

DX

PRODUCT RANGE

INTER
ED.06.1



Product Range ED.06.1

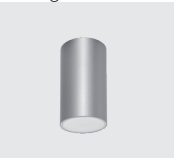
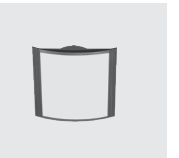
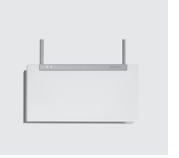
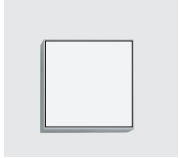
Emergency luminaires	6
High-power emergency lighting	74
Exit Signage Luminaires	86
Beacon lighting	114
Sign Annex	152

Guide for the use of the Product Range

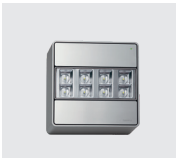
Finishes are product alterations. For instance: colour or voltage.
For ordering a product with a different finish to the standard,
a code must be added to the item reference.

For instance:
NOVA N2 (N). This code appears in the Marking column of the
product tables.

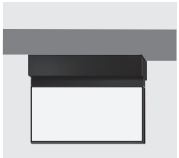
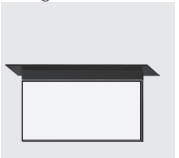
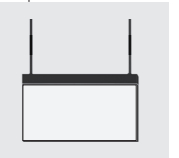
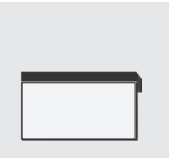
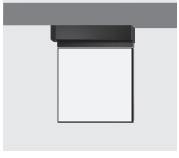
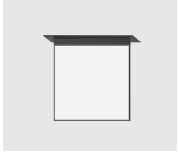
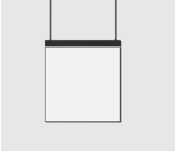
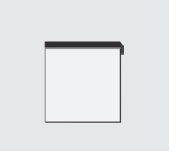
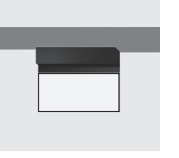
Emergency luminaires

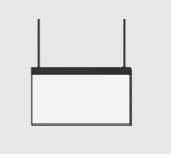
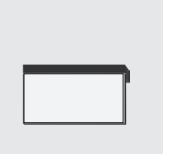
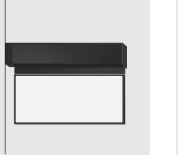
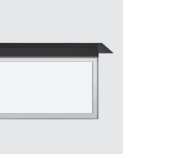
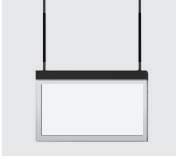
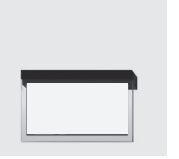
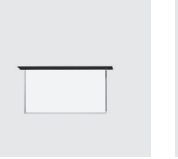
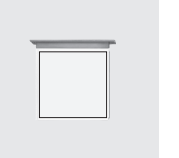
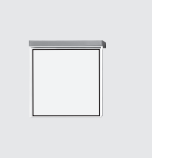
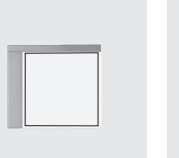
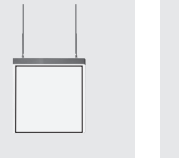
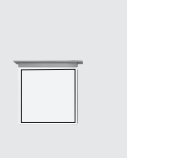
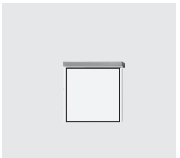
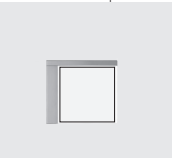
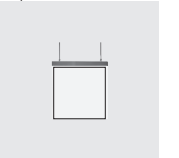
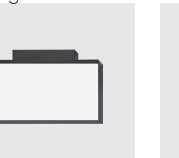
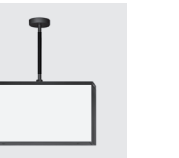
NAOS	6	IZAR	8	IZAR-LS	10	SPICA	12	LINEAR	14	ZINER	16	BLOCK	18
													
LENS Round	20	LENS Square	22	LENS Ceiling-mounted	24	LENS WATERTIGHT Ceiling-mounted	26	LENS Suspended	28	LENS Wall-mounted	30	LENS Watertight	32
													
NOVA	34	HYDRA	36	HYDRA GIGA	38	ARGOS Simple	40	ARGOS Double	42	ARGOS Recessed	44	MYRA	46
													
NORMA	48	IRIS	50	SOL	52	GALIA Surface	54	GALIA Ceiling-mounted	56	GALIA Pennant	58	GALIA Suspended	60
													
ORTO Surface	62	ORTO Pennant	64	CARRIL	66	LUNA	67	WATERTIGHT FITTING	68	EXPLOSION-PROOF	69		
													

High-power emergency lighting

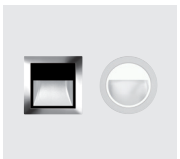
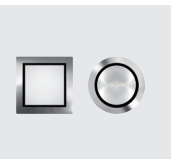
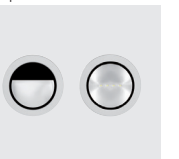
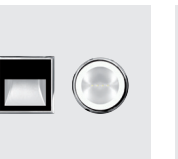
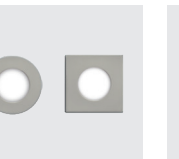
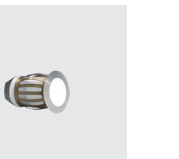
ATRIA	74	ZENIT PL	76	ZENIT	78	ZENIT Watertight	80
							

Exit Signage Luminaires

IKUS-T Ceiling-mounted	86	IKUS-R Track-mounted	86	IKUS-M Ceiling-recessed	86	IKUS-S Suspended	86	IKUS-P Wall-mounted	86	IKUS-B Wall-mounted pennant	86	IKUS2222-T Ceiling-mounted	88
													
IKUS2222-R Track-mounted	88	IKUS2222-M Ceiling-recessed	88	IKUS2222-S Suspended	88	IKUS2222-P Wall-mounted	88	IKUS2222-B Wall-mounted pennant	88	IKUS2211-T Ceiling-mounted	90	IKUS2211-R Track-mounted	90
													

IKUS2211-M Ceiling-recessed	90	IKUS2211-S Suspended	90	IKUS2211-P Wall-mounted	90	IKUS2211-B Wall-mounted pennant	90	IKUSMET2211-T Ceiling-mounted	92	IKUSMET2211-R Track-mounted	92	IKUSMET2211-M Ceiling-recessed	92
													
IKUSMET2211-S Suspended	92	IKUSMET2211-P Wall-mounted	92	IKUSMET2211-B Wall-mounted pennant	92	VIRSC Ceiling-recessed	94	VIRSC Wall-mounted	94	VIR-T Ceiling-mounted	96	VIR-BD/BI Wall-mounted pennant	96
													
VIR-P Wall-mounted	96	VIR-S Suspended	96	VIR2121-T Ceiling-mounted	96	VIR2121-P Wall-mounted	98	VIR2121-BD/BI Pennant	98	VIR2121-S Suspended	98	VIR1616-T Ceiling-mounted	100
													
VIR1616-P Wall-mounted	100	VIR1616-BI/BD Wall-mounted pennant	100	VIR1616-S Suspended	100	LISU Surface	102	LISU-B Pennant	104	LISU-AD Ceiling-mounted	106	LISU-S Suspended	108
													

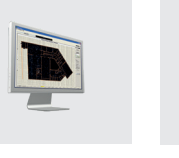
Beacon lighting

ALZIR ALZIR LX	114-116	ALZIR INOX A. INOX LX	117-119	ALZIR Sherpa Replacement	120	LECU LECU	122-124	AQUA	125	LYRA	126	LEDA	127
													
LEDA ES	128	CLAVO MD CLAVO	129	SHERPA PBS Units	130-132	ARAS	134						
													

Power units with batteries

PBL	136	LPS	137	CB	138	DNH	139	DINN	139	DEN	140
											

Control Systems, Ballasts, Kits, Calculation Program, and Sign Annex

Ballasts	141	Kits	142	Remote controls	144	Daisatest System	146	Central TEV	148	Daisa	150	Sign Annex	152
													

Emergency
luminaires



NAOS_{p.6} IZAR_{p.8}
IZAR-LS_{p.10} SPICA_{p.12}
LINEAR_{p.14} ZINER_{p.16}
BLOCK_{p.18} LENS_{p.20}
NOVA_{p.34} HYDRA_{p.36}
ARGOS_{p.40} MYRA_{p.46}
NORMA_{p.48} IRIS_{p.50}
SOL_{p.52} GALIA_{p.54}
ORTO_{p.62} CARRIL_{p.66}
LUNA_{p.67}

WATERTIGHT FITTING_{p.66}
EXPLOSION-PROOF_{p.67}

NAOS

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Naos N2	1h	LiFePO ₄	90	MCR _{LED}
Naos N5	1h	LiFePO ₄	200	MCR _{LED}
Naos N6	1h	LiFePO ₄	270	MCR _{LED}
Naos N8	1h	LiFePO ₄	360	MCR _{LED}
Naos N10	1h	LiFePO ₄	440	MCR _{LED}
Naos 1,5N8	1,5h	LiFePO ₄	390	MCR _{LED}
Naos 2N4	2h	LiFePO ₄	180	MCR _{LED}
Naos 2N8	2h	LiFePO ₄	330	MCR _{LED}
Naos 3N6	3h	LiFePO ₄	250	MCR _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained (†)			Emerg.	Lum.	
Naos P2	1h	LiFePO ₄	90	200	MCR _{LED}
Naos P5	1h	LiFePO ₄	200	200	MCR _{LED}
Naos P6	1h	LiFePO ₄	270	200	MCR _{LED}
Naos P8	1h	LiFePO ₄	360	200	MCR _{LED}
Naos P10	1h	LiFePO ₄	440	200	MCR _{LED}
Naos 1,5P8	1,5h	LiFePO ₄	390	200	MCR _{LED}
Naos 2P4	2h	LiFePO ₄	180	200	MCR _{LED}
Naos 2P8	2h	LiFePO ₄	330	200	MCR _{LED}
Naos 3P6	3h	LiFePO ₄	250	200	MCR _{LED}

Naos A Specifically for Self-test
Naos TCA Specifically for Self-test and DaisaTest System
Naos DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with    depending on the model. TEV test control unit for Naos TCA: See page 148. Example of order: Naos N2 A / Naos N2 TCA / Naos N2 DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Naos N2 	1h	LiFePO ₄	90	MCR _{LED}
Naos N5 	1h	LiFePO ₄	200	MCR _{LED}
Naos N6 	1h	LiFePO ₄	270	MCR _{LED}
Naos N8 	1h	LiFePO ₄	360	MCR _{LED}
Naos N10 	1h	LiFePO ₄	440	MCR _{LED}
Naos 1,5N8 	1,5h	LiFePO ₄	390	MCR _{LED}
Naos 2N4 	2h	LiFePO ₄	180	MCR _{LED}
Naos 2N8 	2h	LiFePO ₄	330	MCR _{LED}
Naos 3N6 	3h	LiFePO ₄	250	MCR _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained: (†)			Emerg.	Lum.	
Naos P2 	1h	LiFePO ₄	90	200	MCR _{LED}
Naos P5 	1h	LiFePO ₄	200	200	MCR _{LED}
Naos P6 	1h	LiFePO ₄	270	200	MCR _{LED}
Naos P8 	1h	LiFePO ₄	360	200	MCR _{LED}
Naos P10 	1h	LiFePO ₄	440	200	MCR _{LED}
Naos 1,5P8 	1,5h	LiFePO ₄	390	200	MCR _{LED}
Naos 2P4 	2h	LiFePO ₄	180	200	MCR _{LED}
Naos 2P8 	2h	LiFePO ₄	330	200	MCR _{LED}
Naos 3P6 	3h	LiFePO ₄	250	200	MCR _{LED}

NAOS - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Naos L3	See finishes	140	MCR _{LED}	No
Naos L8	See finishes	400	MCR _{LED}	No
Naos L3 ELC (2)	See finishes	140	MCR _{LED}	Yes
Naos L8 ELC (2)	See finishes	400	MCR _{LED}	Yes

Operation, shared data and notes:

The emergency luminaires equipped with LiFePO₄ battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

The Maintained models have an Eco-maintained function.

(†) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.

(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

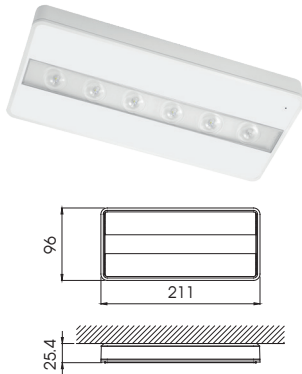
(3) The “escape route” optical group allows a greater interdistance placement of luminaires in places such as corridors, providing adequate lighting along escape routes.

Features plug & play and anchoring system.

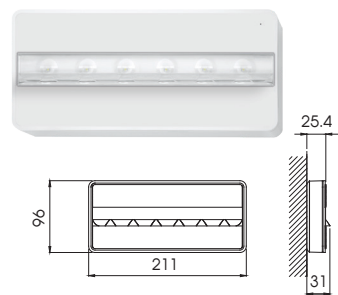
Protection rating: IP43 IK04 (IP66 IK10 with KES Naos).

NAOS SURFACE

NAOS CEILING-MOUNTED

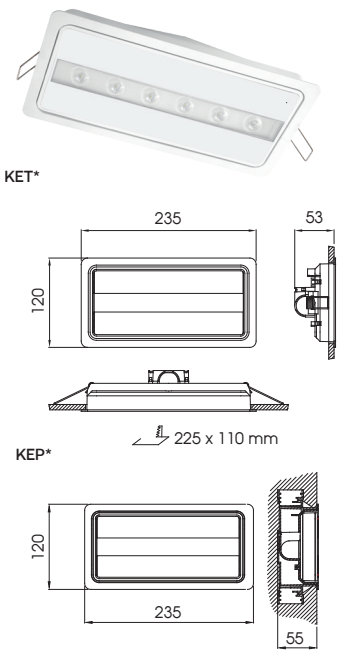


NAOS WALL-MOUNTED



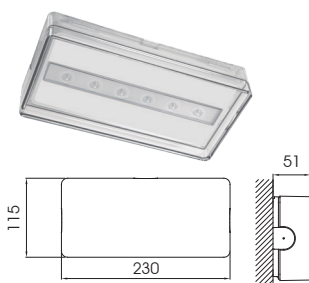
NAOS FLUSH-MOUNTED

NAOS + KETB NAOS or KEPB NAOS



NAOS WATERTIGHT

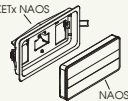
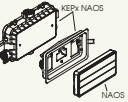
NAOS + KES NAOS



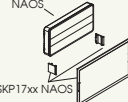
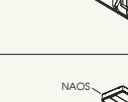
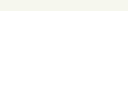
FINISHES

Finish of	Description	Marking
Colour	White (as standard)	---
	Black. The luminous flux is reduced by 20%	(N)
Optical group	Open area (as standard)	---
	Escape route (3)	(EVC)
	Wall IP40. The luminous flux is reduced by 10%.	(PRD)
	Wall IP43. The luminous flux is reduced by 10%.	(PRD43)
LED colour	Cool white (as standard)	---
	Warm white. The luminous flux is reduced by 6%. Only Maintained and Luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	---
	277V 50/60Hz (only non-maintained models)	(277V)
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	---
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

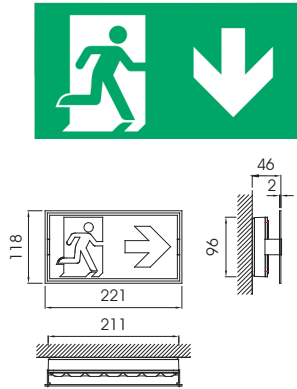
Diagram	Reference	Description	Res. flow
	KETB Naos	Flush-mounting box. White.	---
	KETN Naos	Flush-mounting box. Black.	---
	KEPB Naos	Flush-mounting box. White.	---
	KEPN Naos	Flush-mounting box. Black.	---
	KTSB Naos	Accessory suitable for surface cable input installation of 16 and 20 mm. White.	---
	KTSN Naos	Accessory suitable for surface cable input installation of 16 and 20 mm. Black.	---
	KES Naos	Watertight housing IP66 IK10.	88%

SIGNAGE ACCESSORIES

Diagram	Description	Resulting flux	Reference
	Wall emergency sign installation kit.	50%	SKP17   
	Check signs and their references in the sign annex.		
	Signage plate for ceiling installation (single sided).	80%	SKT17   
	Check signs and their references in the sign annex.		
	Signage plate for ceiling installation (double sided).	65%	SKTW17   
	Check signs and their references in the sign annex.		
	Emergency signs for adhesion on KES Naos watertight housing.	---	SG17   
Check signs and their references in the sign annex.			

SKP

NAOS + SKP1712



SKT

NAOS + SKT1712



SKTW

NAOS + SKTW1712



Model	Installation height (m)	Duration	Battery	Lumens	Light source	Spotlight
Non-maintained:						
Izar N30	2,2 to 5	1h	NiCd	250	MHBLed	Short
Izar N8	3,0 to 7	1h	LiFePO ⁴	400	MHBLed	Long
Izar 1,5N6	2,2 to 4	1,5h	LiFePO ⁴	250	MHBLed	Long
Izar 1,5N8	3,0 to 7	1,5h	LiFePO ⁴	400	MHBLed	Long
Izar 2N30	2,2 to 5	2h	NiCd	250	MHBLed	Short
Izar 3N30	2,2 to 5	3h	NiCd	190	MHBLed	Short

Model	Installation height (m)	Duration	Battery	Lumens		Light source	Spotlight
Maintained:				Emerg.	Lum.		
Izar P30 (1)	2,2 to 5	1h	NiCd	250	120	MHBLed	Short
Izar 1,5P8	3 to 7	1,5h	LiFePO ⁴	400	120	MHBLed	Long

Izar A
Izar TCA
Izar DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A, DaisaTestcentralised management system ☐ TCA or connection with DALI central ☐ DALI. Fill out the reference with ☐ A, ☐ TCA or ☐ DALI depending on the model.

Model	Installation height (m)	Duration	Battery	Lumens	Light source	Spotlight
Non-maintained: (2)						
Izar N30 ☐	2,2 to 5	1h	LiFePO ⁴	250	MHBLed	Short
Izar N8 ☐	3,0 to 7	1h	LiFePO ⁴	400	MHBLed	Long
Izar 1,5N6 ☐	2,2 to 4	1,5h	LiFePO ⁴	250	MHBLed	Long
Izar 1,5N8 ☐	3,0 to 7	1,5h	LiFePO ⁴	350	MHBLed	Long
Izar 2N30 ☐	2,2 to 5	2h	LiFePO ⁴	250	MHBLed	Long
Izar 3N30 ☐	2,2 to 5	3h	LiFePO ⁴	250	MHBLed	Long

Model	Installation height (m)	Duration	Battery	Lumens		Light source	Spotlight
Maintained:(2)				Emerg.	Lum.		
Izar P30 ☐	2,2 to 5	1h	LiFePO ⁴	250	120	MHBLED	Short
Izar 1,5P6 ☐	2,2 to 4	1,5h	LiFePO ⁴	250	120	MHBLED	Long
Izar 1,5P8 ☐	2,2 to 5	1,5h	LiFePO ⁴	400	120	MHBLED	Long
Izar 2P30 ☐	2,2 to 5	2h	LiFePO ⁴	250	120	MHBLED	Short
Izar 3P30 ☐	2,2 to 5	3h	LiFePO ⁴	250	120	MHBLED	Short

Izar - Luminaire	Does not include battery. Luminaire specific function
------------------	---

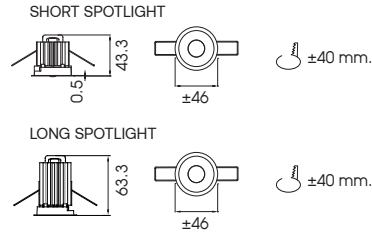
Model	Installation height (m)	Duration	Lumens	Light source	Communication	Spotlight
Izar L30	2,2 to 5	See finishes	250	MHBLed	No	Short
Izar L8	3,0 to 7	See finishes	400	MHBLed	No	Long
Izar L30 ELC (3)	2,2 to 5	See finishes	250	MHBLed	Yes	Short
Izar L8 ELC (3)	2,2 to 5	See finishes	400	MHBLed	Yes	Short

- Operation, shared data and notes:**
The emergency luminaires equipped with LiFePO⁴ battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
- The IZAR P30 maintained model has two power inputs, LUM and EMERG, which enables the luminaire to be turned off when mains power is available. Not provided with a remote control input.
 - The A and TCA Maintained models have an Eco-maintained function. These Maintained models do not have an independent LUM input and are always on. Can be configured to Non-Maintained by the user.
 - The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.
 - The "escape route" optical group allows a greater interdistance placement of luminaires in places such as corridors, providing adequate lighting along escape routes.
 - 1 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 1 lx lighting requirements.
 - 10.8 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 10.8 lx lighting requirements.
- Protection rating: IP20 IK04 (rest of the luminaire).

IZAR
SHORT SPOTLIGHT

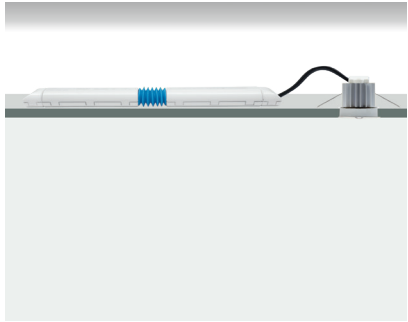
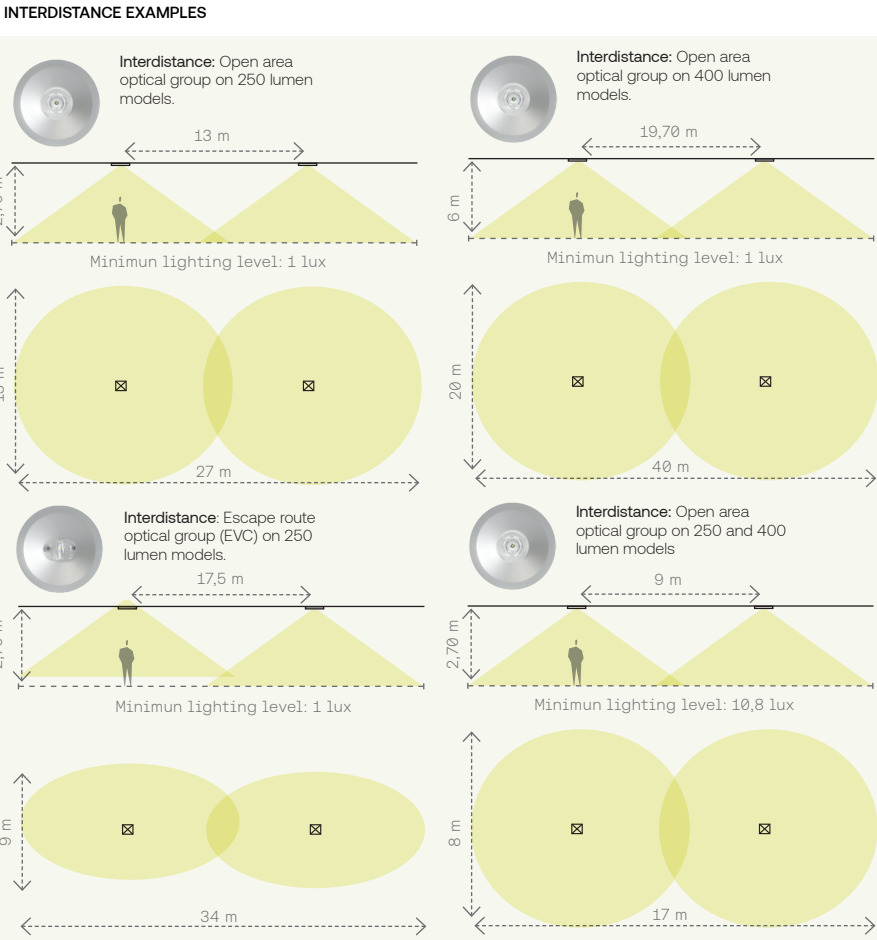


IZAR
LONG SPOTLIGHT

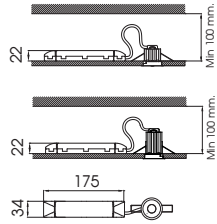


FINISHES		
Finish of	Description	Marking
Optical group	Open area (as standard) (4)	-----
	Escape route (4)(5)	(EVC)
	With diffuser. The luminous flux is reduced by 10% Only in white colour (5)	(DIF)
	10,8lx. Only 1,5h models. (6)	(10LX)
Colour	White (as standard)	-----
	Silver grey	(RAL9006)
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20%. Only maintained and luminaire models.	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	277V 50/60Hz (solo modelos no permanentes)	(277V)
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V c.a. 50/60Hz 170-320V c.c.	-----
	24V c.a. 50/60Hz 18-30V c.c. Modelos ELC sólo 18-30V c.c.	(24V)

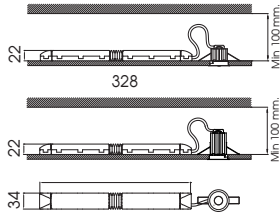
ACCESORIES		
Reference	Description	Diagram
KML-8B IZAR	Cylindrical mounting accessory for slatted ceilings.	
KML-8N IZAR		
KML-8GP IZAR		



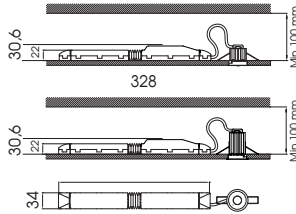
LUMINAIRE (EXCEPT ELC)



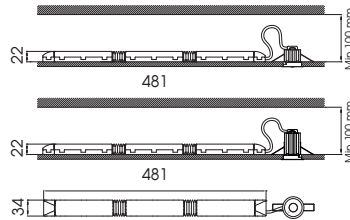
1 H DURATION (EXCEPT N8 MODELS) AND ELC LUMINAIRE



1,5 H, 2 H AND 3 H DURATION WITH LiFePO₄ BATTERY AND N8 MODELS



2 H AND 3 H DURATION WITH NiCd BATTERIES



IZAR-LS for slatted ceilings

Model	Installation height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Izar-LS N30	2,2 to 5	1h	NiCd	250	MHBLED
Izar-LS N8	3,0 to 7	1h	LiFePO ⁴	400	MHBLED
Izar-LS 1,5N6	2,2 to 4	1,5h	LiFePO ⁴	250	MHBLED
Izar-LS 1,5N8	3,0 to 7	1,5h	LiFePO ⁴	400	MHBLED
Izar-LS 2N30	2,2 to 5	2h	NiCd	250	MHBLED
Izar-LS 3N30	2,2 to 5	3h	NiCd	190	MHBLED

Model	Installation height (m)	Duration	Battery	Lumens		Light source
Maintained:				Emerg.	Lum.	
Izar-LS P30 (1)	2,2 to 5	1h	NiCd	250	120	MHBLED
Izar-LS 1,5P8	3 to 7	1,5h	LiFePO ^d	400	120	MHBLED

Izar-LS A
Izar-LS TCA
Izar-LS DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation  DaisaTestcentralised management system  or connection with DALI central  Fill out the reference with   or  depending on the model.

Model	Installation height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Izar-LS N30 	2,2 to 5	1h	LiFePO ⁴	250	MHBLED
Izar-LS N8 	3,0 to 7	1h	LiFePO ⁴	400	MHBLED
Izar-LS 1,5N6 	2,2 to 4	1,5h	LiFePO ⁴	250	MHBLED
Izar-LS 1,5N8 	3,0 to 7	1,5h	LiFePO ⁴	350	MHBLED
Izar-LS 2N30 	2,2 to 5	2h	LiFePO ⁴	250	MHBLED
Izar-LS 3N30 	2,2 to 5	3h	LiFePO ⁴	250	MHBLED

Model	Installation height (m)	Duration	Battery	Lumens		Light source
Maintained:(2)				Emerg.	Lum.	
Izar-LS P30 	2,2 to 5	1h	LiFePO ⁴	250	120	MHBLED
Izar-LS 1,5P6 	2,2 to 4	1,5h	LiFePO ⁴	250	120	MHBLED
Izar-LS 1,5P8 	2,2 to 5	1,5h	LiFePO ⁴	400	120	MHBLED
Izar-LS 2P30 	2,2 to 5	2h	LiFePO ⁴	250	120	MHBLED
Izar-LS 3P30 	2,2 to 5	3h	LiFePO ⁴	250	120	MHBLED

Izar-LS - Luminaire

Does not include battery. Luminaire specific function

Model	Installation height (m))	Power supply	Lumens	Light source	Communication
Izar-LS L30	2,2 to 5	See finishes	250	MHBLED	No
Izar-LS L8	3,0 to 7	See finishes	400	MHBLED	No
Izar-LS L30 ELC (3)	2,2 to 5	See finishes	250	MHBLED	Yes
Izar-LS L8 ELC (3)	2,2 to 5	See finishes	400	MHBLED	Yes

Operation, shared data and notes:

The emergency luminaires equipped with LiFePO⁴ battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- The Izar-LS P30 maintained model has two power inputs, LUM and EMERG, which enables the luminaire to be turned off when mains power is available. Not provided with a remote control input.
 - The A and TCA Maintained models have an Eco-maintained function. These Maintained models do not have an independent LUM input and are always on. Can be configured to Non-Maintained by the user.
 - The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.
 - 1 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 1 lx lighting requirements.
 - 10.8 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 10.8 lx lighting requirements.
- Protection rating: IP20 IK04

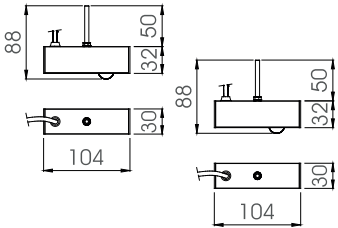
IZAR-LS (LSN)



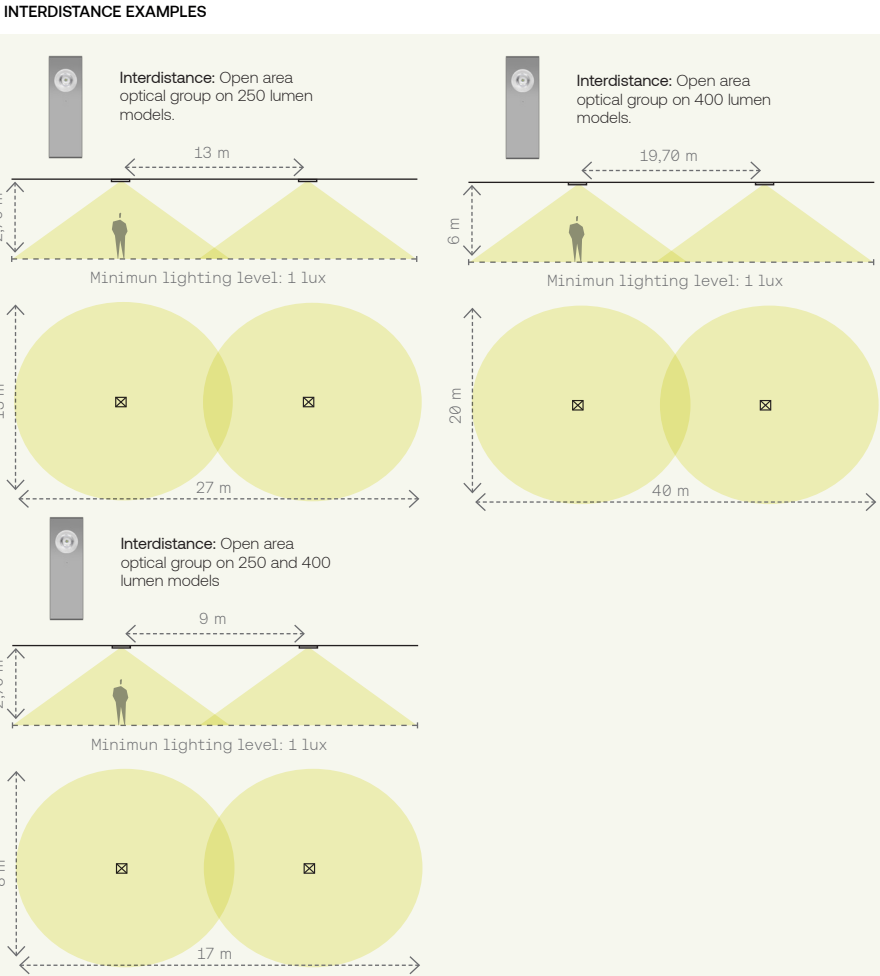
IZAR-LS (LSB)



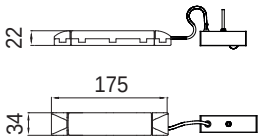
IZAR-LS (LSG)



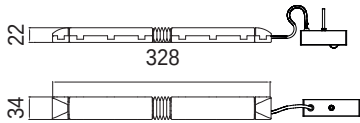
FINISHES		
Finish of	Description	Marking
Optic group	Open area (as standard) (4)	-----
	10,8lx. Only, 1,5h models. (5)	(10LX)
Cable length	20cm	-----
	100cm	100
Colour	Black (as standard)	(LSN)
	White	(LSB)
	Silver grey	(LSG)
	Cool white (as standard)	-----
LED Colour	Warm white.The luminous flux is reduced by 20%. Only maintained and luminaire models.	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	277V 50/60Hz (solo modelos no permanentes)	(277V)
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V c.a. 50/60Hz 170-320V c.c.	-----
	24V c.a. 50/60Hz 18-30V c.c. Modelos ELC sólo 18-30V c.c.	(24V)



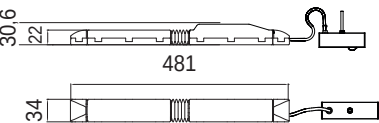
LUMINAIRE (EXCEPT ELC)



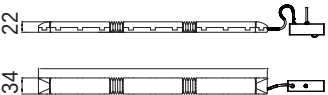
1 H DURATION (EXCEPT N8 MODELS) AND ELC LUMINAIRE



1,5 H, 2 H AND 3 H DURATION WITH LiFePO⁴ BATTERY AND N8 MODELS



2 H AND 3 H DURATION WITH NiCd BATTERIES



Model	Installation height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Spica N30	2,2 to 5	1h	NiCd	220	MHBLED
Spica N8	2,7 to 5	1h	LiFePO ₄	400	MHBLED
Spica 1,5 N8 (4)	2,7 to 5	1,5h	LiFePO ₄	400	MHBLED
Spica 1,5 N6 (4)	2,2 to 3	1,5h	NiCd	220	MHBLED
Spica 2N30	2,2 to 5	2h	NiCd	220	MHBLED
Spica 3N30	2,2 to 5	3h	LiFePO ₄	190	MHBLED

Modelo	Installation height (m)	Duration	Bateria	Lumens	Light source
Maintained:				Emerg.	Lum.
Spica P30 (1)	2,2 to 5	1h	NiCd	220	110
					MHBLED

Spica A	Specifically for Self-test
Spica TCA	Specifically for Self-test and DaisaTest System
Spica DALI	Specifically for DALI System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with   ó  depending on the model. TEV test control unit for Ziner TCA: See page 144.
Example of order: Spica N30 A / Spica N30 TCA / Spica N30 DALI

Model	Installation height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Spica N30 	2,2 to 5	1h	LiFePO ₄	220	MHBLED
Spica N8 	2,7 to 5	1h	LiFePO ₄	400	MHBLED
Spica 1,5 N8 (4) 	2,7 to 5	1,5h	LiFePO ₄	400	MHBLED
Spica 1,5 N6 (4) 	2,2 to 3	1,5h	LiFePO ₄	220	MHBLED
Spica 2N30 	2,2 to 5	2h	LiFePO ₄	220	MHBLED
Spica 3N30 	2,2 to 5	3h	LiFePO ₄	190	MHBLED

Model	Installation height (m)	Duration	Battery	Lumens		Light source
Maintained:(1)				Emerg.	Lum.	
Spica P30 	2,2 to 5	1h	LiFePO ₄	220	110	MHBLED
Spica P8 	2,7 to 5	1h	LiFePO ₄	400	110	MHBLED
Spica 1,5 P8 (4) 	2,7 to 5	1,5h	LiFePO ₄	400	110	MHBLED
Spica 1,5 P6 (4) 	2,2 to 3	1,5h	LiFePO ₄	220	110	MHBLED
Spica 2P30 	2,2 to 5	2h	LiFePO ₄	220	110	MHBLED
Spica 3P30 	2,2 to 5	3h	LiFePO ₄	190	110	MHBLED

Spica - Luminaire	Does not include battery. Luminaire specific function
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Model	Installation height (m)	Power supply	Lumens	Light source	Communication
Spica L30	2,2 to 5	See finishes	220	MHBLED	No
Spica L30 ELC (3)	2,2 to 5	See finishes	220	MHBLED	Yes
Spica L8	2,2 to 5	See finishes	400	MHBLED	No
Spica L8 ELC (3)	2,2 to 5	See finishes	400	MHBLED	Yes

Operation, shared data and notes:
The emergency luminaires equipped with LiFePO4 battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- (1) The SPICA P30 maintained model has two power inputs, LUM and EMERG, which enables the luminaire to be turned off when mains power is available. Not provided with a remote control input.
- (2) The A and TCA Maintained models have an Eco-maintained function. These Maintained models do not have an independent LUM input and are always on.
- (3) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.
- (4) 1 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 1 lx lighting requirements.
- (5) 10,8 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 10,8 lx lighting requirements.

Protection rating:
IP43 IK04 (visible part of the luminaire when installed flush with the ceiling).
IP20 IK04 (rest of the luminaire).

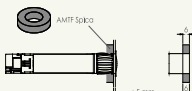
SPICA



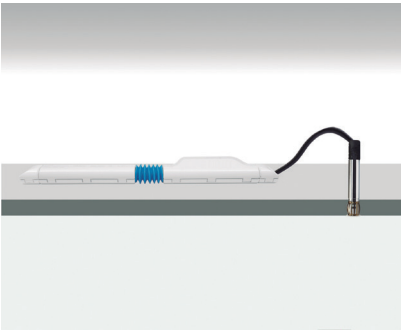
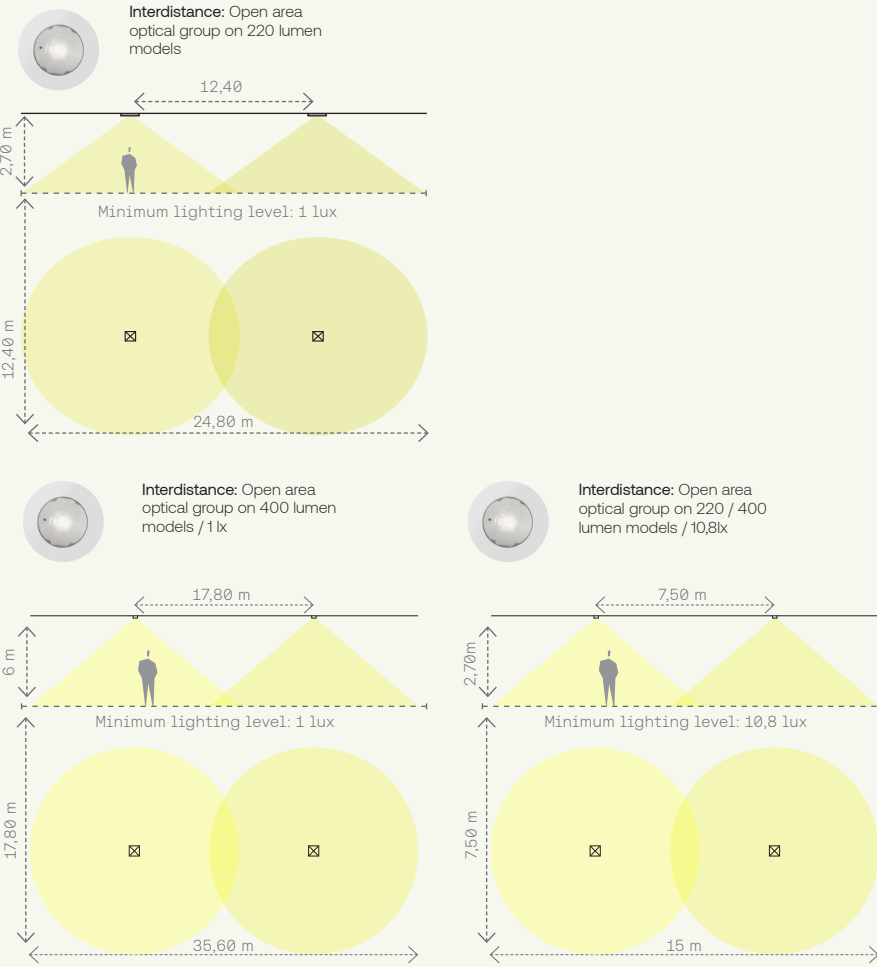
FINISHES

Finish of	Description	Marking
Optic group	Open area (as standard) (4)	-----
	10,8lx. Only, 1,5h models. (5)	(10LX)
Colour	White (as standard)	-----
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models.	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	277V 50/60Hz (Only non-maintained models)	(277V)
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V AC 50/60Hz 170-320V DC	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

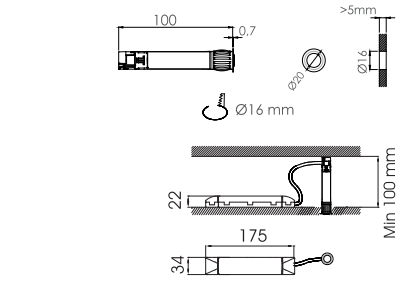
ACCESSORIES

Diagram	Reference	Description
	AMTF Spica	Washer for mounting on thin ceilings

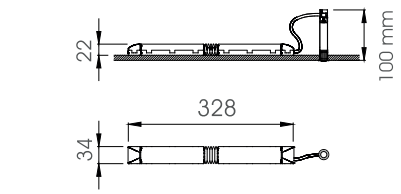
INTERDISTANCE EXAMPLES



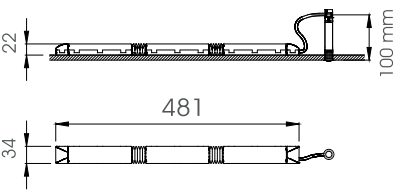
LUMINAIRE (EXCEPT ELC)



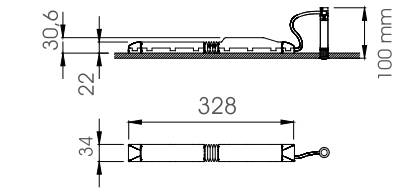
1 HOUR DURATION AND ELC LUMINAIRE



2 AND 3 HOURS DURATION WITH NiCd BATTERY



2 AND 3 HOURS DURATION WITH LiFePO4 BATTERY



LINEAR

Linear A Specifically for Self-test
Linear DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation  or connection with DALI central 
Fill out the reference with  or  depending on the model. Example of order: LINEAR N30 A / LINEAR N30 DALI.

Model	Installation height (m)	Duration	Battery	Lumens	Light source
Non-maintained: (1)					
Linear N30 	2,2 to 5	1h	LiFePO4	220	MHB _{LED}
Linear N8 	4,0 to 7,0	1h	LiFePO4	400	MHB _{LED}
Linear 1,5N8 	3,0 to 5,0	1,5h	LiFePO4	400	MHB _{LED}
Linear 1,5N6 	2,2 to 3,0	1,5h	LiFePO4	220	MHB _{LED}
Linear 2N30 	2,5 to 5,0	2h	LiFePO4	220	MHB _{LED}
Linear 3N30 	2,5 to 5,0	3h	LiFePO4	220	MHB _{LED}

Model	Installation height (m)	Duration	Battery	Lumens	Light source	
Maintained:				Emerg.	Lum.	
Linear P30 	2,2 to 5,0	1h	LiFePO4	220	110	MHB _{LED}
Linear P8 	4,0 to 7,0	1h	LiFePO4	400	110	MHB _{LED}
Linear 1,5P8 	3,0 to 5,0	1,5h	LiFePO4	400	110	MHB _{LED}
Linear 1,5P6 	2,2 to 3,0	1,5h	LiFePO4	220	110	MHB _{LED}
Linear 2P30 	2,2 to 5,0	2h	LiFePO4	220	110	MHB _{LED}
Linear 3P30 	2,2 to 5,0	3h	LiFePO4	220	110	MHB _{LED}

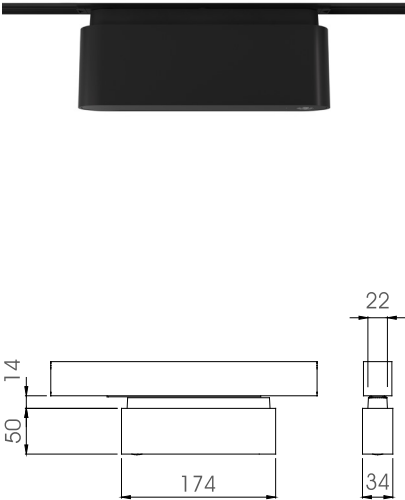
Operation, shared data and notes:
The emergency luminaires equipped with LiFePO4 battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- (1) INEAR models:
- Maintained models do not have an independent input for LUM, remaining always on. DALI models can be turned off via a DALI command.
 - Not available in TCA references, if required, please contact Daisalux.
 - A references do not have a remote control input.
 - Suitable only for three-phase tracks. Adapter included. Check track compatibility with Daisalux.

- (2) 1 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 1 lx lighting requirements.
- (3) 10,8 lx: lenses optimised for luminous fluxes of 250 and 400 lm, and 10,8 lx lighting requirements.
- (4) For other color combinations, please consult

Protection rating: IP20 IK04.

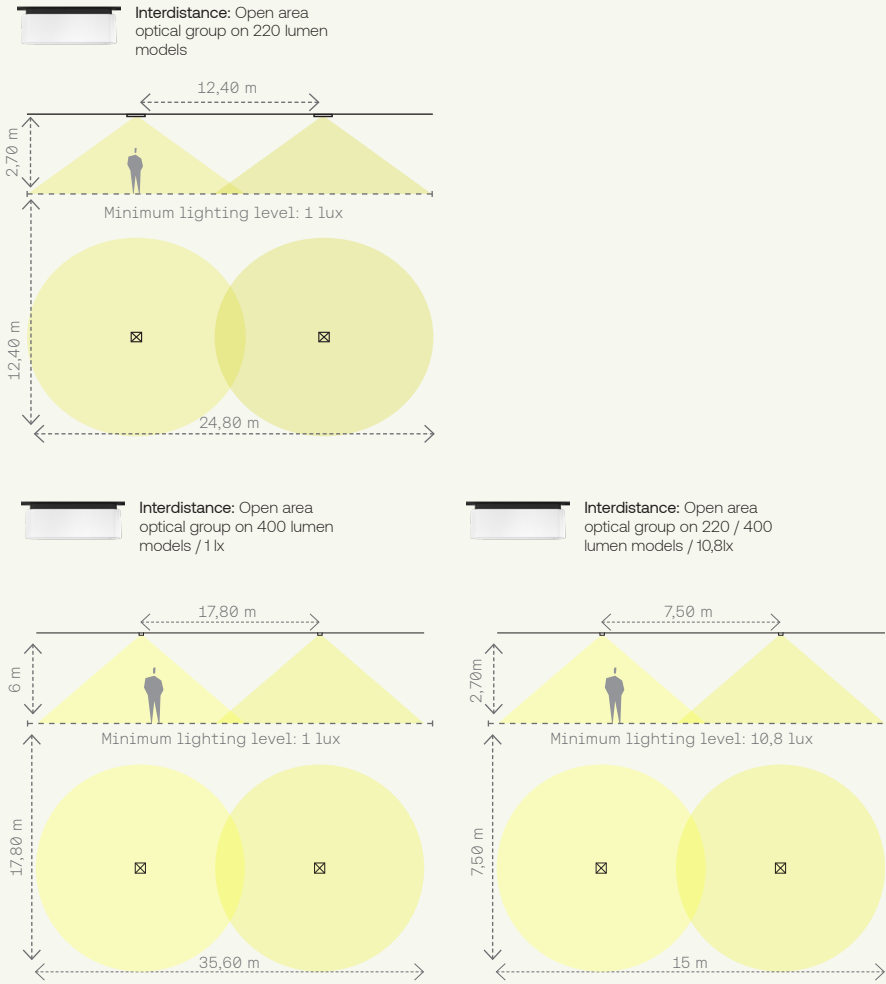
LINEAR



FINISHES

Finish of	Description	Marking
Optic group	Open area (as standard) (2)	-----
	10,8lx. Only, 1,5h models. (3)	(10LX)
Colour (4)	White (as standard)	(B)
	Black The luminous flux is reduced by 10%.	(N)
	Black-White-Black The luminous flux is reduced by 10%.	(NBN)
	Black-White-White	(NBB)
LED Colour	Cool white (as standard)	-----
	Warm white The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
	277V 50/60Hz (Only maintained models)	(277V)

INTERDISTANCE EXAMPLES



WHITE LINEAR (N)



BLACK LINEAR (B)



BLACK-WHITE-BLACK LINEAR (NBN)



BLACK-WHITE-WHITE LINEAR (NBB)



Model	Installation height (m)	Duration	Battery	Lumens	Light source	Format
Non-maintained:						
Ziner N20	2,2 to 2,5	1h	NiCd	170	MHBLED	Short
Ziner N30	2,5 to 5,0	1h	NiCd	200	MHBLED	Short
Ziner N8	3,0 to 7,0	1h	LiFePO4	400	MHBLED	Long
Ziner 2N30	2,5 to 5,0	2h	NiCd	200	MHBLED	Long
Ziner 3N30	2,5 to 5,0	3h	NiCd	160	MHBLED	Long

Ziner A	Specifically for Self-test Specifically for Self-test and DaisaTest System Specifically for DALI System
Ziner TCA	
Ziner DALI	

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with    depending on the model. TEV test control unit for Ziner TCA: See page 144 Example of order: Ziner N20 A / Ziner N20 TCA / Ziner N20 DALI

Model	Installation height (m)	Duration	Battery	Lumens	Light source	Format
Non-maintained:						
Ziner N20 	2,2 to 2,5	1h	LiFePO4	200	MHBLED	Short
Ziner N30 	2,5 to 5,0	1h	LiFePO4	250	MHBLED	Short
Ziner N8 	3,0 to 7,0	1h	LiFePO4	400	MHBLED	Long
Ziner 1,5N8 	3,0 to 7,0	1,5h	LiFePO4	350	MHBLED	Long
Ziner 2N30 	2,5 to 5,0	2h	LiFePO4	250	MHBLED	Long
Ziner 3N30 	2,5 to 5,0	3h	LiFePO4	250	MHBLED	Long

Model	Installation height (m)	Duration	Battery	Lumens	Light source	Format
Maintained (f)				Emerg.	Lum.	
Ziner P20 	2,2 to 2,5	1h	LiFePO4	200	100	MHBLED
Ziner P30 	2,5 to 5,0	1h	LiFePO4	250	100	MHBLED
Ziner 1,5P8 	2,2 to 2,5	1,5h	LiFePO4	350	100	MHBLED
Ziner 2P30 	2,5 to 5,0	2h	LiFePO4	250	100	MHBLED
Ziner 3P30 	2,5 to 5,0	3h	LiFePO4	250	100	MHBLED

Ziner - Luminaire	Does not include battery. Luminaire specific function
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Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Ziner L20	2,2 to 2,5	See finishes	200	MHBLED	No	Short
Ziner L30	2,5 to 5,0	See finishes	250	MHBLED	No	Short
Ziner L8	3,0 to 7,0	See finishes	400	MHBLED	No	Long
Ziner L20 ELC (2)	2,2 to 2,5	See finishes	200	MHBLED	Yes	Short
Ziner L30 ELC (2)	2,5 to 5,0	See finishes	250	MHBLED	Yes	Short
Ziner L8 ELC (2)	3,0 to 7,0	See finishes	400	MHBLED	Yes	Long

Operation, shared data and notes:

The emergency luminaires equipped with LiFePO4 battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

The A and TCA Maintained models have an Eco-maintained function

(f) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.

(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

(3) The "escape route" optical group allows a greater interdistance placement of luminaires in places such as corridors, providing adequate lighting along escape routes.

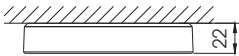
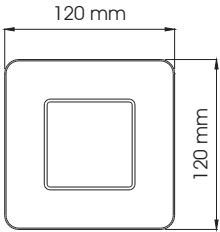
(4) The finishes in Black (N) and Aluminium (AL) reduce the luminous flux by 20% and 10% respectively.

(5) The exposed tube accessory is only required for short-format models.

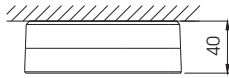
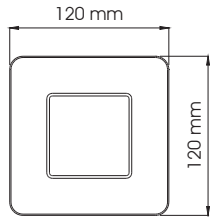
Features plug & play and anchoring system.

Protection rating: IP43 IK04.

ZINER
SHORT FORMAT



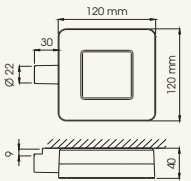
LONG FORMAT



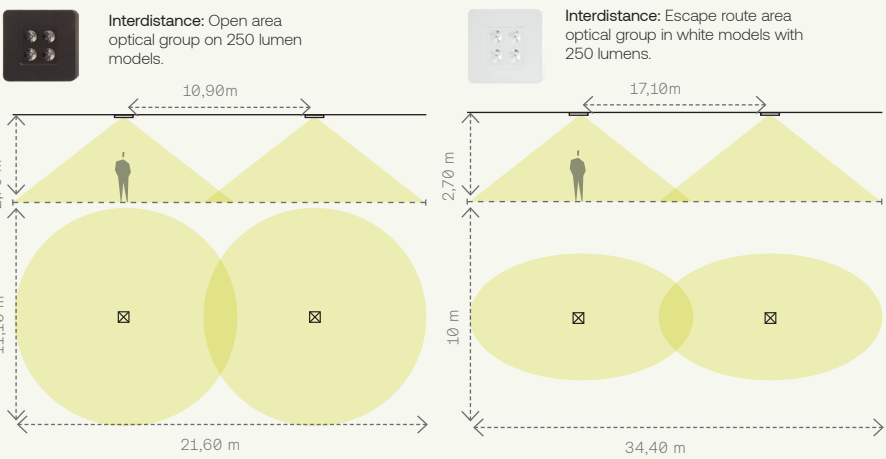
FINISHES

Finish of	Description	Marking
Optical group	Open area (as standard)	-----
	Escape route (3)	(EVC)
Colour (4)	White	(B)
	Black	(N)
	Silver grey	(RAL9006)
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)
	The luminous flux is reduced by 20% Only maintained and luminaire models	
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

Reference	Description	Diagram
KTSB ZINER (5)	Mounting kit with white surface conduit	
KTSN ZINER (5)	Mounting kit with black surface conduit	
KTSGP ZINER (5)	Mounting kit with silver grey surface conduit	

INTERDISTANCE EXAMPLES



BLOCK

Model	Installation height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Block N30	2,2 to 4	1 h	NiCd	180	MHBLED

Block A
Block TCA
Block DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A DaisaTest centralised management system ☐ TCA or connection with DALI central ☐ DALI. Fill out the reference with ☐ A ☐ TCA ó ☐ DALI depending on the model. TEV test control unit for Block TCA: See page 148 Example of order: Block P30 A / Block P30 TCA / Block P30 DALI

Model	Installation height (m)	Duration	Battery	Lumens		Light source
Maintained (1)				Emerg.	Lum.	
Block P30 ☐	2,2 to 4	1 h	NiMH	200	120	MHBLED
Block 2P30 ☐	2,2 to 4	2 h	NiMH	200	120	MHBLED
Block 3P30 ☐	2,2 to 4	3 h	NiMH	170	120	MHBLED

Block - Luminaire

Does not include battery. Luminaire specific function

Model	Installation height (m)	Power supply	Lumens	Light source	Communication
Block L30	2,2 to 4	See finishes	200	MHBLED	No
Block L30 ELC (2)	2,2 to 4	See finishes	200	MHBLED	Yes

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

The A and TCA Maintained models have an Eco-maintained function

(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.

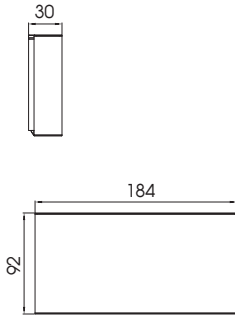
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.

Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP43 IK04.

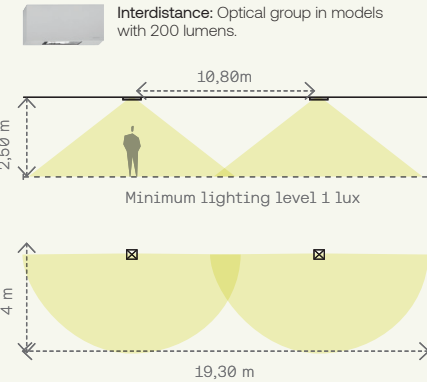
BLOCK



FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Silver grey	(RAL9006)
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 25% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

INTERDISTANCE EXAMPLES



LENS ROUND

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20	2 to 2,5	1h	120	MHBLED	Short
Lens N30	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (t)			Emerg. Lum.		
Lens P20	2 to 2,5	1h	120	66 MHBLED	Short
Lens P30	2,5 to 4,0	1h	200	110 MHBLED	Short
Lens P40	4,0 to 7,0	1h	200	110 MHBLED	Short
Lens P70	7,0 to 15,0	1h	200	110 MHBLED	Short
Lens 1,5P8	2,5 to 4,0	1,5h	350	120 MHBLED	Long
Lens 2P20	2 to 2,5	2h	120	66 MHBLED	Long
Lens 2P30	2,5 to 4,0	2h	200	110 MHBLED	Long
Lens 2P40	4,0 to 7,0	2h	200	110 MHBLED	Long
Lens 2P70	7,0 to 15,0	2h	200	110 MHBLED	Long
Lens 3P20	2 to 2,5	3h	120	66 MHBLED	Long
Lens 3P30	2,5 to 4,0	3h	180	110 MHBLED	Long
Lens 3P40	4,0 to 7,0	3h	180	110 MHBLED	Long
Lens 3P70	7,0 to 15,0	3h	180	110 MHBLED	Long

Lens Round A
Lens Round TCA
Lens Round DALI

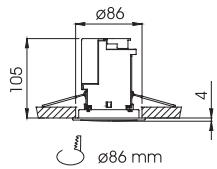
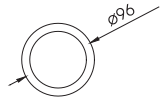
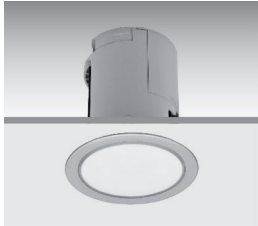
Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation [\[A\]](#), DaisaTest centralised management system [\[TCA\]](#) or connection with DALI central [\[DALI\]](#) Fill out the reference with [\[A\]](#) [\[TCA\]](#) or [\[DALI\]](#) depending on the model. TEV test control unit for Lens (CD) TCA: See page 148 Example of order: Lens N20 A / Lens N20 TCA / Lens N20 DALI

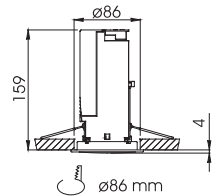
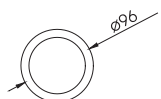
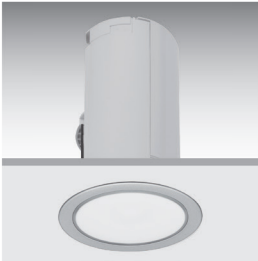
Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 [A]	2 to 2,5	1h	120	MHBLED	Short
Lens N30 [A]	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 [A]	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 [A]	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 [A]	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 [A]	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 [A]	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 [A]	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 [A]	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 [A]	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 [A]	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 [A]	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 [A]	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 [A]	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (t)			Emerg. Lum.		
Lens P20 [A]	2 to 2,5	1h	120	66 MHBLED	Short
Lens P30 [A]	2,5 to 4,0	1h	200	110 MHBLED	Short
Lens P40 [A]	4,0 to 7,0	1h	200	110 MHBLED	Short
Lens P70 [A]	7,0 to 15,0	1h	200	110 MHBLED	Short
Lens 1,5P8 [A]	2,5 to 4,0	1,5h	350	120 MHBLED	Long
Lens 2P20 [A]	2 to 2,5	2h	120	66 MHBLED	Long
Lens 2P30 [A]	2,5 to 4,0	2h	200	110 MHBLED	Long
Lens 2P40 [A]	4,0 to 7,0	2h	200	110 MHBLED	Long
Lens 2P70 [A]	7,0 to 15,0	2h	200	110 MHBLED	Long
Lens 3P20 [A]	2 to 2,5	3h	120	66 MHBLED	Long
Lens 3P30 [A]	2,5 to 4,0	3h	180	110 MHBLED	Long
Lens 3P40 [A]	4,0 to 7,0	3h	180	110 MHBLED	Long
Lens 3P70 [A]	7,0 to 15,0	3h	180	110 MHBLED	Long

LENS SYNTHETIC TRIM (STANDARD)
LENS SHORT FORMAT



LENS LONG FORMAT



Lens Round - Luminaire

Does not include battery. Luminaire specific function

Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Lens L20	2 to 2,5	See finishes	120	MHBLED	No	Short
Lens L30	2,5 to 4,0	See finishes	200	MHBLED	No	Short
Lens L8	3,0 to 8,0	See finishes	400	MHBLED	No	Long
Lens L40	4,0 to 7,0	See finishes	200	MHBLED	No	Short
Lens L70	7,0 to 15,0	See finishes	200	MHBLED	No	Short
Lens L20 ELC (2)	2 to 2,5	See finishes	120	MHBLED	Yes	Short
Lens L30 ELC (2)	2,5 to 4,0	See finishes	200	MHBLED	Yes	Short
Lens L8 ELC (2)	3,0 to 8,0	See finishes	400	MHBLED	Yes	Long
Lens L40 ELC (2)	4,0 to 7,0	See finishes	200	MHBLED	Yes	Short
Lens L70 ELC (2)	7,0 to 15,0	See finishes	200	MHBLED	Yes	Short

FINISHES

Finish of	Description	Marking
Installation	Synthetic flush-mounted, 10 mm wing	-----
	Metallic flush-mounted, 3 mm wing	(MET)
	Flush-mounted without trim	(SEN)
	Semi-recessed	(SM)
Trim colour	White (as standard)	-----
	Synthetic flush-mounted	Silver grey (RAL9006)
	Metallic flush-mounted	Black (N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

Diagram	Description	Reference
	Gear-type mounting kit for fragile ceilings. Only for metallic trim (MET)	KTF Lens
	Tools for mounting support ring. Only for flush-mounting trimless (SEN)	HMT Lens
	Manual accessory for support ring assembly. Only for flush-mounting without trim (SEN)	MNT Lens

Operation, shared data and notes:

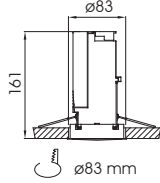
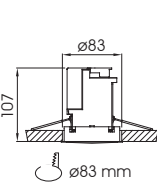
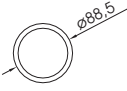
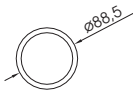
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
The A and TCA Maintained models have an Eco-maintained function
(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.
Features plug & play and anchoring system.
Protection rating: IP43 IK04 (visible part of the luminaire when flush-mounted on the ceiling).
IP20 IK04 (rest of the luminaire).

LENS METALLIC TRIM
LENS (MET)



SHORT FORMAT

LONG FORMAT

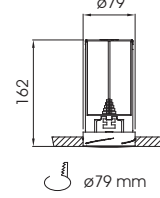
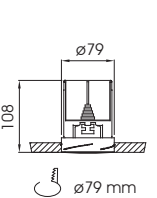
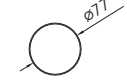
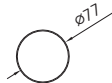


LENS WITH NO TRIM
LENS (SEN)



SHORT FORMAT

LONG FORMAT

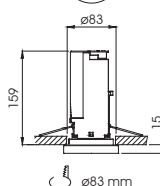
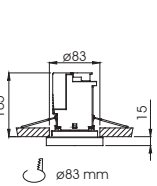
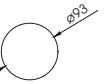


LENS SEMI-RECESSED
LENS (SM)



SHORT FORMAT

LONG FORMAT



LENS SQUARE

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 (CD)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 (CD)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 (CD)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 (CD)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 (CD)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 (CD)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 (CD)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 (CD)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 (CD)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 (CD)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 (CD)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 (CD)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 (CD)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 (CD)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (f)			Emerg.	Lum.	
Lens P20 (CD)	2 to 2,5	1h	120	66	MHBLED Short
Lens P30 (CD)	2,5 to 4,0	1h	200	110	MHBLED Short
Lens P40 (CD)	4,0 to 7,0	1h	200	110	MHBLED Short
Lens P70 (CD)	7,0 to 15,0	1h	200	110	MHBLED Short
Lens 1,5P8 (CD)	2,5 to 4,0	1,5h	350	120	MHBLED Long
Lens 2P20 (CD)	2 to 2,5	2h	120	66	MHBLED Long
Lens 2P30 (CD)	2,5 to 4,0	2h	200	110	MHBLED Long
Lens 2P40 (CD)	4,0 to 7,0	2h	200	110	MHBLED Long
Lens 2P70 (CD)	7,0 to 15,0	2h	200	110	MHBLED Long
Lens 3P20 (CD)	2 to 2,5	3h	120	66	MHBLED Long
Lens 3P30 (CD)	2,5 to 4,0	3h	180	110	MHBLED Long
Lens 3P40 (CD)	4,0 to 7,0	3h	180	110	MHBLED Long
Lens 3P70 (CD)	7,0 to 15,0	3h	180	110	MHBLED Long

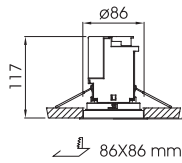
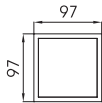
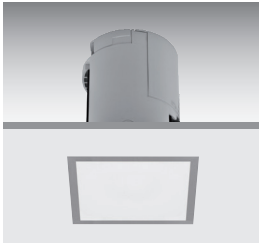
Lens Square A Specifically for Self-test
Lens Square TCA Specifically for Self-test and DaisaTest System
Lens Square DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with   ó  depending on the model. TEV test control unit for Lens (CD) TCA: See page 148 Example of order: Lens N20 A (CD) / Lens N20 TCA (CD) / Lens N20 DALI (CD)

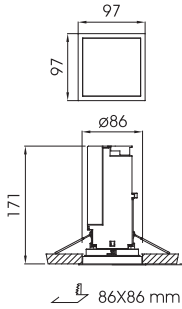
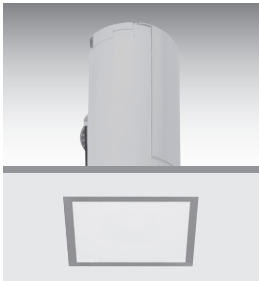
Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20  (CD)	2 to 2,5	1h	120	MHBLED	Short
Lens N30  (CD)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8  (CD)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40  (CD)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70  (CD)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8  (CD)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20  (CD)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30  (CD)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40  (CD)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70  (CD)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20  (CD)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30  (CD)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40  (CD)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70  (CD)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (f)			Emerg.	Lum.	
Lens P20  (CD)	2 to 2,5	1h	120	66	MHBLED Short
Lens P30  (CD)	2,5 to 4,0	1h	200	110	MHBLED Short
Lens P40  (CD)	4,0 to 7,0	1h	200	110	MHBLED Short
Lens P70  (CD)	7,0 to 15,0	1h	200	110	MHBLED Short
Lens 1,5P8  (CD)	2,5 to 4,0	1,5h	350	120	MHBLED Long
Lens 2P20  (CD)	2 to 2,5	2h	120	66	MHBLED Long
Lens 2P30  (CD)	2,5 to 4,0	2h	200	110	MHBLED Long
Lens 2P40  (CD)	4,0 to 7,0	2h	200	110	MHBLED Long
Lens 2P70  (CD)	7,0 to 15,0	2h	200	110	MHBLED Long
Lens 3P20  (CD)	2 to 2,5	3h	120	66	MHBLED Long
Lens 3P30  (CD)	2,5 to 4,0	3h	180	110	MHBLED Long
Lens 3P40  (CD)	4,0 to 7,0	3h	180	110	MHBLED Long
Lens 3P70  (CD)	7,0 to 15,0	3h	180	110	MHBLED Long

SHORT FORMAT



LONG FORMAT



Lens Square - Luminaire

Does not include battery. Luminaire specific function

Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Lens L20 (CD)	2 to 2,5	See finishes	120	MHBLED	No	Short
Lens L30 (CD)	2,5 to 4,0	See finishes	200	MHBLED	No	Short
Lens L8 (CD)	3,0 to 8,0	See finishes	400	MHBLED	No	Long
Lens L40 (CD)	4,0 to 7,0	See finishes	200	MHBLED	No	Short
Lens L70 (CD)	7,0 to 15,0	See finishes	200	MHBLED	No	Short
Lens L20 ELC (CD) (2)	2 to 2,5	See finishes	120	MHBLED	Yes	Short
Lens L30 ELC (CD) (2)	2,5 to 4,0	See finishes	200	MHBLED	Yes	Short
Lens L8 ELC (CD) (2)	3,0 to 8,0	See finishes	400	MHBLED	Yes	Long
Lens L40 ELC (CD) (2)	4,0 to 7,0	See finishes	200	MHBLED	Yes	Short
Lens L70 ELC (CD) (2)	7,0 to 15,0	See finishes	200	MHBLED	Yes	Short

FINISHES

Finish of	Description	Marking
Installation	Flush-mounted	(CD)
Trim colour	White (as standard)	-----
	Silver grey	(RAL9006)
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology feature a pulse-load microprocessor system that significantly reduces energy consumption.

The A and TCA Maintained models have an Eco-maintained function

- (1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP43 IK04 (visible part of the luminaire when flush-mounted on the ceiling).
IP20 IK04 (rest of the luminaire).

LENS CEILING-MOUNTED

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 (AD)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 (AD)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 (AD)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 (AD)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 (AD)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 (AD)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 (AD)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 (AD)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 (AD)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 (AD)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 (AD)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 (AD)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 (AD)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 (AD)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens		Light source	Format
Maintained: (t)			Emerg.	Lum.		
Lens P20 (AD)	2 to 2,5	1h	120	66	MHBLED	Short
Lens P30 (AD)	2,5 to 4,0	1h	200	110	MHBLED	Short
Lens P40 (AD)	4,0 to 7,0	1h	200	110	MHBLED	Short
Lens P70 (AD)	7,0 to 15,0	1h	200	110	MHBLED	Short
Lens 1,5P8 (AD)	2,5 to 4,0	1,5h	350	120	MHBLED	Long
Lens 2P20 (AD)	2 to 2,5	2h	120	66	MHBLED	Long
Lens 2P30 (AD)	2,5 to 4,0	2h	200	110	MHBLED	Long
Lens 2P40 (AD)	4,0 to 7,0	2h	200	110	MHBLED	Long
Lens 2P70 (AD)	7,0 to 15,0	2h	200	110	MHBLED	Long
Lens 3P20 (AD)	2 to 2,5	3h	120	66	MHBLED	Long
Lens 3P30 (AD)	2,5 to 4,0	3h	180	110	MHBLED	Long
Lens 3P40 (AD)	4,0 to 7,0	3h	180	110	MHBLED	Long
Lens 3P70 (AD)	7,0 to 15,0	3h	180	110	MHBLED	Long

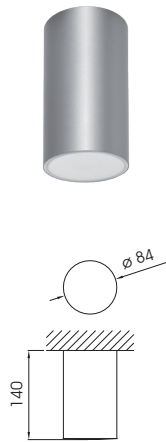
Lens Ceiling-Mounted A Specifically for Self-test
Lens Ceiling-Mounted TCA Specifically for Self-test and DaisaTest System
Lens Ceiling-Mounted DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A, DaisaTest centralised management system ☐ TCA or connection with DALI central ☐ DALI. Fill out the reference with ☐ A, ☐ TCA or ☐ DALI depending on the model. TEV test control unit for Lens (CD) TCA: See page 148 Example of order: Lens N20 A (AD) / Lens N20 TCA (AD) / Lens N20 DALI (AD)

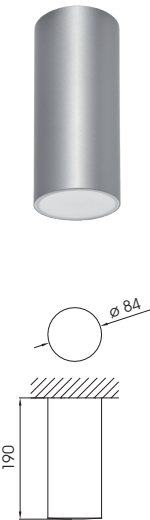
Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 ☐ (AD)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 ☐ (AD)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 ☐ (AD)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 ☐ (AD)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 ☐ (AD)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 ☐ (AD)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 ☐ (AD)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 ☐ (AD)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 ☐ (AD)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 ☐ (AD)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 ☐ (AD)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 ☐ (AD)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 ☐ (AD)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 ☐ (AD)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens		Light source	Format
Maintained: (t)			Emerg.	Lum.		
Lens P20 ☐ (AD)	2 to 2,5	1h	120	66	MHBLED	Short
Lens P30 ☐ (AD)	2,5 to 4,0	1h	200	110	MHBLED	Short
Lens P40 ☐ (AD)	4,0 to 7,0	1h	200	110	MHBLED	Short
Lens P70 ☐ (AD)	7,0 to 15,0	1h	200	110	MHBLED	Short
Lens 1,5P8 ☐ (AD)	2,5 to 4,0	1,5h	350	120	MHBLED	Long
Lens 2P20 ☐ (AD)	2 to 2,5	2h	120	66	MHBLED	Long
Lens 2P30 ☐ (AD)	2,5 to 4,0	2h	200	110	MHBLED	Long
Lens 2P40 ☐ (AD)	4,0 to 7,0	2h	200	110	MHBLED	Long
Lens 2P70 ☐ (AD)	7,0 to 15,0	2h	200	110	MHBLED	Long
Lens 3P20 ☐ (AD)	2 to 2,5	3h	120	66	MHBLED	Long
Lens 3P30 ☐ (AD)	2,5 to 4,0	3h	180	110	MHBLED	Long
Lens 3P40 ☐ (AD)	4,0 to 7,0	3h	180	110	MHBLED	Long
Lens 3P70 ☐ (AD)	7,0 to 15,0	3h	180	110	MHBLED	Long

SHORT FORMAT



LONG FORMAT



Lens Ceiling-Mounted - Luminaire

Does not include battery, Luminaire specific function

Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Lens L20 (AD)	2 to 2,5	See finishes	120	MHBLED	No	Short
Lens L30 (AD)	2,5 to 4,0	See finishes	200	MHBLED	No	Short
Lens L8 (AD)	3,0 to 8,0	See finishes	400	MHBLED	No	Long
Lens L40 (AD)	4,0 to 7,0	See finishes	200	MHBLED	No	Short
Lens L70 (AD)	7,0 to 15,0	See finishes	200	MHBLED	No	Short
Lens L20 ELC (AD) (2)	2 to 2,5	See finishes	120	MHBLED	Yes	Short
Lens L30 ELC (AD) (2)	2,5 to 4,0	See finishes	200	MHBLED	Yes	Short
Lens L8 ELC (AD) (2)	3,0 to 8,0	See finishes	400	MHBLED	Yes	Long
Lens L40 ELC (AD) (2)	4,0 to 7,0	See finishes	200	MHBLED	Yes	Short
Lens L70 ELC (AD) (2)	7,0 to 15,0	See finishes	200	MHBLED	Yes	Short

FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Silver grey	(RAL9006)
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology feature a pulse-load microprocessor system that significantly reduces energy consumption.

The A and TCA Maintained models have an Eco-maintained function

- (1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.
- (2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.

Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP40 IK04.

LENS WATERTIGHT CEILING-MOUNTED

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 (EST)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 (EST)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 (EST)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 (EST)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 (EST)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 15N8 (EST)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 (EST)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 (EST)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 (EST)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 (EST)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 (EST)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 (EST)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 (EST)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 (EST)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (t)			Emerg. Lum.		
Lens P20 (EST)	2 to 2,5	1h	120	66	MHBLED Short
Lens P30 (EST)	2,5 to 4,0	1h	200	110	MHBLED Short
Lens P40 (EST)	4,0 to 7,0	1h	200	110	MHBLED Short
Lens P70 (EST)	7,0 to 15,0	1h	200	110	MHBLED Short
Lens 15P8 (EST)	2,5 to 4,0	1,5h	350	120	MHBLED Long
Lens 2P20 (EST)	2 to 2,5	2h	120	66	MHBLED Long
Lens 2P30 (EST)	2,5 to 4,0	2h	200	110	MHBLED Long
Lens 2P40 (EST)	4,0 to 7,0	2h	200	110	MHBLED Long
Lens 2P70 (EST)	7,0 to 15,0	2h	200	110	MHBLED Long
Lens 3P20 (EST)	2 to 2,5	3h	120	66	MHBLED Long
Lens 3P30 (EST)	2,5 to 4,0	3h	180	110	MHBLED Long
Lens 3P40 (EST)	4,0 to 7,0	3h	180	110	MHBLED Long
Lens 3P70 (EST)	7,0 to 15,0	3h	180	110	MHBLED Long

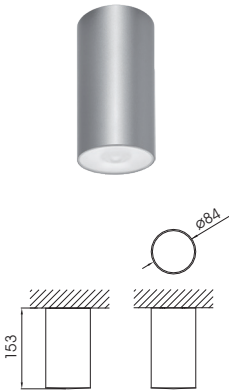
Lens Watertight Ceiling-Mounted A Specifically for Self-test
Lens Watertight Ceiling-Mounted TCA Specifically for Self-test and DaisaTest System
Lens Watertight Ceiling-Mounted DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation [A](#) DaisaTest centralised management system [TCA](#) or connection with DALI central [DALI](#) Fill out the reference with [A](#) [TCA](#) [DALI](#) depending on the model. TEV test control unit for Lens (EST) TCA: See page 148. Example of order: Lens N20 A (EST) / Lens N20 TCA (EST) / Lens N20 DALI (EST)

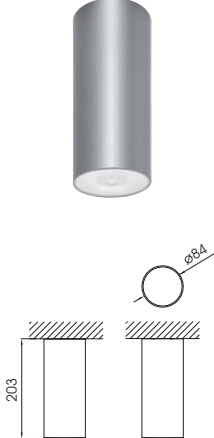
Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20  (EST)	2 to 2,5	1h	120	MHBLED	Short
Lens N30  (EST)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8  (EST)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40  (EST)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70  (EST)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 15N8  (EST)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20  (EST)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30  (EST)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40  (EST)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70  (EST)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20  (EST)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30  (EST)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40  (EST)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70  (EST)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (t)			Emerg. Lum.		
Lens P20  (EST)	2 to 2,5	1h	120	66	MHBLED Short
Lens P30  (EST)	2,5 to 4,0	1h	200	110	MHBLED Short
Lens P40  (EST)	4,0 to 7,0	1h	200	110	MHBLED Short
Lens P70  (EST)	7,0 to 15,0	1h	200	110	MHBLED Short
Lens 15P8  (EST)	2,5 to 4,0	1,5h	350	120	MHBLED Long
Lens 2P20  (EST)	2 to 2,5	2h	120	66	MHBLED Long
Lens 2P30  (EST)	2,5 to 4,0	2h	200	110	MHBLED Long
Lens 2P40  (EST)	4,0 to 7,0	2h	200	110	MHBLED Long
Lens 2P70  (EST)	7,0 to 15,0	2h	200	110	MHBLED Long
Lens 3P20  (EST)	2 to 2,5	3h	120	66	MHBLED Long
Lens 3P30  (EST)	2,5 to 4,0	3h	180	110	MHBLED Long
Lens 3P40  (EST)	4,0 to 7,0	3h	180	110	MHBLED Long
Lens 3P70  (EST)	7,0 to 15,0	3h	180	110	MHBLED Long

SHORT FORMAT



LONG FORMAT



Lens Watertight Ceiling-Mounted - Luminaire Does not include battery. Luminaire specific function

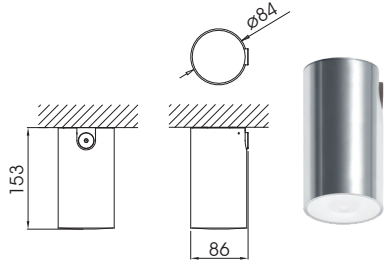
Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Lens L20 (EST)	2 to 2,5	See finishes	120	MHBLED	No	Short
Lens L30 (EST)	2,5 to 4,0	See finishes	200	MHBLED	No	Short
Lens L8 (EST)	3,0 to 8,0	See finishes	400	MHBLED	No	Long
Lens L40 (EST)	4,0 to 7,0	See finishes	200	MHBLED	No	Short
Lens L70 (EST)	7,0 to 15,0	See finishes	200	MHBLED	No	Short
Lens L20 ELC (EST) (2)	2 to 2,5	See finishes	120	MHBLED	Yes	Short
Lens L30 ELC (EST) (2)	2,5 to 4,0	See finishes	200	MHBLED	Yes	Short
Lens L8 ELC (EST) (2)	3,0 to 8,0	See finishes	400	MHBLED	Yes	Long
Lens L40 ELC (EST) (2)	4,0 to 7,0	See finishes	200	MHBLED	Yes	Short
Lens L70 ELC (EST) (2)	7,0 to 15,0	See finishes	200	MHBLED	Yes	Short

FINISHES

Finish of	Description	Marking
	Indoor IP65	(EST)
Application	All-weather IP65 Only "anodised stainless steel" colour. Only non-maintained A, TCA, DALI and Luminaire models	(EST,AEX)
Cable inputs	Upper (6x2,5 mm² máx.)	-----
	Side input (1 compression gland)	(1PRE)
	Side input / output (2 compression glands)	(2PRE)
Colour (Solo IP65 interior)	White (as standard)	-----
	Silver grey	(RAL9006)
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

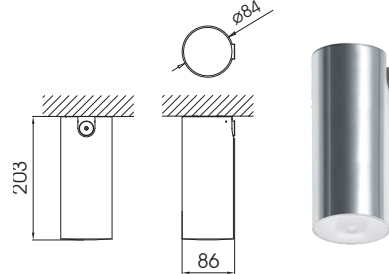
SHORT FORMAT WITH 1 COMPRESSION GLAND

Lens (EST,AEX, 1PRE)



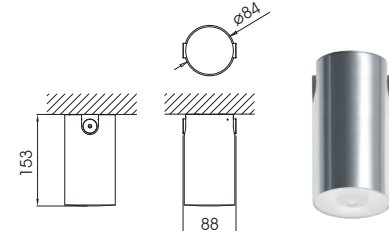
LONG FORMAT WITH 1 COMPRESSION GLAND

Lens (EST,AEX, 1PRE)



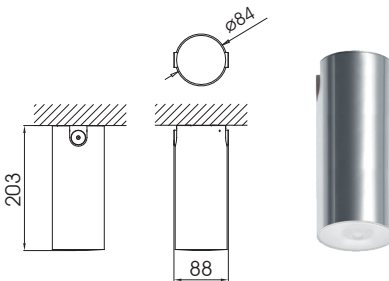
SHORT FORMAT WITH 2 COMPRESSION GLANDS

Lens (EST,AEX, 2PRE)



LONG FORMAT WITH 2 COMPRESSION GLANDS

Lens (EST,AEX, 2PRE)



Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology feature a pulse-load microprocessor system that significantly reduces energy consumption.
The A and TCA Maintained models have an Eco-maintained function
(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Features plug & play and anchoring system.
Protection rating: IP65 IK04.

LENS SUSPENDED

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 (S)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 (S)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 (S)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 (S)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 (S)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 (S)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 (S)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 (S)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 (S)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 (S)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 (S)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 (S)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 (S)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 (S)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens		Light source	Format
Maintained: (f)			Emerg.	Lum.		
Lens P20 (S)	2 to 2,5	1h	120	66	MHB ^{LED}	Short
Lens P30 (S)	2,5 to 4,0	1h	200	110	MHB ^{LED}	Short
Lens P40 (S)	4,0 to 7,0	1h	200	110	MHB ^{LED}	Short
Lens P70 (S)	7,0 to 15,0	1h	200	110	MHB ^{LED}	Short
Lens 1,5P8 (S)	2,5 to 4,0	1,5h	350	120	MHB ^{LED}	Long
Lens 2P20 (S)	2 to 2,5	2h	120	66	MHB ^{LED}	Long
Lens 2P30 (S)	2,5 to 4,0	2h	200	110	MHB ^{LED}	Long
Lens 2P40 (S)	4,0 to 7,0	2h	200	110	MHB ^{LED}	Long
Lens 2P70 (S)	7,0 to 15,0	2h	200	110	MHB ^{LED}	Long
Lens 3P20 (S)	2 to 2,5	3h	120	66	MHB ^{LED}	Long
Lens 3P30 (S)	2,5 to 4,0	3h	180	110	MHB ^{LED}	Long
Lens 3P40 (S)	4,0 to 7,0	3h	180	110	MHB ^{LED}	Long
Lens 3P70 (S)	7,0 to 15,0	3h	180	110	MHB ^{LED}	Long

Lens Suspended A
Lens Suspended TCA
Lens Suspended DALI

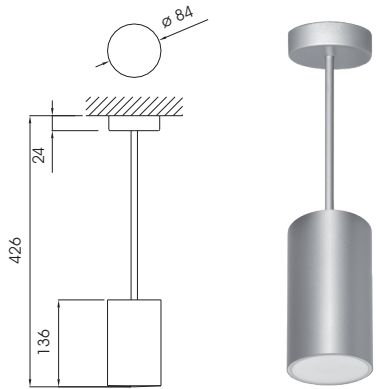
Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A, DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ A ☐ or ☐ depending on the model. TEV test control unit for Lens (S) TCA: See page 148. Example of order: Lens N20 A (S) / Lens N20 TCA (S) / Lens N20 DALI (S)

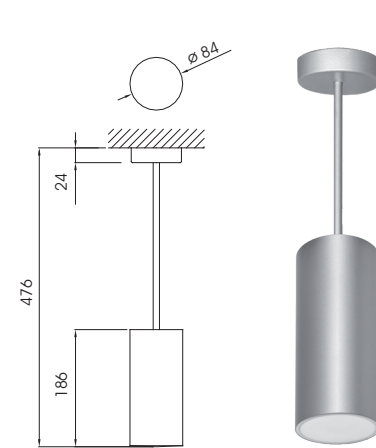
Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 ☐ (S)	2 to 2,5	1h	120	MHB ^{LED}	Short
Lens N30 ☐ (S)	2,5 to 4,0	1h	200	MHB ^{LED}	Short
Lens N8 ☐ (S)	3,0 to 8,0	1h	400	MHB ^{LED}	Long
Lens N40 ☐ (S)	4,0 to 7,0	1h	200	MHB ^{LED}	Short
Lens N70 ☐ (S)	7,0 to 15,0	1h	200	MHB ^{LED}	Short
Lens 1,5N8 ☐ (S)	3,0 to 8,0	1,5h	350	MHB ^{LED}	Long
Lens 2N20 ☐ (S)	2 to 2,5	2h	120	MHB ^{LED}	Long
Lens 2N30 ☐ (S)	2,5 to 4,0	2h	200	MHB ^{LED}	Long
Lens 2N40 ☐ (S)	4,0 to 7,0	2h	200	MHB ^{LED}	Long
Lens 2N70 ☐ (S)	7,0 to 15,0	2h	200	MHB ^{LED}	Long
Lens 3N20 ☐ (S)	2 to 2,5	3h	120	MHB ^{LED}	Long
Lens 3N30 ☐ (S)	2,5 to 4,0	3h	180	MHB ^{LED}	Long
Lens 3N40 ☐ (S)	4,0 to 7,0	3h	180	MHB ^{LED}	Long
Lens 3N70 ☐ (S)	7,0 to 15,0	3h	180	MHB ^{LED}	Long

Model	Installation height (m)	Duration	Lumens		Light source	Format
Maintained: (f)			Emerg.	Lum.		
Lens P20 ☐ (S)	2 to 2,5	1h	120	66	MHB ^{LED}	Short
Lens P30 ☐ (S)	2,5 to 4,0	1h	200	110	MHB ^{LED}	Short
Lens P40 ☐ (S)	4,0 to 7,0	1h	200	110	MHB ^{LED}	Short
Lens P70 ☐ (S)	7,0 to 15,0	1h	200	110	MHB ^{LED}	Short
Lens 1,5P8 ☐ (S)	2,5 to 4,0	1,5h	350	120	MHB ^{LED}	Short
Lens 2P20 ☐ (S)	2 to 2,5	2h	120	66	MHB ^{LED}	Long
Lens 2P30 ☐ (S)	2,5 to 4,0	2h	200	110	MHB ^{LED}	Long
Lens 2P40 ☐ (S)	4,0 to 7,0	2h	200	110	MHB ^{LED}	Long
Lens 2P70 ☐ (S)	7,0 to 15,0	2h	200	110	MHB ^{LED}	Long
Lens 3P20 ☐ (S)	2 to 2,5	3h	120	66	MHB ^{LED}	Long
Lens 3P30 ☐ (S)	2,5 to 4,0	3h	180	110	MHB ^{LED}	Long
Lens 3P40 ☐ (S)	4,0 to 7,0	3h	180	110	MHB ^{LED}	Long
Lens 3P70 ☐ (S)	7,0 to 15,0	3h	180	110	MHB ^{LED}	Long

SHORT FORMAT



LONG FORMAT



Lens Suspended - Luminaire

Does not include battery. Luminaire specific function

Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Lens L20 (S)	2 to 2,5	See finishes	120	MHB ^{LED}	No	Short
Lens L30 (S)	2,5 to 4,0	See finishes	200	MHB ^{LED}	No	Short
Lens L8 (S)	3,0 to 8,0	See finishes	400	MHB ^{LED}	No	Long
Lens L40 (S)	4,0 to 7,0	See finishes	200	MHB ^{LED}	No	Short
Lens L70 (S)	7,0 to 15,0	See finishes	200	MHB ^{LED}	No	Short
Lens L20 ELC (S) (2)	2 to 2,5	See finishes	120	MHB ^{LED}	Yes	Short
Lens L30 ELC (S) (2)	2,5 to 4,0	See finishes	200	MHB ^{LED}	Yes	Short
Lens L8 ELC (S) (2)	3,0 to 8,0	See finishes	400	MHB ^{LED}	Yes	Long
Lens L40 ELC (S) (2)	4,0 to 7,0	See finishes	200	MHB ^{LED}	Yes	Short
Lens L70 ELC (S) (2)	7,0 to 15,0	See finishes	200	MHB ^{LED}	Yes	Short

FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Silver grey	(RAL9006)
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology feature a pulse-load microprocessor system that significantly reduces energy consumption.

The A and TCA Maintained models have an Eco-maintained function

(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.

(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.

Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP40 IK04.

LENS WALL-MOUNTED

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N30 (ESP)	2,2 to 5,5	1h	200	MHBLED	Short
Lens N8 (ESP)	2 to 9	1h	350	MHBLED	Long
Lens 1,5N8 (ESP)	2 to 9	1,5h	350	MHBLED	Long
Lens 2N30 (ESP)	2,2 to 5,5	2h	200	MHBLED	Long
Lens 3N30 (ESP)	2,2 to 5,5	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens		Light source	Format
Maintained: (t)			Emerg.	Lum.		
Lens P30 (ESP)	2,2 to 5,5	1h	200	110	MHBLED	Short
Lens P8 (ESP)	2 to 9	1h	350	120	MHBLED	Long
Lens 1,5P8 (ESP)	2 to 9	1,5h	350	120	MHBLED	Long
Lens 2P30 (ESP)	2,2 to 5,5	2h	200	110	MHBLED	Long
Lens 3P30 (ESP)	2,2 to 5,5	3h	180	110	MHBLED	Long

Lens Wall-mounted A Specifically for Self-test
Lens Wall-mounted TCA Specifically for Self-test and DaisaTest System
Lens Wall-mounted DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  o conexión central DALI  Fill out the reference with   o  depending on the model. TEV test control unit for Lens (ESP) TCA: See page 148. Example of order: Lens N30 A (ESP) / Lens N30 TCA (ESP) / Lens N30 DALI (ESP)

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N30  (ESP)	2,2 to 5,5	1h	200	MHBLED	Short
Lens N8  (ESP)	2 to 9	1h	350	MHBLED	Long
Lens 1,5N8  (ESP)	2 to 9	1,5h	350	MHBLED	Long
Lens 2N30  (ESP)	2,2 to 5,5	3h	200	MHBLED	Long
Lens 3N30  (ESP)	2,2 to 5,5	3h	180	MHBLED	Long

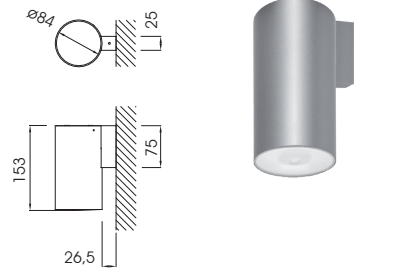
Model	Installation height (m)	Duration	Lumens		Light source	Format
Maintained: (t)			Emerg.	Lum.		
Lens P30  (ESP)	2,2 to 5,5	1h	200	110	MHBLED	Short
Lens 1,5P8  (ESP)	2 to 9	1,5h	350	110	MHBLED	Long
Lens 2P30  (ESP)	2,2 to 5,5	2h	200	110	MHBLED	Long
Lens 3P30  (ESP)	2,2 to 5,5	3h	180	110	MHBLED	Long

Lens Wall-mounted - Luminaire Does not include battery. Luminaire specific function

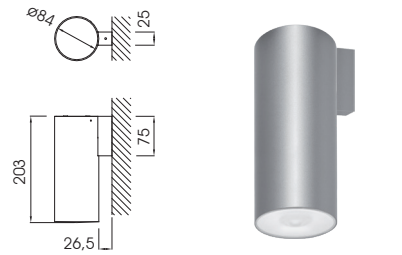
Model	Installation height (m)	Power supply	Lumens	Light source	Communication	Format
Lens L30 (ESP)	2,2 to 5,5	See finishes	200	MHBLED	No	Short
Lens L8 (ESP)	2 to 9	See finishes	400	MHBLED	No	Long
Lens L30 ELC (ESP) (2)	2,2 to 5,5	See finishes	200	MHBLED	Yes	Short
Lens L8 ELC (ESP) (2)	2 to 9	See finishes	400	MHBLED	Yes	Long

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology feature a pulse-load microprocessor system that significantly reduces energy consumption.
The A and TCA Maintained models have an Eco-maintained function
(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Features plug & play and anchoring system.

SHORT FORMAT



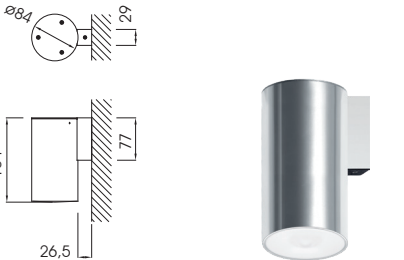
LONG FORMAT



FINISHES		
Finish of	Description	Marking
Application	Indoor IP40	(ESP)
	Indoor IP65	(ESP,IP65)
	All-weather IP65	(ESP, AEX,INOX)
	Only "anodised stainless steel" colour. Only non-maintained A, TCA, DALI and Luminaire models	
Colour:	White (as standard)	-----
Only indoor IP40	Silver grey	(RAL9006)
Only indoor IP65	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

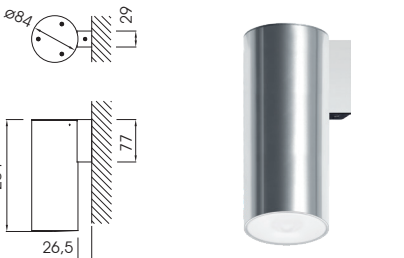
SHORT FORMAT

LENS (ESP,AEX)



LONG FORMAT

LENS (ESP,AEX)



LENS WATERTIGHT

Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 (ES)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 (ES)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 (ES)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 (ES)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 (ES)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 (ES)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 (ES)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 (ES)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 (ES)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 (ES)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 (ES)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 (ES)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 (ES)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 (ES)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (t)			Emerg.	Lum.	
Lens P20 (ES)	2 to 2,5	1h	120	66	MHBLED Short
Lens P30 (ES)	2,5 to 4,0	1h	200	110	MHBLED Short
Lens P40 (ES)	4,0 to 7,0	1h	200	110	MHBLED Short
Lens P70 (ES)	7,0 to 15,0	1h	200	110	MHBLED Short
Lens 1,5P8 (ES)	2,5 to 4,0	1,5h	350	120	MHBLED Long
Lens 2P20 (ES)	2 to 2,5	2h	120	66	MHBLED Long
Lens 2P30 (ES)	2,5 to 4,0	2h	200	110	MHBLED Long
Lens 2P40 (ES)	4,0 to 7,0	2h	200	110	MHBLED Long
Lens 2P70 (ES)	7,0 to 15,0	2h	200	110	MHBLED Long
Lens 3P20 (ES)	2 to 2,5	3h	120	66	MHBLED Long
Lens 3P30 (ES)	2,5 to 4,0	3h	180	110	MHBLED Long
Lens 3P40 (ES)	4,0 to 7,0	3h	180	110	MHBLED Long
Lens 3P70 (ES)	7,0 to 15,0	3h	180	110	MHBLED Long

Lens Watertight A
Lens Watertight TCA
Lens Watertight DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ ☐ ☐ depending on the model. TEV test control unit for Lens (ES) TCA: See page 148. Example of order: Lens N20 A (ES) / Lens N20 TCA (ES) / Lens N20 DALI (ES)

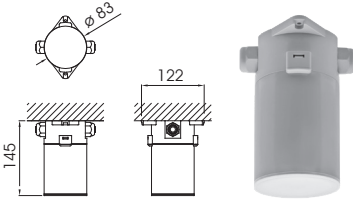
Model	Installation height (m)	Duration	Lumens	Light source	Format
Non-maintained:					
Lens N20 ☐ (ES)	2 to 2,5	1h	120	MHBLED	Short
Lens N30 ☐ (ES)	2,5 to 4,0	1h	200	MHBLED	Short
Lens N8 ☐ (ES)	3,0 to 8,0	1h	400	MHBLED	Long
Lens N40 ☐ (ES)	4,0 to 7,0	1h	200	MHBLED	Short
Lens N70 ☐ (ES)	7,0 to 15,0	1h	200	MHBLED	Short
Lens 1,5N8 ☐ (ES)	3,0 to 8,0	1,5h	350	MHBLED	Long
Lens 2N20 ☐ (ES)	2 to 2,5	2h	120	MHBLED	Long
Lens 2N30 ☐ (ES)	2,5 to 4,0	2h	200	MHBLED	Long
Lens 2N40 ☐ (ES)	4,0 to 7,0	2h	200	MHBLED	Long
Lens 2N70 ☐ (ES)	7,0 to 15,0	2h	200	MHBLED	Long
Lens 3N20 ☐ (ES)	2 to 2,5	3h	120	MHBLED	Long
Lens 3N30 ☐ (ES)	2,5 to 4,0	3h	180	MHBLED	Long
Lens 3N40 ☐ (ES)	4,0 to 7,0	3h	180	MHBLED	Long
Lens 3N70 ☐ (ES)	7,0 to 15,0	3h	180	MHBLED	Long

Model	Installation height (m)	Duration	Lumens	Light source	Format
Maintained: (t)			Emerg.	Lum.	
Lens P20 ☐ (ES)	2 to 2,5	1h	120	66	MHBLED Short
Lens P30 ☐ (ES)	2,5 to 4,0	1h	200	110	MHBLED Short
Lens P40 ☐ (ES)	4,0 to 7,0	1h	200	110	MHBLED Short
Lens P70 ☐ (ES)	7,0 to 15,0	1h	200	110	MHBLED Short
Lens 1,5P8 ☐ (ES)	2,5 to 4,0	1,5h	350	120	MHBLED Long
Lens 2P20 ☐ (ES)	2 to 2,5	2h	120	66	MHBLED Long
Lens 2P30 ☐ (ES)	2,5 to 4,0	2h	200	110	MHBLED Long
Lens 2P40 ☐ (ES)	4,0 to 7,0	2h	200	110	MHBLED Long
Lens 2P70 ☐ (ES)	7,0 to 15,0	2h	200	110	MHBLED Long
Lens 3P20 ☐ (ES)	2 to 2,5	3h	120	66	MHBLED Long
Lens 3P30 ☐ (ES)	2,5 to 4,0	3h	180	110	MHBLED Long
Lens 3P40 ☐ (ES)	4,0 to 7,0	3h	180	110	MHBLED Long
Lens 3P70 ☐ (ES)	7,0 to 15,0	3h	180	110	MHBLED Long

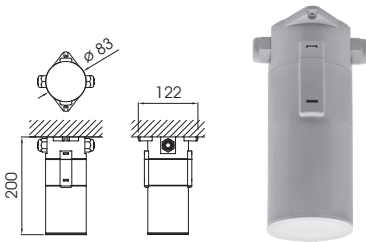
LENS WATERTIGHT

LENS (ES)

SHORT FORMAT



LONG FORMAT



Lens Watertight - Luminaire

Does not include battery. Luminaire specific function

Model	Installation height	Power supply	Lumens	Light source	Communication	Format
Lens L20 (ES)	2 to 2,5	See finishes	120	MHBLED	No	Short
Lens L30 (ES)	2,5 to 4,0	See finishes	200	MHBLED	No	Short
Lens L8 (ES)	3,0 to 8,0	See finishes	400	MHBLED	No	Long
Lens L40 (ES)	4,0 to 7,0	See finishes	200	MHBLED	No	Short
Lens L70 (ES)	7,0 to 15,0	See finishes	200	MHBLED	No	Short
Lens L20 ELC (ES) (2)	2 to 2,5	See finishes	120	MHBLED	Yes	Short
Lens L30 ELC (ES) (2)	2,5 to 4,0	See finishes	200	MHBLED	Yes	Short
Lens L8 ELC (ES) (2)	3,0 to 8,0	See finishes	400	MHBLED	Yes	Long
Lens L40 ELC (ES) (2)	4,0 to 7,0	See finishes	200	MHBLED	Yes	Short
Lens L70 ELC (ES) (2)	7,0 to 15,0	See finishes	200	MHBLED	Yes	Short

FINISHES

Finish of	Description	Marking
Installation	Ceiling-mounted	(ES)
	Semi-recessed in hollow ceilings	(ESM)
	All-weather semi-recessed Only non-maintained A, TCA, DALI and Luminaire models	(ESM,AEX)
LED Colour	Cool white (as standard)	-----
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

Diagram	Description	Reference
	Box for semi-recessed mounting in concrete ceilings, only for semi-recessed KSP Lens finish. Only for short format.	
	Box for semi-recessed mounting in concrete ceilings, only for semi-recessed KSP-L Lens finish. Only for long format.	

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology feature a pulse-load microprocessor system that significantly reduces energy consumption.

The A and TCA Maintained models have an Eco-maintained function

(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.

(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

The colour of models with (ES) finish which are surface-mounted is INDUSTRIAL GREY.

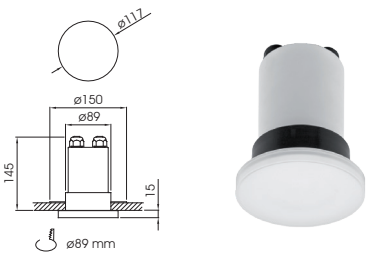
Features plug & play and anchoring system.

Protection rating: IP66 IK04.

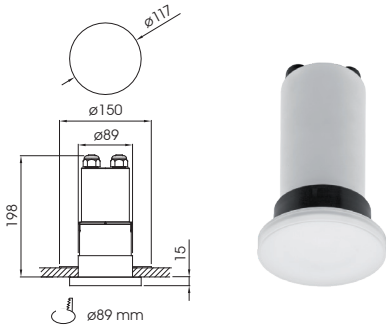
LENS WATERTIGHT SEMI-RECESSED

LENS (ESM) / LENS (ESM,AEX)

SHORT FORMAT



LONG FORMAT



NOVA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Nova LD N1	1h	NiCd	70	ILM _{LED}
Nova LD N2	1h	NiCd	100	ILM _{LED}
Nova LD N3	1h	NiCd	150	ILM _{LED}
Nova LD N5	1h	NiCd	250	ILM _{LED}
Nova LD N6	1h	NiCd	320	ILM _{LED}
Nova LD N8	1h	NiCd	435	ILM _{LED}
Nova LD N11	1h	NiCd	550	ILM _{LED}
Nova LD 1,5N8	1,5h	NiCd	350	ILM _{LED}
Nova LD 2N5	2h	NiCd	230	ILM _{LED}
Nova LD 3N4	3h	NiCd	160	ILM _{LED}

Model	Duration	Battery	Lumens	Light source	Temperature
Nova cold stores: (1)					
Nova LD N3 FR20	1h	NiCd	150	ILM _{LED}	from -20º to 0º
Nova LD N3 FR40	1h	NiCd	150	ILM _{LED}	from -40º to -20º
Nova LD N8 FR20	1h	NiCd	435	ILM _{LED}	from -20º to 0º
Nova LD N8 FR40	1h	NiCd	435	ILM _{LED}	from -40º to -20º
Maintained:			Emerg.	Lum.	
Nova LD P3	1h	NiMH	90	90	ILM _{LED}
Nova LD P6	1h	NiMH	240	300	ILM _{LED}
Nova LD 2P3	2h	NiMH	90	90	ILM _{LED}
Nova LD 2P6	2h	NiMH	240	300	ILM _{LED}
Nova LD 3P3	3h	NiMH	90	90	ILM _{LED}
Nova LD 3P6	3h	NiMH	240	300	ILM _{LED}

Nova A
Nova TCA
Nova DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A, DaisaTest centralised management system ☐ TCA or connection with DALI central ☐ DALI. Fill out the reference with ☐ A, ☐ TCA or ☐ DALI depending on the model. TEV test control unit for Lens (ES) TCA: See page 148. Example of order: Nova LD N2 A / Nova LD N2 TCA / Nova LD N2 DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Nova LD N2 ☐	1h	NiMH	100	ILM _{LED}
Nova LD N3 ☐	1h	NiMH	150	ILM _{LED}
Nova LD N5 ☐	1h	NiMH	220	ILM _{LED}
Nova LD N6 ☐	1h	NiMH	320	ILM _{LED}
Nova LD N8 ☐	1h	NiMH	435	ILM _{LED}
Nova LD 2N5 ☐	2h	NiMH	255	ILM _{LED}
Nova LD 3N4 ☐	3h	NiMH	200	ILM _{LED}

Model	Duration	Battery	Lumens	Light source	Temperature
Nova cold stores: (1)					
Nova LD N2 FR20 A	1h	NiCd	100	ILM _{LED}	from -20º to 0º
Nova LD N2 FR40 A	1h	NiCd	100	ILM _{LED}	from -40º to -20º
Nova LD N6 FR20 A	1h	NiCd	320	ILM _{LED}	from -20º to 0º
Nova LD N6 FR40 A	1h	NiCd	320	ILM _{LED}	from -40º to -20º

Model	Duration	Battery	Lumens	Light source	
Maintained: (1)			Emerg.	Lum.	
Nova LD P3 ☐	1h	NiMH	90	90	ILM _{LED}
Nova LD P6 ☐	1h	NiMH	240	300	ILM _{LED}
Nova LD 2P3 ☐	2h	NiMH	90	90	ILM _{LED}
Nova LD 2P6 ☐	2h	NiMH	240	300	ILM _{LED}
Nova LD 3P3 ☐	3h	NiMH	90	90	ILM _{LED}
Nova LD 3P6 ☐	3h	NiMH	240	300	ILM _{LED}

Nova - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Nova LD L3	See finishes	90	ILM _{LED}	No
Nova LD L8	See finishes	320	ILM _{LED}	No
Nova LD L3 ELC (2)	See finishes	90	ILM _{LED}	Yes
Nova LD L8 ELC (2)	See finishes	320	ILM _{LED}	Yes

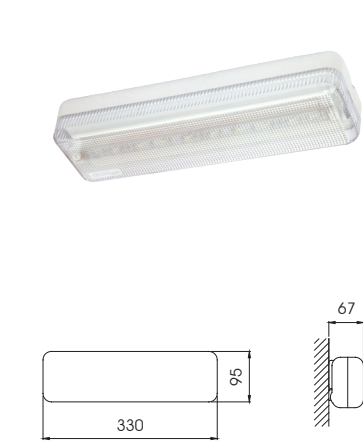
Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- (1) Includes watertight housing with IP66 IK08 protection rating.
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Protection rating: IP44 IK04.

NOVA SURFACE
NOVA



FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Black	(N)
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

Reference	Description	Diagram	Resulting flux
KEB Nova	Recessed mounting box. White		88%
KEN Nova	Recessed mounting box. Black		88%
Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard...			

KTDM Nova	Kit for recessed mounting boxes (KEB and KEN) in metallic ceilings with inspection access.		-----

KTLE Nova	Kit that complements the KTDM Nova kit to support the luminaire on profiles.		-----

KES Nova	Watertight housing IP66 IK08		105%

KPI Nova	Stainless steel all-weather protection kit.		-----

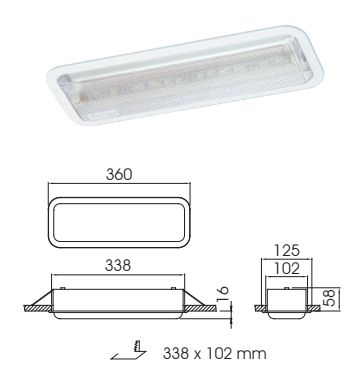
KBO Nova	Opal double-sided diffuser		96%
KBT Nova	Transparent double-sided diffuser		107%

Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives) Customised signs and emergency signs supplied to order. Check signs and their references in the sign annex.	50%

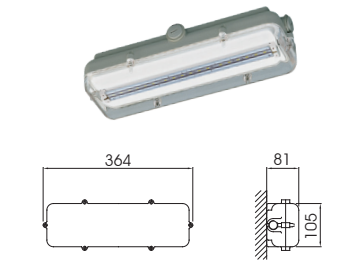


SG0110

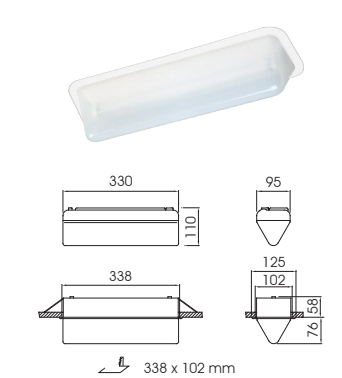
NOVA RECESSED
NOVA + KEB NOVA



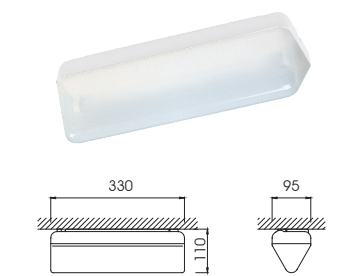
NOVA WATERTIGHT
NOVA + KES NOVA



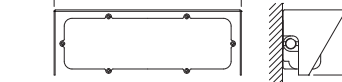
NOVA BIPLANE RECESSED
NOVA + KBO NOVA + KEB NOVA



NOVA BIPLANE
NOVA + KBO NOVA



KPI NOVA
KPI



HYDRA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Hydra LD N2	1h	NiCd	100	ILM _{LED}
Hydra LD N3	1h	NiCd	160	ILM _{LED}
Hydra LD N6	1h	NiCd	250	ILM _{LED}
Hydra LD N8	1h	NiCd	400	ILM _{LED}
Hydra LD N10	1h	NiCd	500	ILM _{LED}
Hydra LD 2N5	2h	NiCd	200	ILM _{LED}
Hydra LD 3N3	3h	NiCd	150	ILM _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Hydra LD P3	1h	NIMH	120	120	LGP _{LED}
Hydra LD P6	1h	NIMH	250	300	LGP _{LED}
Hydra LD 2P3	2h	NIMH	120	120	LGP _{LED}
Hydra LD 2P6	2h	NIMH	250	300	LGP _{LED}
Hydra LD 3P3	3h	NIMH	120	120	LGP _{LED}
Hydra LD 3P5	3h	NIMH	200	300	LGP _{LED}
Hydra LD 3P7	3h	NIMH	300	300	ILM _{LED}

Hydra A
Hydra TCA
Hydra DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with    depending on the model. TEV test control unit for Hydra TCA: See page 148. Example of order: Hydra LD N2 A / Hydra LD N2 TCA / Hydra LD N2 DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Hydra LD N2 	1h	NIMH	100	ILM _{LED}
Hydra LD N5 	1h	NIMH	200	ILM _{LED}
Hydra LD N6 	1h	NIMH	280	ILM _{LED}
Hydra LD N7 	1h	NIMH	370	ILM _{LED}
Hydra LD 2N5 	2h	NIMH	230	ILM _{LED}
Hydra LD 2N7 	2h	NIMH	400	ILM _{LED}
Hydra LD 3N3 	3h	NIMH	125	ILM _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Hydra LD P3 	1h	NIMH	120	120	LGP _{LED}
Hydra LD P6 	1h	NIMH	250	300	LGP _{LED}
Hydra LD 2P3 	2h	NIMH	120	120	LGP _{LED}
Hydra LD 2P6 	2h	NIMH	250	300	LGP _{LED}
Hydra LD 3P3 	3h	NIMH	120	120	LGP _{LED}
Hydra LD 3P5 	3h	NIMH	200	300	LGP _{LED}
Hydra LD 3P7 	3h	NIMH	300	300	ILM _{LED}

Hydra AEX A
Hydra AEX TCA
Hydra AEX DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Self-contained models suitable for outdoor installation. Waterproof box included (IP66 IK10). Not suitable for installation in freezer chambers. Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with    depending on the model. TEV test control unit for Hydra AEX TCA: See page 148. Example of order: Hydra LD N7 AEX A / Hydra LD N7 AEX TCA / Hydra LD N7 AEX DALI

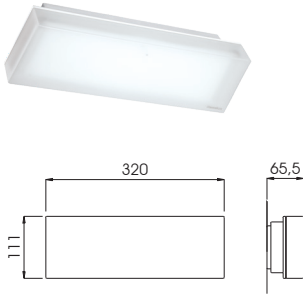
Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Hydra LD N7 AEX 	1h	LiFePO4	320	ILM _{LED}
Hydra LD 2N5 AEX 	2h	LiFePO4	200	ILM _{LED}
Hydra LD 3N3 AEX 	3h	LiFePO4	140	ILM _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Hydra LD P6 AEX 	1h	LiFePO4	250	250	LGP _{LED}
Hydra LD 2P5 AEX 	2h	LiFePO4	200	250	LGP _{LED}
Hydra LD 3P3 AEX 	3h	LiFePO4	130	250	LGP _{LED}

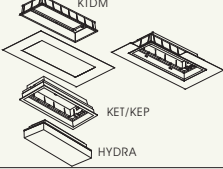
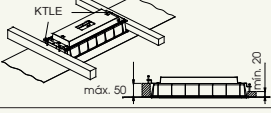
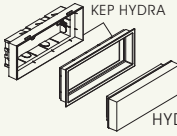
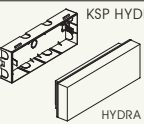
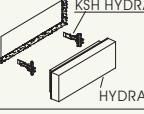
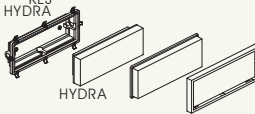
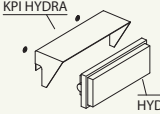
Hydra - Luminaire					Does not include battery. Luminaire specific function
Model	Power supply	Lumens	Light source	Communication	
Hydra LD L3	See finishes	90	LGP _{LED}	No	
Hydra LD L8	See finishes	400	LGP _{LED}	No	
Hydra LD L3 ELC (†)	See finishes	90	ILM _{LED}	Yes	
Hydra LD L8 ELC (†)	See finishes	400	ILM _{LED}	Yes	

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh or LiFePo4 battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
(†) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Protection rating: IP42 IK04.

HYDRA SURFACE



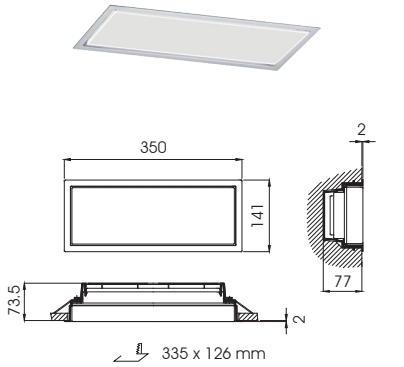
FINISHES		
Finish of	Description	Marking
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES			
Reference	Description	Diagram	Resulting flux
KETB Hydra	Flush-mounting box. White		83%
KETGP Hydra	Flush-mounting box. Silver grey		83%
KTDM Hydra	Kit for mounting the flush-fitting box (KETB/KETGP) in metallic ceiling with inspection access.		-----
KTLE Hydra	Kit that complements the KTDM Hydra kit to support the luminaire on profiles.		-----
KEPB Hydra	Flush-mounting box. White.		83%
KEPGP Hydra	Flush-mounting box. Silver grey		83%
KEPC Hydra	Flush-mounting box. Chrome		83%
KEPN Hydra	Flush-mounting box. Nickel		83%
KEPD Hydra	Flush-mounting box. Gold		83%
	Suitable for installation on walls/ceilings (solid) in block, brick, stone, etc.		
KSP Hydra	Semi-recessed mounting box Suitable for installation on walls/ceilings (solid) in block, brick, stone, etc.		100%
KSH Hydra	Anchoring kit for Hydra For semi-recessing in hollow wall made from plaster board, wood, plywood, plaster... Not suitable for ceilings		100%
KES Hydra	Watertight housing IP66 IK10		85%
KPI Hydra	Stainless steel all-weather protection kit. Kit that complements the Hydra AEX references for outdoor installation.		-----
SKT...	Signage plate, pennant Printed methacrylate 324x160. Accessory only suitable for KETB/KETGP Hydra flush ceiling mounting boxes.		100%

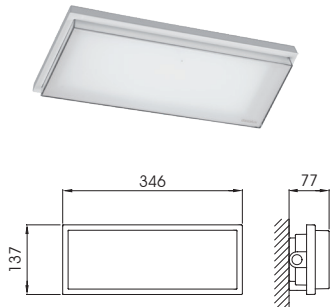
Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives) Customised signs and emergency signs supplied to order Check signs and their references in the sign annex.	50%

 SG0810

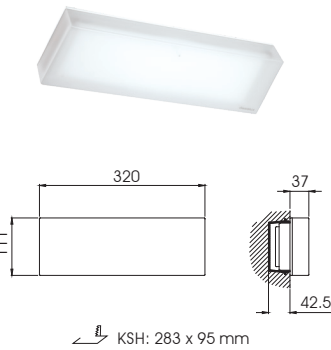
HYDRA FLUSH-MOUNTED HYDRA + KETB HYDRA O KEPB HYDRA



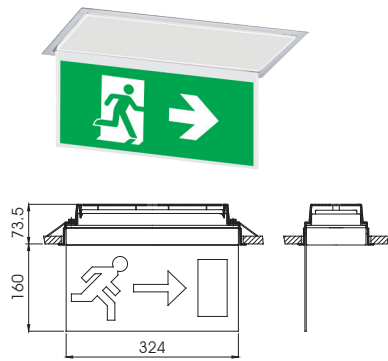
HYDRA WATERTIGHT HYDRA + KES HYDRA O HYDRA AEX



HYDRA SEMI-RECESSED HYDRA + KSP HYDRA O KSH HYDRA



HYDRA PENNANT HYDRA + KETGP HYDRA + 10



HYDRA GIGA

Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Hydra-G LD P	1h	NiMH	90	LMSLED
Hydra-G LD P8	1h	NiMH	400	ILMLED
Hydra-G LD 2P	2h	NiMH	90	LMSLED
Hydra-G LD 2P8	2h	NiMH	400	ILMLED
Hydra-G LD 3P	3h	NiMH	90	LMSLED
Hydra-G LD 3P7	3h	NiMH	340	ILMLED

Hydra Giga A	Specifically for Self-test
Hydra Giga TCA	Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with   or  depending on the model. TEV test control unit for Hydra-G TCA: See page 148
Example of order: Hydra-G LD P A / Hydra-G LD P TCA.

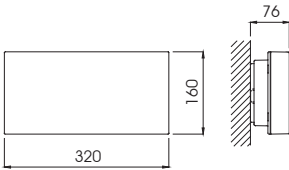
Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Hydra-G LD P 	1h	NiMH	90	LMSLED
Hydra-G LD P8 	1h	NiMH	400	ILMLED
Hydra-G LD 2P 	2h	NiMH	90	LMSLED
Hydra-G LD 2P8 	2h	NiMH	400	ILMLED
Hydra-G LD 3P 	3h	NiMH	90	LMSLED
Hydra-G LD 3P7 	3h	NiMH	340	ILMLED

Hydra Giga - Luminaire	Does not include battery. Luminaire specific function
------------------------	---

Model	Power supply	Lumens	Light source	Communication
Hydra-G LD L3	See finishes	90	LMSLED	No
Hydra-G LD L8	See finishes	400	ILMLED	No
Hydra-G LD L3 ELC (1)	See finishes	90	LMSLED	Yes
Hydra-G LD L8 ELC (1)	See finishes	400	ILMLED	Yes

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
(1) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.
Protection rating: IP40 IK04.

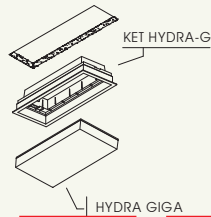
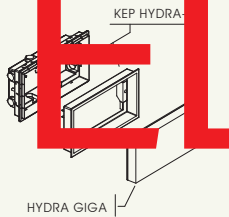
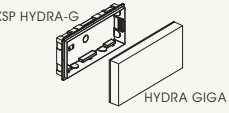
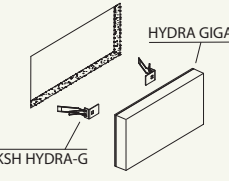
HYDRA GIGA SURFACE
HYDRA-G



FINISHES

Finish of	Description	Marking
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

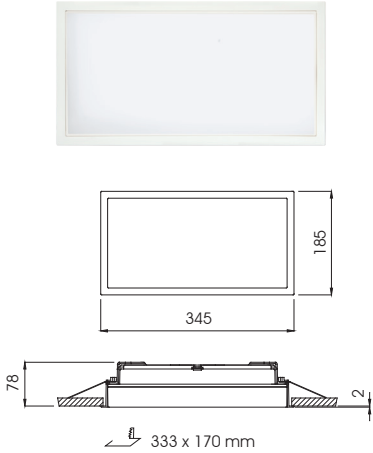
ACCESSORIES

Reference	Description	Diagram	Resulting flux
KET Hydra-G	Flush-mounting box. Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard...		85%
KEP Hydra-G	Flush-mounting box. Suitable for installation in (solid) panel walls/ceilings made of breezeblock, concrete, brick, stone...		85%
KSP Hydra-G	Flush-mounting box. Suitable for installation in (solid) panel walls/ceilings made of breezeblock, concrete, brick, stone...		100%
KSH Hydra-G	Anchoring kit for Hydra Giga For semi-recessing in hollow wall made from plaster board, wood, plywood, plaster... Not suitable for ceilings		100%

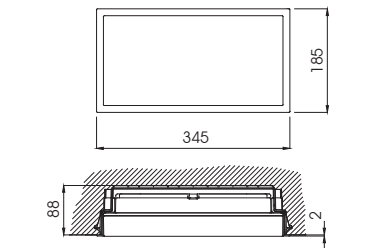
Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives) Customised signs and emergency signs supplied to order Check signs and their references in the sign annex.	45%
 SG1110		

HYDRA GIGA FLUSH-MOUNTED

HYDRA-G + KET HYDRA-G (CEILING/WALL)

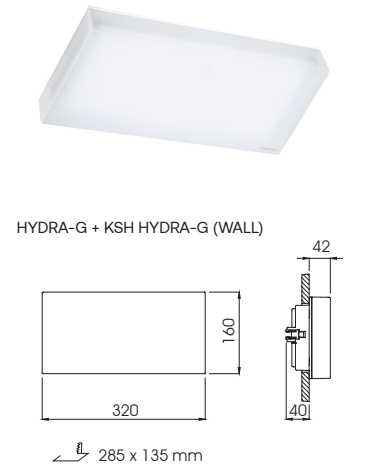


HYDRA-G + KEP HYDRA-G (WALL/CEILING-MOUNTED)

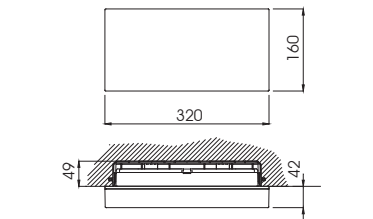


HYDRA GIGA SEMI-RECESSED

HYDRA-G + KSH HYDRA-G O KSP HYDRA-G



HYDRA-G + KSP HYDRA-G (WALL/CEILING)



ARGOS SIMPLE

Model	Duration	Battery	Lumens		Light source
Non-maintained:					
Argos LD N3	1h	NiCd	140		ILM _{LED}
Argos LD N6	1h	NiCd	300		ILM _{LED}
Argos LD 2N5	2h	NiCd	220		ILM _{LED}
Argos LD 3N4	3h	NiCd	150		ILM _{LED}
Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Argos LD P3	1h	NiMH	90	90	ILM _{LED}
Argos LD P6	1h	NiMH	240	300	ILM _{LED}
Argos LD 2P3	2h	NiMH	90	90	ILM _{LED}
Argos LD 2P6	2h	NiMH	240	300	ILM _{LED}
Argos LD 3P3	3h	NiMH	90	90	ILM _{LED}
Argos LD 3P4	3h	NiMH	180	180	ILM _{LED}
Argos Simple A		Specifically for Self-test			
Argos Simple TCA		Specifically for Self-test and DaisaTest System			
Includes microprocessor for Self-test mode operation ☐ DaisaTest centralised management system ☐ or connection with DALI central ☐					
Fill out the reference with ☐ ☐ ☐ ☐ depending on the model. TEV test control unit for Argos TCA: See page 148. Example of order: Argos LD N3 A / Argos LD N3 TCA					

Model	Duration	Battery	Lumens		Light source
Non-maintained:					
Argos LD N3 ☐	1h	NiCd	140		ILM _{LED}
Argos LD N6 ☐	1h	NiCd	300		ILM _{LED}
Argos LD 2N5 ☐	2h	NiCd	240		ILM _{LED}
Argos LD 3N4 ☐	3h	NiCd	190		ILM _{LED}
Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Argos LD P3 ☐	1h	NiMH	90	90	ILM _{LED}
Argos LD P6 ☐	1h	NiMH	240	300	ILM _{LED}
Argos LD 2P3 ☐	2h	NiMH	90	90	ILM _{LED}
Argos LD 2P6 ☐	2h	NiMH	240	300	ILM _{LED}
Argos LD 3P3 ☐	3h	NiMH	90	90	ILM _{LED}
Argos LD 3P4 ☐	3h	NiMH	180	180	ILM _{LED}
Argos Simple - Luminaire		Does not include battery. Luminaire specific function			

Model	Power supply	Lumens	Light source	Communication
Argos LD L3	See finishes	90	ILM _{LED}	No
Argos LD L8	See finishes	300	ILM _{LED}	No
Argos LD L3 ELC (f)	See finishes	90	ILM _{LED}	Yes
Argos LD L8 ELC (f)	See finishes	300	ILM _{LED}	Yes

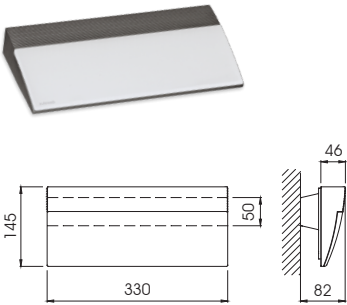
Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

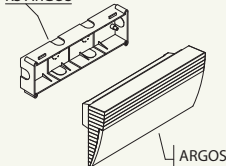
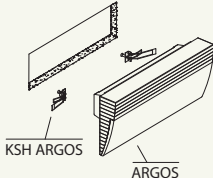
(f) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Protection rating: IP32 IK04.

ARGOS (GR)



FINISHES		
Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)
	Only maintained and luminaire models	
Power supply:		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

Reference	Description	Diagram	Resulting flux
KS Argos	Semi-recessed mounting box Suitable for installation in (solid) panel walls made of breezeblock, brick, stone...		100%
KSH Argos	Argos anchoring kit for semi-recessing in hollow wall made from plaster board, wood, plywood, plaster...		100%
	(Not suitable for ceilings)		
Ref.	Description	Resulting flux	
SG...	Emergency signs. (Adhesives) Customised signs and emergency signs supplied to order Check signs and their references in the sign annex.	35%	

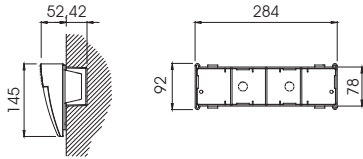


ARGOS SIMPLE SEMI-RECESSED

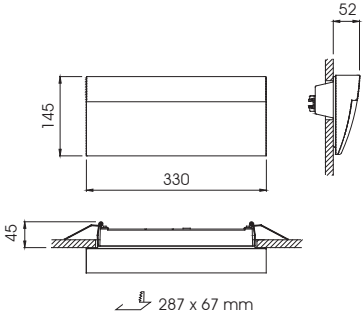
ARGOS (GR) + KS ARGOS Ó KSH ARGOS



ARGOS + KS ARGOS (WALL)



ARGOS + KSH ARGOS (WALL)



ARGOS DOUBLE

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Argos-D LD N3	1h	NiCd	140	ILMLED
Argos-D LD N6	1h	NiCd	300	ILMLED
Argos-D LD 2N5	2h	NiCd	220	ILMLED
Argos-D LD 3N4	3h	NiCd	150	ILMLED

Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Argos-D LD P4	1h	NiMH	180	ILMLED
Argos-D LD P9	1h	NiMH	380	ILMLED
Argos-D LD 2P4	2h	NiMH	180	ILMLED
Argos-D LD 2P7	2h	NiMH	280	ILMLED
Argos-D LD 3P4	3h	NiMH	180	ILMLED

Argos Double A Specifically for Self-test
Argos Double TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Argos-D TCA: See page 148. Example of order: Argos-D LD N3 A / Argos-D LD N3 TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Argos-D LD N3 ☐	1h	NiMH	140	ILMLED
Argos-D LD N6 ☐	1h	NiMH	300	ILMLED
Argos-D LD 2N5 ☐	2h	NiMH	240	ILMLED
Argos-D LD 3N4 ☐	3h	NiMH	190	ILMLED

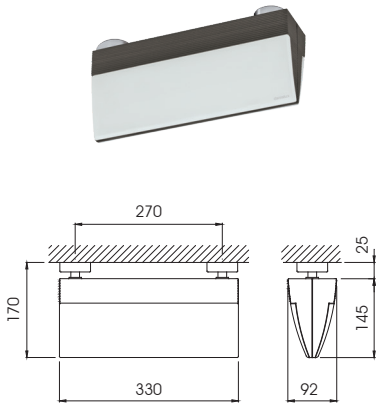
Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Argos-D LD P4 ☐	1h	NiMH	180	ILMLED
Argos-D LD P9 ☐	1h	NiMH	380	ILMLED
Argos-D LD 2P4 ☐	2h	NiMH	180	ILMLED
Argos-D LD 2P7 ☐	3h	NiMH	280	ILMLED
Argos-D LD 3P4 ☐	3h	NiMH	180	ILMLED

Argos Double - Luminaire Does not include battery. Luminaire specific function

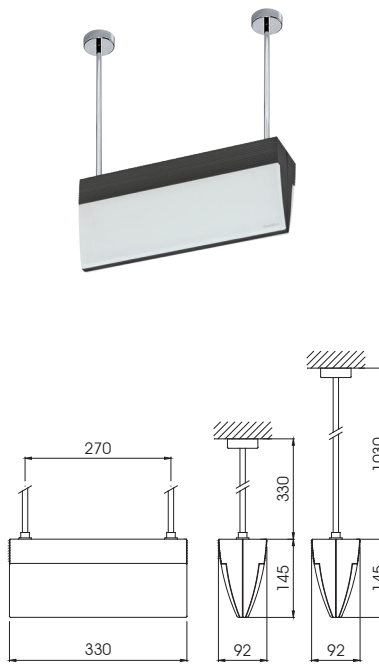
Model	Power supply	Lumens	Light source	Communication
Argos-D LD L4	See finishes	180	ILMLED	No
Argos-D LD L8	See finishes	380	ILMLED	No
Argos-D LD L4 ELC (t)	See finishes	180	ILMLED	Yes
Argos-D LD L8 ELC (t)	See finishes	380	ILMLED	Yes

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
All ARGOS-D models require the assembly kit, REF: K... For proper installation (see accessories).
(t) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Protection rating: IP42 IK04.

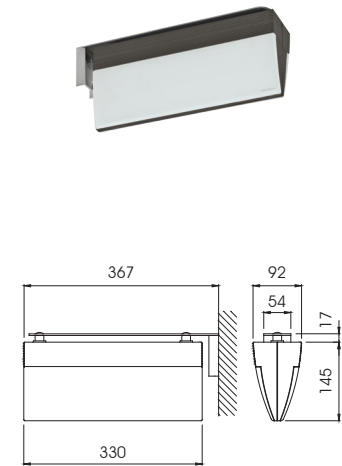
ARGOS DOUBLE CEILING-MOUNTED



ARGOS DOUBLE SUSPENDED
ARGOS-D (GR) + KS30 ARGOS Ó KS100 ARGOS



ARGOS DOUBLE WALL-MOUNTED PENNANT
ARGOS-D (GR) + KBG ARGOS



FINISHES		
Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)
	Only maintained and luminaire models	
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V AC 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES		
Reference	Description	Diagram
KTA Argos	Kit for ceiling-mounted	
KS30 Argos	Kit suspended at 30 cm	
KS100 Argos	Kit suspended at 100 cm	
KBB Argos	Pennant support kit. White.	
KBG Argos	Pennant support kit. Grey.	
KBGP Argos	Pennant support kit. Silver grey.	
KBC Argos	Pennant support kit. Chrome.	
KBD Argos	Pennant support kit. Gold.	
DREF Argos	Opaque diffuser with internal reflection	

Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives) Customised signs and emergency signs supplied to order Check signs and their references in the sign annex.	35%



ARGOS RECESSED

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Argos-M LD N2	1h	NiCd	90	ILM _{LED}
Argos-M LD N3	1h	NiCd	130	ILM _{LED}
Argos-M LD N5	1h	NiCd	220	ILM _{LED}
Argos-M LD N6	1h	NiCd	290	ILM _{LED}
Argos-M LD N8	1h	NiCd	390	ILM _{LED}
Argos-M LD N11	1h	NiCd	460	ILM _{LED}
Argos-M LD 1,5 N8	1,5h	NiCd	315	ILM _{LED}
Argos-M LD 2N5	2h	NiCd	210	ILM _{LED}
Argos-M LD 3N4	3h	NiCd	150	ILM _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Argos-M LD P3	1h	NiMH	90	90	LGP _{LED}
Argos-M LD P6	1h	NiMH	240	300	LGP _{LED}
Argos-M LD 2P3	2h	NiMH	90	90	LGP _{LED}
Argos-M LD 2P6	2h	NiMH	240	300	LGP _{LED}
Argos-M LD 3P3	3h	NiMH	90	90	LGP _{LED}
Argos-M LD 3P4	3h	NiMH	180	300	LGP _{LED}

Argos Recessed A
Argos Recessed TCA
Argos Recessed DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ ^A or DaisaTest centralised management system ☐ ^{TCA}. Fill out the reference with ☐ ^A o ☐ ^{TCA} depending on the model. TEV test control unit for Argos-M TCA: See page 148. Example of order: Argos-M LD N2 A / Argos-M LD N2 TCA.

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Argos-M LD N2 ☐	1h	NiMH	90	ILM _{LED}
Argos-M LD N3 ☐	1h	NiMH	140	ILM _{LED}
Argos-M LD N5 ☐	1h	NiMH	190	ILM _{LED}
Argos-M LD N6 ☐	1h	NiMH	280	ILM _{LED}
Argos-M LD N8 ☐	1h	NiMH	390	ILM _{LED}
Argos-M LD 2N5 ☐	2h	NiMH	220	ILM _{LED}
Argos-M LD 3N4 ☐	3h	NiMH	180	ILM _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained:			Emerg.	Lum.	
Argos-M LD P3 ☐	1h	NiMH	90	90	LGP _{LED}
Argos-M LD P6 ☐	1h	NiMH	240	300	LGP _{LED}
Argos-M LD 2P3 ☐	2h	NiMH	90	90	LGP _{LED}
Argos-M LD 2P6 ☐	2h	NiMH	240	300	LGP _{LED}
Argos-M LD 3P3 ☐	3h	NiMH	90	90	LGP _{LED}
Argos-M LD 3P4 ☐	3h	NiMH	180	300	LGP _{LED}

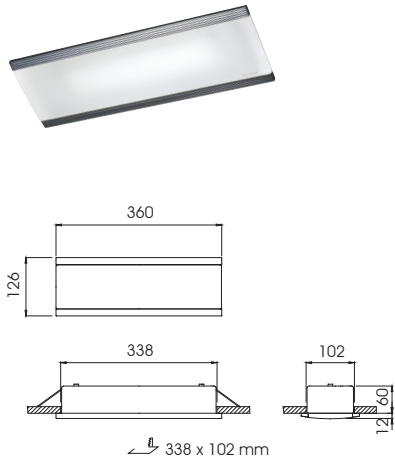
Argos Recessed - Luminaire

Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Argos-M LD L3	See finishes	90	ILM _{LED}	No
Argos-M LD L8	See finishes	300	ILM _{LED}	No
Argos-M LD L3 ELC (1)	See finishes	90	ILM _{LED}	Yes
Argos-M LD L8 ELC (1)	See finishes	300	ILM _{LED}	Yes

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
(1) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Protection rating: IP44 IK04.

ARGOS-M (GR)



FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

Reference	Description	Diagram	Resulting flux
KTDM Argos	Kit for recessed-mounting of the Argos series in ceiling with inspection access.		-----
KTLE Argos	Kit that complements the KTDM Argos kit to support the luminaire on profiles.		-----

MYRA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Myra LD N3	1h	NiCd	150	LMS _{LED}
Myra LD N8	1h	NiCd	320	LMS _{LED}
Myra LD N11	1h	NiCd	500	LMS _{LED}
Myra LD 2N6	2h	NiCd	250	LMS _{LED}
Myra LD 3N4	3h	NiCd	200	LMS _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained (1)			Emerg.	Lum.	
Myra LD P3	1h	NiMH	90	90	LMS _{LED}
Myra LD P6	1h	NiMH	240	400	LMS _{LED}
Myra LD 2P3	2h	NiMH	90	90	LMS _{LED}
Myra LD 2P6	2h	NiMH	240	400	LMS _{LED}
Myra LD 3P3	3h	NiMH	90	90	LMS _{LED}
Myra LD 3P6	3h	NiMH	240	400	LMS _{LED}

Myra A Specifically for Self-test
Myra TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Myra TCA: See page 148
Example of order: Myra LD N3 A / Myra LD N3 TCA

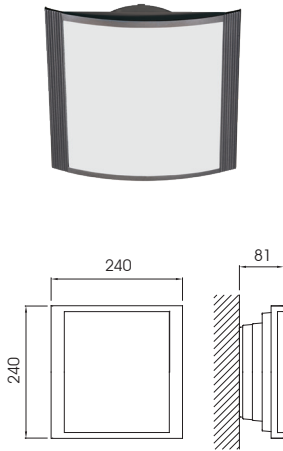
Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Myra LD N3 ☐	1h	NiMH	150	LMS _{LED}
Myra LD N8 ☐	1h	NiMH	320	LMS _{LED}
Myra LD 2N6 ☐	2h	NiMH	250	LMS _{LED}
Myra LD 3N4 ☐	3h	NiMH	200	LMS _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained (1)			Emerg.	Lum.	
Myra LD P3 ☐	1h	NiMH	90	90	ILM _{LED}
Myra LD P6 ☐	1h	NiMH	240	400	ILM _{LED}
Myra LD 2P3 ☐	2h	NiMH	90	90	ILM _{LED}
Myra LD 2P6 ☐	2h	NiMH	240	400	ILM _{LED}
Myra LD 3P3 ☐	3h	NiMH	90	90	ILM _{LED}
Myra LD 3P6 ☐	3h	NiMH	240	400	ILM _{LED}

Myra - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Myra LD L3	See finishes	90	LMS _{LED}	No
Myra LD L8	See finishes	400	LMS _{LED}	No

MYRA SURFACE
MYRA (GR)



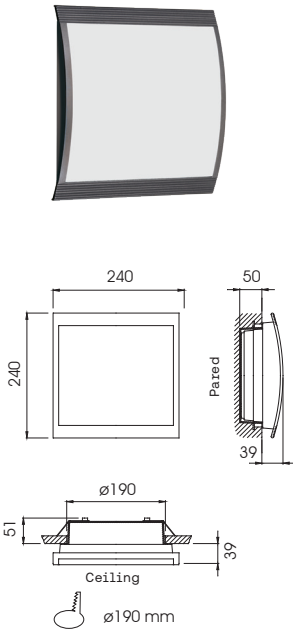
FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V A.C. 50/60Hz 18-30V C.D.	(24V)

ACCESSORIES

Reference	Description	Diagram	Resulting flux
KST IMNS	Semi-recessed mounting box. Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard		100%
KSP IMNS	Semi-recessed mounting box. Suitable for installation in (solid) panel ceilings/walls made of breezeblock, brick, stone...		100%

MYRA SEMI-RECESSED
MYRA (GR) + KSP IMNS OR KST IMNS



Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- (1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available. Not provided with remote control connection.
Self-test (A) maintained devices have a single power supply inlet, EMERG, and cannot be turned off with mains power available. Provided with remote control connection.
Maintained TCA devices have a single power supply inlet - EMERG - and with mains power available can be turned off through the communications bus by means of the DaisaTest system.

Features plug & play and anchoring system.
Protection rating: IP42 IK07.

NORMA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Norma LD N3	1h	NiCd	150	LMSLED
Norma LD N8	1h	NiCd	320	LMSLED
Norma LD N1f	1h	NiCd	500	LMSLED
Norma LD 2N6	2h	NiCd	250	LMSLED
Norma LD 3N4	3h	NiCd	200	LMSLED

Model	Duration	Battery	Lumens		Light source
Maintained (f)			Emerg.	Lum.	
Norma LD P3	1h	NiMH	90	90	LMSLED
Norma LD P6	1h	NiMH	240	400	LMSLED
Norma LD 2P3	2h	NiMH	90	90	LMSLED
Norma LD 2P6	2h	NiMH	240	400	LMSLED
Norma LD 3P3	3h	NiMH	90	90	LMSLED
Norma LD 3P6	3h	NiMH	240	400	LMSLED

Norma A Specifically for Self-test
Norma TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Norma TCA: See page 148 Example of order: Norma LD N3 A / Norma LD N3 TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Norma LD N3 ☐	1h	NiMH	150	LMSLED
Norma LD N8 ☐	1h	NiMH	320	LMSLED
Norma LD 2N6 ☐	2h	NiMH	250	LMSLED
Norma LD 3N4 ☐	3h	NiMH	200	LMSLED

Model	Duration	Battery	Lumens		Light source
Maintained (f)			Emerg.	Lum.	
Norma LD P3 ☐	1h	NiMH	90	90	LMSLED
Norma LD P6 ☐	1h	NiMH	240	400	LMSLED
Norma LD 2P3 ☐	2h	NiMH	90	90	LMSLED
Norma LD 2P6 ☐	2h	NiMH	240	400	LMSLED
Norma LD 3P3 ☐	3h	NiMH	90	90	LMSLED
Norma LD 3P6 ☐	3h	NiMH	240	400	LMSLED

Norma - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Norma LD L3	See finishes	90	LMSLED	No
Norma LD L8	See finishes	400	LMSLED	No

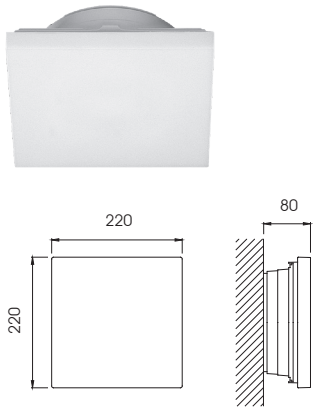
Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

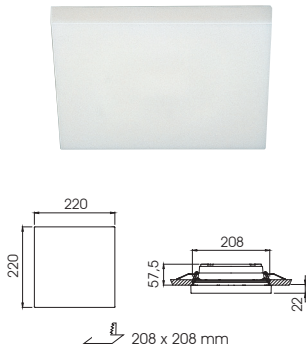
- (f) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available. Not provided with remote control connection.
Self-test (A) maintained devices have a single power supply inlet, EMERG, and cannot be turned off with mains power available. Provided with remote control connection.
Maintained TCA devices have a single power supply inlet - EMERG - and with mains power available can be turned off through the communications bus by means of the DaisaTest system.

Features plug & play and anchoring system.
Protection rating: IP42 IK04.

NORMA SURFACE



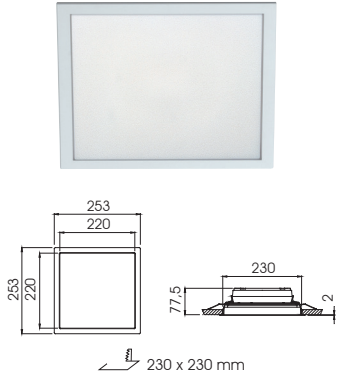
NORMA RECESSED
NORMA + KET NORMA



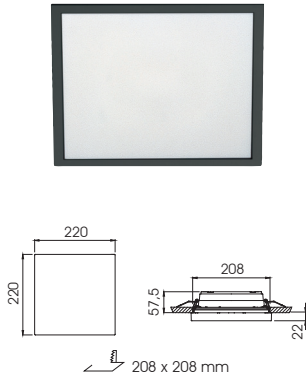
FINISHES		
Finish of	Description	Marking
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

ACCESSORIES			
Reference	Description	Diagram	Resulting flux
KENTB Norma	Kit for flush mounting, white		85%
KENTNE Norma	Kit for flush mounting, black		85%
	Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, plasterboard...		
	Other colours by arrangement with factory		
KET Norma	Kit for recessed mounting Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, plasterboard...		100%
KST IMNS	Semi-recessed mounting box Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, plasterboard...		100%
KSP IMNS	Semi-recessed mounting box Suitable for installation in (solid) panel walls/ceilings made of breezeblock, brick, stone...		100%

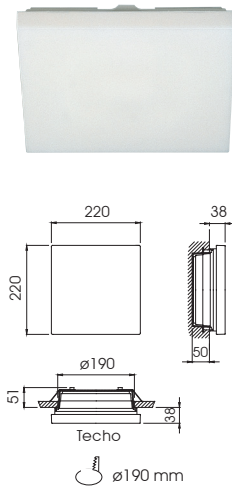
NORMA FLUSH-MOUNTED
EXTERNAL DIMENSIONS 253X253 MM
NORMA + KENTB NORMA



NORMA RECESSED
NORMA + KENTB-Z NORMA



NORMA SEMI-RECESSED
NORMA + KSP IMNS OR KST IMNS



IRIS

Model	Duration	Battery	Lumens		Light source
Non-maintained:					
Iris LD N3	1h	NiCd	150		LMS _{LED}
Iris LD N8	1h	NiCd	320		LMS _{LED}
Iris LD N11	1h	NiCd	500		LMS _{LED}
Iris LD 2N6	2h	NiCd	250		LMS _{LED}
Iris LD 3N4	3h	NiCd	200		LMS _{LED}
Model	Duration	Battery	Lumens		Light source
Maintained: (1)			Emerg.	Lum.	
Iris LD P3	1h	NiMH	90	90	LMS _{LED}
Iris LD P6	1h	NiMH	240	400	LMS _{LED}
Iris LD 2P3	2h	NiMH	90	90	LMS _{LED}
Iris LD 2P6	2h	NiMH	240	400	LMS _{LED}
Iris LD 3P3	3h	NiMH	90	90	LMS _{LED}
Iris LD 3P6	3h	NiMH	240	400	LMS _{LED}

Iris A
Iris TCA

Specifically for Self-test
Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Iris TCA: See page 148
Example of order: Iris LD N3 A / Iris LD N3 TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Iris LD N3 ☐	1h	NiMH	150	LMS _{LED}
Iris LD N8 ☐	1h	NiMH	320	LMS _{LED}
Iris LD 2N6 ☐	2h	NiMH	250	LMS _{LED}
Iris LD 3N4 ☐	3h	NiMH	200	LMS _{LED}

Model	Duration	Battery	Lumens		Light source
Maintained (1)			Emerg.	Lum.	
Iris LD P3 ☐	1h	NiMH	90	90	LMS _{LED}
Iris LD P6 ☐	1h	NiMH	240	400	LMS _{LED}
Iris LD 2P3 ☐	2h	NiMH	90	90	LMS _{LED}
Iris LD 2P6 ☐	2h	NiMH	240	400	LMS _{LED}
Iris LD 3P3 ☐	3h	NiMH	90	90	LMS _{LED}
Iris LD 3P6 ☐	3h	NiMH	240	400	LMS _{LED}

Iris - Luminaire

Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Iris LD L3	See finishes	90	LMS _{LED}	No
Iris LD L8	See finishes	400	LMS _{LED}	No

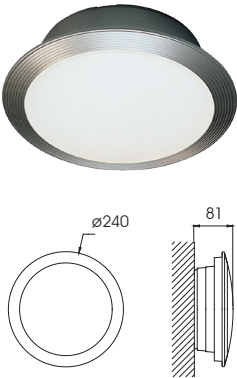
Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

(1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available. Not provided with remote control connection.
Self-test (A) maintained devices have a single power supply inlet, EMERG, and cannot be turned off with mains power available. Provided with remote control connection.
Maintained TCA devices have a single power supply inlet - EMERG - and with mains power available can be turned off through the communications bus by means of the DaisaTest system.

Customised signs and emergency signs supplied to order.
Features plug & play and anchoring system.
Protection rating: IP42 IK07.

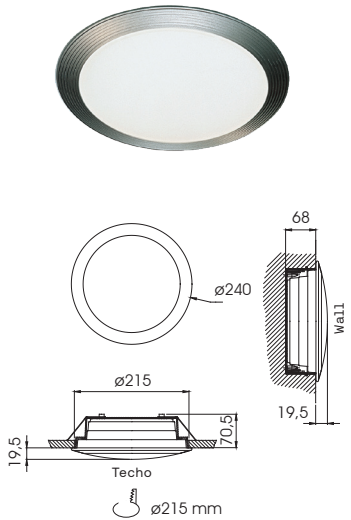
IRIS SURFACE
IRIS (GR)



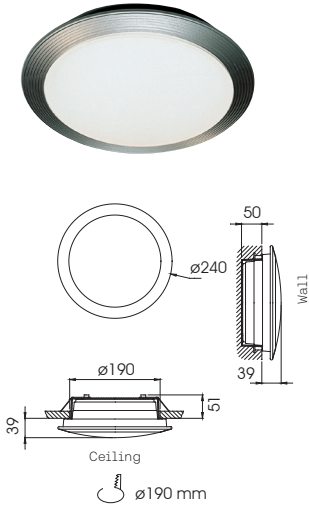
FINISHES		
Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

ACCESSORIES			
Reference	Description	Diagram	Resulting flux
KET Iris	Recessed mounting box Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard		100%
KEP Iris/Sol	Recessed mounting box Suitable for installation in (solid) panel walls made of breezeblock, brick, stone... Not suitable for ceilings		100%
KST IMNS	Semi-recessed mounting box Suitable for installation in (hollow) panel ceilings made of plaster, wood, sheet metal, plasterboard... Not suitable for walls		100%
KSP IMNS	Semi-recessed mounting box Suitable for installation in (solid) panel walls/ceilings made of breezeblock, brick, stone...		100%

IRIS RECESSED
IRIS (GR) + KEP IRIS/SOL OR KET IRIS



IRIS SEMI-RECESSED
IRIS (GR) + KSP IMNS OR KST IMNS



SOL

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Sol LD N3	1h	NiCd	150	LMSLED
Sol LD N8	1h	NiCd	320	LMSLED
Sol LD N11	1h	NiCd	500	LMSLED
Sol LD 2N6	2h	NiCd	250	LMSLED
Sol LD 3N4	3h	NiCd	200	LMSLED

Model	Duration	Battery	Lumens		Light source
Maintained (1)			Emerg.	Lum.	
Sol LD P3	1h	NiMH	90	90	LMSLED
Sol LD P6	1h	NiMH	240	400	LMSLED
Sol LD 2P3	2h	NiMH	90	90	LMSLED
Sol LD 2P6	2h	NiMH	240	400	LMSLED
Sol LD 3P3	3h	NiMH	90	90	LMSLED
Sol LD 3P6	3h	NiMH	240	400	LMSLED

Sol A Specifically for Self-test
Sol TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Sol TCA: See page 148
Example of order: Sol LD N3 A / Sol LD N3 TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Sol LD N3 ☐	1h	NiMH	150	LMSLED
Sol LD N8 ☐	1h	NiMH	320	LMSLED
Sol LD 2N6 ☐	2h	NiMH	250	LMSLED
Sol LD 3N4 ☐	3h	NiMH	200	LMSLED

Model	Duration	Battery	Lumens		Light source
Maintained (t)			Emerg.	Lum.	
Sol LD P3 ☐	1h	NiMH	90	90	LMS _{LED}
Sol LD P6 ☐	1h	NiMH	240	400	LMS _{LED}
Sol LD 2P3 ☐	2h	NiMH	90	90	LMS _{LED}
Sol LD 2P6 ☐	2h	NiMH	240	400	LMS _{LED}
Sol LD 3P3 ☐	3h	NiMH	90	90	LMS _{LED}
Sol LD 3P6 ☐	3h	NiMH	240	400	LMS _{LED}

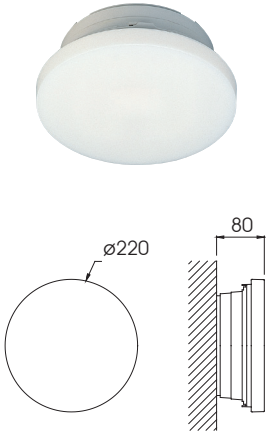
Sol - Luminaire Does not include battery. Luminaire specific function				
Model	Power supply	Lumens	Light source	Communication
Sol LD L3	See finishes	90	LMSLED	No
Sol LD L8	See finishes	400	LMSLED	No

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

(1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available. Not provided with remote control connection.
Self-test (A) maintained devices have a single power supply inlet, EMERG, and cannot be turned off with mains power available. Provided with remote control connection.
Maintained TCA devices have a single power supply inlet - EMERG - and with mains power available can be turned off through the communications bus by means of the DaisaTest system.

Features plug & play and anchoring system.
Protection rating: IP42 IK07.

SOL SURFACE
SOL



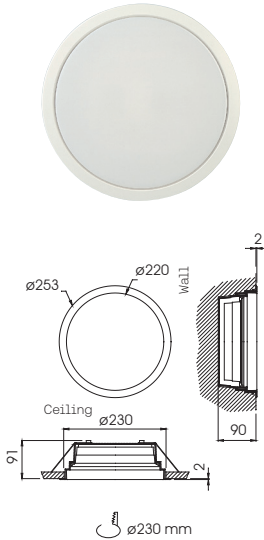
FINISHES

Finish of	Description	Marking
	Cool white (as standard)	-----
LED Colour	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz 110-127V 50/60Hz	----- (110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C. 24V AC 50/60Hz 18-30V DC	----- (24V)

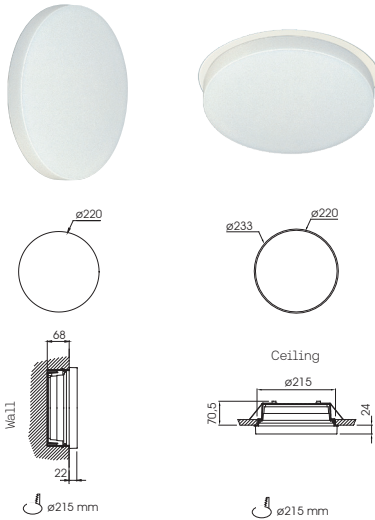
ACCESSORIES

Reference	Description	Diagram	Resulting flux
KENTB Sol KENTGP Sol KENTC Sol KENTN Sol KENTD Sol	Flush-mounting box. White. Flush-mounting box. Silver grey Flush-mounting box. Chrome Flush-mounting box. Nickel Flush-mounting box. Gold		82% 82% 82% 82% 82%
	Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard...		
KTDM Sol	Kit for mounting the flush-fitting box KENT* in metallic ceiling with inspection access.		-----
KTLE Sol	Kit that complements the KTDM Sol kit to support the luminaire on profiles.		-----
KENPB Sol KENPGP Sol KENPC Sol KENPN Sol KENPD Sol	Flush-mounting box. White. Flush-mounting box. Silver grey Flush-mounting box. Chrome Flush-mounting box. Nickel Flush-mounting box. Gold		82% 82% 82% 82% 82%
	Suitable for installation in (solid) panel walls made of breezeblock, brick, stone... Not suitable for ceilings		
KET Sol	Recessed mounting box Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard		100%
KEP Iris/Sol	Recessed mounting box Suitable for installation in (solid) panel walls made of breezeblock, brick, stone... Not suitable for ceilings		100%
KST IMNS	Semi-recessed mounting box Suitable for installation in (hollow) panel ceilings made of plaster, wood, sheet metal, plasterboard... Not suitable for walls		100%
KSP IMNS	Semi-recessed mounting box Suitable for installation in (solid) panel walls/ceilings made of breezeblock, brick, stone...		100%

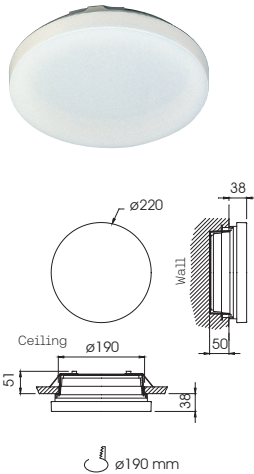
SOL FLUSH-MOUNTED
SOL + KENPB SOL OR KENTB SOL



SOL RECESSED
SOL + KET SOL / SOL + KEP IRIS/SOL



SOL SEMI-RECESSED
SOL + KSP IMNS OR KST IMNS



GALIA SURFACE

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia LD N3	1h	NIMH	120	LGP _{LED}
Galia LD N8	1h	NIMH	300	LGP _{LED}
Galia LD 2N3	2h	NIMH	120	LGP _{LED}
Galia LD 3N3	3h	NIMH	120	LGP _{LED}

Model	Duration	Battery	Lumens	Light source
Maintained (t)			Emerg./Lum.	
Galia LD P3	1h	NIMH	120	LGP _{LED}
Galia LD 2P3	2h	NIMH	120	LGP _{LED}
Galia LD 3P3	3h	NIMH	120	LGP _{LED}

Galia A	Specifically for Self-test
Galia TCA	Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation  or DaisaTest centralised management system  Fill out the reference with  o  depending on the model. TEV test control unit for Galia TCA: See page 148
Example of order: Galia LD N3 A / Galia LD N3 TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia LD N3 	1h	NIMH	120	LGP _{LED}
Galia LD N8 	1h	NIMH	300	LGP _{LED}
Galia LD 2N3 	2h	NIMH	120	LGP _{LED}
Galia LD 3N3 	3h	NIMH	120	LGP _{LED}

Model	Duration	Battery	Lumens	Light source
Maintained (t)			Emerg./Lum.	
Galia LD P3 	1h	NIMH	120	LGP _{LED}
Galia LD 2P3 	2h	NIMH	120	LGP _{LED}
Galia LD 3P3 	3h	NIMH	120	LGP _{LED}

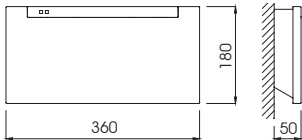
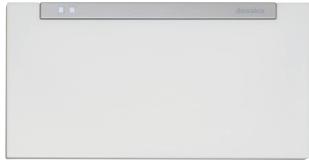
Galia Surface - Luminaire	Does not include battery. Luminaire specific function
---------------------------	---

Model	Power supply	Lumens	Light source	Communication
Galia LD L3	See finishes	120	LGP _{LED}	No
Galia LD L8	See finishes	300	LGP _{LED}	No

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
Protection rating: IP42 IK04.

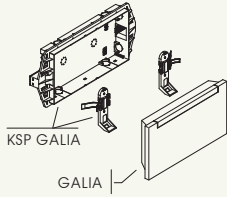
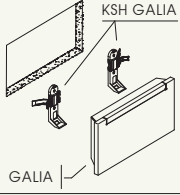
GALIA SURFACE
GALIA



FINISHES

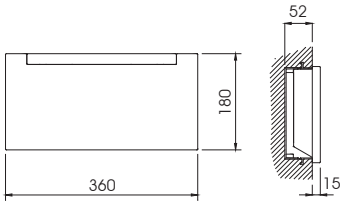
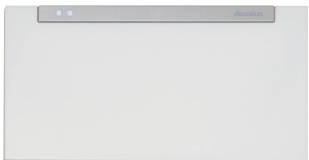
Finish of	Description	Marking
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

ACCESSORIES

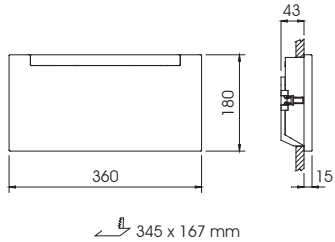
Reference	Description	Diagram	Resulting flux
KSP Galia	Semi-recessed mounting box Suitable for installation in (solid) panel walls made of breezeblock, brick, stone...		100%
KSH Galia	Anchoring kit for Galia Suitable for installation in (solid) panel walls made of breezeblock, brick, stone... Not suitable for ceilings		100%

Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives) Customised signs and emergency signs supplied to order. Check signs and their references in the sign annex.	35%
 SG1210		

GALIA SEMI-RECESSED
GALIA + KSP GALIA



GALIA + KSH GALIA



GALIA CEILING-MOUNTED

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia-AD LD N6	1h	NIMH	240	LGPLED
Galia-AD LD 2N6	2h	NIMH	240	LGPLED
Galia-AD LD 3N6	3h	NIMH	240	LGPLED
Model	Duration	Battery	Lumens	Light source
Maintained (1)			Emerg./Lum.	
Galia-AD LD P6	1h	NIMH	240	LGPLED
Galia-AD LD 2P6	2h	NIMH	240	LGPLED
Galia-AD LD 3P6	3h	NIMH	240	LGPLED

Galia Ceiling-mounted A Specifically for Self-test
Galia Ceiling-mounted TCA Specifically for Self-test and DaisaTest System

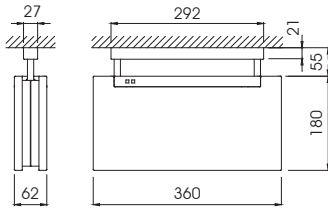
Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Galia-AD TCA: See page 148. Example of order: Galia-AD LD N6 A / Galia-AD LD N6 TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia-AD LD N6 ☐	1h	NIMH	240	LGPLED
Galia-AD LD 2N6 ☐	2h	NIMH	240	LGPLED
Galia-AD LD 3N6 ☐	3h	NIMH	240	LGPLED
Model	Duration	Battery	Lumens	Light source
Maintained (1)			Emerg./Lum.	
Galia-AD LD P6 ☐	1h	NIMH	240	LGPLED
Galia-AD LD 2P6 ☐	2h	NIMH	240	LGPLED
Galia-AD LD 3P6 ☐	3h	NIMH	240	LGPLED

Galia Ceiling-mounted - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Galia-AD LD L6	See finishes	240	LGPLED	No

GALIA CEILING-MOUNTED
GALIA-AD



FINISHES

Finish of	Description	Marking
LED Colour	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

ACCESSORIES

Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives)	(1)
	(1) If one emergency sign is fitted, the resulting flux is 70% With two emergency signs, the resulting flux is 35%	
	Customised signs and emergency signs supplied to order	
	Check signs and their references in the sign annex.	



SG1210

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
Protection rating: IP42 IK04.

GALIA PENNANT

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia-B LD N6	1h	NiMH	240	LGP _{LED}
Galia-B LD 2N6	2h	NiMH	240	LGP _{LED}
Galia-B LD 3N6	3h	NiMH	240	LGP _{LED}
Model	Duration	Battery	Lumens	Light source
Maintained (I)			Emerg./Lum.	
Galia-B LD P6	1h	NiMH	240	LGP _{LED}
Galia-B LD 2P6	2h	NiMH	240	LGP _{LED}
Galia-B LD 3P6	3h	NiMH	240	LGP _{LED}

Galia Pennant A Specifically for Self-test
Galia Pennant TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐A or DaisaTest centralised management system ☐TCA Fill out the reference with ☐A o ☐TCA depending on the model. TEV test control unit for Galia-B TCA: See page 148. Example of order: Galia-B LD N6 A / Galia-B LD N6 TCA

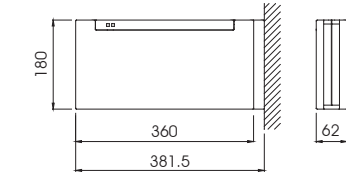
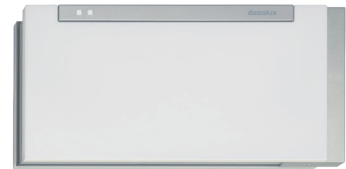
Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia-B LD N6 ☐	1h	NiMH	240	LGP _{LED}
Galia-B LD 2N6 ☐	2h	NiMH	240	LGP _{LED}
Galia-B LD 3N6 ☐	3h	NiMH	240	LGP _{LED}
Model	Duration	Battery	Lumens	Light source
Maintained (I)			Emerg./Lum.	
Galia-B LD P6 ☐	1h	NiMH	240	LGP _{LED}
Galia-B LD 2P6 ☐	2h	NiMH	240	LGP _{LED}
Galia-B LD 3P6 ☐	3h	NiMH	240	LGP _{LED}

Galia Pennant - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Galia-B LD L6	See finishes	240	LGP _{LED}	No

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
Protection rating: IP42 IK04.

GALIA PENNANT GALIA-B



FINISHES

Finish of	Description	Marking
	Cool white (as standard)	-----
LED Colour	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

ACCESSORIES

Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives)	(I)
	(I) If one emergency sign is fitted, the resulting flux is 70% With two emergency signs, the resulting flux is 35% Customised signs and emergency signs supplied to order Check signs and their references in the sign annex.	



SG1210

GALIA SUSPENDED

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia-S LD N6	1h	NIMH	240	LGP _{LED}
Galia-S LD 2N6	2h	NIMH	240	LGP _{LED}
Galia-S LD 3N6	3h	NIMH	240	LGP _{LED}
Model	Duration	Battery	Lumens	Light source
Maintained (1)			Emerg./Lum.	
Galia-S LD P6	1h	NIMH	240	LGP _{LED}
Galia-S LD 2P6	2h	NIMH	240	LGP _{LED}
Galia-S LD 3P6	3h	NIMH	240	LGP _{LED}

Galia Suspended A Specifically for Self-test
Galia Suspended TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ or ☐ depending on the model. TEV test control unit for Galia-S TCA: See page 148. Example of order: Galia-S LD N6 A / Galia-S LD N6 TCA

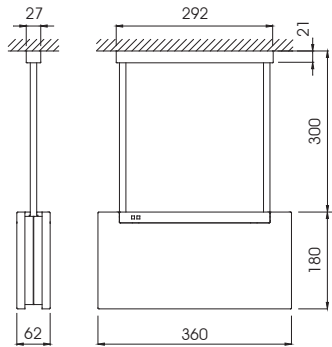
Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Galia-S LD N6 ☐	1h	NIMH	240	LGP _{LED}
Galia-S LD 2N6 ☐	2h	NIMH	240	LGP _{LED}
Galia-S LD 3N6 ☐	3h	NIMH	240	LGP _{LED}
Model	Duration	Battery	Lumens	Light source
Maintained (1)			Emerg./Lum.	
Galia-S LD P6 ☐	1h	NIMH	240	LGP _{LED}
Galia-S LD 2P6 ☐	2h	NIMH	240	LGP _{LED}
Galia-S LD 3P6 ☐	3h	NIMH	240	LGP _{LED}

Galia Suspended - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Galia-S LD L6	See finishes	240	LGP _{LED}	No

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
Protection rating: IP42 IK04.

GALIA SUSPENDED
GALIA-S



FINISHES

Finish of	Description	Marking
	Cool white (as standard)	-----
	Warm white Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

ACCESSORIES

Ref.	Description	Resulting flux
SG...	Emergency signs. (Adhesives)	(1)
	(1) If one emergency sign is fitted, the resulting flux is 70% With two emergency signs, the resulting flux is 35% Customised signs and emergency signs supplied to order Check signs and their references in the sign annex.	



ORTO SURFACE

00000000-0000-0000-0000

Model	Location	Station	Location	Light source	λ
Non-magnetized					
2000-01-01-2000-01-01	2	2000	20	2000	2000
2000-01-01-2000-01-01	2	2000	20	2000	2000
2000-01-01-2000-01-01	2	2000	20	2000	2000
2000-01-01-2000-01-01	2	2000	20	2000	2000

Model	Location	Station	Location	Light source	λ
Monochromator			Strahlungsquelle		
1000-1200 nm	20	1000	20	1000 nm	1000 nm
1200-1400 nm	20	1200	20	1200 nm	1200 nm
1400-1600 nm	20	1400	20	1400 nm	1400 nm

[illegible]

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Model	Duration	Reflex	Latency	Light source	LED	Total
Non-magnifying						
2000-01-01-2000-01-01	0	0.00	0.00	0.00	0.00	0.00
2000-01-01-2000-01-01	0	0.00	0.00	0.00	0.00	0.00
2000-01-01-2000-01-01	0	0.00	0.00	0.00	0.00	0.00
2000-01-01-2000-01-01	0	0.00	0.00	0.00	0.00	0.00

Model	Duration	Reliability	Capacity	Cost	Efficiency	Flexibility
Model A	10 years	95%	1000 units	\$100k	80%	High
Model B	15 years	90%	1200 units	\$120k	75%	Medium
Model C	20 years	85%	1400 units	\$140k	70%	Low

Site Surface Condition ☐ Does not include building, landscape, or other features.

Model	Flow supply	System	High pressure	Concentration	α
1000000	1000000	100	1000	100	1000000
1000000	1000000	100	1000	100	1000000
1000000	1000000	100	1000	100	1000000
1000000	1000000	100	1000	100	1000000
1000000	1000000	100	1000	100	1000000

KEY WORDS: *Staphylococcus aureus*; *Staphylococcus epidermidis*; *Staphylococcus saprophyticus*; *Staphylococcus sciuri*; *Staphylococcus carnosus*; *Staphylococcus hyicus*; *Staphylococcus saprocyticus*; *Staphylococcus epidermidis*; *Staphylococcus aureus*; *Staphylococcus saprophyticus*; *Staphylococcus sciuri*; *Staphylococcus carnosus*; *Staphylococcus hyicus*; *Staphylococcus saprocyticus*

RECEIVED

Product	Description	Weight	Handling Fee	Q
Midweight computer	Midweight computer, 100 pounds	100	\$25	100
	Mid-weight computer	25	\$25	200
Power supply				
Self-contained	Self-contained computer	100		100
	Self-contained computer	25	\$25	100
Unpowered	Self-contained computer, 100 pounds	100		100
	Self-contained computer, 25 pounds	25		100

012000-1985

Ref	Description	Reading Ref	E
10	Chromosome map, 2000	10	100



DISCONTINUED

CARRIL

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Carril LD N5	1h	NiMH	240	ILMLED
Carril LD 2N5	2h	NiMH	240	ILMLED
Carril LD 3N4	3h	NiMH	200	ILMLED

Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Carril LD P5	1h	NiMH	200	ILMLED

Carril A
Carril TCA
Carril DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ ☐ ☐ depending on the model. TEV test control unit for Carril TCA: See page 148. Example of order: Carril LD N5 A / Carril LD N5 TCA / Carril LD N5 DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Carril LD N5 ☐	1h	NiMH	240	ILMLED
Carril LD 2N5 ☐	2h	NiMH	240	ILMLED
Carril LD 3N4 ☐	3h	NiMH	200	ILMLED

Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Carril LD P5 ☐	1h	NiMH	200	ILMLED

Carril - Luminaire ☐ Does not include battery. Luminaire special function

Model	Power supply	Lumens	Light source	Communication
Carril LD L5	See table below	200	ILMLED	No

FINISHES

Finish of	Description	Marking
Colour	White	(B)
	Silver grey	(RAL9006)
	Black	(N)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC	(24V)

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

Daisalux provides a universal fastening system using a single component with two positions which enables fitting on the majority of electric rails on the market.

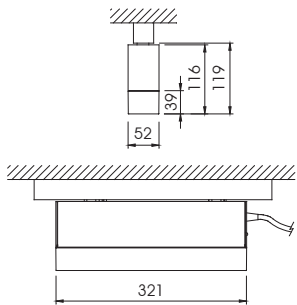
- The Carril Series comes without connector.
- The conduit is factory-mounted. It consists of four wires:
- Blue/brown (power supply).
- Black/grey (remote control)

The external colour of the conduit is:

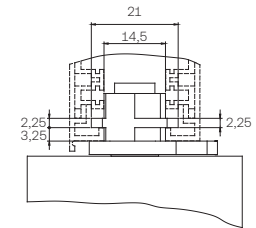
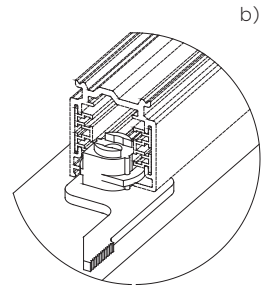
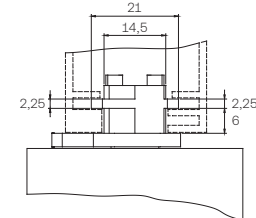
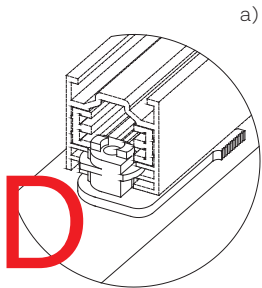
- White: When the selected finish of the device is white.
- Black: When the selected finish of the device is black/silver grey.

Protection rating: IP20 IK04.

CARRIL



ANCHORING SYSTEM



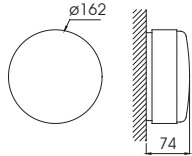
LUNA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Luna LD N3	1h	NiCd	150	ILMLED

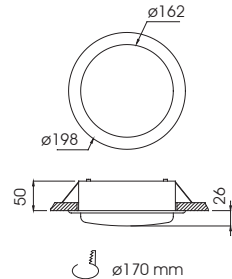
ACCESSORIES

Reference	Description	Diagram	Resulting flux
KET Luna	Recessed mounting box	KET LUNA	100%
	Suitable for installation in (hollow) panel ceilings/walls made of plaster, wood, sheet metal, plasterboard...	LUNA	

LUNA SURFACE
LUNA



LUNA CEILING/WALL RECESSED
LUNA + KET LUNA



Operation, shared data and notes:
The Luna Series comes in white.
Protection rating: Luna LD IP42 IK04.

WATERTIGHT FITTING

Watertight fitting A
Watertight fitting TCA
Watertight fitting DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ o ☐ depending on the model. TEV test control unit for Estanca TCA: See page 148
Example of order: Estanca LD N6 A / Estanca LD N6 A TCA

Model	Duration	Battery	Lumens	Format
Non-maintained:				
Estanca LD-20 N10 ☐	1h	LiFePO ₄	750	600 mm
Estanca LD-20 N24 ☐	1h	LiFePO ₄	1500	600 mm
Estanca LD-20 2N7 ☐	2h	LiFePO ₄	450	600 mm
Estanca LD-20 2N14 ☐	2h	LiFePO ₄	1000	600 mm
Estanca LD-20 3N12 ☐	3h	LiFePO ₄	750	600 mm
Estanca LD-40 N10 ☐	1h	LiFePO ₄	900	1200mm
Estanca LD-40 N24 ☐	1h	LiFePO ₄	1800	1200 mm
Estanca LD-40 2N7 ☐	2h	LiFePO ₄	600	1200 mm
Estanca LD-40 2N14 ☐	2h	LiFePO ₄	1100	1200 mm
Estanca LD-40 3N12 ☐	3h	LiFePO ₄	900	1200 mm

Model	Duration	Battery	Lumens	Format
Maintained (†)				
Estanca LD-20 P10 ☐	1h	LiFePO ₄	750	1500
Estanca LD-20 P24 ☐	1h	LiFePO ₄	1500	1500
Estanca LD-20 2P14 ☐	2h	LiFePO ₄	1000	1500
Estanca LD-20 2P7 ☐	2h	LiFePO ₄	450	1500
Estanca LD-20 3P12 ☐	3h	LiFePO ₄	750	1500
Estanca LD-40 P10 ☐	1h	LiFePO ₄	900	4000
Estanca LD-40 P24 ☐	1h	LiFePO ₄	1800	4000
Estanca LD-40 2P7 ☐	2h	LiFePO ₄	600	4000
Estanca LD-40 2P14 ☐	2h	LiFePO ₄	1100	4000
Estanca LD-40 3P12 ☐	3h	LiFePO ₄	900	4000

DALI maintained models dimmable in the presence of mains (Dimming).

FINISHES		
Finish of	Description	Marking
LED colour (only maintained)	Cool white 6500K	(-----)
	Neutral white 4000K	(NW)
	Warm white 3000K	(WW)
Housing	Polycarbonate / 850°C	(-----)
	Polyester + fiberglass / 850°C	(PET)
Diffuser	Polycarbonate Opal / IK08 / 850°C	(-----)
	Methacrylate / IK03 / 650°C	(PMMA)
Closures	Methacrylate	(-----)
	Polyamide	(PA)
Along with the luminaire, a kit is supplied with the necessary accessories for its assembly.		

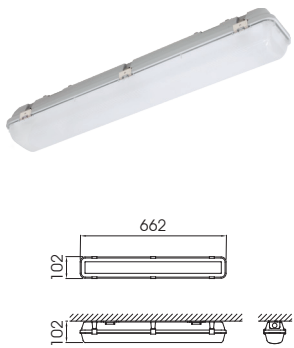
Operation, shared data and notes:

The emergency luminaires equipped with LiFePO4 battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

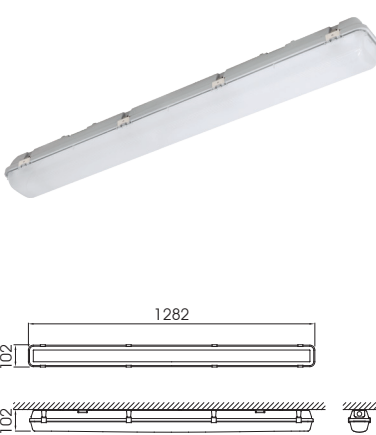
Suitable for outdoor use under roofs.

Protection rating: IP66 IK03/IK08 as per selected finish

WATERTIGHT FITTING 600



WATERTIGHT FITTING 1200



EXPLOSION-PROOF

EXPLOSION-PROOF

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Antideflagrante LD N6	1h	NIMH	300	ILMLED
Antideflagrante LD N12	1h	NIMH	600	ILMLED
Antideflagrante LD 2N6	2h	NIMH	300	ILMLED
Antideflagrante LD 2N12	2h	NIMH	600	ILMLED
Antideflagrante LD 3N6	3h	NIMH	300	ILMLED
Antideflagrante LD 3N10	3h	NIMH	500	ILMLED

Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Antideflagrante LD P6	1h	NIMH	300	ILMLED
Antideflagrante LD P12	1h	NIMH	600	ILMLED
Antideflagrante LD 2P6	2h	NIMH	300	ILMLED
Antideflagrante LD 2P12	2h	NIMH	600	ILMLED
Antideflagrante LD 3P6	3h	NIMH	300	ILMLED
Antideflagrante LD 3P10	3h	NIMH	500	ILMLED

Antideflagrante A
Antideflagrante TCA

Specifically for Self-test
Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ o ☐ depending on the model. TEV test control unit for Antideflagrante TCA: See page 148
Example of order: Antideflagrante LD N6 A / Antideflagrante LD N6 A TCA

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Antideflagrante LD N6 ☐	1h	NIMH	300	ILMLED
Antideflagrante LD N12 ☐	1h	NIMH	600	ILMLED
Antideflagrante LD 2N6 ☐	2h	NIMH	300	ILMLED
Antideflagrante LD 2N12 ☐	2h	NIMH	600	ILMLED
Antideflagrante LD 3N6 ☐	3h	NIMH	300	ILMLED
Antideflagrante LD 3N10 ☐	3h	NIMH	500	ILMLED

Model	Duration	Battery	Lumens	Light source
Maintained:			Emerg./Lum.	
Antideflagrante LD P6 ☐	1h	NIMH	300	ILMLED
Antideflagrante LD P12 ☐	1h	NIMH	600	ILMLED
Antideflagrante LD 2P6 ☐	2h	NIMH	300	ILMLED
Antideflagrante LD 2P12 ☐	2h	NIMH	600	ILMLED
Antideflagrante LD 3P6 ☐	3h	NIMH	300	ILMLED
Antideflagrante LD 3P10 ☐	3h	NIMH	500	ILMLED

Antideflagrante - Luminaire

Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Antideflagrante LD L6	See table below	300	ILMLED	No
Antideflagrante LD L12	See table below	600	ILMLED	No
Antideflagrante LD L6 ELC (†)	See table below	300	ILMLED	Yes
Antideflagrante LD L12 ELC (†)	See table below	600	ILMLED	Yes

FINISHES			
Finish of	Description	Marking	€
Power supply			
Self-contained	220-230V 50/60Hz	-----	-----
	110-127V 50/60Hz	(110-127V)	-----
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)	-----

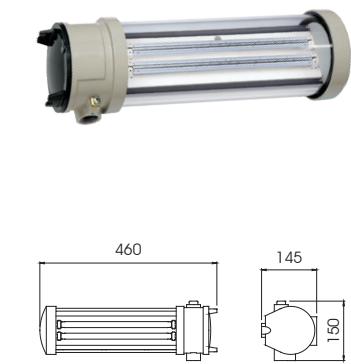
Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

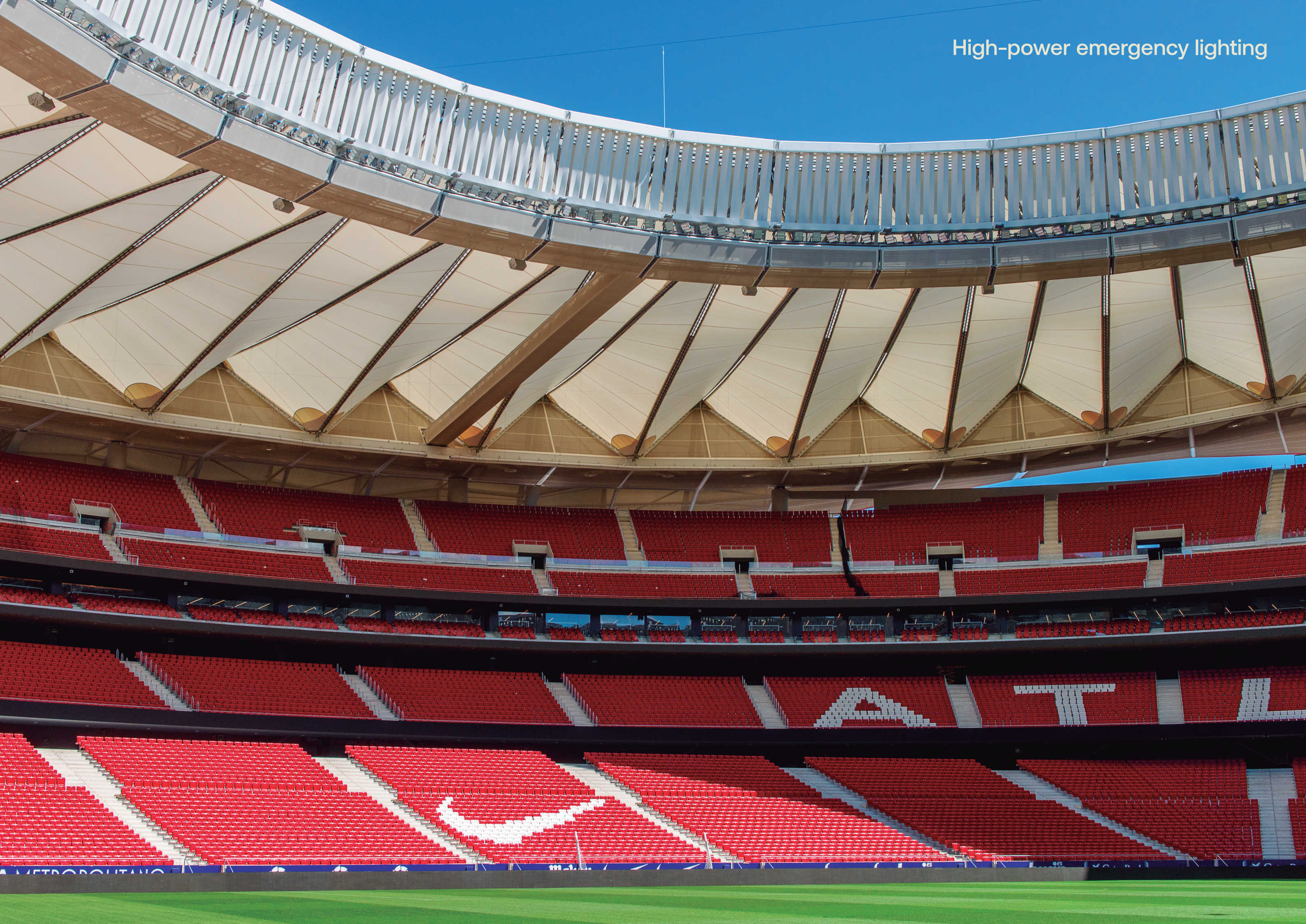
Built according to UNE-EN 60598-2-22 (IEC 60598-2-22), UNE-EN 60079-0, UNE-EN 60079-1, UNE-EN 60079-31, UNE-EN 60598-1 (IEC 60598-1) standards. CE Type Examination Certificate LOM 03ATEX2112 X according to Directive 2014/34/EU.

(†) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Protection ratina: IP67 IK04. Classification: II2G Ex d IIC T6 Gb - II2D Ex tb IIIC T85 °C Db.



High-power emergency lighting



High-power emergency lighting

ATRIA_{p.74}

ZENIT PL_{p.76}

ZENIT_{p.78}

ZENIT WATERTIGHT_{p.80}

Atria A
Atria TCA
Atria DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ ☐ ☐ depending on the model. TEV test control unit for Atria TCA: See page 148. Example of order: Atria N22 A / Atria N22 TCA / Atria N22 DALI

Model	Mounting height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Atria N22 ☐	5 to 20	1h	LiFePO4	1000	MHBLED
Atria N48 ☐	5 to 20	1h	LiFePO4	2500	MHBLED
Atria 2N22 ☐	5 to 20	2h	LiFePO4	1000	MHBLED
Atria 2N48 ☐	5 to 20	2h	LiFePO4	2200	MHBLED
Atria 3N22 ☐	5 to 20	3h	LiFePO4	1000	MHBLED
Atria 3N28 ☐	5 to 20	3h	LiFePO4	1600	MHBLED

Model	Mounting height (m)	Duration	Battery	Lumens		Light source
Maintained (t)				Emerg.	Lum.	
Atria P22 ☐	5 to 20	1h	LiFePO4	1000	1000	MHBLED
Atria P48 ☐	5 to 20	1h	LiFePO4	2500	1000	MHBLED
Atria 2P22 ☐	5 to 20	2h	LiFePO4	1000	1000	MHBLED
Atria 2P48 ☐	5 to 20	2h	LiFePO4	2200	1000	MHBLED
Atria 3P22 ☐	5 to 20	3h	LiFePO4	1000	1000	MHBLED
Atria 3P28 ☐	5 to 20	3h	LiFePO4	1600	1000	MHBLED

Atria - Luminaire

Does not include battery. Luminaire specific function

Model	Mounting height (m)	Power supply	Lumens	Light source	Communication
Atria L22	5 to 20	See finishes	1000	MHBLED	No
Atria L48	5 to 20	See finishes	2500	MHBLED	No
Atria L22 ELC (2)	5 to 20	See finishes	1000	MHBLED	Yes
Atria L48 ELC (2)	5 to 20	See finishes	2500	MHBLED	Yes

Atria AEX A
Atria AEX TCA
Atria AEX DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ ☐ ☐ depending on the model. TEV test control unit for Atria TCA: See page 148. Example of order: Atria N22 A / Atria N22 TCA / Atria N22 DALI

Model	Mounting height (m)	Duration	Battery	Lumens		Light source
Maintained (1)				Emerg.	Lum.	
Atria P48 AEX ☐	5 to 20	1h	LiFePO4	2300	900	MHBLED
Atria 2P48 AEX ☐	5 to 20	2h	LiFePO4	2000	900	MHBLED
Atria 3P28 AEX ☐	5 to 20	3h	LiFePO4	1500	900	MHBLED

Atria AEX - Luminaire

Does not include battery. Luminaire specific function

Model	Mounting height (m)	Power supply	Lumens	Communication	Light source
Atria L48 AEX ☐	5 to 20	See finishes	2300	No	MHBLED
Atria L48 AEX ELC ☐	5 to 20	See finishes	2300	Yes	MHBLED

Operation, shared data and notes:

The emergency luminaires equipped with LiFePO4 battery technology include a pulse-load microprocessing system that enables an considerable reduction of energy consumption.

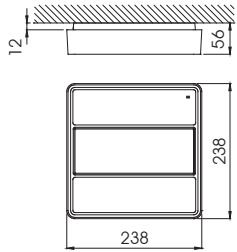
The maintained models have an Eco-maintained function.

- (1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will with 1000 lumens.
- (2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.
Protection rating IP43 IK04 / KES Atria and Atria AEX IP66 IK10

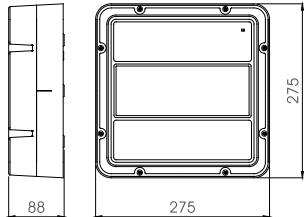
ATRIA SURFACE

ATRIA N48 (RAL9006)



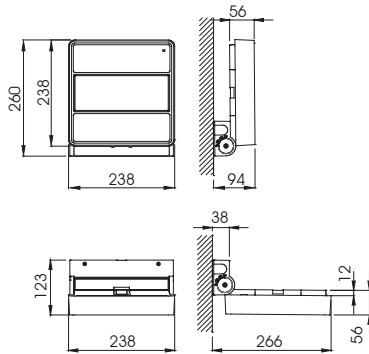
ATRIA AEX (ALL WEATHER)

ATRIA P48 AEX A (AT)



ATRIA SURFACE

ATRIA N48 (GR) + KPGR ATRIA



FINISHES		
Finish of	Description	Marking
Optical group	Open area Ceiling	(AT)
	Open area Wall	(AP)
	Escape route Ceiling/Wall	(EVC)
Colour	White	(B)
	Silver grey	(RAL9006)
	Dark metallic grey	(GR)
LED Colour	Cool white (as standard)	(-----)
	Warm white. The luminous flux is reduced by 20% Only maintained and luminaire models	(WW)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES			
Reference	Description	Diagram	Resulting flux
KPB Atria KPGP Atria KPGR Atria	White Silver grey Dark metallic grey Accessory for adjusting the angle Suitable for walls and ceilings		----- ----- -----
KAV Atria	Protection kit in a transparent synthetic material. Increases the protection rating to IK10		90%
KES Atria	Watertight housing IP66 IK10		90%
KPKES30 Atria	Stainless steel mounting accessory for KES ATRIA installation at a 30° wall angle.		-----

ZENIT PL

Zenit PL A Specifically for Self-test
Zenit PL TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation  DaisaTest centralised management system  or connection with DALI central  Fill out the reference with    depending on the model. TEV test control unit for Zenit PL TCA: See page 148. Example of order: ZP2 LD-N22 A / ZP2 LD-N22 TCA

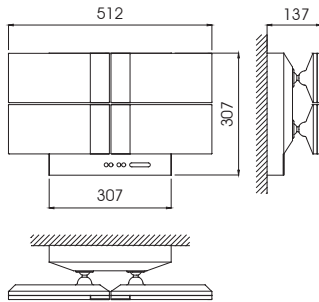
Model	Mounting height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
ZP2 LD-N22 	5 to 20	1h	NiMH	1000	2 x PLLED
ZG4 LD-N22 	5 to 20	1h	NiMH	1000	4 x PLLED
ZG4 LD-N48 	5 to 20	1h	NiMH	2400	4 x PLLED
ZP2 LD-2Ni4 	5 to 20	2h	NiMH	700	2 x PLLED
ZG4 LD-2N30 	5 to 20	2h	NiMH	1500	4 x PLLED
ZP2 LD-3Ni0 	5 to 20	3h	NiMH	500	2 x PLLED
ZG4 LD-3N22 	5 to 20	3h	NiMH	1100	4 x PLLED

Zenit PL - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
ZP2 LD-L22	110-240V A.C. 50/60Hz 170-320V D.C.	1000	2 x PLLED	No
ZG4 LD-L48	110-240V A.C. 50/60Hz 170-320V D.C.	2400	4 x PLLED	No
ZP2 LD-L22 ELC (i)	110-240V A.C. 50/60Hz 170-320V D.C.	1000	2 x PLLED	Yes
ZG4 LD-L48 ELC (i)	110-240V A.C. 50/60Hz 170-320V D.C.	2400	4 x PLLED	Yes

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
(i) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.
Protection rating: IP42 IK04.

LARGE FOUR-LAMP ZENIT: ZG4
ZG4 (GR)



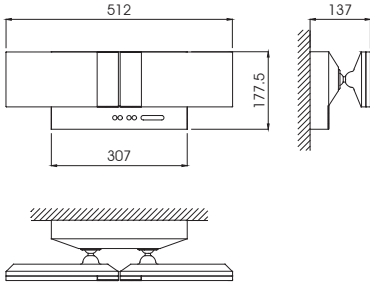
FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)

ACCESSORIES

Reference	Description	Diagram
KPG Zenit	Accessory for installing Zenit and Zenit PL series projectors (large model) on surfaces that are irregular or under L x H = 270 x 215 mm in size, where the three points on the tie plate cannot be fixed.	
KPP Zenit	Accessory for installing Zenit and Zenit PL series projectors (small model) on surfaces that are irregular or under L x H = 150 x 215 mm in size, where the three points on the tie plate cannot be fixed.	

SMALL DUAL LAMP ZENIT PL: ZP2
ZP2 (GR)



Zenit A Specifically for Self-test
Zenit TCA Specifically for Self-test and DaisaTest System

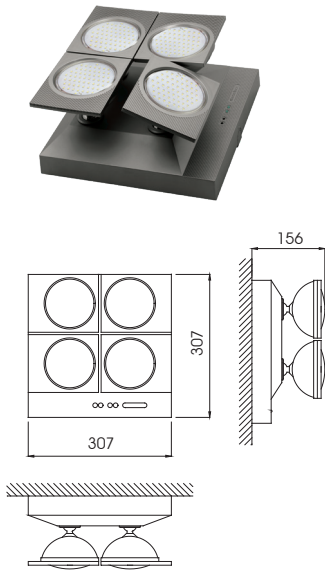
Includes microprocessor for Self-test mode operation [A], DaisaTest centralised management system [TCA] or connection with DALI central [DALI]. Fill out the reference with [A], [TCA] or [DALI] depending on the model. TEV test control unit for Zenit TCA: See page 144. Example of order: Z LD-2311P A / Z LD-2311P TCA

Model	Mounting height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Z LD-2311P []	5 to 20	1h	NiMH	620	2 x LED (PAR 36)
Z LD-4321G []	5 to 20	1h	NiMH	1240	4 x LED (PAR 36)
Z LD-2321P []	5 to 20	2h	NiMH	620	2 x LED (PAR 36)
Z LD-4341G []	5 to 20	2h	NiMH	1240	4 x LED (PAR 36)
Z LD-2341P []	5 to 20	3h	NiMH	620	2 x LED (PAR 36)
Z LD-4371G []	5 to 20	3h	NiMH	1240	4 x LED (PAR 36)

Zenit - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Z LD-P L12	110-240V A.C. 50/60Hz 170-320V D.C.	620	LED (PAR 36)	No
Z LD-G L25	110-240V A.C. 50/60Hz 170-320V D.C.	1240	LED (PAR 36)	No
Z LD-P L12 ELC (†)	110-240V A.C. 50/60Hz 170-320V D.C.	620	LED (PAR 36)	Yes
Z LD-G L25 ELC (†)	110-240V A.C. 50/60Hz 170-320V D.C.	1240	LED (PAR 36)	Yes

LARGE FOUR-LAMP ZENIT:
Z LD-4***G (GR)



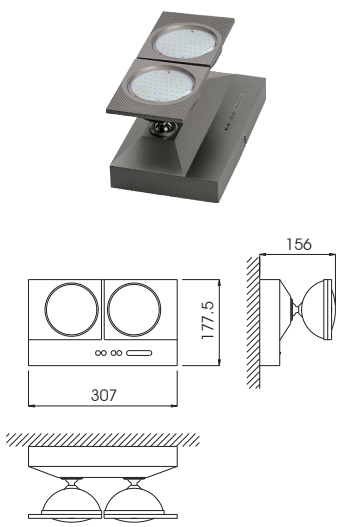
FINISHES

Finish of	Description	Marking
	White (as standard)	-----
Colour	Dark metallic grey	(GR)
	Silver grey	(RAL9006)

ACCESSORIES

Reference	Description	Diagram
KPG Zenit	Accessory for installing Zenit and Zenit PL series projectors (large model) on surfaces that are irregular or under L x H = 270 x 215 mm in size, where the three points on the tie plate cannot be fixed.	
KPP Zenit	Accessory for installing Zenit and Zenit PL series projectors (small model) on surfaces that are irregular or under L x H = 150 x 215 mm in size, where the three points on the tie plate cannot be fixed.	

SMALL DUAL LAMP ZENIT PL:
Z LD-2***P (GR)



Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
Features plug & play and anchoring system.
(†) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Protection rating: IP42 IK04.

ZENIT WATERTIGHT

Zenit Watertight A Specifically for Self-test
Zenit Watertight TCA Specifically for Self-test and DaisaTest System
Zenit Watertight DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation [A], DaisaTest centralised management system [24] or connection with DALI central [24] Fill out the reference with [A] [24] ó [24] depending on the model. TEV test control unit for Zenit Watertight TCA: See page 148 Example of order: Zes LD N12 A / Zes LD N12 TCA / Zes LD N12 DALI

Model	Mounting height (m)	Duration	Battery	Lumens	Light source
Non-maintained:					
Zes LD N12 []	5 to 20	1h	NIMH	600	1 x PLLED
Zes LD N24 []	5 to 20	1h	NIMH	1500	2 x PLLED
Zes LD 2N12 []	5 to 20	2h	NIMH	600	1 x PLLED
Zes LD 2N22 []	5 to 20	2h	NIMH	1300	2 x PLLED
Zes LD 3N11 []	5 to 20	3h	NIMH	500	1 x PLLED
Zes LD 3N20 []	5 to 20	3h	NIMH	1000	2 x PLLED

Model	Mounting height (m)	Duration	Battery	Lumens		Light source
Maintained (1)				Emerg.	Lum.	
Zes LD P12 	5 to 20	1h	NiMH	750	400	1 x PLLED
Zes LD P24 	5 to 20	1h	NiMH	1500	400	2 x PLLED
Zes LD 2P12 	5 to 20	2h	NiMH	600	400	1 x PLLED
Zes LD 2P22 	5 to 20	2h	NiMH	1300	400	2 x PLLED
Zes LD 3P11 	5 to 20	3h	NiMH	500	400	1 x PLLED
Zes LD 3P20 	5 to 20	3h	NiMH	1000	400	2 x PLLED

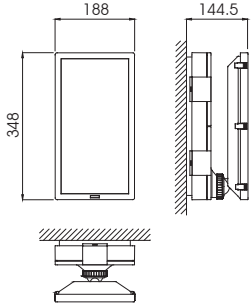
Zenit Watertight - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Zes LD L12	110-240V A.C. 50/60Hz 170-320V D.C.	750	1 x PLLED	No
Zes LD L24	110-240V A.C. 50/60Hz 170-320V D.C.	1500	2 x PLLED	No
Zes LD L12 ELC (2)	110-240V A.C. 50/60Hz 170-320V D.C.	750	1 x PLLED	Yes
Zes LD L24 ELC (2)	110-240V A.C. 50/60Hz 170-320V D.C.	1500	2 x PLLED	Yes

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
(1) Maintained models have a separate connection to the mains that enables turning the luminaire on/off at will.
(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.
Protection rating: IP65 IK04.

ZENIT WATERTIGHT
ZES

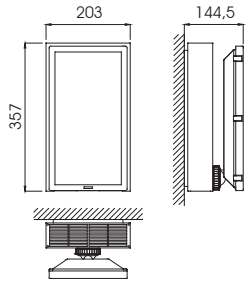


Dimensions for indoor IP65 installation

FINISHES			
Finish of	Description	Marking	Resulting flux
Application	IP65 Indoors (as standard)	-----	100%
	IP65 Outdoors	(AEX)	100%
	Installation to be used for semi-covered and outdoor applications. Projector equipped with an aluminium shield that minimises the negative effects of direct solar radiation.		

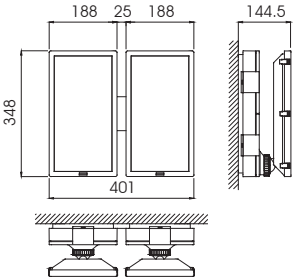
ACCESSORIES			
Reference	Description	Diagram	Resulting flux
ZES-AP	Plate for grouping spotlights.		100%
	The ZES-AP accessory permits joining two or more devices perfectly aligned and equidistant.		
	Not suitable for AEX finish		

ZENIT WATERTIGHT
ZES (AEX)



Dimensions for indoor IP65 installation

ZENIT WATERTIGHT DOUBLE
2 ZES + ZES-AP



Dimensions for indoor IP65 installation

Exit Signage Luminaires



IKUS_{p.86}

IKUS2222_{p.88}

IKUS2211_{p.90}

IKUSMET2211_{p.92}

VIRSC1608_{p.94} VIR_{p.96}

VIR2121_{p.98} VIR1616_{p.100}

LISU_{p.102}

IKUS 320X160

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikus-T P	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus-R P (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus-M P	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikus-S P	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikus-P P	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus-B P	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikus-T 1,5P	Ceiling-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus-R 1,5P	Track-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus-M 1,5P	Ceiling-recessed	1,5h	LiFePO ₄	ILM _{LED}
Ikus-S 1,5P	Suspended	1,5h	LiFePO ₄	ILM _{LED}
Ikus-P 1,5P	Wall-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus-B 1,5P	Wall-mounted pennant	1,5h	LiFePO ₄	ILM _{LED}

Ikus 320x160 A Specifically for Self-test
Ikus 320x160 TCA Specifically for Self-test and DaisaTest System
Ikus 320x160 DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation . DaisaTest centralised management system  or connection with DALI central  Fill out the reference with ,  or  depending on the model. TEV test control unit for Ikus 320x160 TCA: See page 148. Example of order: Ikus-T P A / Ikus-T P TCA / Ikus-T P DALI

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikus-T P 	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus-R P  (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus-M P 	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikus-S P 	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikus-P P 	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus-B P 	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikus-T 2P 	Ceiling-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus-R 2P  (2)	Track-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus-M 2P 	Ceiling-recessed	2h	LiFePO ₄	ILM _{LED}
Ikus-S 2P 	Suspended	2h	LiFePO ₄	ILM _{LED}
Ikus-P 2P 	Wall-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus-B 2P 	Wall-mounted pennant	2h	LiFePO ₄	ILM _{LED}
Ikus-T 3P 	Ceiling-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus-R 3P  (2)	Track-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus-M 3P 	Ceiling-recessed	3h	LiFePO ₄	ILM _{LED}
Ikus-S 3P 	Suspended	3h	LiFePO ₄	ILM _{LED}
Ikus-P 3P 	Wall-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus-B 3P 	Wall-mounted pennant	3h	LiFePO ₄	ILM _{LED}

Ikus 320x160 - Luminaire Does not include battery. Luminaire specific function

Model	Mounting	Power supply	Light source	Communication
Ikus-T L	Ceiling-mounted	See finishes	ILM _{LED}	No
Ikus-M L	Ceiling-recessed	See finishes	ILM _{LED}	No
Ikus-S L	Suspended	See finishes	ILM _{LED}	No
Ikus-P L	Wall-mounted	See finishes	ILM _{LED}	No
Ikus-B L	Wall-mounted pennant	See finishes	ILM _{LED}	No
Ikus-T L ELC (3)	Ceiling-mounted	See finishes	ILM _{LED}	Yes
Ikus-M L ELC (3)	Ceiling-recessed	See finishes	ILM _{LED}	Yes
Ikus-S L ELC (3)	Suspended	See finishes	ILM _{LED}	Yes
Ikus-P L ELC (3)	Wall-mounted	See finishes	ILM _{LED}	Yes
Ikus-B L ELC (3)	Wall-mounted pennant	See finishes	ILM _{LED}	Yes

Operation, shared data and notes:

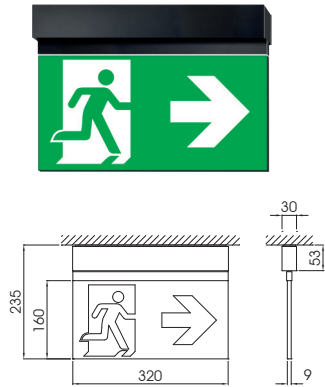
The emergency luminaires equipped with LiFePO₄ battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- (1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available.
- (2) Track-mounted models:
- Do not have an independent input for LUM, remaining always on. DALI models can be turned off via a DALI command.
 - Not available in TCA references; if required, please contact Daisalux.
 - A references do not have a remote control input.
 - Suitable only for three-phase tracks. Adapter included. Check track compatibility with Daisalux.
- (3) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Protection rating: IP65 IK04 / Ikus Track-mounted IP20 IK04

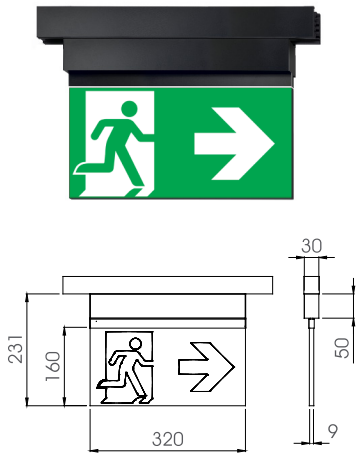
IKUS CEILING-MOUNTED

IKUS-T



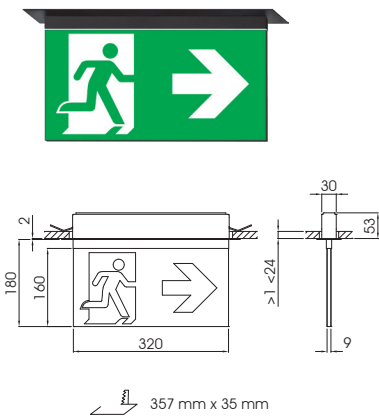
IKUS TRACK-MOUNTED

IKUS-R



IKUS CEILING-RECESSED

IKUS-M



FINISHES

Finish of	Description	Marking
Installation of emergency signs: Ceiling-mounted Track-mounted Ceiling-recessed Suspended Wall-mounted pennant	Double-sided (as standard) Sign on both sides For pennant installations, the emergency sign must be ordered bearing in mind the diagram (3).	-----
	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	(1SG)

Wall-mounted	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	-----
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SG1600	SG1601	SG1602	SG1603	SG1604	SG1605	SG1606	SG1607	SG1608
SG1610	SG1611	SG1612	SG1613	SG1614	SG1615	SG1616	SG1617	SG1618
SG1620	SG1621	SG1622	SG1623	SG1624	SG1625	SG1626	SG1627	SG1628
SG1630	SG1631	SG1632	SG1633	SG1634	SG1635	SG1636	SG1637	SG1638
SG1640	SG1641	SG1642	SG1643	SG1609				

SG: 320x160 mm. Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards. Customised signs and emergency signs supplied to order.

	Silver grey (as standard)	-----
Profile colour	Black	(N)
	White	(B)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires	110-240V A.C. 50/60Hz 170-320V D.C.	-----
(Do not include batteries)	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

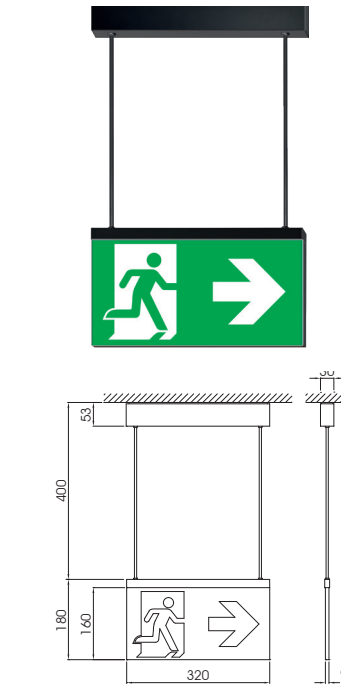
ACCESSORIES

Reference	Description	Diagram
KMSGP Ikus	Kit for surface cable input, for IKUS in silver grey	
KMSN Ikus	Kit for surface cable input, for IKUS in black	
KMSB Ikus	Kit for surface cable input, for IKUS in white	

	For Ceiling-mounted, Wall-mounted and Suspended.	
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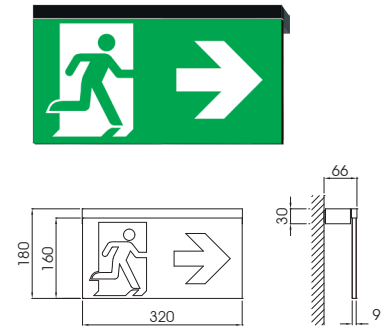
IKUS SUSPENDED

IKUS-S



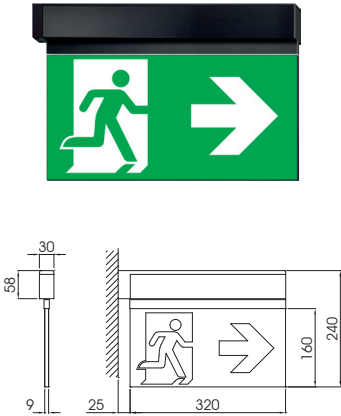
IKUS WALL-MOUNTED

IKUS-P



IKUS WALL-MOUNTED PENNANT

IKUS-B (4)



IKUS 220X220

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikus2222-T P	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2222-R P (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2222-M P	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikus2222-S P	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikus2222-P P	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2222-B P	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikus2222-T 1,5P	Ceiling-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus2222-R 1,5P	Track-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus2222-M 1,5P	Ceiling-recessed	1,5h	LiFePO ₄	ILM _{LED}
Ikus2222-S 1,5P	Suspended	1,5h	LiFePO ₄	ILM _{LED}
Ikus2222-P 1,5P	Wall-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus2222-B 1,5P	Wall-mounted pennant	1,5h	LiFePO ₄	ILM _{LED}

Ikus 220x220 A Specifically for Self-test
Ikus 220x220 TCA Specifically for Self-test and DaisaTest System
Ikus 220x220 DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A, DaisaTest centralised management system ☐ TCA or connection with DALI central ☐ DALI. Fill out the reference with ☐ A, ☐ TCA or ☐ DALI depending on the model. TEV test control unit for Ikus 220x220 TCA: See page 148. Example of order: Ikus2222-T P A / Ikus2222-T P TCA / Ikus2222-T P DALI

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikus2222-T P ☐	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2222-R P ☐ (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2222-M P ☐	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikus2222-S P ☐	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikus2222-P P ☐	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2222-B P ☐	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikus2222-T 2P ☐	Ceiling-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus2222-R 2P ☐ (2)	Track-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus2222-M 2P ☐	Ceiling-recessed	2h	LiFePO ₄	ILM _{LED}
Ikus2222-S 2P ☐	Suspended	2h	LiFePO ₄	ILM _{LED}
Ikus2222-P 2P ☐	Wall-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus2222-B 2P ☐	Wall-mounted pennant	2h	LiFePO ₄	ILM _{LED}
Ikus2222-T 3P ☐	Ceiling-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus2222-R 3P ☐ (2)	Track-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus2222-M 3P ☐	Ceiling-recessed	3h	LiFePO ₄	ILM _{LED}
Ikus2222-S 3P ☐	Suspended	3h	LiFePO ₄	ILM _{LED}
Ikus2222-P 3P ☐	Wall-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus2222-B 3P ☐	Wall-mounted pennant	3h	LiFePO ₄	ILM _{LED}

Ikus 220x220 - Luminaire Does not include battery. Luminaire specific function

Model	Mounting	Power supply	Light source	Communication
Ikus2222-T L	Ceiling-mounted	See finishes	ILM _{LED}	No
Ikus2222-M L	Ceiling-recessed	See finishes	ILM _{LED}	No
Ikus2222-S L	Suspended	See finishes	ILM _{LED}	No
Ikus2222-P L	Wall-mounted	See finishes	ILM _{LED}	No
Ikus2222-B L	Wall-mounted pennant	See finishes	ILM _{LED}	No
Ikus2222-T L ELC (3)	Ceiling-mounted	See finishes	ILM _{LED}	Yes
Ikus2222-M L ELC (3)	Ceiling-recessed	See finishes	ILM _{LED}	Yes
Ikus2222-S L ELC (3)	Suspended	See finishes	ILM _{LED}	Yes
Ikus2222-P L ELC (3)	Wall-mounted	See finishes	ILM _{LED}	Yes
Ikus2222-B L ELC (3)	Wall-mounted pennant	See finishes	ILM _{LED}	Yes

Operation, shared data and notes:

The emergency luminaires equipped with LiFePO₄ battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

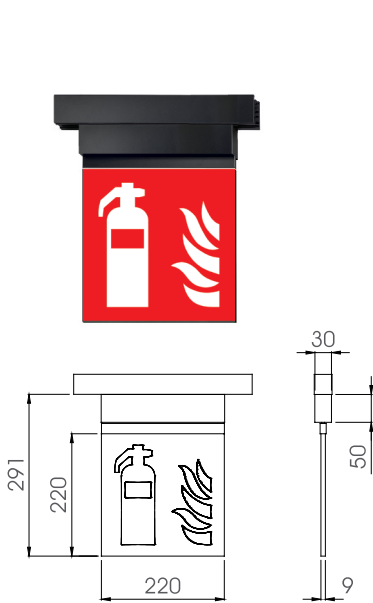
- (1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available.
- (2) Track-mounted models:
 - Do not have an independent input for LUM, remaining always on. DALI models can be turned off via a DALI command.
 - Not available in TCA references; if required, please contact Daisalux.
 - A references do not have a remote control input.
 - Suitable only for three-phase tracks. Adapter included. Check track compatibility with Daisalux.
- (3) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Protection rating: IP65 IK04 / Ikus2222 Track-mounted IP20 IK04.

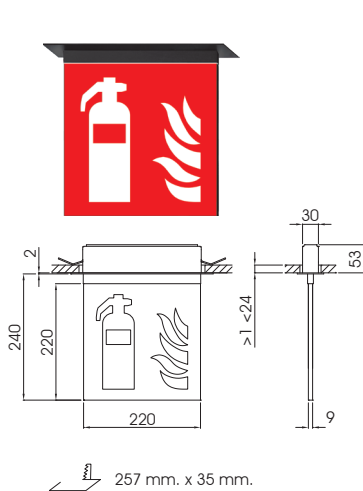
IKUS CEILING-MOUNTED IKUS2222-T



IKUS TRACK-MOUNTED IKUS2222-R



IKUS CEILING-RECESSED IKUS2222-M

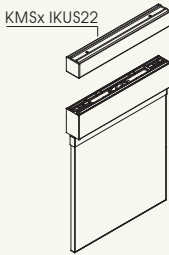


FINISHES

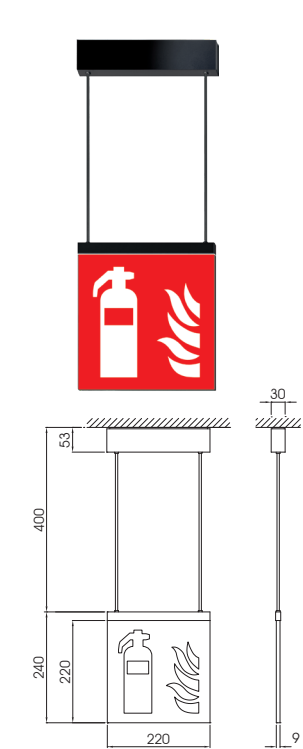
Finish of	Description	Marking
Installation of emergency signs: Ceiling-mounted Track-mounted Ceiling-recessed Suspended Wall-mounted pennant	Double-sided (as standard) Sign on both sides For pennant installations, the emergency sign must be ordered bearing in mind the diagram (3).	-----
	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	(1SG)
Wall-mounted	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	-----

SG...	 SG1605	 SG1607	 SG1618	 SG1628	 SG1650	 SG1651	 SG1652	 SG1653
SG: 220x220 mm. Suitable to comply with EN 1838, EN ISO 7010, UNE 23033, and UNE 23034 standards. Customised signs and emergency signs supplied to order.								
	Silver grey (as standard)							-----
Profile colour	Black							(N)
	White							(B)
Power supply								
Self-contained	220-230V 50/60Hz							-----
	110-127V 50/60Hz							(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.							-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)							(24V)

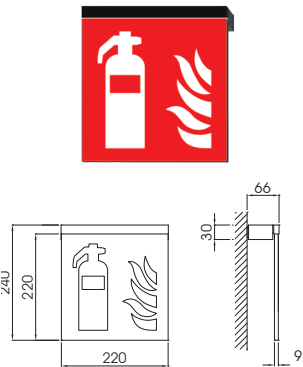
ACCESSORIES

Reference	Description	Diagram
KMSGP Ikus22	Kit for surface cable input, for IKUS in silver grey.	
KMSN Ikus22	Kit for surface cable input, for IKUS in black	
KMSB Ikus22	Kit for surface cable input, for IKUS in white	
For Ceiling-mounted, Wall-mounted y Suspended.		

IKUS SUSPENDED IKUS2222-S



IKUS WALL-MOUNTED IKUS2222-P



IKUS WALL-MOUNTED PENNANT IKUS2222-B (4)



IKUS 220X110

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikus2211-T P	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2211-R P (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2211-M P	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikus2211-S P	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikus2211-P P	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2211-B P	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikus2211-T 1,5P	Ceiling-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus2211-R 1,5P	Track-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus2211-M 1,5P	Ceiling-recessed	1,5h	LiFePO ₄	ILM _{LED}
Ikus2211-S 1,5P	Suspended	1,5h	LiFePO ₄	ILM _{LED}
Ikus2211-P 1,5P	Wall-mounted	1,5h	LiFePO ₄	ILM _{LED}
Ikus2211-B 1,5P	Wall-mounted pennant	1,5h	LiFePO ₄	ILM _{LED}

Ikus 220x110 A
Ikus 220x110 TCA
Ikus 220x110 DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation , DaisaTest centralised management system  or connection with DALI central  Fill out the reference with    depending on the model. TEV test control unit for Ikus 220x220 TCA: See page 148. Example of order: Ikus2211-T P A / Ikus2211-T P TCA / Ikus2211-T P DALI

Model	Montaje	Duration	Battery	Light source
Maintained: (1)				
Ikus2211-T P 	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2211-R P  (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2211-M P 	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikus2211-S P 	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikus2211-P P 	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikus2211-B P 	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikus2211-T 2P 	Ceiling-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus2211-R 2P  (2)	Track-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus2211-M 2P 	Ceiling-recessed	2h	LiFePO ₄	ILM _{LED}
Ikus2211-S 2P 	Suspended	2h	LiFePO ₄	ILM _{LED}
Ikus2211-P 2P 	Wall-mounted	2h	LiFePO ₄	ILM _{LED}
Ikus2211-B 2P 	Wall-mounted pennant	2h	LiFePO ₄	ILM _{LED}
Ikus2211-T 3P 	Ceiling-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus2211-R 3P  (2)	Track-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus2211-M 3P 	Ceiling-recessed	3h	LiFePO ₄	ILM _{LED}
Ikus2211-S 3P 	Suspended	3h	LiFePO ₄	ILM _{LED}
Ikus2211-P 3P 	Wall-mounted	3h	LiFePO ₄	ILM _{LED}
Ikus2211-B 3P 	Wall-mounted pennant	3h	LiFePO ₄	ILM _{LED}

Ikus 220x110 - Luminaire

Does not include battery. Luminaire specific function

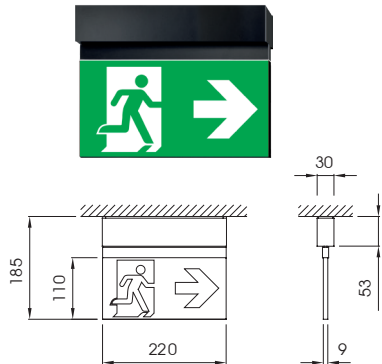
Model	Mounting	Power supply	Light source	Communication
Ikus2211-T L	Ceiling-mounted	See finishes	ILM _{LED}	No
Ikus2211-M L	Ceiling-recessed	See finishes	ILM _{LED}	No
Ikus2211-S L	Suspended	See finishes	ILM _{LED}	No
Ikus2211-P L	Wall-mounted	See finishes	ILM _{LED}	No
Ikus2211-B L	Wall-mounted pennant	See finishes	ILM _{LED}	No
Ikus2211-T L ELC (3)	Ceiling-mounted	See finishes	ILM _{LED}	Yes
Ikus2211-M L ELC (3)	Ceiling-recessed	See finishes	ILM _{LED}	Yes
Ikus2211-S L ELC (3)	Suspended	See finishes	ILM _{LED}	Yes
Ikus2211-P L ELC (3)	Wall-mounted	See finishes	ILM _{LED}	Yes
Ikus2211-B L ELC (3)	Wall-mounted pennant	See finishes	ILM _{LED}	Yes

Operation, shared data and notes:

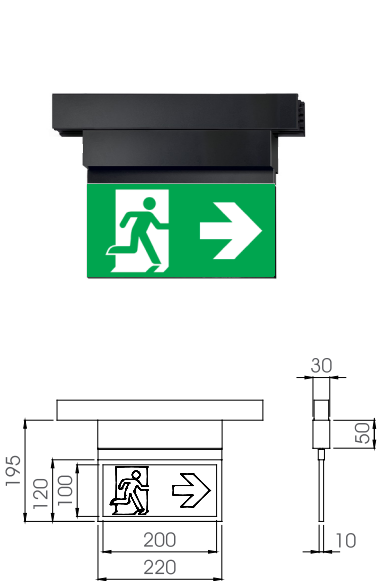
- (1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available.
- (2) Track-mounted models:
 - Do not have an independent input for LUM, remaining always on. DALI models can be turned off via a DALI command.
 - Not available in TCA references; if required, please contact Daisalux.
 - A references do not have a remote control input.
 - Suitable only for three-phase tracks. Adapter included. Check track compatibility with Daisalux.
- (3) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Built according to EN 60598-2-22 (IEC 60598-2-22) standard.
Protection rating: IP65 IK04 / Ikus2211 Track-mounted IP20 IK04.

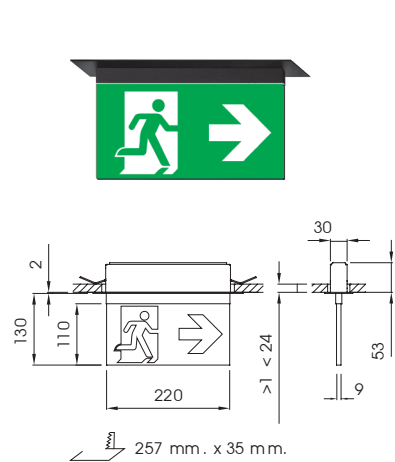
IKUS CEILING-MOUNTED
IKUS2211-T

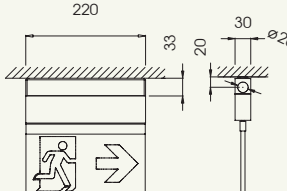


IKUS TRACK-MOUNTED
IKUS2211-R

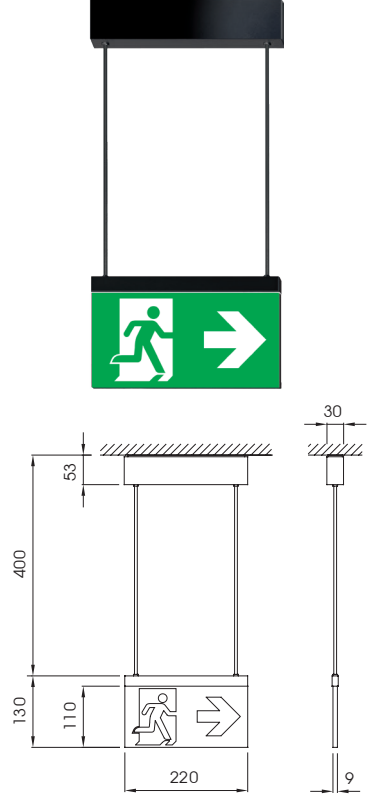


IKUS CEILING-RECESSED
IKUS2211-M

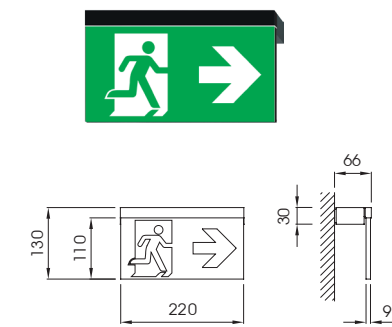


FINISHES			
Finish of	Description	Marking	
Installation of emergency signs: Ceiling-mounted Track-mounted Ceiling-recessed Suspended Wall-mounted pennant	Double-sided (as standard) Sign on both sides For pennant installations, the emergency sign must be ordered bearing in mind the diagram (3)	-----	
	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	(1SG)	
Wall-mounted	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	-----	
SG...			
	SG: 220x110 mm. Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards. Customised signs and emergency signs supplied to order		
	Silver grey (as standard)		-----
	Profile colour	Black	(N)
		White	(B)
	Power supply:		
	Self-contained	220-230V 50/60Hz	-----
		110-127V 50/60Hz	(110-127V)
	Luminaires (Do not include batteries)	110-240V 50/60Hz, 170-320V DC	-----
		24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)
ACCESSORIES			
Reference	Description	Diagram	
KMSGP Ikus22	Kit for surface cable input, for IKUS in silver grey		
KMSN Ikus22	Kit for surface cable input, for IKUS in black		
KMSB Ikus22	Kit for surface cable input, for IKUS in white		
For Ceiling-mounted, Wall-mounted and Suspended.			

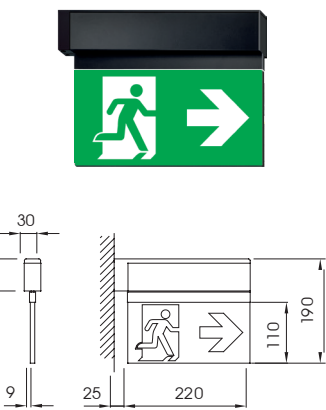
IKUS SUSPENDED
IKUS2211-S



IKUS WALL-MOUNTED
IKUS2211-P



IKUS WALL-MOUNTED PENNANT
IKUS2211-B (4)



IKUSMET 220X110

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikusmet2211-T P	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-R P (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-M P	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-S P	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-P P	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-B P	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}

Ikusmet 220x110 A
Ikusmet 220x110 TCA
Ikusmet 220x110 DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ ☐ ☐ depending on the model. TEV test control unit for Ikus 220x220 TCA: See page 148. Example of order: Ikusmet2211-T P A / Ikusmet2211-T P TCA / Ikusmet2211-T P DALI

Model	Mounting	Duration	Battery	Light source
Maintained: (1)				
Ikusmet2211-T P ☐	Ceiling-mounted	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-R P ☐ (2)	Track-mounted	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-M P ☐	Ceiling-recessed	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-S P ☐	Suspended	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-P P ☐	Wall-mounted	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-B P ☐	Wall-mounted pennant	1h	LiFePO ₄	ILM _{LED}
Ikusmet2211-T 2P ☐	Ceiling-mounted	2h	LiFePO ₄	ILM _{LED}
Ikusmet2211-R 2P ☐ (2)	Track-mounted	2h	LiFePO ₄	ILM _{LED}
Ikusmet2211-M 2P ☐	Ceiling-recessed	2h	LiFePO ₄	ILM _{LED}
Ikusmet2211-S 2P ☐	Suspended	2h	LiFePO ₄	ILM _{LED}
Ikusmet2211-P 2P ☐	Wall-mounted	2h	LiFePO ₄	ILM _{LED}
Ikusmet2211-B 2P ☐	Wall-mounted pennant	2h	LiFePO ₄	ILM _{LED}
Ikusmet2211-T 3P ☐	Ceiling-mounted	3h	LiFePO ₄	ILM _{LED}
Ikusmet2211-R 3P ☐ (2)	Track-mounted	3h	LiFePO ₄	ILM _{LED}
Ikusmet2211-M 3P ☐	Ceiling-recessed	3h	LiFePO ₄	ILM _{LED}
Ikusmet2211-S 3P ☐	Suspended	3h	LiFePO ₄	ILM _{LED}
Ikusmet2211-P 3P ☐	Wall-mounted	3h	LiFePO ₄	ILM _{LED}
Ikusmet2211-B 3P ☐	Wall-mounted pennant	3h	LiFePO ₄	ILM _{LED}

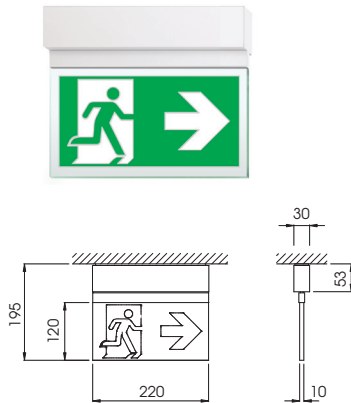
Ikusmet 220x110 - Luminaire Does not include battery. Luminaire specific function

Model	Mounting	Power supply	Light source	Communication
Ikusmet2211-T L	Ceiling-mounted	See finishes	ILM _{LED}	No
Ikusmet2211-M L	Ceiling-recessed	See finishes	ILM _{LED}	No
Ikusmet2211-S L	Suspended	See finishes	ILM _{LED}	No
Ikusmet2211-P L	Wall-mounted	See finishes	ILM _{LED}	No
Ikusmet2211-B L	Wall-mounted pennant	See finishes	ILM _{LED}	No
Ikusmet2211-T L ELC (3)	Ceiling-mounted	See finishes	ILM _{LED}	Yes
Ikusmet2211-M L ELC (3)	Ceiling-recessed	See finishes	ILM _{LED}	Yes
Ikusmet2211-S L ELC (3)	Suspended	See finishes	ILM _{LED}	Yes
Ikusmet2211-P L ELC (3)	Wall-mounted	See finishes	ILM _{LED}	Yes
Ikusmet2211-B L ELC (3)	Wall-mounted pennant	See finishes	ILM _{LED}	Yes

Operation, shared data and notes:
All models have IP65 Protection rating for indoor use.
(1) Maintained devices have two power supply inlets, LUM and EMERG, which can be turned off when the mains power is available.
(2) Track-mounted models:
· Do not have an independent input for LUM, remaining always on, DALI models can be turned off via a DALI command.
· Not available in TCA references; if required, please contact Daisalux.
· A references do not have a remote control input.
· Suitable only for three-phase tracks. Adapter included. Check track compatibility with Daisalux.
(3) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
Suitable for integration into the DaisaTest centralized management system.
Built according to EN 60598-2-22 (IEC 60598-2-22) standard.
Protection rating: IP65 IK04.

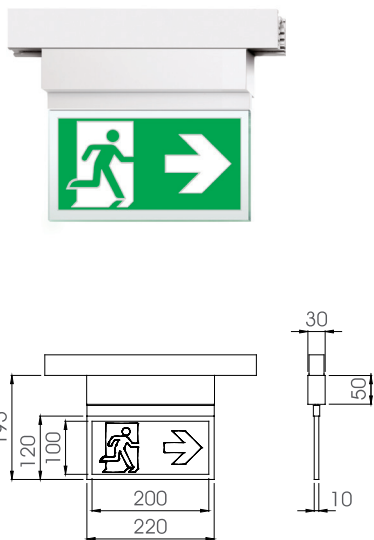
IKUSMET CEILING-MOUNTED

IKUSMET2211-T



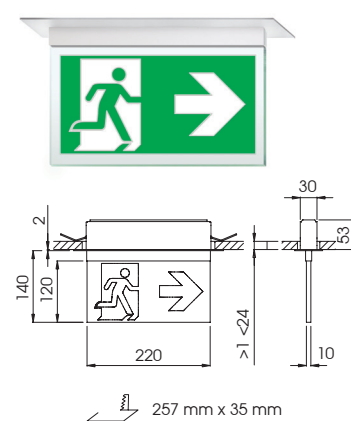
IKUSMET TRACK-MOUNTED

IKUSMET2211-R



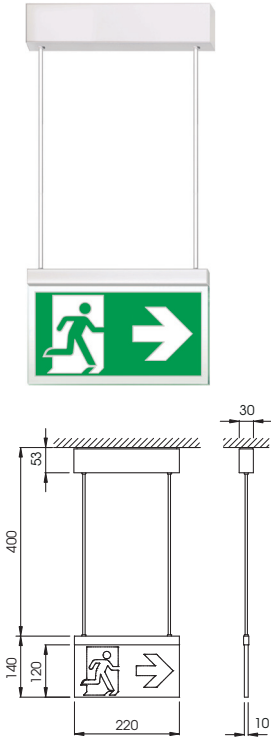
IKUSMET CEILING-RECESSED

IKUSMET2211-M



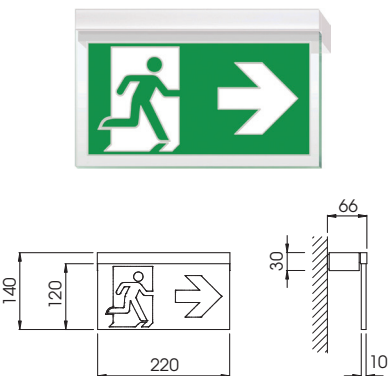
IKUSMET SUSPENDED

IKUSMET2211-S



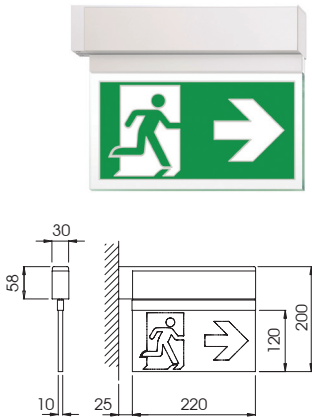
IKUSMET WALL-MOUNTED

IKUSMET2211-P



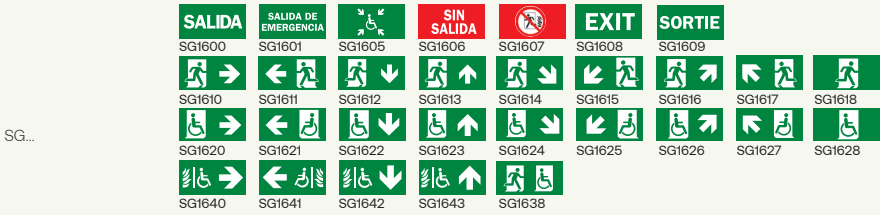
IKUSMET WALL-MOUNTED PENNANT

IKUSMET2211-B (4)



FINISHES

Finish of	Description	Marking
Application	Milled emergency signs The milled edges of the main silhouette of the design allows light emission from these areas, enhancing image identification.	-----
	Double-sided (as standard) Sign on both sides For pennant installations, the emergency sign must be ordered bearing in mind the diagram (3)	-----
Installation of emergency signs: Ceiling-mounted Track-mounted Ceiling-recessed Suspended Wall-mounted pennant	Single-sided The side with no emergency sign includes an opaque sheet that prevents light passing through.	(1SG)



SG: 220x100 mm. Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards.		
Profile colour	Silver grey (as standard)	-----
	Black	(N)
	White	(B)
Power supply:		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	110-127V
Luminaires (Do not include batteries)	110-240V 50/60Hz, 170-320V DC	-----
	24V AC 50/60Hz 18-30V DC (ELC models only 18-30V DC)	(24V)

ACCESSORIES

Reference	Description	Diagram
KMSGP Ikus22	Kit for surface cable input, for IKUS in silver grey	
KMSN Ikus22	Kit for surface cable input, for IKUS in black	
	Kit for surface cable input, for IKUS in white	
KMSB Ikus22	Para Ceiling-mounted, Wall-mounted y Suspended.	

VIRSC 160X80

Virsc 160x80 A
Virsc 160x80 TCA
Virsc 160x80 DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation [A], DaisaTest centralised management system [TCA] or connection with DALI central [DALI]. Fill out the reference with [A], [TCA] ó [DALI] depending on the model. TEV test control unit for Ikus 220x220 TCA. Example of order: Virsc1680-M P A / Virsc1680-M P TCA / Virsc1680-M P DALI

Model	Mounting	Duration	Battery	Light source
Maintained:				
Virsc1608-M P []	Ceiling-recessed	1h	LiFePO4	ILMLED
Virsc1608-P P []	Wall-mounted	1h	LiFePO4	ILMLED
Virsc1608-M 2P []	Ceiling-recessed	2h	LiFePO4	ILMLED
Virsc1608-P 2P []	Wall-mounted	2h	LiFePO4	ILMLED
Virsc1608-M 3P []	Ceiling-recessed	3h	LiFePO4	ILMLED
Virsc1608-P 3P []	Wall-mounted	3h	LiFePO4	ILMLED

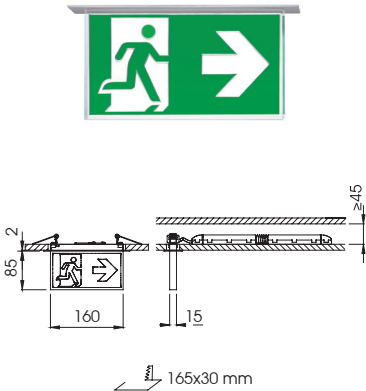
Ikus 160x80- Luminaire

Does not include battery. Luminaire specific function

Model	Mounting	Duration	Battery	Light source
Virsc1608-M L []	Ceiling-recessed	1h	NIMH	ILMLED
Virsc1608-P L []	Wall-mounted	1h	NIMH	ILMLED
Virsc1608-M L ELC []	Ceiling-recessed	1h	NIMH	ILMLED
Virsc1608-P L ELC []	Wall-mounted	1h	NIMH	ILMLED

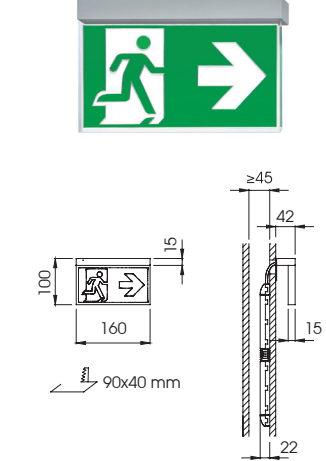
VIRSC CEILING-RECESSED

VIRSC1608-M



VIRSC WALL-MOUNTED

VIRSC1608-P



FINISHES

Finish of	Description	Marking
Ceiling-recessed	Double-sided sign (as standard) Single-sided	----- (1SG)
Wall-mounted	Single-sided visible sign	-----
Application	Milled emergency signs The milled edges of the main silhouette of the design allows light emission from these areas, enhancing image identification.	-----
SG...	SALIDA SG0900  SALIDA DE EMERGENCIA SG0901   SG0905  SIN SALIDA SG0906   SG0907  EXIT SG0908  SORTIE SG0909   SG0916   SG0917   SG0918   SG0910   SG0911   SG0912   SG0913   SG0914   SG0915   SG0916   SG0917   SG0918   SG0920   SG0921   SG0922   SG0923   SG0924   SG0925   SG0926   SG0927   SG0928   SG0930   SG0931   SG0932   SG0933   SG0934   SG0935   SG0936   SG0937   SG0938   SG0940   SG0941   SG0942   SG0943 	SG: 150x75 mm. Suitable for compliance with EN ISO 7010, EN-1838 y UNE 23034 standards.
Profile colour	Silver grey (as standard)	-----
	Black	(N)
	White	(B)
Power supply self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)

SG0940

SG0941

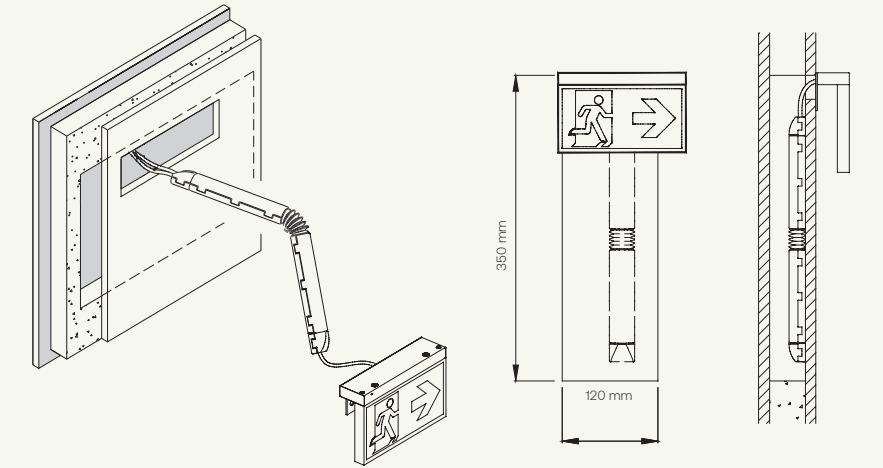
SG0942

SG0943

SG: 150x75 mm. Suitable for compliance with EN ISO 7010, EN-1838 y UNE 23034 standards.

ACCESSORIES

In plaster board partition walls in which insulating fillings are used, a space must be left in this insulator for accommodating the Reptor module. The sizes of the space are as follows:



Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

(1) Suitable for installation in (hollow) panel walls made of plaster, wood, sheet metal and plasterboard. Maintained models do not have an independent LUM input and are always on. Built to the EN 60598-2-22 (IEC 60598-2-22) standard.

Protection rating: IP20 IK04.

VIR 320X195

Model	Mounting	Duration	Battery	Light source
Maintained: (f)				
Vir-T P	Ceiling-mounted (f)	1h	NiCd	ILM _{LED}
Vir-P P	Wall-mounted	1h	NiCd	ILM _{LED}
Vir-BI P	Wall-mounted pennant, left	1h	NiCd	ILM _{LED}
Vir-BD P	Wall-mounted pennant, right	1h	NiCd	ILM _{LED}
Vir-S P	Suspended (f)	1h	NiCd	ILM _{LED}
Vir-T 3P	Ceiling-mounted (f)	3h	NiCd	ILM _{LED}
Vir-P 3P	Wall-mounted	3h	NiCd	ILM _{LED}
Vir-BI 3P	Wall-mounted pennant, left	3h	NiCd	ILM _{LED}
Vir-BD 3P	Wall-mounted pennant, right	3h	NiCd	ILM _{LED}
Vir-S 3P	Suspended (f)	3h	NiCd	ILM _{LED}

Luminaire:				
Vir-T L	Ceiling-mounted (f)			230V
Vir-P L	Wall-mounted			230V
Vir-BI L	Wall-mounted pennant, left			230V
Vir-BD L	Wall-mounted pennant, right			230V
Vir-S L	Suspended (f)			230V
No power supply:				
Models “Without lighting” are not provided with mains connection. Check the Power Equipment page for Vir.				
Vir-T S	Ceiling-mounted (f)			24V AC/DC (I=0,09A)
Vir-P S	Wall-mounted			24V AC/DC (I=0,09A)
Vir-BI S	Wall-mounted pennant, left			24V AC/DC (VI=0,09A)
Vir-BD S	Wall-mounted pennant, right			24V AC/DC (I=0,09A)
Vir-S S	Suspended (f)			24V AC/DC (I=0,09A)
Without lighting:				
Models “Without lighting” are not provided with mains connection.				
Vir-T N	Ceiling-mounted (f)			-----
Vir-P N	Wall-mounted			-----
Vir-BI N	Wall-mounted pennant, left			-----
Vir-BD N	Wall-mounted pennant, right			-----
Vir-S N	Suspended (f)			-----

Vir 320x195 TCA Specifically for Self-test and DaisaTest System

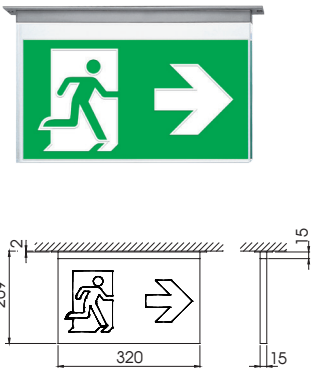
Includes microprocessor for Self-test mode operation  and DaisaTest centralised management system  TEV test control unit for Vir 320x195 TCA. Consultar página de Central TEV.

Model	Mounting	Duration	Light source
Maintained: (f)			
“Maintained” models include an external maintained power supply module with Ni-Cd batteries. Check the Power Equipment page for Vir.			
Vir-T P TCA	Ceiling-mounted (f)	1h	ILM _{LED}
Vir-P P TCA	Wall-mounted	1h	ILM _{LED}
Vir-BI P TCA	Wall-mounted pennant, left	1h	ILM _{LED}
Vir-BD P TCA	Wall-mounted pennant, right	1h	ILM _{LED}
Vir-S P TCA	Suspended (f)	1h	ILM _{LED}
Vir-T 3P TCA	Ceiling-mounted	3h	ILM _{LED}
Vir-P 3P TCA	Wall-mounted	3h	ILM _{LED}
Vir-BI 3P TCA	Wall-mounted pennant, left	3h	ILM _{LED}
Vir-BD 3P TCA	Wall-mounted pennant, right	3h	ILM _{LED}
Vir-S 3P TCA	Suspended (f)	3h	ILM _{LED}

Operation, shared data and notes:
(f) Suitable for installation in hollow ceilings.
Protection rating: IP42 IK03.

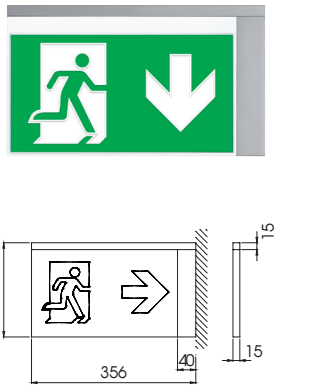
VIR CEILING-MOUNTED

VIR-T



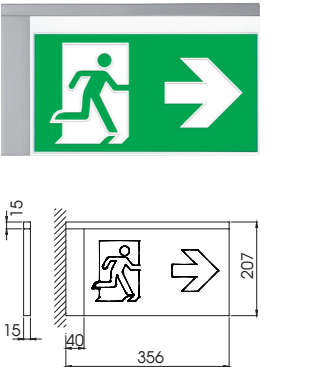
VIR WALL-MOUNTED PENNANT, RIGHT

VIR-BD



VIR WALL-MOUNTED PENNANT, LEFT

VIR-BI



FINISHES

Finish of	Description	Marking
Sign type	Milled emergency signs (as standard) The milled edges of the main silhouette of the design allows light emission from these areas, enhancing image identification.	
	Ceiling-mounted, Wall-mounted pennant, Suspended Double-sided sign (as standard)	-----
	Wall-mounted, Ceiling-mounted, Wall-mounted pennant, Suspended Single-sided visible sign	(1SG)
	Photoluminescent sign, single-sided Wall-mounted, Ceiling-mounted, Wall-mounted pennan, Suspended	(1SGF)
	Photoluminescent signs, double-sided Ceiling-mounted, Wall-mounted pennant, Suspended	(2SGF)
	Photoluminescent signs are supplied only for models without lighting.	

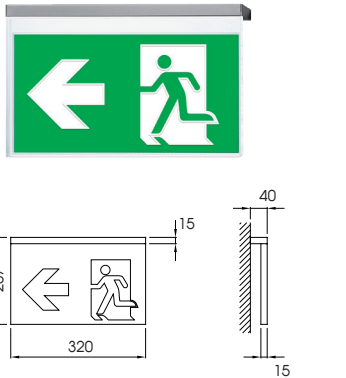
SG...									
									
									
									
									

SG: 310x155 mm. Suitable for compliance with EN ISO 7010, EN 1838, and UNE 23034 standards. Milled and non-milled emergency signs supplied to order by arrangement with the factory.

Profile colour	Silver grey (as standard)	-----
	Black	(N)
	White	(B)

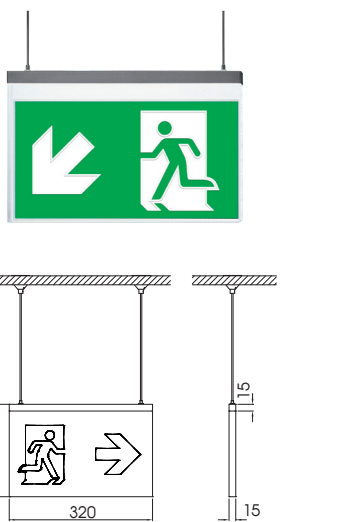
VIR WALL-MOUNTED

VIR-P



VIR SUSPENDED

VIR-S



VIR 210X210

Model	Mounting	Duration	Power
Maintained:	"Maintained" models include an external maintained power supply module with Ni-Cd batteries. Consult Power Equipment page for Vir.		
Vir2121-T P	Ceiling-mounted (†)	1h	230V
Vir2121-P P	Wall-mounted	1h	230V
Vir2121-BI P	Wall-mounted pennant, left	1h	230V
Vir2121-BD P	Wall-mounted pennant, right	1h	230V
Vir2121-S P	Suspended (†)	1h	230V
Vir2121-T 3P	Ceiling-mounted (†)	3h	230V
Vir2121-P 3P	Wall-mounted	3h	230V
Vir2121-BI 3P	Wall-mounted pennant, left	3h	230V
Vir2121-BD 3P	Wall-mounted pennant, right	3h	230V
Vir2121-S 3P	Suspended (†)	3h	230V
Luminaire:	The "Luminaire" models include an external power supply module for mains power. Consult Power Equipment page for Vir.		
Vir2121-T L	Ceiling-mounted (†)	230V	
Vir2121-P L	Wall-mounted	230V	
Vir2121-BI L	Wall-mounted pennant, left	230V	
Vir2121-BD L	Wall-mounted pennant, right	230V	
Vir2121-S L	Suspended (†)	230V	
No power supply:	"No power supply module" models require a power unit Consult Power Equipment page for Vir.		
Vir2121-T S	Ceiling-mounted (†)	24V AC/DC (I=0,05A)	
Vir2121-P S	Wall-mounted	24V AC/DC (I=0,05A)	
Vir2121-BI S	Wall-mounted pennant, left	24V AC/DC (I=0,05A)	
Vir2121-BD S	Wall-mounted pennant, right	24V AC/DC (I=0,05A)	
Vir2121-S S	Suspended (†)	24V AC/DC (I=0,05A)	
Without lighting:	Models "Without lighting" are not provided with mains connection.		
Vir2121-T N	Ceiling-mounted (†)	-----	
Vir2121-P N	Wall-mounted	-----	
Vir2121-BI N	Wall-mounted pennant, left	-----	
Vir2121-BD N	Wall-mounted pennant, right	-----	
Vir2121-S N	Suspended (†)	-----	

Vir 210x210 TCA	Specifically for Self-test and DaisaTest System
-----------------	---

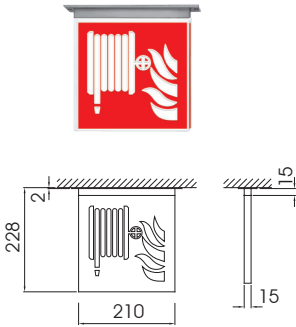
Includes microprocessor for Self-test mode operation  and DaisaTest centralised management system  TEV test control unit for Vir 210x210 TCA. Check the Central TEV page.

Model	Mounting	Duration	Power
Maintained:	"Maintained" models include an external maintained power supply module with Ni-Cd batteries. Consult Power Equipment page for Vir.		
Vir2121-T P TCA	Ceiling-mounted (†)	1h	230V
Vir2121-P P TCA	Wall-mounted	1h	230V
Vir2121-BI P TCA	Wall-mounted pennant, left	1h	230V
Vir2121-BD P TCA	Wall-mounted pennant, right	1h	230V
Vir2121-S P TCA	Suspended (†)	1h	230V
Vir2121-T 3P TCA	Ceiling-mounted (†)	3h	230V
Vir2121-P 3P TCA	Wall-mounted	3h	230V
Vir2121-BI 3P TCA	Wall-mounted pennant, left	3h	230V
Vir2121-BD 3P TCA	Wall-mounted pennant, right	3h	230V
Vir2121-S 3P TCA	Suspended (†)	3h	230V

Operation, shared data and notes:
(†) Suitable for installation in hollow ceilings.
Protection rating: IP42 IK03.

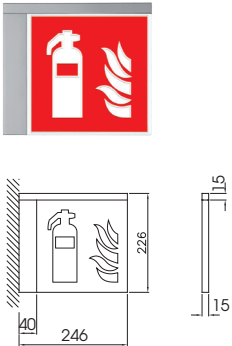
VIR CEILING-MOUNTED

VIR2121-T



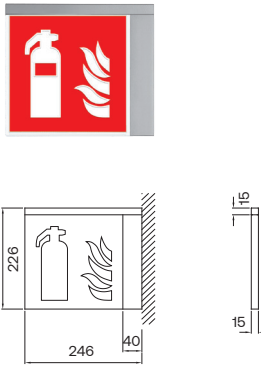
VIR WALL-MOUNTED PENNANT, LEFT

VIR2121-BD



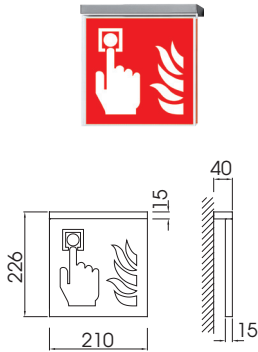
VIR WALL-MOUNTED PENNANT, RIGHT

VIR2121-BD



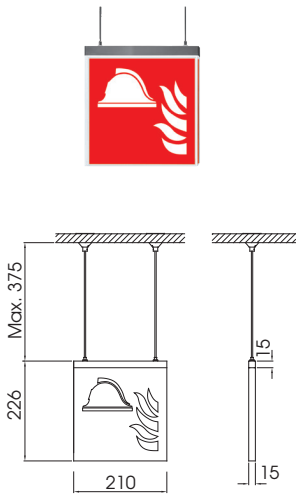
VIR WALL-MOUNTED

VIR2121-P



VIR SUSPENDED

VIR2121-S



FINISHES		
Finish of	Description	Marking
Emergency sign type	Milled emergency signs (as standard) The milled edges of the main silhouette of the design allows light emission from these areas, enhancing image identification.	
	Ceiling-mounted, Wall-mounted pennant, Suspended Visible on both sides (as standard)	-----
	Wall-mounted, Ceiling-mounted, Wall-mounted pennant, Suspended Visible on one side	(1SG)
	Wall-mounted, Ceiling-mounted, Wall-mounted pennant, Suspended Photo-luminescent emergency sign, 1 side	(SGF)
SG...	Ceiling-mounted, Pennant, Suspended Photo-luminescent emergency signs, 2 sides Photoluminescent signs are supplied for models without lighting.	(2SGF)
	SG: 200x200 mm. Suitable for compliance with EN 1838, EN ISO 7010, UNE 23033, and UNE 23034 standards.	
	 SG0906	
	 SG0907	
	 SG0918	
	 SG0928	
	 SG0950	
	 SG0951	
	 SG0952	
	 SG0953	
Profile colour	Milled and non-milled emergency signs supplied to order. By arrangement with the factory.	
	Silver grey (as standard)	-----
	Black	(N)
	White	(B)

VIR 160X160

Model	Mounting	Duration	Power
Maintained: 1 hour:	"Maintained" models include an external maintained power supply module with Ni-Cd. Consult Power Equipment page for Vir.		
Vir1616-T P	Ceiling-mounted (†)	1h	230V
Vir1616-P P	Wall-mounted	1h	230V
Vir1616-BI P	Wall-mounted pennant, left	1h	230V
Vir1616-BD P	Wall-mounted pennant, right	1h	230V
Vir1616-S P	Suspended (†)	1h	230V
Vir1616-T 3P	Ceiling-mounted (†)	3h	230V
Vir1616-P 3P	Wall-mounted	3h	230V
Vir1616-BI 3P	Wall-mounted pennant, left	3h	230V
Vir1616-BD 3P	Wall-mounted pennant, right	3h	230V
Vir1616-S 3P	Suspended (†)	3h	230V
Luminaire:	The "Luminaire" models include an external power supply module for mains power. Consult Power Equipment page for Vir.		
Vir1616-T L	Ceiling-mounted (†)		230V
Vir1616-P L	Wall-mounted		230V
Vir1616-BI L	Wall-mounted pennant, left		230V
Vir1616-BD L	Wall-mounted pennant, right		230V
Vir1616-S L	Suspended (†)		230V
No power supply:	The models "Without power module" require a power unit. Consult Power Equipment page for Vir.		
Vir1616-T S	Ceiling-mounted (†)		24V AC/DC (I=0,03A)
Vir1616-P S	Wall-mounted		24V AC/DC (I=0,03A)
Vir1616-BI S	Wall-mounted pennant, left		24V AC/DC (I=0,03A)
Vir1616-BD S	Wall-mounted pennant, right		24V AC/DC (I=0,03A)
Vir1616-S S	Suspended (†)		24V AC/DC (I=0,03A)
Without lighting:	Models "Without lighting" are not provided with mains connection.		
Vir1616-T N	Ceiling-mounted (†)	-----	
Vir1616-P N	Wall-mounted	-----	
Vir1616-BI N	Wall-mounted pennant, left	-----	
Vir1616-BD N	Wall-mounted pennant, right	-----	
Vir1616-S N	Suspended (†)	-----	

Vir 160x160 TCA Specifically for Self-test and DaisaTest System

Includes microprocessor for Self-test mode operation  and DaisaTest centralised management system  TEV test control unit for Vir 160x160 TCA. Refer to the Central TEV page.

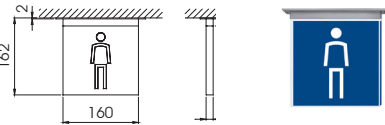
Model	Mounting	Duration	Power
Maintained:	"Maintained" models include an external maintained power supply module with Ni-Cd batteries. Consult Power Equipment page for Vir.		
Vir1616-T P TCA	Ceiling-mounted (†)	1h	230V
Vir1616-P P TCA	Wall-mounted	1h	230V
Vir1616-BI P TCA	Wall-mounted pennant, left	1h	230V
Vir1616-BD P TCA	Wall-mounted pennant, right	1h	230V
Vir1616-S P TCA	Suspended (†)	1h	230V
Vir1616-T 3P TCA	Ceiling-mounted (†)	3h	230V
Vir1616-P 3P TCA	Wall-mounted	3h	230V
Vir1616-BI 3P TCA	Wall-mounted pennant, left	3h	230V
Vir1616-BD 3P TCA	Wall-mounted pennant, right	3h	230V
Vir1616-S 3P TCA	Suspended (†)	3h	230V

FINISHES		
Finish of	Description	Marking
	Silver grey (as standard)	-----
Profile colour	Black	(N)
	White	(B)

Operation, shared data and notes:
(†) Suitable for installation in hollow ceilings.
Special custom signs, both milled and non-milled, can be supplied upon request. Please contact Daisalux.
Protection rating: IP42 IK03.

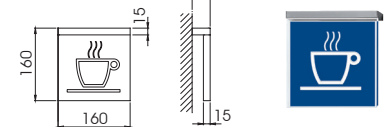
VIR CEILING-MOUNTED

VIR1616-T



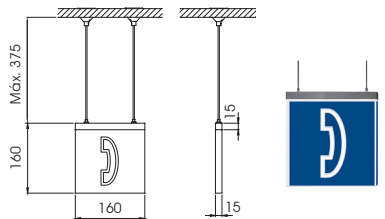
VIR WALL-MOUNTED

VIR1616-P



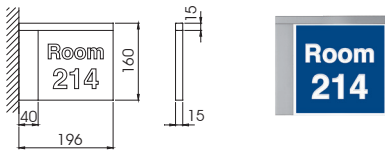
VIR SUSPENDED

VIR1616-S



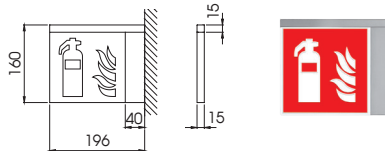
VIR WALL-MOUNTED PENNANT, LEFT

VIR1616-BI



VIR WALL-MOUNTED PENNANT, RIGHT

VIR1616-BD



Power units for Vir

Maintained power supply module with batteries for “Maintained” models

Each unit provides uninterrupted power supply to one luminaire (with or without mains power). With mains power available, enables the luminaire to be turned on and off by a switch connected to the input (LUM). Can be fitted on a DIN 46277/3 symmetrical rail.

The width of the central battery unit is the equivalent of 12 standard magneto-thermal breakers (215 mm).

Power supply module for “Luminaire” models with mains power

Each transformer supplies one luminaire. It can be placed on a DIN 46277/3 symmetrical rail in the magneto-thermal housing. It occupies the space equal to 2.5 standard magneto-thermal breakers.

PBL units (for “No power supply module” Vir models)

The central battery systems supply the “No power supply module” models.

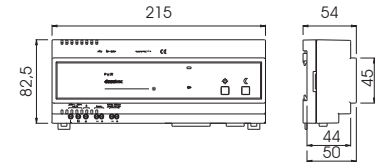
Reference	Description
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.
PBL-25	Power unit with maintained output at 24V AC/DC, 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.
PBL-80	Power unit with maintained output at 24 V AC/DC, 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. When mains power is available it has two power levels available, one being adjustable. Self-test mode operation.
PBL-80 (NiMH)	Power unit with maintained output at 24 V AC/DC, 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. When mains power is available it has two power levels available, one being adjustable. Self-test mode operation.
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system

Note: Further technical data and dimensions of these units on page

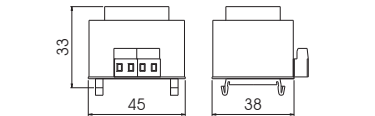
Maximum number of VIR model “No power supply module” supplied by the different central battery systems at 24V.

Model	Duration of 1 hour			Duration of 2 hours			Duration of 3 hours		
	VIR-* S	VIR2121-* S	VIR1616-* S	VIR-* S	VIR2121-* S	VIR1616-* S	VIR-* S	VIR2121-* S	VIR1616-* S
PBL-24-02	2	4	7	1	2	3	----	1	2
PBL-24-06	9	15	25	4	7	12	3	5	8
PBL-25	6	10	16	3	5	8	2	3	5
PBL-80	15	25	40	7	12	20	5	8	13
PBL-80 (NiMH)	15	25	40	7	12	20	5	8	13
PBL-24-02 TCA	2	4	7	1	2	3	----	1	2
PBL-24-06 TCA	9	15	25	4	7	12	3	5	8

POWER UNIT FOR VIR MAINTAINED



TRANSFORMER FOR VIR LUMINAIRE



LISU SURFACE

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu N	1h	NIMH	75	LMSLED
Lisu 2N	2h	NIMH	75	LMSLED
Lisu 3N	3h	NIMH	75	LMSLED

Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu P	1h	NIMH	75	LMSLED
Lisu 2P	2h	NIMH	75	LMSLED
Lisu 3P	3h	NIMH	75	LMSLED

Lisu Surface A Specifically for Self-test
Lisu Surface TCA Specifically for Self-test and DaisaTest System
Lisu Surface DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐A or DaisaTest centralised management system ☐TCA. Fill out the reference with ☐A or ☐TCA depending on the model. TEV test control unit for Lisu: See page 148
Example of order: Lisu N A / Lisu N TCA / Lisu N DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu N ☐	1h	NIMH	75	LMSLED
Lisu 2N ☐	2h	NIMH	75	LMSLED
Lisu 3N ☐	3h	NIMH	75	LMSLED

Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu P ☐	1h	NIMH	75	LMSLED
Lisu 2P ☐	2h	NIMH	75	LMSLED
Lisu 3P ☐	3h	NIMH	75	LMSLED

Lisu Surface - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Lisu L	See finishes	75	LMSLED	No
Lisu L ELC (2)	See finishes	75	LMSLED	Yes

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

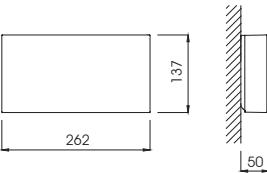
(1) The maintained models CANNOT be switched off when mains power is available, except for TCA models that can be switched off through the DaisaTest centralised management system.

(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP20 IK04.

LISU SURFACE



FINISHES

Finish of	Description	Marking
	White (as standard)	-----
Colour	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires	110-240V A.C. 50/60Hz 170-320V D.C.	-----
(Do not include batteries)	24V AC 50/60Hz 18-30V DC (ELC models not available).	(24V)

	Resulting flux
	25%

This device has dual light output (two diffusers)
The emergency sign is factory-mounted on the diffuser
SG: 264x127 mm
Customised signs and emergency signs supplied to order.

SG...

SG1300	SG1301	SG1302	SG1303	SG1304	SG1305	SG1306	SG1307	SG1308
SG1310	SG1311	SG1312	SG1313	SG1314	SG1315	SG1316	SG1317	SG1318
SG1320	SG1321	SG1322	SG1323	SG1324	SG1325	SG1326	SG1327	SG1328
SG1330	SG1331	SG1332	SG1333	SG1334	SG1335	SG1336	SG1337	SG1338
SG1340	SG1341	SG1342	SG1343	SG1309				

Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards.

ACCESSORIES

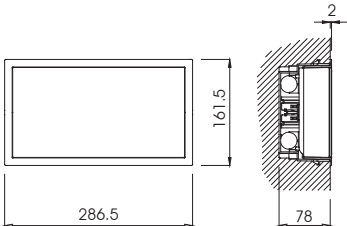
Reference	Description	Diagram	Resulting flux
KENTB Lisu	Flush-mounting box. White.		100%
KENTGP Lisu	Flush-mounting box. Silver grey.		100%
	Suitable for installation in (hollow) panel walls made of plaster, wood, sheet metal, plasterboard...		

KENPB Lisu	Flush-mounting box. White.		100%
KENPGP Lisu	Flush-mounting box. Silver grey.		100%
	Suitable for installation in (solid) panel walls made of breezeblock, brick, stone.		

LISU FLUSH-MOUNTED

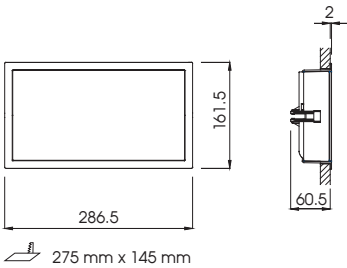
FLUSH-MOUNTED BOX FOR SOLID WALL:

KENP* LISU



FLUSH-MOUNTED BOX FOR HOLLOW WALL:

KENT* LISU



LISU PENNANT

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu-B N	1h	NiMH	130	LMSLED
Lisu-B 2N	2h	NiMH	130	LMSLED
Lisu-B 3N	3h	NiMH	130	LMSLED

Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu-B P	1h	NiMH	130	LMSLED
Lisu-B 2P	2h	NiMH	130	LMSLED
Lisu-B 3P	3h	NiMH	130	LMSLED

Lisu Pennant A Specifically for Self-test
Lisu Pennant TCA Specifically for Self-test and DaisaTest System
Lisu Pennant DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐. Fill out the reference with ☐ depending on the model. TEV test control unit for Lisu-B. See page 148. Example of order: Lisu-B N A / Lisu-B N TCA / Lisu-B N DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu-B N ☐	1h	NiMH	130	LMSLED
Lisu-B 2N ☐	2h	NiMH	130	LMSLED
Lisu-B 3N ☐	3h	NiMH	130	LMSLED

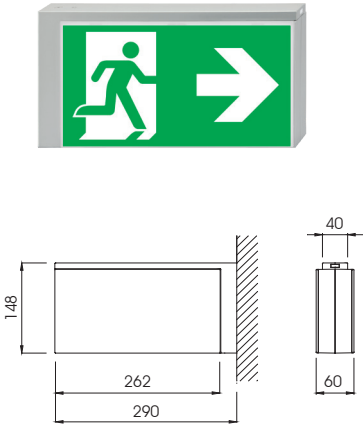
Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu-B P ☐	1h	NiMH	130	LMSLED
Lisu-B 2P ☐	2h	NiMH	130	LMSLED
Lisu-B 3P ☐	3h	NiMH	130	LMSLED

Lisu Pennant - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Lisu-B L	See finishes	130	LMSLED	No
Lisu-B L ELC (2)	See finishes	130	LMSLED	Yes

LISU PENNANT

LISU-B



FINISHES

Finish of	Description	Marking
Colour	White (as standard)	
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models not available).	(24V)
Sign type	2 Signs (as standard)	-----
	1 Sign	(1SG)

Resulting flux

This device has dual light output (two diffusers)
The emergency sign is supplied mounted on the diffuser
SG: 254x127 mm
Customised signs and emergency signs supplied to order.

25%

SG...



Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards.

Operation, shared data and notes:

The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

- (1) The maintained models CANNOT be switched off when mains power is available, except for TCA models that can be switched off through the DaisaTest centralised management system.
- (2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP22 IK04.

LISU CEILING-MOUNTED

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu-AD N	1h	NiMH	130	LMSLED
Lisu-AD 2N	2h	NiMH	130	LMSLED
Lisu-AD 3N	3h	NiMH	130	LMSLED

Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu-AD P	1h	NiMH	130	LMSLED
Lisu-AD 2P	2h	NiMH	130	LMSLED
Lisu-AD 3P	3h	NiMH	130	LMSLED

Lisu Ceiling-mounted A Specifically for Self-test
Lisu Ceiling-mounted TCA Specifically for Self-test and DaisaTest System
Lisu Ceiling-mounted DALI Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐A or DaisaTest centralised management system ☐TCA. Fill out the reference with ☐A or ☐TCA depending on the model. TEV test control unit for Lisu-AD: See page 148. Example of order: Lisu-AD N A / Lisu-AD N TCA / Lisu-AD N DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu-AD N ☐	1h	NiMH	130	LMSLED
Lisu-AD 2N ☐	2h	NiMH	130	LMSLED
Lisu-AD 3N ☐	3h	NiMH	130	LMSLED

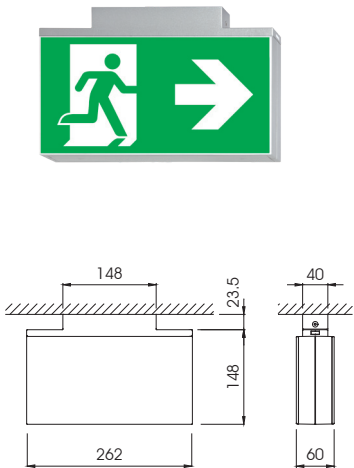
Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu-AD P ☐	1h	NiMH	130	LMSLED
Lisu-AD 2P ☐	2h	NiMH	130	LMSLED
Lisu-AD 3P ☐	3h	NiMH	130	LMSLED

Lisu Ceiling-mounted - Luminaire Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Lisu-AD L	See finishes	130	LMSLED	No
Lisu-AD L ELC (2)	See finishes	130	LMSLED	Yes

LISU CEILING-MOUNTED

LISU-AD



FINISHES

Finish of	Description	Marking
Colour	White (as standard)	-----
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V D.C.	-----
	24V AC 50/60Hz 18-30V DC (ELC models not available).	(24V)
Sign type	2 Signs (as standard)	-----
	1 Sign	(1SG)

Reference	Description	Resulting flux
SG...	This device has dual light output (two diffusers) The emergency sign is supplied mounted on the diffuser SG: 254x127 mm Customised signs and emergency signs supplied to order.	25%
Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards.		

Operation, shared data and notes:
The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.

(1) The maintained models CANNOT be switched off when mains power is available, except for TCA models that can be switched off through the DaisaTest centralised management system.

(2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable. Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP22 IK04.

LISU SUSPENDED

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu-S N	1h	NiMH	130	LMSLED
Lisu-S 2N	2h	NiMH	130	LMSLED
Lisu-S 3N	3h	NiMH	130	LMSLED

Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum	
Lisu-S P	1h	NiMH	130	LMSLED
Lisu-S 2P	2h	NiMH	130	LMSLED
Lisu-S 3P	3h	NiMH	130	LMSLED

Lisu Suspended A
Lisu Suspended TCA
Lisu Suspended DALI

Specifically for Self-test
Specifically for Self-test and DaisaTest System
Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ or DaisaTest centralised management system ☐ Fill out the reference with ☐ ó ☐ depending on the model. TEV test control unit for Lisu-S. See page 148. Example of order: Lisu-S N A / Lisu-S N TCA / Lisu-S N DALI

Model	Duration	Battery	Lumens	Light source
Non-maintained:				
Lisu-S N ☐	1h	NiMH	130	LMSLED
Lisu-S 2N ☐	2h	NiMH	130	LMSLED
Lisu-S 3N ☐	3h	NiMH	130	LMSLED

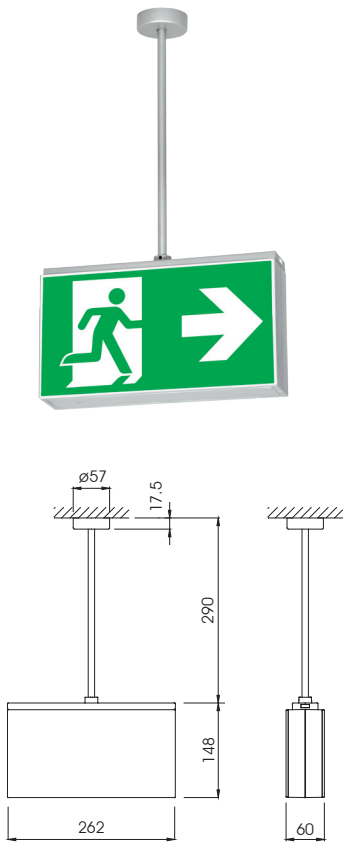
Model	Duration	Battery	Lumens	Light source
Maintained: (1)			Emerg./Lum.	
Lisu-S P ☐	1h	NiMH	130	LMSLED
Lisu-S 2P ☐	2h	NiMH	130	LMSLED
Lisu-S 3P ☐	3h	NiMH	130	LMSLED

Lisu Suspended - Luminaire

Does not include battery. Luminaire specific function

Model	Power supply	Lumens	Light source	Communication
Lisu-S L	See finishes	130	LMSLED	No
Lisu-S L ELC (2)	See finishes	130	LMSLED	Yes

LISU SUSPENDED
LISU-S

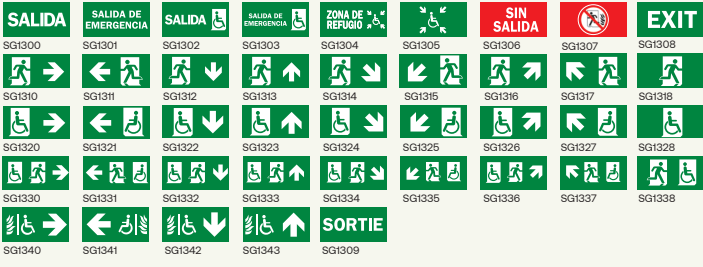


FINISHES

Finish of	Description	Marking
Colour	White (as standard)	
	Dark metallic grey	(GR)
	Silver grey	(RAL9006)
Power supply		
Self-contained	220-230V 50/60Hz	-----
	110-127V 50/60Hz	(110-127V)
Luminaires (Do not include batteries)	110-240V A.C. 50/60Hz 170-320V DC.	-----
	24V AC 50/60Hz 18-30V DC (ELC models not available).	(24V)
Sign type	2 Signs (as standard)	-----
	1 Sign	(1SG)

Resulting flux	
This device has dual light output (two diffusers). The emergency sign is supplied mounted on the diffuser. Customised signs and emergency signs supplied to order.	25%

SG...



Suitable for compliance with EN 1838, EN ISO 7010, and UNE 23034 standards.

- Operation, shared data and notes:
- The emergency luminaires equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an important reduction of energy consumption.
- (1) The maintained models CANNOT be switched off when mains power is available, except for TCA models that can be switched off through the DaisaTest centralised management system.
 - (2) The ELC luminaire models allow communication with CB and LPS equipment through the same power cable.
- Suitable for integration into the DaisaTest centralized management system.

Features plug & play and anchoring system.

Protection rating: IP22 IK04.



Beacon lighting

ALZIR_{p.114}

LECU_{p.122}

AQUA_{p.125}

LYRA_{p.126} LEDA_{p.127}

CLAVO_{p.129}

SHERPA_{p.130}

ARAS_{p.134}

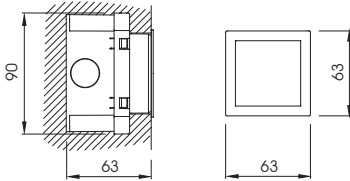
ALZIR Self-contained

Model	Luminance distribution	Shape
Alzir Front projection		
Alzir/A RS		
Alzir/A CS		
Alzir Floor floodlight		
Alzir/A RC		
Alzir/A CC		

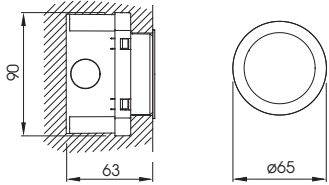
ALZIR
ALZIR/A



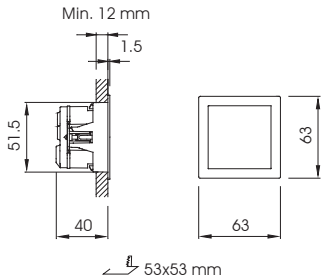
MOUNTING WITH HOUSING (IP66 IK07)
ALZIR SQUARE



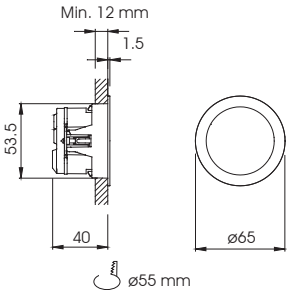
ALZIR ROUND



MOUNTING WITHOUT HOUSING (IP65 IK07)
ALZIR SQUARE



ALZIR ROUND



Operation, shared data and notes:

(1) Comes with two lighting statuses: With mains power available (two LEDs which cannot be switched off) and without mains power (two LEDs with a duration of 1 hour).

The colour of the two LEDs when mains power is unavailable is always cool white.
The Self-contained Alzir beacon comes with a recessed mounting box (as standard)
The anchoring system of the Alzir beacon uses crampons, enabling mounting on plasterboard, wood, sheet metal, plaster, etc.
The letters of the Alzir/A models mean the following:
· First letter: R: Round / C: Square.
· Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK07.
Not suitable for outdoor installation.

ALZIR Centralised/Courtesy

Model	Luminance distribution	Shape
Alzir Front projection		
Alzir/C RS		
Alzir/C CS		
Alzir Floor floodlight		
Alzir/C RC		
Alzir/C CC		

FINISHES

Finish of	Description	Marking
Power supply	220-230V, 50/60Hz (I=0,01A)	(230V)
	24V AC/DC (I=0,01A)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
Trim colour	Bright chrome	(CHR-B)
	Silver grey	(RAL9006)
	Matte white	(BM)
	Matte black	(NM)
LED Colour	Cool white (as standard)	-----
	High brightness cool white (1)	(HB)
	Warm white	(WW)
	High brightness warm white (1)	(WWHB)
	Blue	(Z)

ACCESSORIES

Reference	Description
KE Alzir R	Alzir round recessed mounting box (IP66 IK07).
KE Alzir C	Alzir square recessed mounting box (IP66 IK07).

Reference	Description	Beacons supplied with power	
Power units:		Alzir	Alzir (HB)
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20	10
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70	30
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50	20
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-80 (NiMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20	10
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70	30
TL-40	Transformer 230 V AC/24V AC	80	40
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 25 Alzir-She beacons per output. Maximum 12 Alzir-She beacons (HB) per output.	100	48
Note: Technical data and dimensions of these power units on the PBL equipment page.			

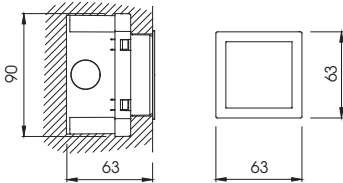
Operation, shared data and notes:

(1) Provides three times more light.
The Alzir Centralised/Courtesy beacon comes with a recessed mounting box (as standard).
Fitted with four high performance LEDs.
The anchoring system of the Alzir beacon uses crampons, enabling mounting on plasterboard, wood, sheet metal, plaster, etc.
The letters of the Alzir/C models mean the following:
· First letter: R: Round / C: Square.
· Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).
Protection rating: IP65 IK07.

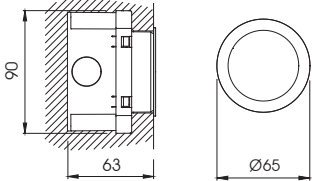
ALZIR
ALZIR/C



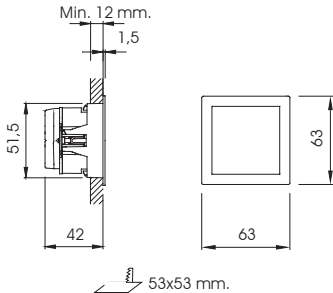
MOUNTING WITH HOUSING (IP66 IK07)
ALZIR SQUARE



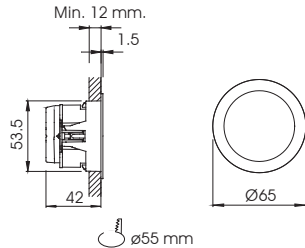
ALZIR ROUND



MOUNTING WITHOUT HOUSING (IP65 IK07)
ALZIR SQUARE



ALZIR ROUND



ALZIR LX Centralised/Courtesy (50 lum)

Model	Luminance distribution	Shape
Alzir LX Front projection		
Alzir LX/C RS		
Alzir LX/C CS		
Alzir LX Floor floodlight		
Alzir LX/C RC		
Alzir LX/C CC		

FINISHES		
Finish of	Description	Marking
Power supply	110-240V 50/60Hz, 170-320V DC	-----
	24V DC / AC (I=0,04A DC)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
Trim colour	Bright chrome	(CHR-B)
	Silver grey	(RAL9006)
	Matte white	(BM)
	Matte black	(NM)
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)
ACCESSORIES		
Reference	Description	
KE Alzir R	Alzir round recessed mounting box (IP66 IK07)	
KE Alzir C	Alzir square recessed mounting box (IP66 IK07)	

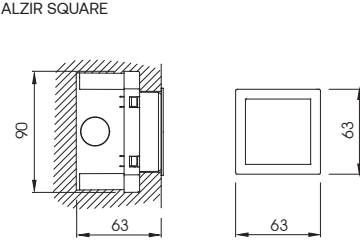
Reference	Description	Beacons supplied with power
Power units:		
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	5
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	16
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	12
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	5
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	16
TL-40	Transformer 230 V AC/24V AC	12
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 3 Alzir LX beacons per output.	12
Note: Technical data and dimensions of these power units on the PBL unita page.		

Operation, shared data and notes:

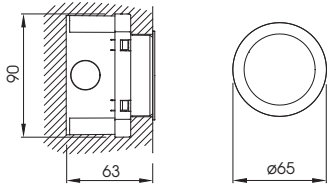
The Self-contained Alzir beacon comes with to recessed mounting box (as standard). Fitted with four high performance LEDs.
The anchoring system of the Alzir beacon uses crampons, enabling mounting on plasterboard, wood, sheet metal, plaster, etc.
The letters of the Alzir LX/C models mean the following:
· First letter: R: Round / C: Square.
· Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK07.



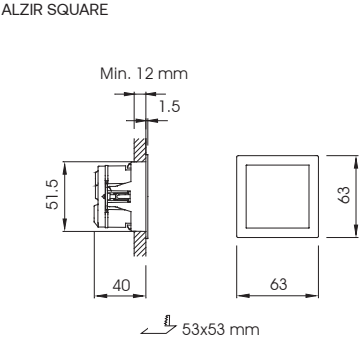
MOUNTING WITH HOUSING (IP66 IK07)



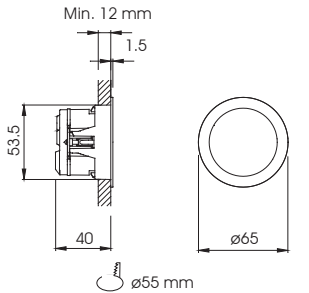
ALZIR ROUND



MOUNTING WITHOUT HOUSING (IP65 IK07)



ALZIR ROUND



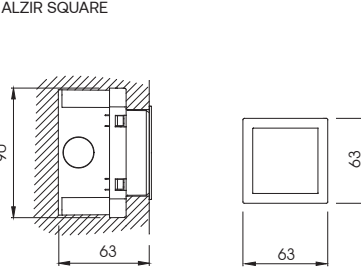
ALZIR-INOX Self-contained

Model	Luminance distribution	Shape
Alzir-Inox Front projection		
Alzir-Inox/A RS		
Alzir-Inox/A CS		
Alzir-Inox Floor floodlight		
Alzir-Inox/A RC		
Alzir-Inox/A CC		

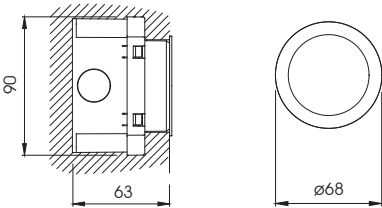
FINISHES		
Finish of	Description	Marking
Power supply	220-230V, 50/60Hz	(230V)
	White/transparent glass	(BT)
Front projection diffuser colour	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
LED Colour (presencia Red) (1)	Cool white (as standard)	-----
	Warm white	(WW)
	Blue	(Z)
ACCESSORIES		
Reference	Description	
KE Alzir R	Alzir round recessed mounting box (IP66 IK07)	
KE Alzir C	Alzir square recessed mounting box (IP66 IK07)	
TD-50 UB	Remote control for 50 Alzir beacons.	



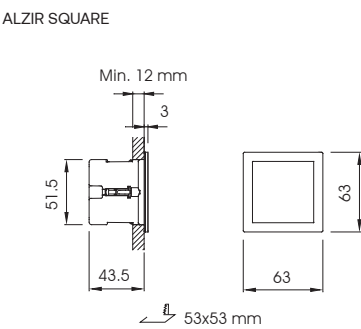
MOUNTING WITH HOUSING (IP66 IK07)



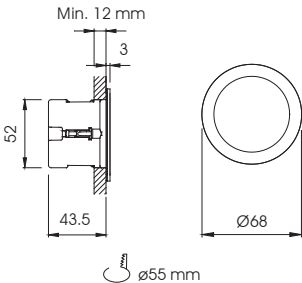
ALZIR ROUND



MOUNTING WITHOUT HOUSING (IP65 IK07)



ALZIR ROUND



Operation, shared data and notes:

(1) The Alzir INOX Self-contained beacon comes with two lighting statuses: with mains power available (two LEDs which cannot be switched off) and without mains power (two LEDs with a duration of 1 hour).
The colour of the two LEDs when mains power is unavailable is always cool white.
The Self-contained Alzir INOX beacon comes with a recessed mounting box (as standard).
Made of polished AISI 316L stainless steel.
The anchoring system of the Alzir beacon uses crampons, enabling mounting on plasterboard, wood, sheet metal, plaster, etc.
The letters of the Alzir INOX/A models mean the following:
· First letter: R: Round / C: Square.
· Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK07.
Not suitable for outdoor installation.

Alzir-Inox Centralised/Courtesy

Model	Luminance distribution	Shape
Alzir-Inox Front projection		
Alzir-Inox/C RS		
Alzir-Inox/C CS		
Alzir-Inox Floor floodlight		
Alzir-Inox/C RC		
Alzir-Inox/C CC		

FINISHES		
Finish of	Description	Marking
Power supply	220-230V, 50/60Hz (I=0,01A)	(230V)
	24V AC/DC (I=0,01A)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
LED Colour	Cool white (as standard)	-----
	High brightness cool white (I)	(HB)
	Warm white	(WW)
	High brightness warm white (I)	(WWHB)
	Blue	(Z)
ACCESSORIES		
Reference	Description	
KE Alzir R	Alzir round recessed mounting box (IP66 IK07)	
KE Alzir C	Alzir square recessed mounting box (IP66 IK07)	

Reference	Description	Beacons supplied with power	
Power units:		Alzir-Inox	Alzir-Inox (HB)
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20	10
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70	30
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50	20
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-80 (NiMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20	10
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70	30
TL-40	Transformer 230 V AC/24V AC	80	40
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 25 Alzir-Inox per output. Maximum 12 Alzir-Inox (HB) per output.	100	48
Note: Technical data and dimensions of these power units on the PBL equipment page.			

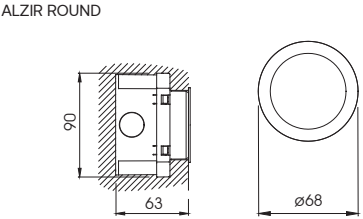
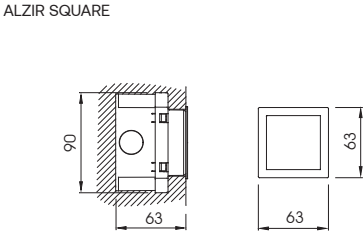
Operation, shared data and notes:

The Alzir LX Centralised/Courtesy beacon comes with a recessed mounting box (as standard). Fitted with four high performance LEDs. Made of polished stainless steel AISI 316L. The anchoring system of the Alzir beacon uses crampons, enabling mounting on plasterboard, wood, sheet metal, plaster, etc. The letters of the Alzir LX/C models mean the following:

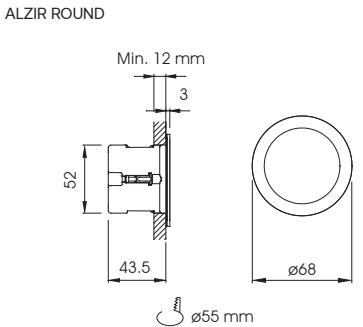
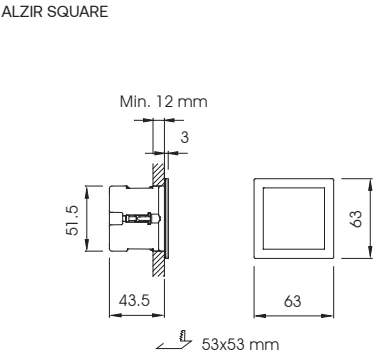
- First letter: R: Round / C: Square.
- Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK07.



MOUNTING WITH HOUSING (IP66 IK07)



MOUNTING WITHOUT HOUSING (IP65 IK07)



ALZIR-Inox LX Centralised/Courtesy

Model	Luminance distribution	Shape
Alzir-Inox LX Front projection		
Alzir-Inox LX/C RS		
Alzir-Inox LX/C CS		
Alzir-Inox LX Floor floodlight		
Alzir-Inox LX/C RC		
Alzir-Inox LX/C CC		

FINISHES		
Finish of	Description	Marking
Power supply	110-240V 50/60Hz, 170-320V DC	-----
	24V DC / AC (I=0,04A DC)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)
ACCESSORIES		
Reference	Description	
KE Alzir R	Alzir round recessed mounting box (IP66 IK07)	
KE Alzir C	Alzir square recessed mounting box (IP66 IK07)	

Reference	Description	Beacons supplied with power
Power units:		Alzir-Inox LX
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	5
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	16
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	12
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	5
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	16
TL-40	Transformer 230 V AC/24V AC	12
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 3 Alzir-Inox LX per output.	12
Note: Technical data and dimensions of these power units on the PBL equipment page.		

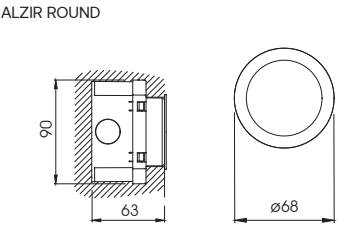
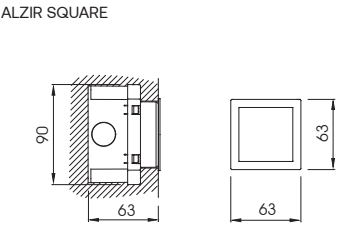
Operation, shared data and notes:

The Alzir INOX Self-contained beacon comes with two lighting statuses: with mains power available (two LEDs which cannot be switched off) and without mains power (two LEDs with a duration of 1 hour). The colour of the two LEDs when mains power is unavailable is always cool white. The Self-contained Alzir INOX beacon comes with a recessed mounting box (as standard). Made of polished AISI 316L stainless steel. The anchoring system of the Alzir beacon uses crampons, enabling mounting on plasterboard, wood, sheet metal, plaster, etc. The letters of the Alzir INOX/A models mean the following:

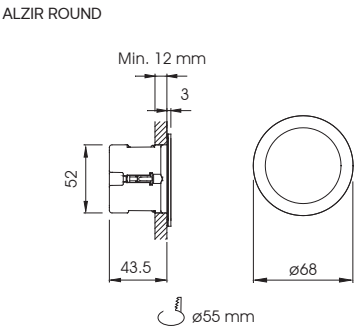
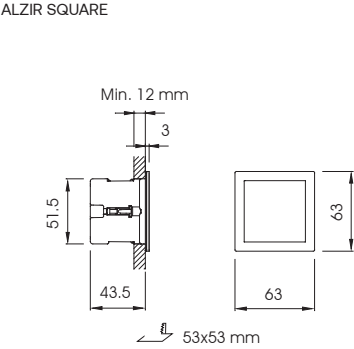
- First letter: R: Round / C: Square.
- Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK07.



MOUNTING WITH HOUSING (IP66 IK07)



MOUNTING WITHOUT HOUSING (IP65 IK07)



Self-contained ALZIR-Sherpa Replacement

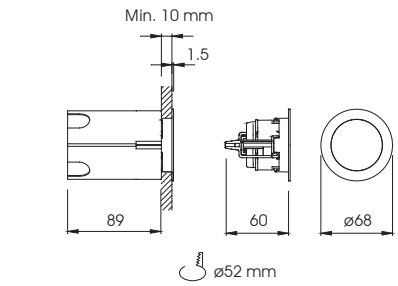
DISCOUNT LEVEL B		
Model	Luminance distribution	Shape
Alzir-She Front projection		
Alzir-She/A RS		
Alzir-She Floor floodlight		
Alzir-She/A RC		

FINISHES		
Finish of	Description	Marking
Power supply	220-230V, 50/60Hz	(230V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
Trim colour	Bright chrome	(CHR-B)
	Silver grey	(RAL9006)
	Matte white	(BM)
	Matte black	(NM)
LED Colour (presencia Red) (3)	Cool white (as standard)	-----
	Warm white	(WW)
	Blue	(Z)
ACCESSORIES		
Reference	Description	
TD-50 UB	Remote control for 50 Alzir beacons.	

Operation, shared data and notes:

(1) The Alzir-Replacement Sherpa Self-contained beacon comes with two lighting statuses: with mains power available (two LEDs which cannot be switched off) and without mains power (two LEDs with a duration of 1 hour). The colour of the LEDs when mains power is unavailable is always cool white.

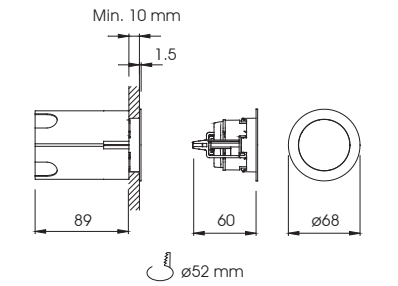
The letters of the Alzir-She/A models mean the following:· First letter: R: Round.· Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).· Protection rating: IP65 IK07 (IP66 IK07 with KE Sherpa).Not suitable for outdoor installation.



ALZIR-Sherpa Replacement Centralised/Courtesy

DISCOUNT LEVEL B		
Model	Luminance distribution	Shape
Alzir-She Front projection		
Alzir-She/C RS		
Alzir-She Floor floodlight		
Alzir-She/C RC		

FINISHES		
Finish of	Description	Marking
Power supply	220-230V, 50/60Hz (I=0,01A)	(230V)
	24V DC/AC (I=0,01A)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
Trim colour	Bright chrome	(CHR-B)
	Silver grey	(RAL9006)
	Matte white	(BM)
	Matte black	(NM)
LED Colour	Cool white (as standard)	-----
	High brightness cool white (1)	(HB)
	Warm white	(WW)
	High brightness warm white (1)	(WWHB)
	Blue	(Z)



DISCOUNT LEVEL C			
Reference	Description	Beacons supplied with power	
Power units:		Alzir Sherpa	Alzir Sherpa (HB)
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20	10
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70	30
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50	20
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-80 (NIMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20	10
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70	30
TL-40	Transformer 230 V AC/24V AC	80	40
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 25 Alzir-She per output. Maximum 12 Alzir-She (HB) per output.	100	48
Note: Technical data and dimensions of these power units on the DEN equipment page.			

Operation, shared data and notes:

(1) Provides three times more light.

Alzir-Replacement Sherpa beacon Only Alzir round. The Alzir beacon comes with an accessory enabling mounting in previously installed KE Sherpa boxes which facilitate replacement of the Sherpa family. Fitted with four high performance LEDs.The letters of the Alzir-She/C models mean the following:· First letter: R: Round· Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK07 (IP66 IK07 with KE Sherpa).

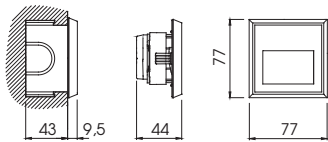
Self-contained LECU

Model	Luminance distribution	Shape
Lecu Front projection		
Lecu/A RS (1)		
Lecu/A CS (2)		
Lecu Floor floodlight		
Lecu/A RC (1)		
Lecu/A CC (2)		

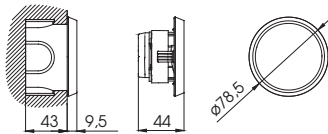
LECU
LECU/A



LECU SQUARE
FOR GENERAL PURPOSE ROUND OR SQUARE HOUSINGS



LECU ROUND
FOR GENERAL PURPOSE ROUND HOUSING



LECU Centralised/Courtesy

Model	Luminance distribution	Shape
Lecu Front projection		
Lecu/C RS (1)		
Lecu/C CS (2)		
Lecu Floor floodlight		
Lecu/C RC (1)		
Lecu/C CC (2)		

FINISHES		
Finish of	Description	Marking
Power supply	220-230V, 50/60Hz (I=0,01A)	(230V)
	24V AC/DC (I=0,01A)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Bright chrome	(CHR-B)
Trim colour	Silver grey	(RAL9006)
	Matte white	(BM)
	Matte black	(NM)
LED Colour	Cool white (as standard)	-----
	High brightness cool white (3)	(HB)
	Warm white	(WW)
	High brightness warm white (3)	(WWHB)
	Blue	(Z)

Reference	Description	Beacons supplied with power	
Power units:		Lecu	Lecu C
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20	10
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70	30
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50	20
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-80 (NIMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130	55
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20	10
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70	30
TL-40	Transformer 230 V AC/24V AC	80	40
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 25 Lecu per output. Maximum 12 Lecu (HB) per output.	100	48

Note: Technical data and dimensions of these power units on the PBL equipment page.

Operation, shared data and notes:

The Lecu Series comes WITHOUT housing.

- (1) Beacon for general purpose round housing.
- (2) Beacon for general purpose round or square housings.
- (3) Provides three times more light.

Fitted with four high performance LEDs.

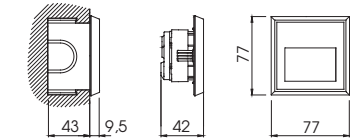
The letters of the Lecu/C models mean the following:

- First letter: R: Round / C: Square.
- Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK06 (IP66 IK06 with box).

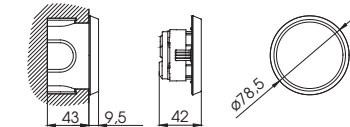
LECU
LECU/C



LECU SQUARE
OR GENERAL PURPOSE ROUND OR SQUARE HOUSINGS.



LECU ROUND
FOR GENERAL PURPOSE ROUND HOUSING



Operation, shared data and notes:

The Lecu Series comes WITHOUT housing.

- (1) Beacon for general purpose round housing.
- (2) Beacon for general purpose round or square housings.
- (3) Comes with two lighting statuses: With mains power available (two LEDs which cannot be switched off) and without mains power (two LEDs with a duration of 1 hour). The colour of the two LEDs when mains power is unavailable is always cool white.

The letters of the Lecu/A models mean the following:

- First letter: R: Round / C: Square.
 - Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).Protection rating: IP65 IK06 (IP66 IK06 with box).
- Not suitable for outdoor installation.

LECU LX Centralised/Courtesy (50 LUM)

Model	Luminance distribution	Shape
Lecu LX Front projection		
Lecu LX/C RS (1)		
Lecu LX/C CS (2)		
Lecu LX Floor floodlight		
Lecu LX/C RC (1)		
Lecu LX/C CC (2)		

ACCESSORIES

Finish of	Description	Marking
Power supply	110-240V 50/60Hz, 170-320V DC	-----
	24V DC / AC (I=0,04A DC)	(24V)
Front projection diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
	Black/opal glass	(NO)
Floor floodlight diffuser colour	White/transparent glass	(BT)
	Black/transparent glass	(NT)
Trim colour	Bright chrome	(CHR-B)
	Silver grey	(RAL9006)
	Matte white	(BM)
	Matte black	(NM)
LED Colour	Cool white (as standard)	-----
	Warm white	(WW)

Reference	Description	Beacons supplied with power
Power units:		Lecu LX
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	5
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	16
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	12
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	5
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	16
TL-40	Transformer 230 V AC/24V AC	12
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 3 Lecu LX per output.	12
Note: Technical data and dimensions of these power units on the PBL equipment page.		

Operation, shared data and notes:

The Lecu Series comes WITHOUT housing.

(1) Beacon for general purpose round housing.

(2) Beacon for general purpose round or square housings.

Fitted with four high performance LEDs.

The letters of the Lecu LX/C models mean the following:

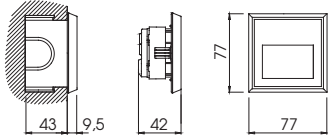
- First letter: R: Round / C: Square.
- Second letter: C: With deflector (floor floodlight) / S: Without deflector (front projection).

Protection rating: IP65 IK06 (IP66 IK06 with box).

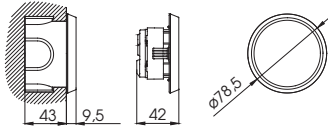
LECU
LECU LX/C



LECU SQUARE
FOR GENERAL PURPOSE ROUND OR SQUARE HOUSINGS



LECU ROUND
FOR GENERAL PURPOSE ROUND HOUSING



AQUA

Model	LED colours
Aqua round	
Aqua R/B	Cool white
Aqua R/WW	Warm white
Aqua R/Z	Blue
Aqua R/V	Green
Aqua R/A	Amber
Aqua R/R	Red
Aqua square	
Aqua C/B	Cool white
Aqua C/WW	Warm white
Aqua C/Z	Blue
Aqua C/V	Green
Aqua C/A	Amber
Aqua C/R	Red

FINISHES

Finish of	Description	Marking
Power supply	220-230V, 50/60Hz	(230V)
	24V AC/DC (I=0,02A)	(24V)
Diffuser	Opal	-----
	Opal customised	(OPAL-P)
Installation	Two cable inlets Two inlets with compression glands for 5 to 7 mm conduits. Ease of installation since it enables coupling of the connection in the beacon itself.	-----
	One cable inlet (1M) Single inlet with compression gland for 5.5 to 9 mm conduits.	(1M)

FINISHES

Reference	Description
KE Aqua	Aqua recessed mounting box

Reference	Description	Beacons supplied with power
Power units:		Aqua
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	10
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	35
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	25
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	65
PBL-80 (NiMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	65
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	10
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	35
TL-40	Transformer 230 V AC/24V AC	40
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 12 Aqua per output.	48
Note: Technical data and dimensions of these power units on the PBL equipment page.		

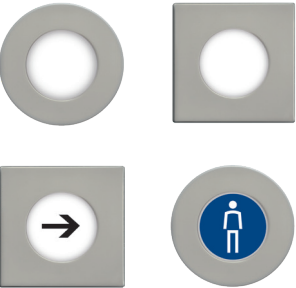
Operation, shared data and notes:

The Aqua beacon comes with a recessed mounting box (as standard).

Drainage necessary to prevent accumulation of water

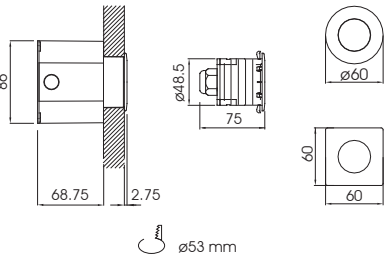
Protection rating: IP66 IK07. NOT SUITABLE FOR IMMERSION.

AQUA

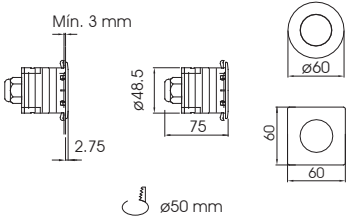


Option of opaline or customised diffuser (black or coloured) on request.

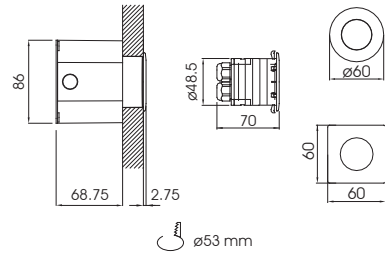
AQUA WITH 1 COMPRESSION GLAND
MOUNTING WITH HOUSING



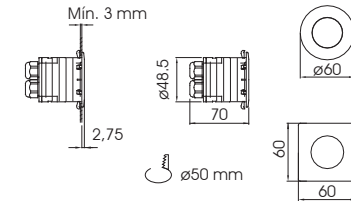
MOUNTING WITHOUT HOUSING



AQUA WITH 2 COMPRESSION GLANDS
MOUNTING WITH HOUSING



MOUNTING WITHOUT HOUSING



LYRA

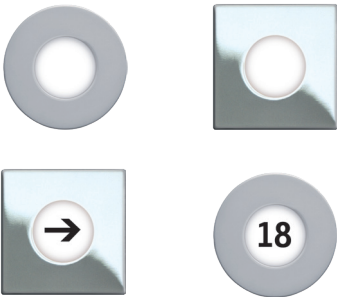
Model	LED colours
Lyra round	
Lyra R/B	Cool white
Lyra R/WW	Warm white
Lyra R/Z	Blue
Lyra R/V	Green
Lyra R/A	Amber
Lyra R/R	Red
Lyra square	
Lyra C/B	Cool white
Lyra C/WW	Warm white
Lyra C/Z	Blue
Lyra C/V	Green
Lyra C/A	Amber
Lyra C/R	Red

FINISHES		
Finish of	Description	Marking
Colour	Inox	(INOX)
	Matt chrome	(CHR-M)
	Bright chrome	(CHR-B)
	Nickel	(NI)
	Gold	(AU)
	Matte black	(NM)
Diffuser	Opal	(OPAL)
	Transparent	(TR)
	Opal customised	(OPAL-P)
Power supply	220-230V, 50/60Hz	(230V)
	24V AC/DC (I=0,01A)	(24V)
ACCESSORIES		
Reference	Description	
KE Lyra	Lyra recessed mounting box.	
KPC Lyra	Positioner for installing the recessed mounting box on surfaces such as marble, wood, tile, formwork and concrete...	

Reference	Description	Beacons supplied with power
Power units:		Lyra
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130
PBL-80 (NiMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70
TL-40	Transformer 230 V AC/24V AC	80
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 25 Lyra per output.	100
Note: Technical data and dimensions of these power units on the PBL equipment page.		

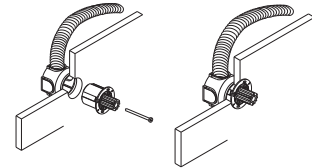
Operation, shared data and notes:
The Lyra beacon comes with a recessed mounting box (as standard).
Protection rating: IP62 IK07.

LYRA

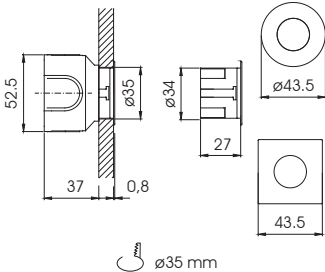


Option of opaline or customised diffuser (black) on request

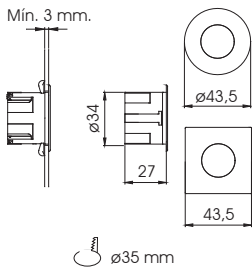
Installation of box with KPC Lyra positioner



MOUNTING WITH HOUSING



MOUNTING WITHOUT HOUSING



LEDA

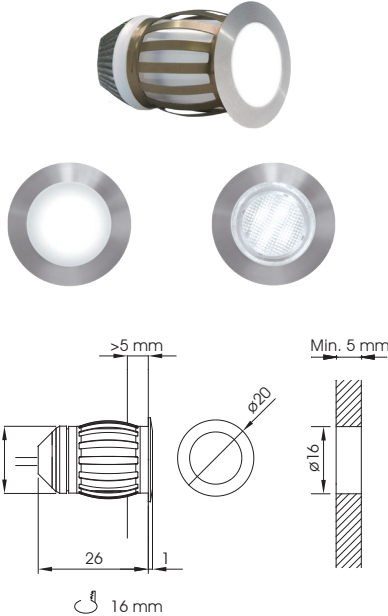
Model	LED colours	Power supply
Leda B	Cool white	24V AC/DC (I=0,01 A)
Leda WW	Warm white	24V AC/DC (I=0,01 A)
Leda Z	Blue	24V AC/DC (I=0,01 A)
Leda V	Green	24V AC/DC (I=0,01 A)
Leda A	Amber	24V AC/DC (I=0,01 A)
Leda R	Red	24V AC/DC (I=0,01 A)

FINISHES		
Finish of	Description	Marking
Diffuser	Opal	(OPAL)
	Transparent	(TR)
ACCESSORIES		
Reference	Description	
KE Leda	Leda recessed mounting box.	

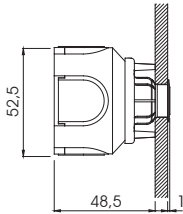
Reference	Description	Beacons supplied with power
Power units:		Leda
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50
PBL-80	Power unit with maintained output at 24 V AC/DC, 1,2 A. Power 220V AC/50Hz. Fitted with Ni-Cd battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130
PBL-80 (NiMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70
TL-40	Transformer 230 V AC/24V AC	80
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 3 Alzir LX beacons per output.	100
Note: Technical data and dimensions of these power units on the PBL equipment page.		

Operation, shared data and notes:
The Leda beacon is supplied with a 15m cable. For other measurements consult the factory.
Made of polished AISI 316L stainless steel.
Protection rating: IP64 IK07.

LEDA



KE LEDA



LEDA-ES (Leda Watertight)

Body and diffuser in synthetic material and trim in polished AISI 316L stainless steel.

Model	LED colours	Power supply
Leda-ES B	Cool white	24V AC/DC (I=0,01 A)
Leda-ES WW	Warm white	24V AC/DC (I=0,01 A)
Leda-ES Z	Blue	24V AC/DC (I=0,01 A)
Leda-ES V	Green	24V AC/DC (I=0,01 A)
Leda-ES A	Amber	24V AC/DC (I=0,01 A)
Leda-ES R	Red	24V AC/DC (I=0,01 A)

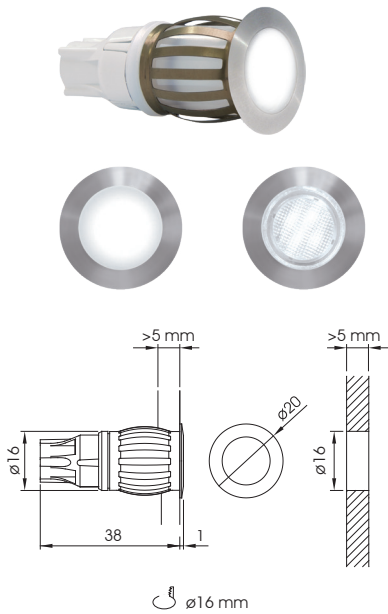
FINISHES

Finish of	Description	Marking
Diffuser	Opal	(OPAL)
	Transparent	(TR)

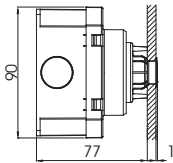
ACCESSORIES LEDA-ES

Reference	Description
KE Leda-ES	Leda-ES recessed mounting box, for installations without rear access (brick wall, tiling, stairways, etc.).

LEDA-ES



KE LEDA-ES



CLAVO-MD

Model	LED colours	Power supply
Clavo-MD B	Cool white	24V AC/DC (I=0,01 A)
Clavo-MD WW	Warm white	24V AC/DC (I=0,01 A)
Clavo-MD Z	Blue	24V AC/DC (I=0,01 A)
Clavo-MD V	Green	24V AC/DC (I=0,01 A)
Clavo-MD A	Amber	24V AC/DC (I=0,01 A)
Clavo-MD R	Red	24V AC/DC (I=0,01 A)

CLAVO

Non Suitable for installation on (hard) materials such as stone, block, brick...

Model	LED colours	Power supply
Clavo B	Cool white	24V AC/DC (I=0,01 A)
Clavo WW	Warm white	24V AC/DC (I=0,01 A)
Clavo Z	Blue	24V AC/DC (I=0,01 A)
Clavo V	Green	24V AC/DC (I=0,01 A)
Clavo A	Amber	24V AC/DC (I=0,01 A)
Clavo R	Red	24V AC/DC (I=0,01 A)

FINISHES CLAVO-MD / CLAVO

Finish of	Description	Marking
Diffuser	Opal	(OPAL)
	Transparent	(TR)

ACCESSORIES CLAVO-MD / CLAVO

Reference	Description
KE Clavo-MD	Clavo-MD recessed mounting box
KE Clavo	Clavo recessed mounting box

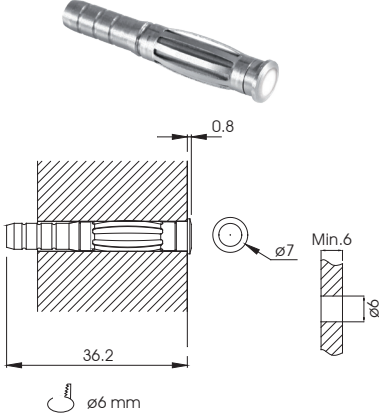
Reference	Description	Beacons supplied with power
Power units:		Clavo-MD/Clavo
PBL-24-02	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	20
PBL-24-06	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	70
PBL-25	Power unit with maintained output at 24 V AC/DC 0,38 A. Fitted with Ni-Mh battery. Provides 1 hour of duration.	50
PBL-80	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130
PBL-80 (NIMH)	Power unit with maintained output at 24 V AC/DC 1,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. With 2 power levels, one adjustable, with the mains power available. Self-test mode operation.	130
PBL-24-02 TCA	Power unit with maintained output at 24 V DC, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	20
PBL-24-06 TCA	Power unit with maintained output at 24 V DC, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration. Includes microprocessor for operation with DaisaTest central system	70
TL-40	Transformer 230 V AC/24V AC	80
DIR-1	Directional coupler switch at 24 V AC/DC enabling one of four beacons to light up sequentially to indicate a direction. Maximum 25 Clavo-MD or Clavo beacons per output.	100

Note: Technical data and dimensions of these power units on the PBL Units page.

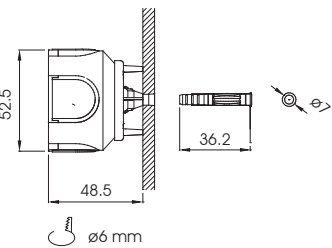
Operation, shared data and notes:

The Clavo and Clavo-MD beacons are supplied with a 1.5m cable. For other measurements consult the factory. Protection rating: IP64 IK07.

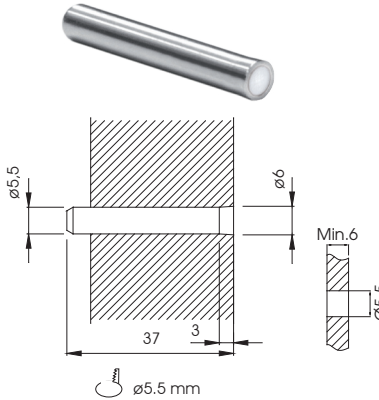
CLAVO-MD



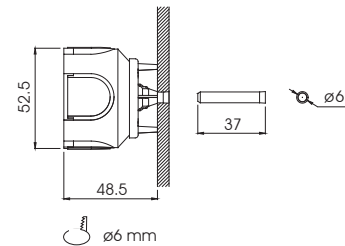
KE CLAVO-MD



CLAVO



KE CLAVO



Operation, shared data and notes:

The Leda-ES beacons are supplied with a 1.5m cable. For other measurements consult the factory. Protection rating: IP65 IK07.

SHERPA Self-contained

Model	Duration	Power	Light source
Sherpa/A RC	1h	230V 50Hz	LED
Sherpa/A RS	1h	230V 50Hz	LED
Sherpa/A CC	1h	230V 50Hz	LED
Sherpa/A CS	1h	230V 50Hz	LED

FINISHES			
Finish of	Description	Marking	
Colour LED	Red (as standard)	-----	
	White	(B)	
	Blue	(Z)	
	Green	(V)	
	Amber	(A)	
Colour or coat	NEXTEL GREY (as standard)	-----	
	PAINTED WHITE (1)	Mod: RC y RS	(BL)
		Mod: CC y CS	(BL)
	CHROME	Mod: RC y RS	(CHR)
		Mod: CC y CS	(CHR)
	NICKEL	Mod: RC y RS	(NI)
		Mod: CC y CS	(NI)
	MATTE BLACK	Mod: RC and RS	(NM)
		Mod: CC and CS	(NM)

ACCESSORIES	
Reference	Description
KE Sherpa	Sherpa recessed mounting box.

Operation, shared data and notes:

The Sherpa/A beacon comes with a recessed mounting box (as standard).

(1) WHITE finish with no extra cost for orders of 100 or more units. Other colours by arrangement.

The letters of the Sherpa/A models mean the following:

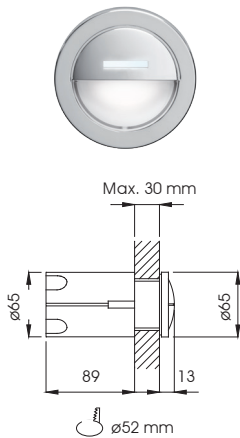
- First letter: R: Round, C: Square
- Second letter: C: With deflector, S: Without deflector

Comes with the Sherpa recessed mounting box and a positioner.

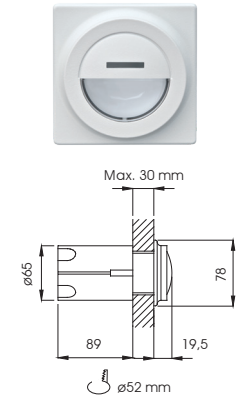
OPERATION: The presence of mains power is indicated by two LEDs (see finishes). A warm white LED lights up when mains power is unavailable.

Protection rating: IP42 IK07.

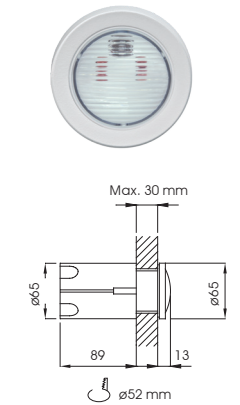
SHERPA/A RC



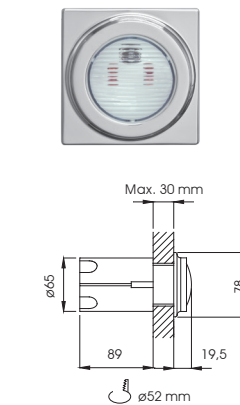
SHERPA/A CC



SHERPA/A RS



SHERPA/A CS



SHERPA Courtesy lighting

Model	Power	Light source
Sherpa/D RC (1)	See finishes	LED
Sherpa/D RS (1)	See finishes	LED
Sherpa/D CC (1)(2)	See finishes	LED
Sherpa/D CS (1)(2)	See finishes	LED

FINISHES			
Finish of	Description		Marking
Power supply	12V AC/DC (3)		(12V)
	24V AC/DC (3)		(24V)
	220-230V, 50/60Hz (3)		(230V)
Colour or coat	NEXTEL GREY (as standard)		-----
	PAINTED WHITE (4)	Mod: RC y RS	(BL)
		Mod: CC y CS	(BL)
	CHROME	Mod: RC y RS	(CHR)
		Mod: CC y CS	(CHR)
	NICKEL	Mod: RC y RS	(NI)
		Mod: CC y CS	(NI)
	MATTE BLACK	Mod: RC and RS	(NM)
		Mod: CC and CS	(NM)

ACCESSORIES	
Reference	Description
KE Sherpa	Sherpa recessed mounting box.

Operation, shared data and notes:

(1) The recessed mounting box is NOT included in the price of Sherpa/D models.

The letters of the Sherpa/D models mean the following:

- First letter: R: Round, C: Square
- Second letter: C: With deflector, S: Without deflector

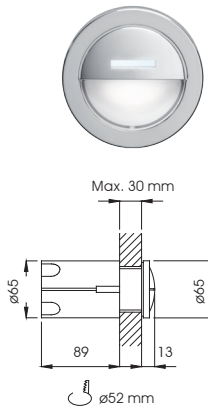
(2) Can be installed in general purpose junction housings.

(3) OPERATION: a warm white LED lights up when mains power is available.

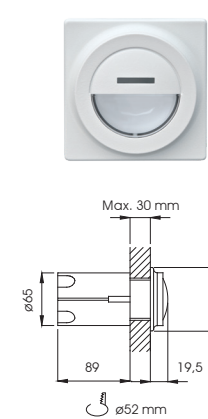
(4) WHITE finish with no extra cost for orders of 100 or more units. Other colours by arrangement with the factory.

Protection rating: IP42 IK07.

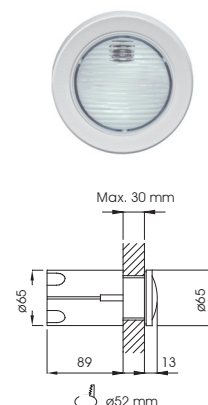
SHERPA/D RC + KE SHERPA



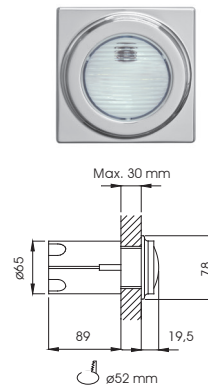
SHERPA/D CC + KE SHERPA



SHERPA/D RS + KE SHERPA



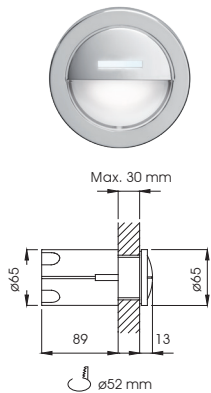
SHERPA/D CS + KE SHERPA



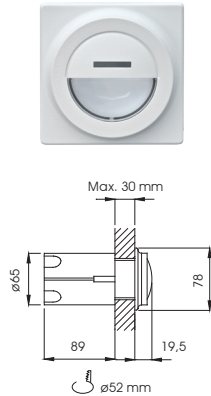
SHERPA Centralised

Model	Power	Light source	Signalling luminaires
Sherpa/C RC (1)	PBS UNITS*	LED	Red LEDs (3)
Sherpa/C RS (1)	PBS UNITS*	LED	Red LEDs (3)
Sherpa/C CC (1)(2)	PBS UNITS*	LED	Red LEDs (3)
Sherpa/C CS (1)(2)	PBS UNITS*	LED	Red LEDs (3)
* See PBS unit section			

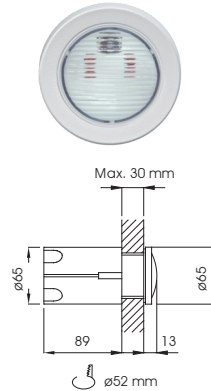
SHERPA/C RC + KE SHERPA



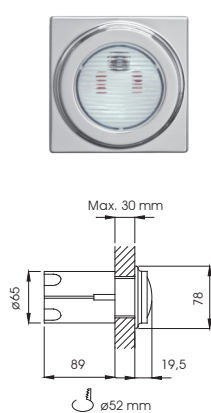
SHERPA/C CC + KE SHERPA



SHERPA/C RS + KE SHERPA



SHERPA/C CS + KE SHERPA



Operation, shared data and notes:

- (1) The recessed mounting box is NOT included in the price of Sherpa/C models.
- (2) Can be installed in general purpose junction housings.
- (3) Other colour LEDs by arrangement with the factory.

The letters of the Sherpa/C models mean the following:

- First letter: R: Round, C: Square
- Second letter: C: With deflector, S: Without deflector

OPERATION: The presence of mains power is indicated by two red LEDs A warm white LED lights up when mains power is unavailable.

- (4) 12 V finish marked (12 V) must be requested when the beacon is to be supplied by the PBS-10.
- (5) WHITE finish with no extra cost for orders of 100 or more units. Other colours by arrangement with the factory.

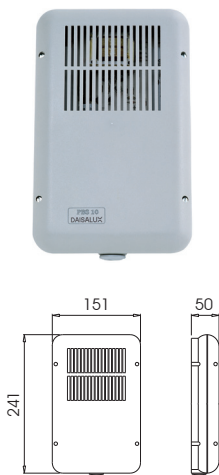
Protection rating: IP42 IK07.

PBS UNITS

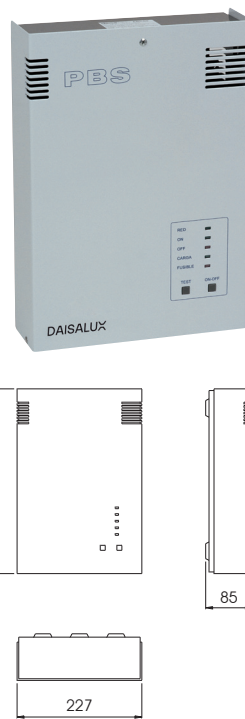
To supply beacon models Sherpa/C

Model	Duration	Power supply	Mains power available	Power mains unavailable	Nº of Sherpa/C beacons supplied	
					LED	Incandescent (Old)
PBS-10 (1)	1 h	230V AC.	-6V DC	+12V DC	15	10
PBS-20	1 h	230V AC	-6V DC	+24V DC	50	20
PBS-60	1 h	230V AC	-6V DC	+24V DC	80	60

PBS-10



PBS-20 / PBS-60



Operation, shared data and notes:

- (1) PBS-10 units can only supply beacons with the (12 V) finish.

Protection rating: IP20 IK04.

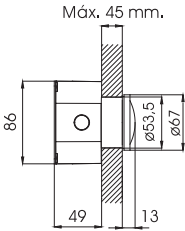
ARAS Self-contained

Model	Nextel	White	Chrome	Nickel	Gold	Inox	Power
Aras/A RC	Yes	Yes	Yes	Yes	Yes	-	230V 50Hz
Aras/A RS	Yes	Yes	Yes	Yes	Yes	-	230V 50Hz
Aras/A S (1)	-	-	Yes	Yes	Yes	Yes	230V 50Hz
Aras/A SM (1)(2)	-	-	Yes	Yes	Yes	Yes	230V 50Hz

ARAS RC / ARAS RS

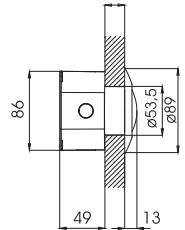


Installation with flush mount box for Aras RC and RS models.

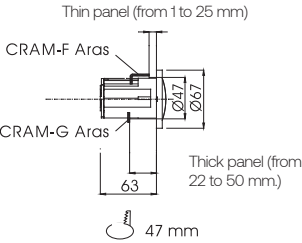


Installation with exterior decorative ring for Aras RC and RS models

KMR Aras



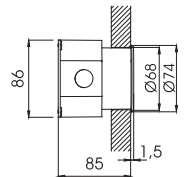
Installation with clamps (without box) for Aras RC and RS models



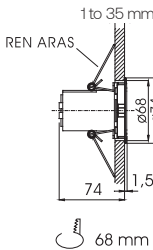
ARAS S / ARAS SM CUSTOMIZABLE



Installation with recessed box for Aras S and SM models



Installation with spring (without box) for Aras S and SM models



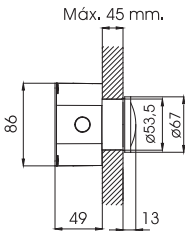
ARAS Self-Contained with Maintained LEDs

Model	Nextel	White	Chrome	Nickel	Gold	Inox	Power	€
Aras/P RC	Yes	Yes	Yes	Yes	Yes	-	230V 50Hz	65,1
Aras/P RS	Yes	Yes	Yes	Yes	Yes	-	230V 50Hz	65,1
Aras/P S	-	-	Yes	Yes	Yes	Yes	230V 50Hz	88,26
Aras/P SM (1)(2)	-	-	Yes	Yes	Yes	Yes	230V 50Hz	93,12

ARAS RC / ARAS RS

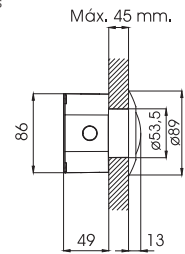


Installation with recessed box for Aras RC and RS models

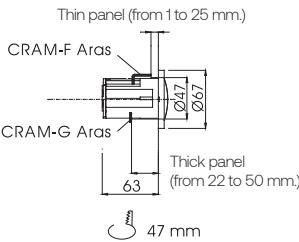


Installation with external decorative ring for Aras RC and RS models

KMR Aras



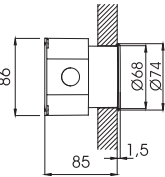
Installation with clips (without box) for Aras RC and RS models



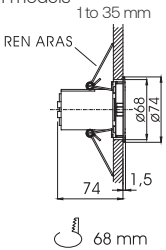
ARAS S / ARAS SM CUSTOMIZABLE



Installation with recessed box for Aras S and SM models



Installation with spring (without box) for Aras S and SM models



Operation, shared data and notes:

The Aras/A beacon has two lighting states: when the power supply is present (2 LEDs) and when the power supply is absent (1 warm white LED, 1 hour of autonomy).

All models come with an opaline diffuser as standard, except for the RC and RS models, which come with a transparent diffuser as standard and offer the opaline diffuser as an alternative.

- (1) The S and SM beacon models do not support crampons and are installed using a recessed box or the REN Aras spring.
- (2) The price of the customizable beacon is for orders of 100 units or more. For smaller orders, please inquire.
- (3) The KMR Aras accessory (outer trim ring) is available for RC and RS beacons in all colors except graphite and stainless steel.

The letters of the Aras/A models mean the following:

- First letter: R: Round, S: Floor
- Second letter: C: With visor, S: Without visor, M: Customizable.

Protection rating: IP64 IK07.

Operation, shared data and notes:

The Aras/P beacon has two lighting states: It illuminates 2 LEDs both in the presence and absence of the power supply (in the absence of power, it has an autonomy of over 5 hours).

All models come standard with an opal diffuser, except for the RC and RS models, which come with a transparent diffuser as standard and offer the opal diffuser as an alternative.

- (1) The S and SM beacon models do not support clamps and are installed with a recessed box or with the REN Aras spring.
- (2) The price of the customizable beacon is for orders of 100 units or more. For smaller orders, please inquire.
- (3) The KMR Aras accessory (exterior decorative ring) is available for RC and RS beacons in all colors except graphite and stainless steel.

The letters of the Alzir Aras/P models mean the following:

- First letter: R: Round, S: Floor
- Second letter: C: With visor, S: Without visor, M: Customizable.

Protection rating: IP64 IK07.

PBL UNITS

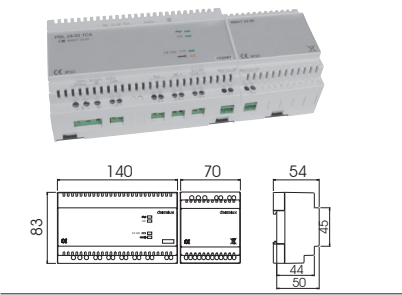
Reference	Description
PBL-24-02	Power units with batteries with maintained output at 24V, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration at maximum output consumption. Provided with over-current and output short circuit protection with automatic reset.
PBL-24-06	Power units with batteries with maintained output at 24V, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration at maximum output consumption. Provided with over-current and output short circuit protection with automatic reset.
PBL-25	Power units with batteries with maintained output at 24V, 0,38 A. Fitted with Ni-Cd battery. Provides 1 hour of duration.
PBL-80	Power units with batteries with maintained output at 24V, 1,2 A. Power 220V AC/50Hz. Fitted with Ni-Cd battery. Provides 1 hour of duration. When mains power is available it has two power levels available, one being adjustable. Self-test mode operation.
PBL-80 (NiMH)	Power units with batteries with maintained output at 24V, 1,2 A. Power 220V AC/50Hz. Fitted with Ni-Mh battery. Provides 1 hour of duration. When mains power is available it has two power levels available, one being adjustable. Self-test mode operation.
PBL-24-02 TCA	Power units with batteries with maintained output at 24V, 0,2 A. Fitted with Ni-Mh battery. Provides 1 hour of duration at maximum output consumption. Provided with over-current and output short circuit protection with automatic reset. Includes microprocessor for operation with DaisaTest central system Allows control of DIR-1 accessory through the DaisaTest Centralised System.
PBL-24-06 TCA	Power units with batteries with maintained output at 24V, 0,6 A. Fitted with Ni-Mh battery. Provides 1 hour of duration at maximum output consumption. Provided with over-current and output short circuit protection with automatic reset. Includes microprocessor for operation with DaisaTest central system Allows control of DIR-1 accessory through the DaisaTest Centralised System.
PBL-12-04	Power units with batteries with maintained output at 12V, 0,42 A. Fitted with Ni-Cd battery. Provides 1 hour of duration at maximum output consumption. Provided with output short circuit protection with automatic reset.
PBL-12-06	Power units with batteries with maintained output at 12V, 0,66 A. Fitted with Ni-Mh battery. Provides 1 hour of duration at maximum output consumption. Provided with output short circuit protection with automatic reset.
PBL-12-03 TCA	Power units with batteries with maintained output at 12V, 0,36 A. Fitted with Ni-Cd battery. Provides 1 hour of duration at maximum output consumption. Provided with output short circuit protection w
PBL-12-06 TCA	Power units with batteries with maintained output at 12V, 0,66 A. Fitted with Ni-Mh battery. Provides 1 hour of duration at maximum output consumption. Provided with output short circuit protection with automatic reset. Includes microprocessor for operation with DaisaTest central system

Maximum number of 24 V beacons: Alzir, Lecu, Aqua, Lyra, Leda and Clavo supplied by the different centralised battery systems; with a duration of 1 h.

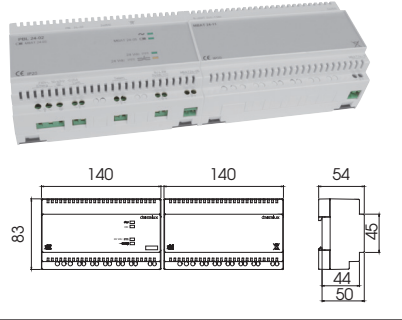
Model	Alzir Lecu	Alzir (HB) Lecu (HB)	Alzir LX Lecu LX	Aqua	Lyra	Leda Leda-ES	Clavo-MD Clavo
PBL-24-02	20	10	5	10	20	20	20
PBL-24-06	70	30	16	35	70	70	70
PBL-25	50	20	12	25	50	50	50
PBL-80	130	55	----	65	130	130	130
PBL-80 (NiMH)	130	55	----	65	130	130	130
PBL-24-02 TCA	20	10	5	10	20	20	20
PBL-24-06 TCA	70	30	16	35	70	70	70

Operation, shared data and notes:
The models equipped with Ni-Mh battery technology include a pulse-load microprocessing system that enables an considerable reduction of energy consumption.

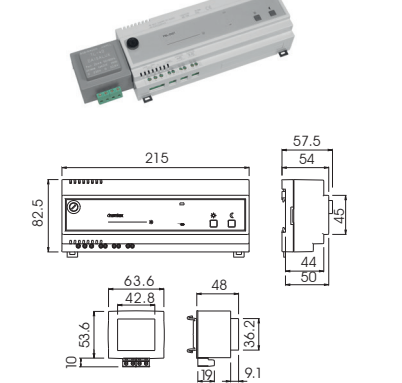
PBL-24-02



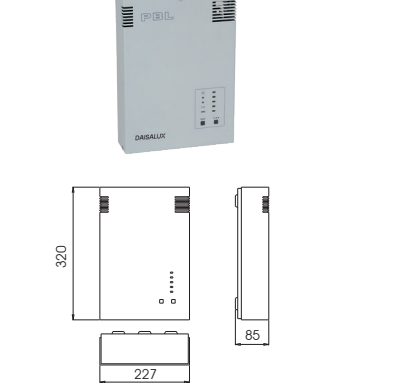
PBL-24-06



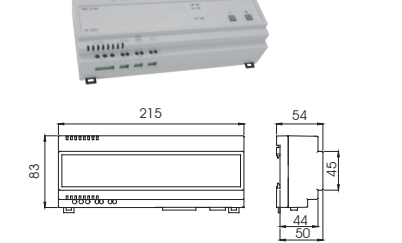
PBL-25



PBL-80



PBL-12

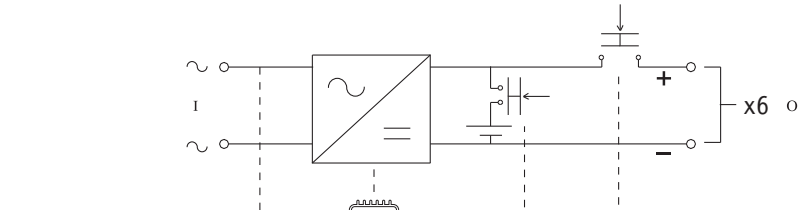


LPS UNITS

Central battery low power systems with an output power of 24 V DC designed and constructed in accordance with the EN 50171 standard.

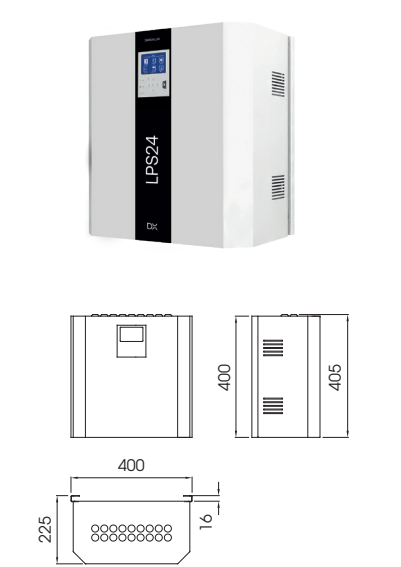
- Maximum output power: 300 W.
- 6 4A output circuits with double terminal. Configuration: maintained/non-maintained
- Active protection against short-circuits.
- Option of installing for Daisalux beacons with dimming.
- Control panel with graphic display. Keyboard for configuration and monitoring of the central battery.
- Ethernet connection included for DaisaTest System.
- Ethernet connection for web server (see LPSLan accessory).
- Inputs: 4 digital, 1 analogue for regulating Daisalux beacons, 1 for remote control.
- Alarms: 4 dry contacts.
- Programmable duration from 0.5 to 8 h. (0.5 / 1 / 1.5 / 2 / 3 / 6 / 8)
- Watertight valve-regulated lead-acid battery (VRLA).

Model	Description	Battery
LPS24-26	405x400x225	24V-26 Ah
LPS24-65	605x400x225	24V-65 Ah

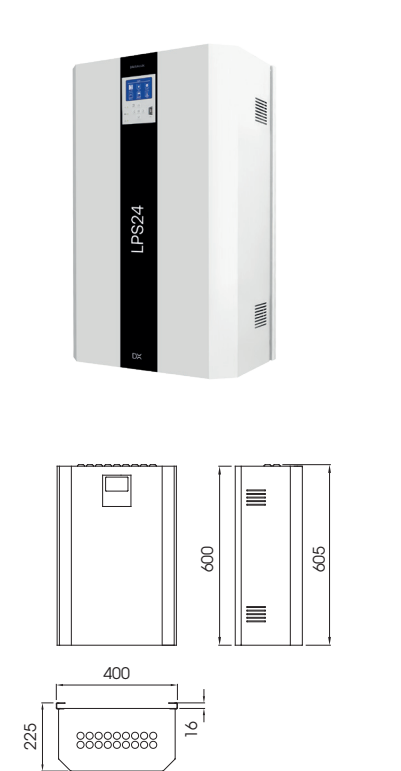


FINISHES		
Finish of	Description	Marking
Power supply	220-230V 50/60Hz (as standard)	-----
	110-127V 50/60Hz	(110-127V)
ACCESSORIES		
Reference	Description	
LPSLan	Ethernet communication module with web server and Modbus TCP server.	
DR-3	Remote three phase/single phase mains failure detector.	

LPS24-26



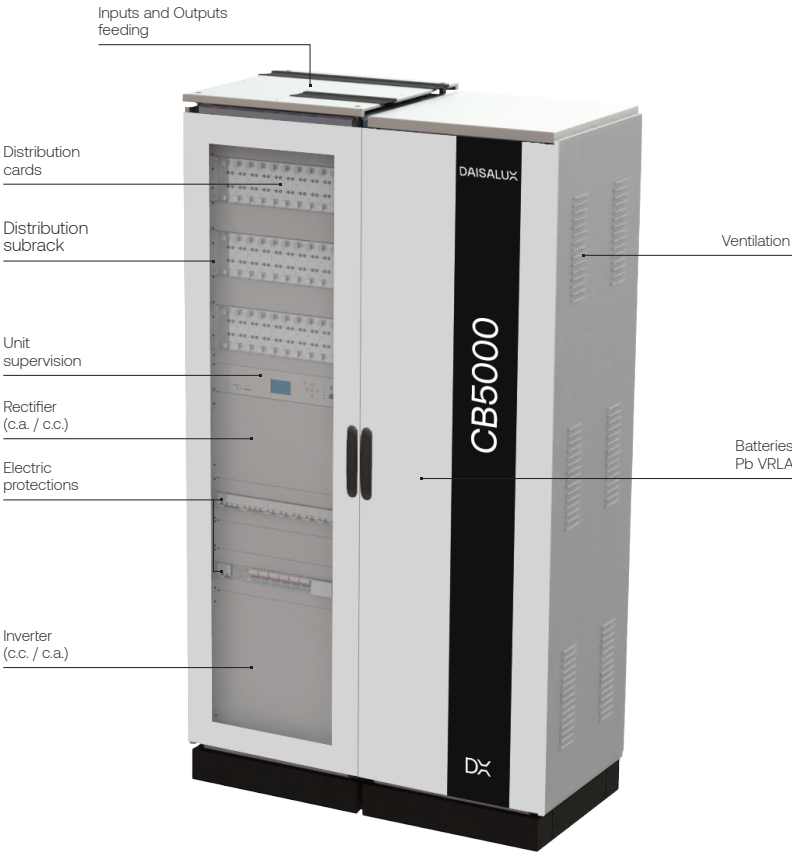
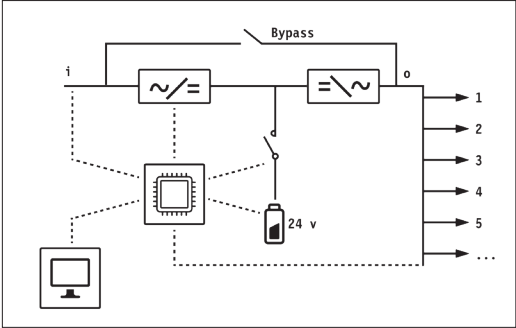
LPS24-65



CB UNITS

The CB series centralised emergency lighting equipment has been designed and built in accordance with the EN 50171 standard in switched mode or without interruption. These are centralised units with 230V AC / 24V DC output voltages and maximum power outputs of 580 VA, 800 VA, 1250 VA, 2500 VA, 3300 VA, 5000 VA and 7500 VA.

Internal functioning scheme



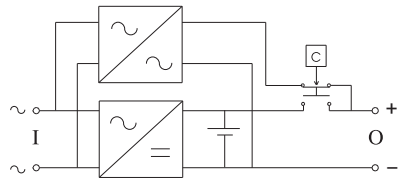
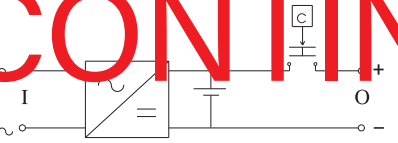
CB Units are units that must be calculated and supervised by a Daisalux technician. As it is custom equipment, it is necessary to have a list of luminaires to be installed, number of necessary circuits, distribution of luminaires per circuit, necessary autonomy, safety margin for extensions and other types of requirements.

- Maximum of 20 output circuitson CB580, CB800, and CB1250, 40 circuits on CB2500 and CB3300, and 60 circuits on CB5000 and CB7500.
 - Possibility of configuring different autonomies for each output circuit.
 - Valve Regulated Sealed Lead Acid Batteries (VRLA).
 - Fast battery charging process.
 - Power inlets and outlets from the top.
 - Control panel for configuration and monitoring of the equipment.
- Front mini-USB port for connection to PC.
 - Ethernet connection with PC for DaisaTest System.
 - Integration with DaisaTest System for maintenance management (EN50172).
 - Communication via Modbus protocol in installations with DaisaTest software.
 - Possibility of communication with centralised ELC-type luminaires.
 - Available ELC communication modules for conventional luminaires.
- Inputs: 2 auxiliary inputs for remote actions.
 - Communications port for EV-BUS.
 - One 230V output for installation of the EV-ALIM bus power supply.
 - Alarms: 5 potential-free contacts for faults, alarms and equipment status (EN-50171).

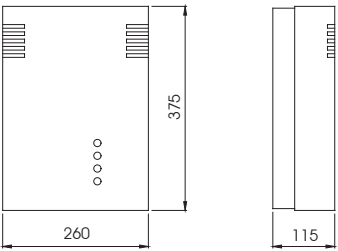
DNH UNITS

Model	Duration	Battery NiCd	Output		
			Power	Mains power available	Power mains unavailable
Technical and emergency lighting					
DNH-50EP	> 1 h	12V 7Ah	50 W	12V AC	12V DC
DNH-100EP	> 1 h	2X12V 7Ah	2X50 W	12V AC	12V DC

DISCONTINUED



DNH

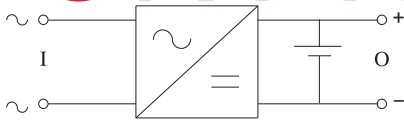


DINN UNITS

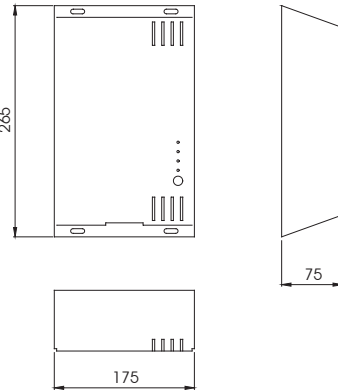
Power units with batteries DINN units

Model	Duration	Battery NiCd	Output				
			Power Max. maintained	Maximum maintained power	Mains power available	Power mains unavailable	Maximum ripple power
Application in transformer stations							
Maintained:							
DINN 24	>1h30 min.	24V 15Ah	15 W	72 W	24V DC	24V DC	1%
DINN 48	>1h30 min.	48V 15Ah	15 W	144 W	48V DC	48V DC	1%

DISCONTINUED



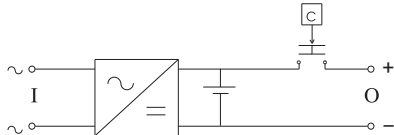
DINN



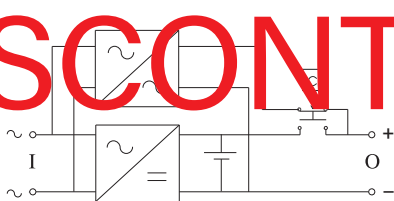
Operation, shared data and notes:
Protection rating: IP20 IK04.

DEN UNITS

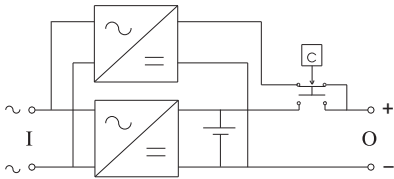
Model	Duration	Battery NiCd	Output			
			Mains power available	Power mains unavailable	Maximum power	Maximum current
Emergency operation only: (f)						
DENS 24 / 86	> 1 h	24V 4 Ah	-----	24V DC	86 W	3,6 A
DENS 24 / 151	> 1 h	24V 7 Ah	-----	24V DC	151 W	6,3 A



Model	Duration	Battery NiCd	Output			
			Mains power available	Power mains unavailable	Maximum power	Maximum current
Technical and emergency lighting: (2)						
DENA 24 / 86	> 1 h	24V 4 Ah	24V DC	24V DC	86 W	3,6 A
DENA 24 / 151	> 1 h	24V 7 Ah	24V DC	24V DC	151 W	6,3 A



Model	Duration	Battery NiCd	Output			
			Mains power available	Power mains unavailable	Maximum power	Maximum current
Technical and emergency lighting: (3)						
DENC 24 / 86	> 1 h	24V 4 Ah	24V DC	24V DC	86 W	3,6 A
DENC 24 / 151	> 1 h	24V 7 Ah	24V DC	24V DC	151 W	6,3 A



Operation, shared data and notes:

- (1) DENS units: Emergency operation only (mains outage)
- (2) DENA units: Normal (with AC mains power) and Emergency (DC mains outage) lighting.
- (3) DENC units: Normal (with DC mains power) and Emergency (DC mains outage) lighting.

The range according to the parameters of power output and battery capacity is unlimited.
Protection rating 24V units: IP55.

DEN



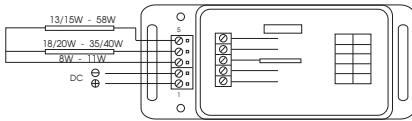
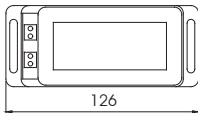
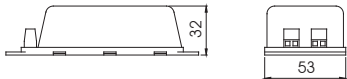
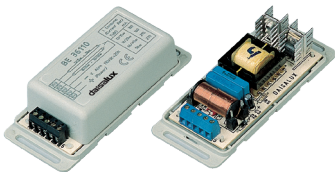
POWER SUPPLY OF 24 V



BALLAST FOR FLUORESCENCE

Model	Characteristics					Power
	Tubes of...	Consumption	Approx. lumens	Consumption	Approx. lumens	
BE 3612	13 / 15 W	0,70 A	492	18 / 20 W	1,10 A	12V DC
BE 3624	36 / 40 W	1,82 A	1.788	58 / 60 W	2,15 A	24V DC
BE 3648	58 / 60 W	2,15 A	2.035	8 W	0,07 A	48V DC
BE 3610	13 / 15 W	0,37 A	520	18 / 20 W	0,62 A	110V DC
BE 812	36 / 40 W	0,98 A	1.926	58 / 60 W	0,94 A	12V DC
BE 824	8 W	0,08 A	434	11 W	0,09 A	24V DC
BE 848	8 W	0,08 A	545	11 W	0,09 A	48V DC
BE 8110	8 W	0,08 A	568	11 W	0,09 A	110V DC

ELECTRONIC BALLAST



Operation, shared data and notes:

Compact lamps with built-in starters CANNOT be connected to any of these ballasts.

LED CONVERTER

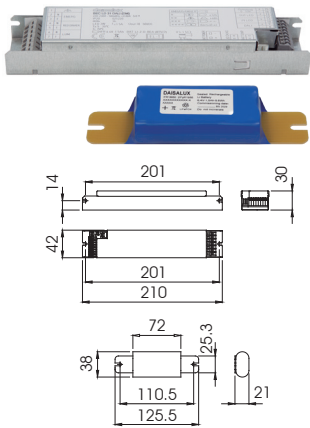
LED ConverterKit A	Specifically for Self-test
LED Converter Kit TCA	Specifically for Self-test and DaisaTest System
LED Converter Kit DALI	Specifically for DALI System

Includes microprocessor for Self-test mode operation ☐ A DaisaTest centralised management system ☐ or connection with DALI central ☐ Fill out the reference with ☐ A ☐ TCA or ☐ DALI depending on the model. TEV test control unit for BEC LD TCA: See page 148. Example of order: BEC LD 31 A / BEC LD 31 TCA / BEC LD 31 DALI

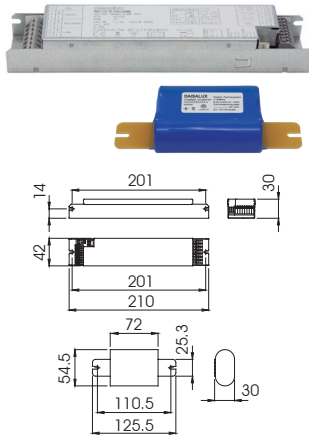
Model	Duration	Battery	Output	
			Power (W)	Voltage (V)
Constant power				
BEC LD 31 ☐	1 h	LiFePO4	3 W	10 - 50 V DC
BEC LD 81 ☐	1 h	LiFePO4	8 W	10 - 50 V DC
BEC LD 151 ☐	1 h	LiFePO4	15 W	10 - 50 V DC
BEC LD 42 ☐	2 h	LiFePO4	4,5 W	10 - 50 V DC
BEC LD 102 ☐	2 h	LiFePO4	10 W	10 - 50 V DC
BEC LD 33 ☐	3 h	LiFePO4	3 W	10 - 50 V DC
BEC LD 73 ☐	3 h	LiFePO4	7 W	10 - 50 V DC
Constant voltage				
BEC LD 12V151 ☐	1 h	LiFePO4	≤ 15 W	12 V DC
BEC LD 12V153 ☐	3 h	LiFePO4	≤ 15 W	12 V DC

Operation, shared data and notes:
The LED converter kit equipped with LiFePO4 battery technology includes a pulse-load microprocessing system that enables an important reduction of energy consumption.

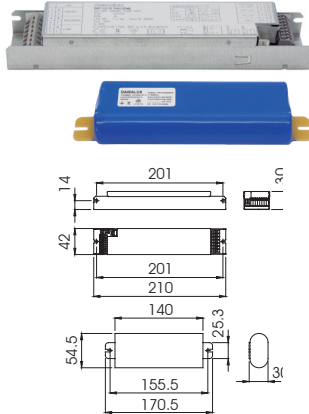
BEC LD 31



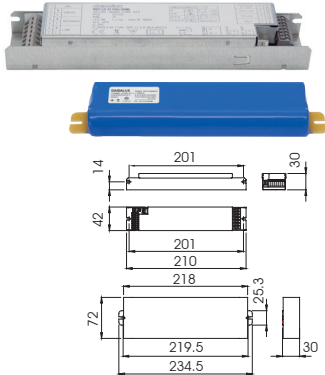
BEC LD 81, BEC LD 42, BEC LD 33



BEC LD 151, BEC LD 102, BEC LD 73, BEC LD 12V151

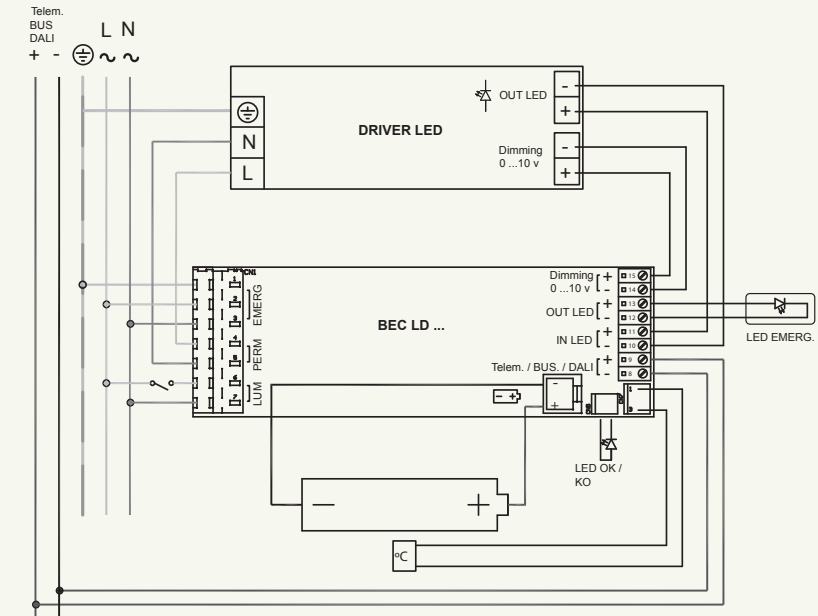


BEC LD 12V153



FINISHES

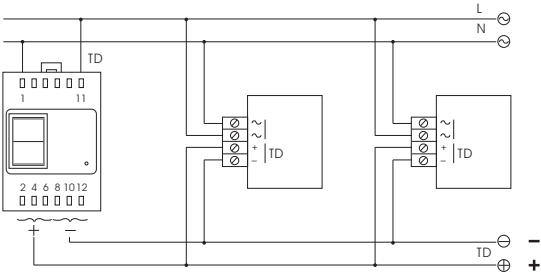
Finish of	Description	Marking
	Without Dimming (as standard)	(-----)
Dimming (Only DALI)	0-10V CC Regulation with network. (Consult factory).	(DM)



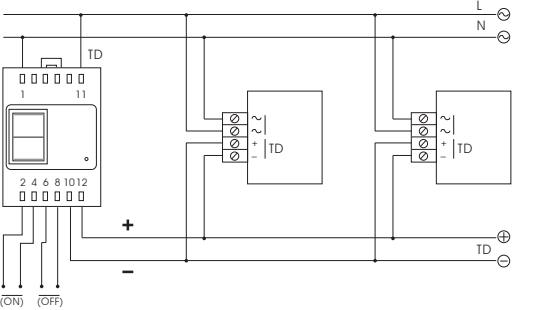
REMOTE CONTROLS

Model	Operation	Number of devices	
		Standard	A/TCA
TD-50	Sets to rest mode and relights.	100	150
TD-100	Sets to rest mode and relights.	200	300
TD-50 T	Automatic rest mode after 5 minutes. Sets to rest mode and relights. It adds an order for timed shutdown after a mains outage to the basic control function. This timing can be overridden simply by pressing the ON order.	100	150
TD-50 MP	Remote control of this operation can be enabled. Sets to rest mode and relights. Optionally it can be controlled by power-free external remote control. The order to turn on or off is sent by closing the switch.	100	150
TD-50 S	Acoustic and visual alarm 30 seconds after the mains outage. Sets to rest mode and relights. An acoustic and visual alarm during approximately 30 seconds following mains outage is added to the basic function.	100	150
TD 200 TI	The DAISALUX TD-200 TI remote control is a device that enables: - Rest mode activation and reactivation via ON/OFF button in the absence of a power supply. - Timed rest mode activation of connected devices 5 seconds after a power failure. - Inhibition of the timed rest mode activation.	---	200

TD-50, TD-100, TD-50 S, TD-50 T

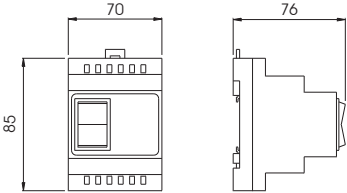


TD-50MP



Designed to control self-contained emergency luminaires and equipment during mains outages.
- Press ON to send a signal to the controlled devices to force switching to emergency mode.
- Press OFF to send a signal to the controlled devices to force switching to rest mode.

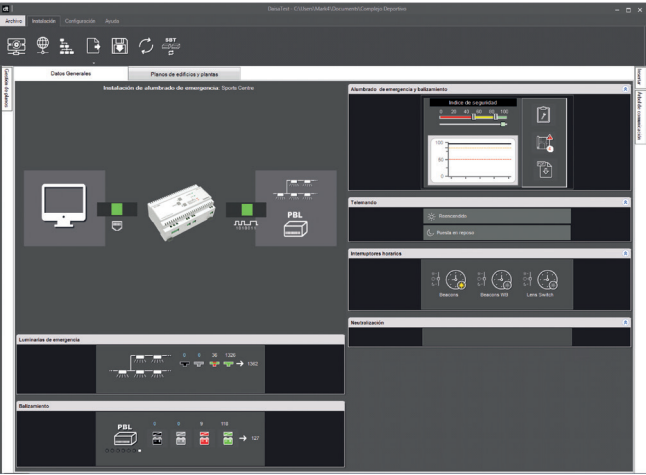
REMOTE CONTROLS



DAISATEST SYSTEM

Main Functions

DaisaTest System is a type of emergency lighting facility with capacity to monitor the status of all luminaires on a control computer and to optimise their maintenance. To achieve this, the DaisaTest System checks that all luminaires are working properly and displays the result of the test in graphic form on signal indicators on the computer monitor or by means of the emergency lighting system Status Reports.

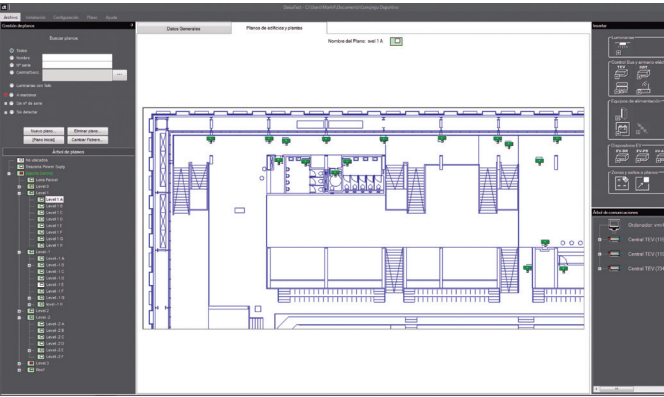
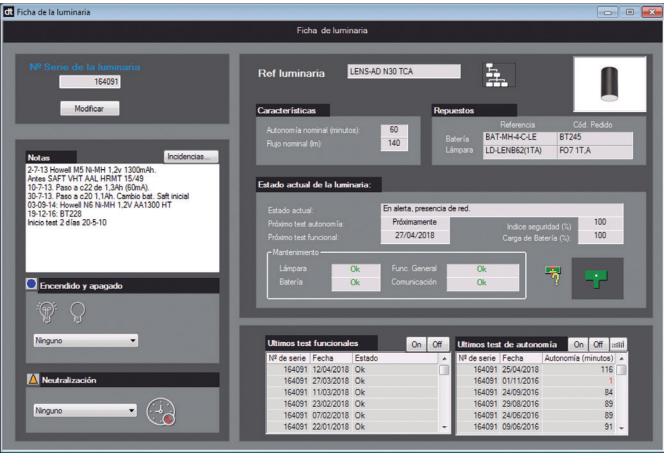


Main functions

- Each luminaire has a specification sheet with information on its battery charge level, spare parts references, duration log, etc.
- A safety rating can be established on a specific plan or in an area that will indicate the degree of safety in the whole emergency lighting installation.
- DaisaTest constantly runs checks to verify that the luminaires are supplied with mains power, that communication between the luminaires and the control computer is intact, that all batteries are receiving charge and that there are no short circuits in the system.
- It performs a functional test every 30 days (this can be configured from 3 to 30 days) that verifies the switch-on process of the emergency lamp.
- It performs a duration test on every luminaire every 3 months (this period can be configured between 3 and 12 months) or after any change of battery due to a duration fault.

DaisaTest facilitates maintenance of the facility and controls when, where and how maintenance personnel are to act. It enables definition of the automatic alert e-mail that the user will receive when a situation requiring a maintenance tasks occurs.

For each plan that requires maintenance, DaisaTest will inform you with a Maintenance Proposal, with the aim of optimising the maintenance costs of the emergency lighting installation and facilitating the record of the maintenance tasks performed.

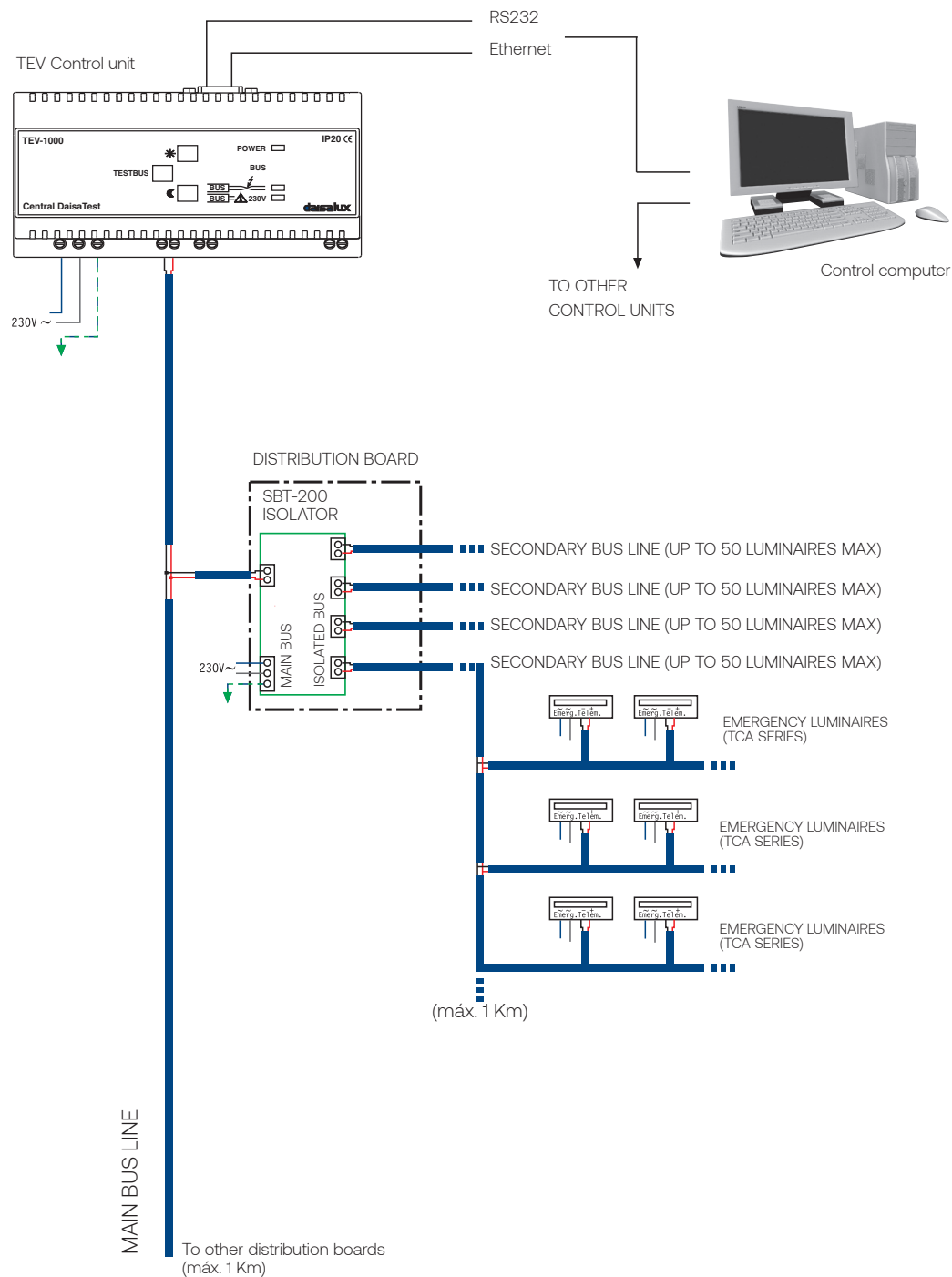


Additional functions

- Specific Alert Levels for each zone can be defined from the control station. Only one luminaire will perform the duration test within the same area at any one time while the rest of the lamps remain available in case there is a mains outage.
- DaisaTest enables search of circuits, or luminaires. Thanks to its graphic browsing system among the circuits, it facilitates identification of the status of all circuits and provides immediate access.
- It is possible to turn maintained luminaires and beacon lighting on and off with mains power connected and set up lighting up schedules to save energy in the absence of public.
- It enables performance of the functional test or programming of the duration test on any luminaire at any time.
- It manages uninstalling or installing new luminaires and extension to, or changes in, the rooms of the building.
- It works as a conventional remote control (places emergency luminaires in rest mode or turns them on again in the event of mains outage), and enables inhibition mode schedules for areas closed to the public in which emergency lighting is not required.
- It can send configurable email notifications to different users, including reports on the status of the installation, maintenance needs and proposals, installation insecurities and different alerts.

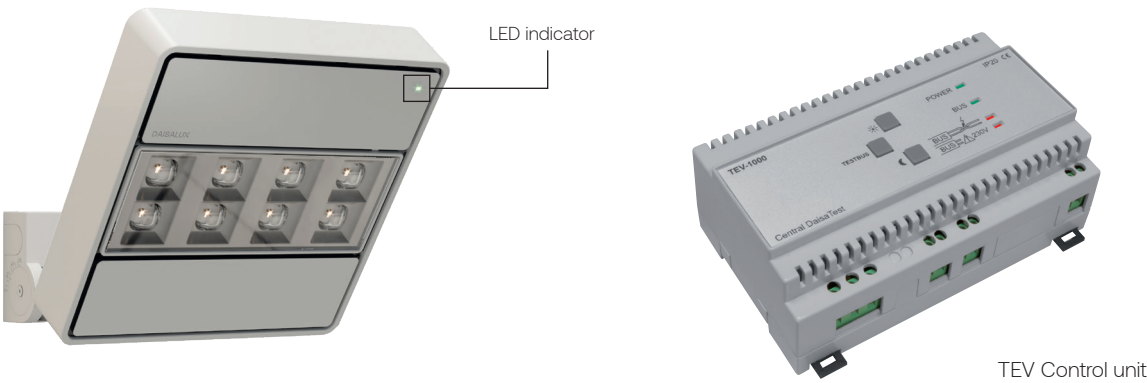
DAISATEST SYSTEM

Wiring diagram DAISATEST / TEV-1000, TEV-500, TEV-200



Note: The wiring diagram associated with the TEV-200 control unit does not require isolators; the main BUS line can be directly connected to the emergency luminaires.

MAIN COMPONENTS OF THE DAISATEST SYSTEM



Series TCA emergency luminaires

Are capable of communicating with a TEV control unit and of performing functional and duration tests. This TCA Series includes all Daisalux emergency luminaires and units.

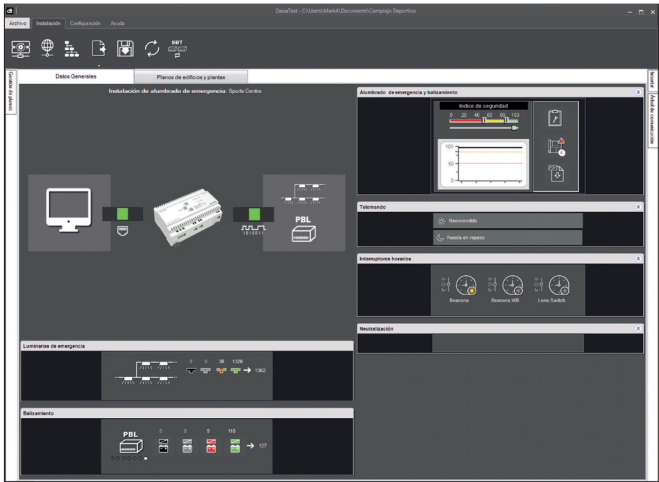
Each TCA emergency luminaire detects and notifies its status by means of its LED indicators. Thus, a fault or status can be recognised visually and the appropriate action taken.

TEV-1000, TEV-500, TEV-200 control units

Are the communication centres of the DaisaTest System between the luminaires and the control computer.

They communicate with the luminaires through the Bus cable, order the functional and duration tests and log the results, which will be transmitted from the TEV control unit to the control computer via RS232 or Ethernet.

To obtain a graphic display and control the installation, a control computer with the SOFT-DAISATEST program installed is required. Any networked computer with the SOFT-DAISATEST software installed can be used to display and manage maintenance of the emergency lighting facility and control the timing of turning the maintained luminaires and beacon lighting on and off.

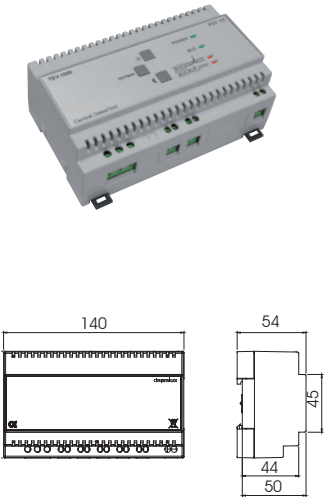


- Communication status.
- Summary of the status of the luminaires.
- Circuit drawings with maintenance alerts
- Status report for the installation.
- Record of incidents in the installation.
- Safety rating of the installation.
- Inhibition mode of luminaires.
- Time switches (maintained luminaires).

TEV CONTROL UNIT

Model	Operation	Luminaires to be controlled
TEV-200	Testing and remote control equipment communicating via a two wire BUS (BUS-TAM) with self-contained Daisalux TCA series luminaires. Does not require SBT-200 isolators. The installation is controlled from a local or remote computer..	200
TEV-500	Testing and remote control equipment communicating via a two-wire BUS (BUS-TAM) with self-contained Daisalux TCA serie luminaires. SBT-200 isolators must be installed. The installation is controlled from a local or remote computer.	500
TEV-1000	Testing and remote control equipment communicating via a two-wire BUS (BUS-TAM) with self-contained Daisalux TCA series luminaires. SBT-200 isolators must be installed. The installation is controlled from a local or remote computer.	1000

CENTRAL TEV

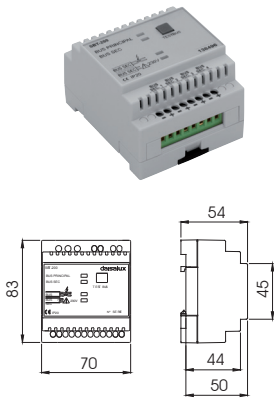


ACCESSORIES CENTRAL TEV

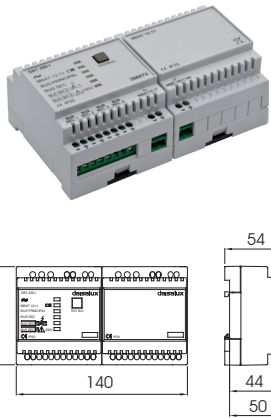
Model	Description
BUS-TAM 0,6/1 100 m	Conduit composed of two red-white 1.5 mm squared cross section wires. For the communication line between the TEV control unit and TCA devices. Length: 100 metres. (*) Estimated price: may vary depending on the price of the raw material.
BUS-TAM 0,6/1 500 m	Conduit composed of two red-white 1.5 mm squared cross section wires. For the communication line between the TEV control unit and TCA devices. Length: 500 metres. (*) Estimated price: may vary depending on the price of the raw material.
BUS-TAM 450/750 100 m	Cable composed(1) of two unipolar conductors with 450/750V white-red insulation twisted together, 15 mm2 section. For the communication line between TEV Control unit and TCA devices or for the communication of EV devices in centralized CB series equipment. Solution for installation in corrugated pipe. Length 100 meters.
BUS-TAM 450/750 500 m	Cable composed(1) of two unipolar conductors with 450/750V white-red insulation twisted together, 15 mm2 section. For the communication line between TEV Control unit and TCA devices or for the communication of EV devices in centralized CB series equipment. Solution for installation in corrugated pipe. Length 500 meters.
SBT-200	BUS isolator to connect a maximum of 200 luminaires. With TCA Series luminaires, enables checking the status of secondary BUS lines used for communication with the control unit. The isolator optically couples the bus signal between the main and secondary lines, protecting the installation from possible errors and facilitating fault detection.
SBT-200I	Uninterrupted BUS isolator to connect a maximum of 200 luminaires. With TCA Series luminaires, enables checking the status of secondary BUS lines used for communication with the control unit. The isolator optically couples the bus signal between the main and secondary lines, protecting the installation from possible errors and facilitating fault detection. Duration greater than one hour.
MBAT 12-1I	Battery module for the TEV-200, TEV-500 and TEV-1000 control units to interact with the installation in the absence of mains power.
PM-200	Set up, on-site at the facilities, of the DaisaTest system on the control computer for the TEV-200 control unit and/or central battery low power systems LPS-24, CB580- ELC, CB850-ELC, CB1250-ELC. Includes: Configuration of the IP communication between control units/central battery systems and computer. Loading of the serial numbers of the luminaires installed to the Daisatest programme; upon receipt of the plan with their positions in .dwg format. Installation status and deviation report. Training of maintenance personnel.Before performing this Set Up, it should be confirmed that the control units/ central battery systems/luminaires are correctly installed.
PM-500	Set up, on-site at the facilities, of the DaisaTest system on the control computer for the TEV-500 control unit and/or central battery systems CB2500-ELC, CB-3300-ELC, CB5000-ELC. Includes: Configuration of the IP communication between control units/ central battery systems and computer. Loading of the serial numbers of the luminaires installed to the Daisatest programme; upon receipt of the plan with their positions in .dwg format. Installation status and deviation report. Training of maintenance personnel. Before performing this Set Up, it should be confirmed that the control units/central battery systems/luminaires are correctly installed.
PM-1000	Set up, on-site at the facilities, of the DaisaTest system on the control computer for the TEV-1000 control unit and/or central battery systems CB7500-ELC and higher. Includes: Configuration of the IP communication between control units/central battery systems and computer. Loading of the serial numbers of the luminaires installed to the Daisatest programme; upon receipt of the plan with their positions in .dwg format. Installation status and deviation report. Training of maintenance personnel. Before performing this Set Up, it should be confirmed that the control units/central battery systems/luminaires are correctly installed.
PMT-200	Set up without being present at the facilities (via telephone or similar), of the DaisaTest system on the control computer for the TEV-200 control unit and/ or central battery low power systems LPS-24, CB580-ELC, CB850-ELC, CB1250-ELC. Includes: Configuration of the IP communication between control units/central battery systems and computer. Loading of the serial numbers of the luminaires installed to the Daisatest programme; upon receipt of the plan with their positions in .dwg format. Installation status and deviation report. Before performing this Set Up, it should be confirmed that the control units/central battery systems/luminaires are correctly installed.
PMT-500	Set up without being present at the facilities (via telephone or similar), of the DaisaTest system on the control computer for the TEV-500 control unit and/or central battery systems CB2500-ELC, CB-3300-ELC, CB5000-ELC. Includes: Configuration of the IP communication between control units/central battery systems and computer. Loading of the serial numbers of the luminaires installed to the DaisaTest programme; upon receipt of the plan with their positions in .dwg format. Installation status and deviation report. Before performing this Set Up, it should be confirmed that the control units/central battery systems/luminaires are correctly installed.
PMT-1000	Set up without being present at the facilities (via telephone or similar), of the DaisaTest system on the control computer for the TEV-1000 control unit and/or central battery systems CB7500-ELC and higher. Includes: Configuration of the IP communication between control units/central battery systems and computer. Loading of the serial numbers of the luminaires installed to the DaisaTest programme; upon receipt of the plan with their positions in .dwg format. Installation status and deviation report. Before performing this Set Up, it should be confirmed that the control units/central battery systems/luminaires are correctly installed.

Operation, shared data and notes:
(1) Before performing this Start-up, it must be confirmed that the control panels/equipment/luminaires are correctly installed.

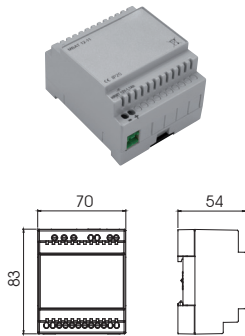
SBT-200



SBT-200I

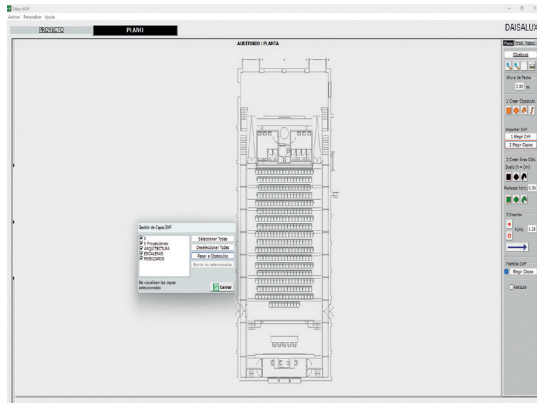


MBAT 12-1I



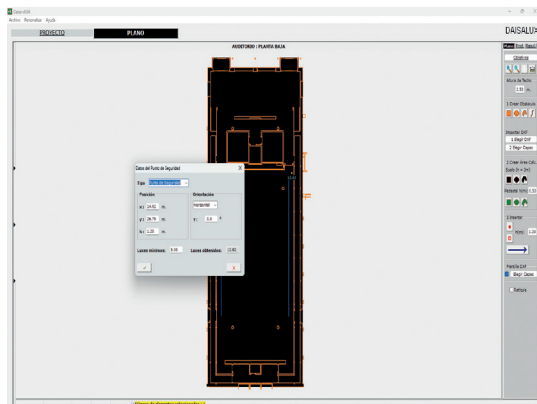
EMERGENCY LIGHTING PROJECT DESIGN SOFTWARE

Software developed to draw up highly accurate emergency lighting projects.
Optimises project costs and ensures total compliance with the currently applicable legislation.



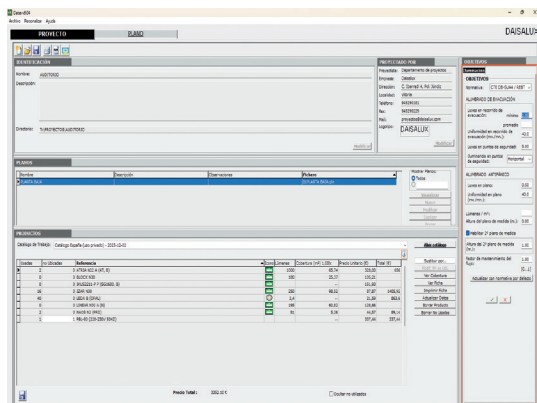
1. Import drawings / Layer management

- Enables development of projects with multiple drawings.
- Enables duplication of drawings.
- Enables import of DXF files to save the user from having to create drawings.
- Zoom in the windows using the mouse wheel: Editing of drawings and products.
- Recognises layers and their DXF entities.
- Enables routing around design obstacles of the layers relevant to calculation.
- Enables DXF layers to be displayed as templates to allow the user to locate escape routes, place luminaires, etc. or any DXF information.



2. Escape routes / Safety points

- Enables definition of escape routes.
- Once the calculation has been performed the lighting in each selected route can be displayed.
- All defined routes appear in the report.
- Enables designation of safety points and distribution boards, assigns their installation height and displays the results.



3. Setting objectives

- Enables objectives to be set for a facility, assigning minimum values for: lux in the drawing, lux along escape routes, lux at safety points, uniformity across the drawing, uniformity along routes, etc..
- Enables definition of a maintenance factor for the project and for each of its drawings.
- Enables definition of a 2nd calculation level to obtain results in volume (RBT).
- Default objectives can be set and can be replaced as required.
- The objectives for a drawing or project can be stored and assigned a name. Thus, any specific or regulatory requirements can be saved for future use.

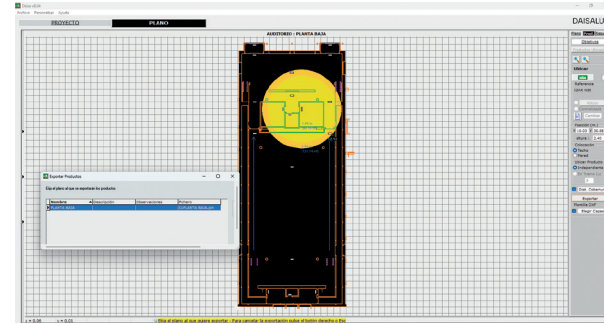
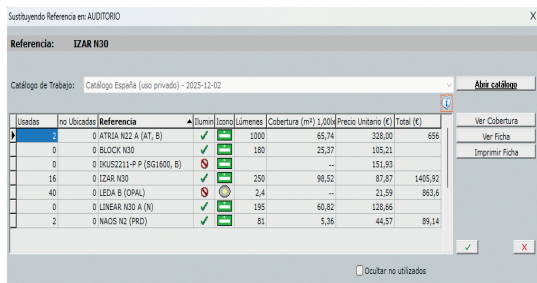
4. Communication with the Product Selection Catalogue

- Daisa interacts with the Daisalux catalogue to enable selection of references, accessories (watertight housing, boxes for recessed or flush mounting, emergency signs, etc.) and finishes.

- The surface coverage is displayed in the Preselected products window for the following:
 - Installation height defined in the project (default value: 2.5 m).
 - Lux required to meet the Escape route lighting objectives.

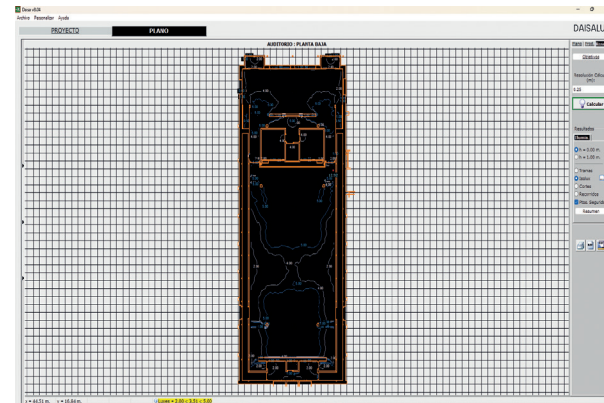
- In addition to emergency luminaires the following can also be included in projects: Communications units, beacons, signalling luminaires, etc

- An estimate breakdown and the total project cost is displayed.



5. Installation of luminaires and other products

- References can be placed in their basic position (ceiling or wall) in an easy, convenient manner.
- The program allows all the coordinates for placing a reference on the drawing to be modified.
- One or more luminaires may be selected, and the reference, its height and orientation can be changed on the drawing.
- Any reference at any light point on a drawing or in an entire project can be replaced with another.
- Export the light points selected on one drawing to another drawing.
- The reference number, installation height and orientation of the selected luminaire are displayed on the right side of the window.
- When you install or select a located luminaire, the program enables its coverage area to be displayed and notifies of the surface covered.
- Luminaires with emergency signs are distinguished graphically from those without. The emergency signs of the device can be configured.
- Installed products have a context menu (right click) which enables the following functions: edit, orientate, delete and calculate coverage distances.
- Selected products can be moved by drag-drop.
- Enables zooming in and out of the drawing.
- In addition to luminaires, Daisa also enables placement of lines of beacon and separate beacons.



6. Calculation

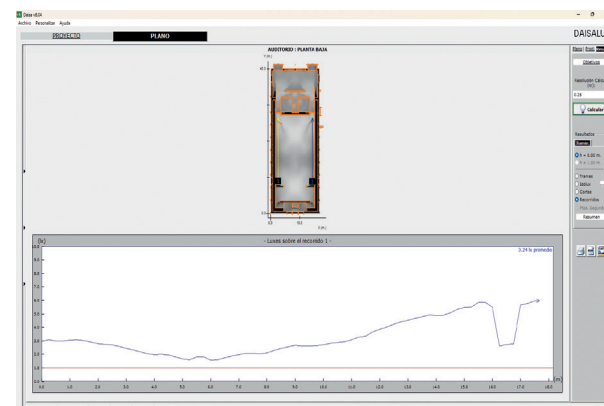
- Enables the calculation to be configured by setting the required resolution and Isolux curves.
- While the calculation is being performed a progress indicator appears at the bottom of the window.
- The calculation can be interrupted at any time.
- Results are displayed for each calculation height in the following sections: grayscale, Isolux curves, escape routes, safety points and distribution boards.
- Displays the results obtained, comparing them with the objectives required by the user and identifying those not met.

7. Project report

- A report is generated aimed at regulatory compliance with the following sections:
 - Project drawings list / Product location drawing / List of products used in the drawing / Open area results: Graph of drawing sections.
 - Isolux curves. Volumetric result / Escape route results: Escape routes. Safety points and distributions boards / project estimates / specification sheets. Permite generar el informe en un documento editable (Format RTF).
- Enables a report to be generated in editable format (RTF).

8. Exporting of results

- Allows the results to be exported (Isolux curves, safety points, distribution boards, escape routes and location of products) to DXF format files, thus enabling import of this information to the original drawing files.
- Allows the project estimate to be exported to FIEBDC, text and an editable document format (RTF).



To ensure the satisfactory design of your projects Daisalux offers, free of charge, a training video and a project department where we provide:

- a) advice on the operation of the program.
- b) drawing up of the entire project if you so require.

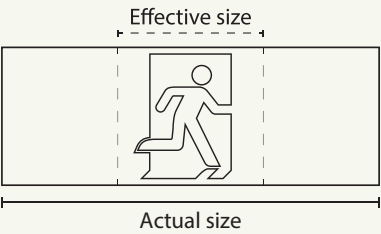
Projects department: e-mail: proyectos@daisalux.com
Daisa and the training video are available free of charge at www.daisalux.com.

SIGN ANNEX

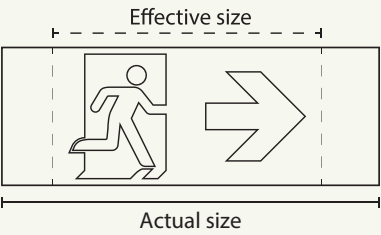
Emergency exit signs (accessories).
Complies with EN 1838, EN ISO 7010, UNE 23033 y UNE 23034.

Note: The effective size of a signage label is its optimal dimension for it to be seen and understood properly from a specific distance. The number of elements contained in the label affects its effective size.

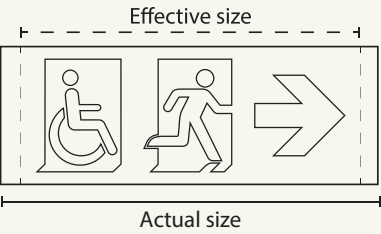
SINGLE SIMPLES



DOUBLE SIGNS



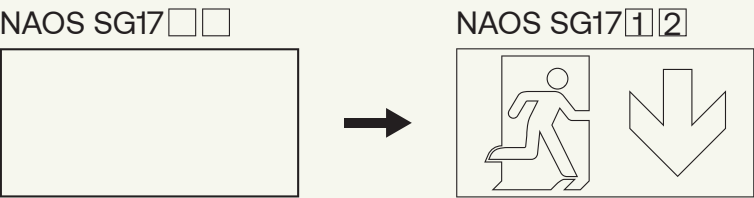
TRIPLE SIGNS



To complete the reference of the selected sign:

- 1- Select the type of sign.
- 2- Fill in the last two fields of the reference.

Example:

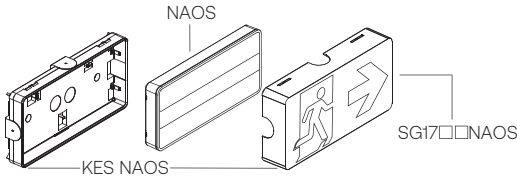


NAOS

NAOS SG17 Emergency signsto be affixed to watertight enclosure KES Naos.
Actual size of the sign 218 x 103 mm | Effective size 206 x 103 mm

SG1700	SG1701	SG1704	SG1706	SG1708	SG1709
SG1710	SG1711	SG1712	SG1713	SG1714	SG1715
SG1716	SG1717	SG1718	SG1719	SG1720	SG1721
SG1722	SG1723	SG1724	SG1725	SG1726	SG1727
SG1728	SG1729	SG1730	SG1731	SG1732	SG1733

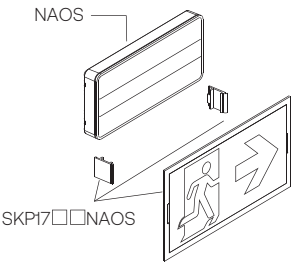
Actual size of the sign 218 x 103 mm | Effective size 103 x 103 mm



NAOS SKP17 Wall-mounted signage kit with sign.
Actual size of the sign 221 x 118 mm | Effective size 206 x 103 mm

SKP1700	SKP1701	SKP1704	SKP1706	SKP1708	SKP1709
SKP1710	SKP1711	SKP1712	SKP1713	SKP1714	SKP1715
SKP1716	SKP1717	SKP1718	SKP1719	SKP1720	SKP1721
SKP1722	SKP1723	SKP1724	SKP1725	SKP1726	SKP1727
SKP1728	SKP1729	SKP1730	SKP1731	SKP1732	SKP1733

Actual size of the sign 218 x 103 mm | Effective size 103 x 103 mm



Effective size of the sign 220 x 220 mm

SKP1750	SKP1751	SKP1752	SKP1753

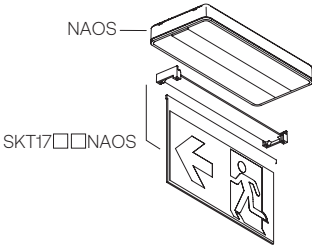
NAOS SKT17□□

Ceiling-mounted signage kit with sign.

Actual size of the sign 210 x 105 mm | Effective size 210 x 105 mm



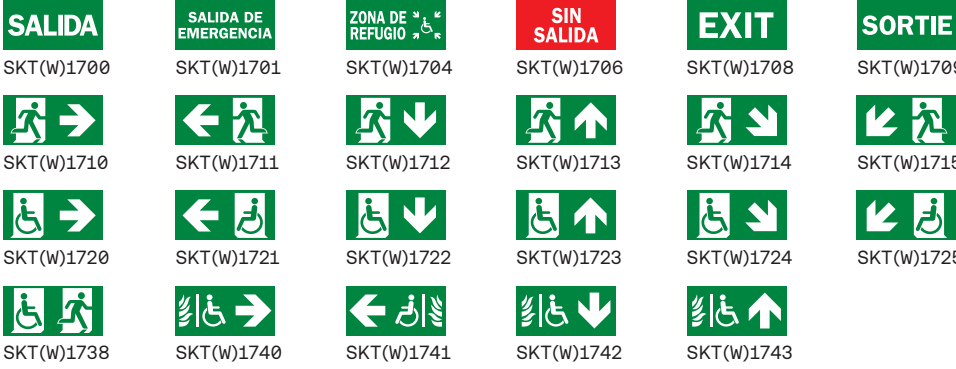
Actual size of the sign 218 x 103 mm | Effective size 105 x 105 mm



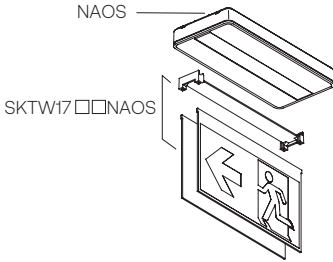
NAOS SKT(W) 17□□

Ceiling-mounted signage kit with one or two (W) signs.

Actual size of the sign 210 x 105 mm | Effective size 210 x 105 mm



Actual size of the sign 218 x 103 mm | Effective size 105 x 105 mm

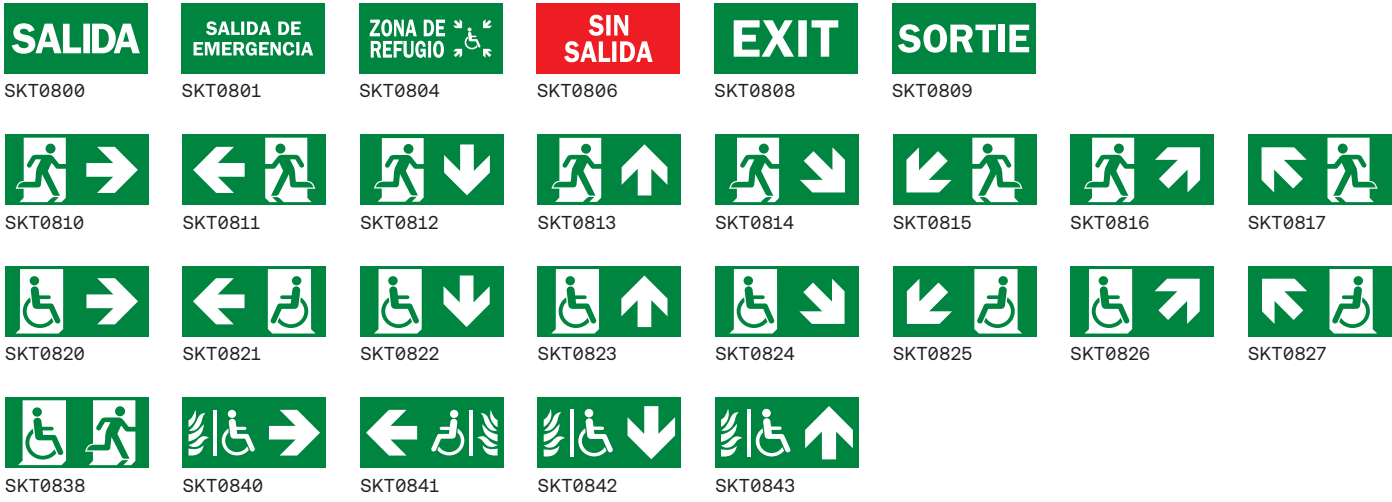


HYDRA

HYDRA SKT08□□

Signage plate for pennant signage. Accessory valid only for flush-mounted ceiling boxes KETB/KETGP HYDRA.

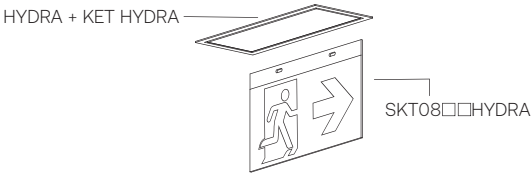
Actual size of the sign 324 x 162 mm | Effective size 324 x 162 mm



Actual size of the sign 324 x 162 mm | Effective size 324 x 108 mm



Tamaño real del rótulo 324 x 162 mm | Effective size 162 x 162 mm



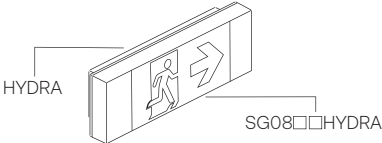
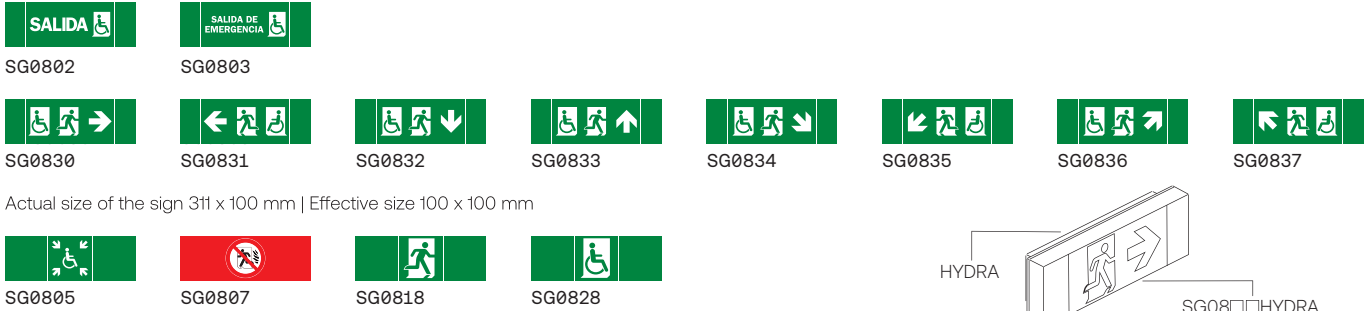
HYDRA SG08□□

Emergency signs. (Adhesive)

Actual size of the sign 311 x 100 mm | Effective size 200 x 100 mm



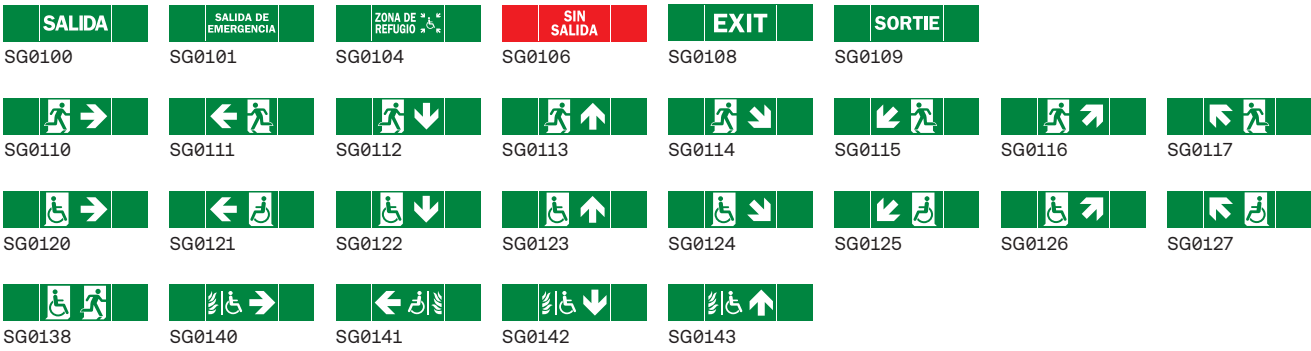
Actual size of the sign 311 x 100 mm | Effective size 300 x 100 mm



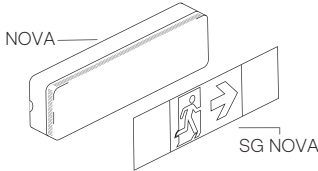
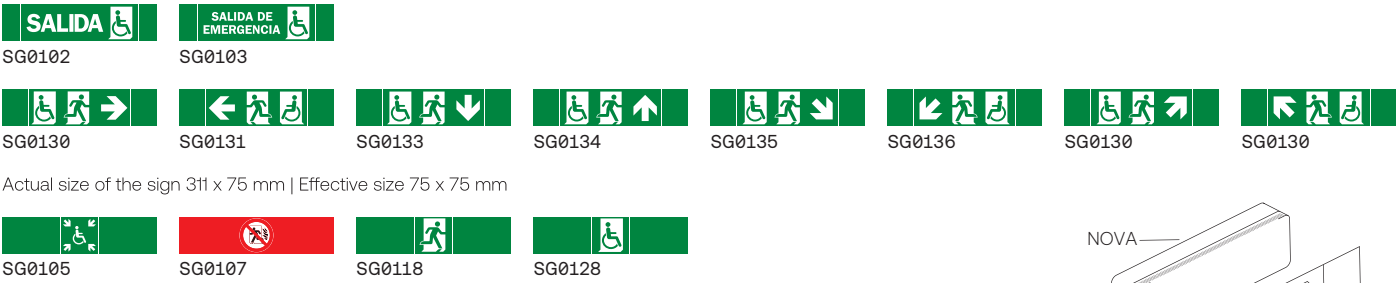
NOVA

NOVA SG01□□
Emergency signs. (Adhesive)

Actual size of the sign 300 x 75 mm | Effective size 150 x 75 mm



Actual size of the sign 311 x 75 mm | Effective size 225 x 75 mm



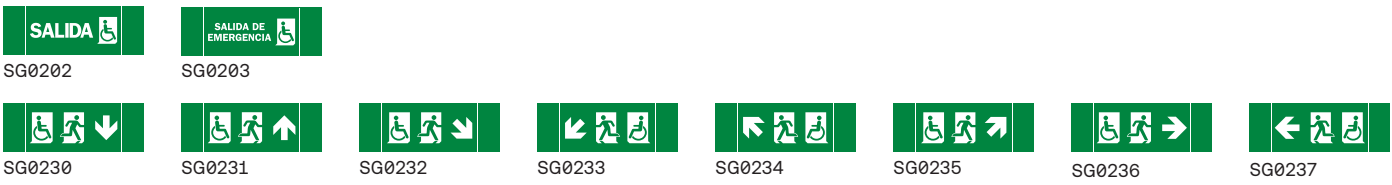
ARGOS

ARGOS SG02□□
Emergency signs. (Adhesive)

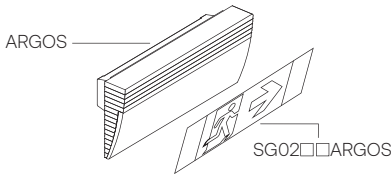
Actual size of the sign 311 x 100 mm | Effective size 200 x 100 mm



Actual size of the sign 311 x 100 mm | Effective size 300 x 100 mm



Actual size of the sign 311 x 100 mm | Effective size 100 x 100 mm



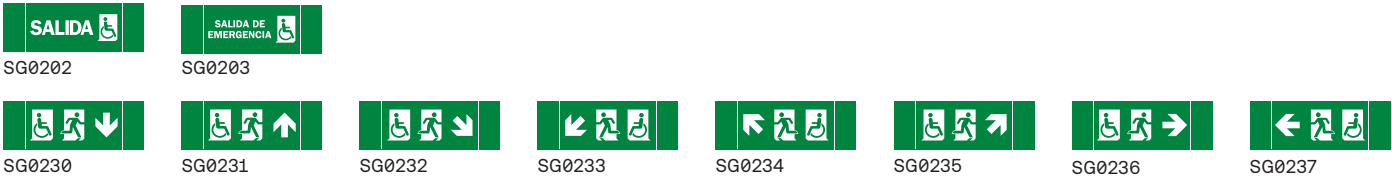
ARGOS-D

ARGOS-D SG02□□
Emergency signs. (Adhesive)

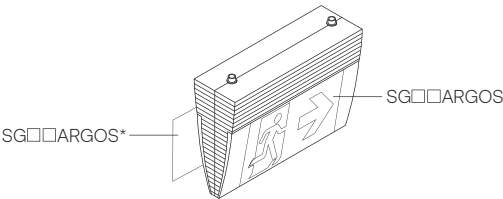
Actual size of the sign 290 x 90 mm | Effective size 180 x 90 mm SG14



Actual size of the sign 311 x 100 mm | Effective size 300 x 100 mm



Actual size of the sign 311 x 100 mm | Effective size 100 x 100 mm

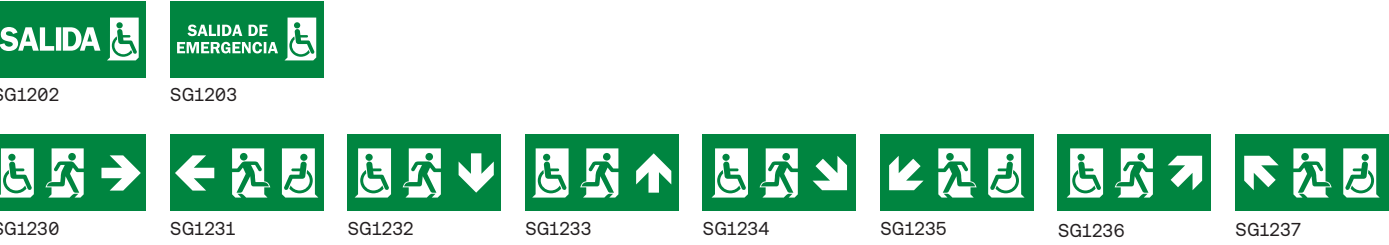


GALIA

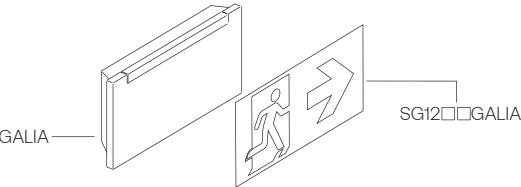
GALIA SG12□□
Emergency signs. (Adhesive)
Actual size of the sign 350 x 150 mm | Effective size 300 x 150 mm



Actual size of the sign 350 x 150 mm | Effective size 300 x 116 mm



Actual size of the sign 350 x 150 mm | Effective size 150 x 150 mm



DAISALUX

DX

When light is a priority

DAISALUX

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www.daisalux.com



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