



awex[®]
EMERGENCY LIGHTING

GENERAL CATALOG 22.1.

WE CARE ABOUT SAFETY
EMERGENCY LIGHTING

Photographs and parameters of the products shown in this catalogue are for reference only and cannot be relied upon as a legal offer. Certain parameters of supplied products may differ from the parameters of the products described in this catalogue. The appearance of actual products may slightly differ from the photographs and drawings contained in this catalogue. AWEX reserves the right to discontinue products shown in this catalogue or to modify their parameter without notice.

Awex

"Customer and his satisfaction" is the slogan that has been accompanying us since the very beginning of AWEX company.

We always consider the valuable feedback from our customers during the concept stage of new product development itself. This is the main reason why we consider our clients as our partners.

Together we make sure that the products designed and manufactured by AWEX are in line with the expectations of our customers.

The AWEX Research and Development team is guided by the values of:



Safety

It is the essence of the industry; we are a professional company with full own facilities for development, testing and production of devices related to Emergency Lighting and Fire Alarm Systems.

All design and production facilities are located in Poland, which means that we are able to respond to virtually any industry demand.

Our specialized advisers are always ready to support our partners in the selection of AWEX brand equipment meeting the expectations.

Design

We know that appearance is important for our partners; that's why we design our products in line with current trends. We try to combine tradition with modernity.

That is why our products can be used in very modern buildings as well as revitalized or even historical ones.



Ergonomics of assembly

Time is one of the crucial element for everyone. So we make our process of production and assembly as fast and effective as possible with hundred percentage accuracy.

This helps our partners to save a lot of time and money with a satisfied product.





Quality and excellence

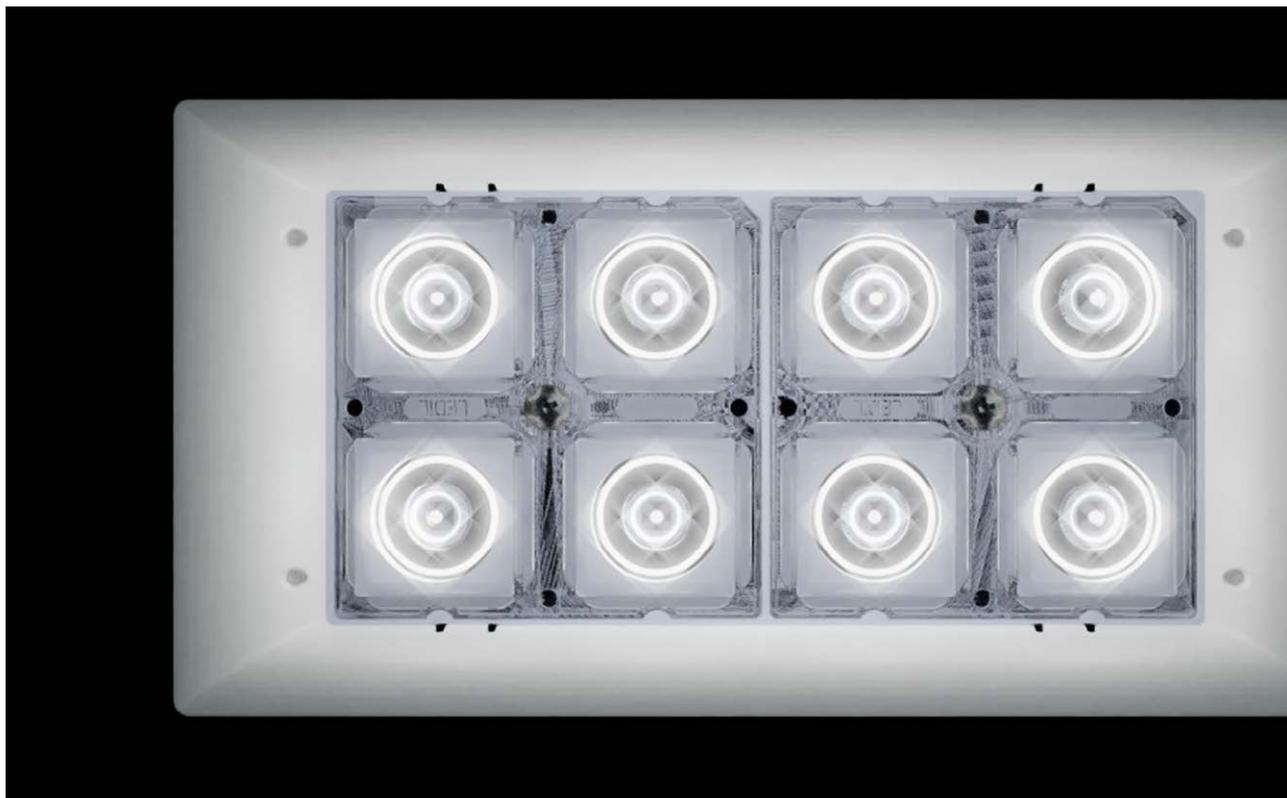
Is one of the important key values of AWEX. We challenge ourselves to maintain the product quality according to the changing customer demands. For that we have a wing of experienced people with technical excellency. We never compromise on the quality. Therefore we select highest quality components and latest available technology which make the product to the highest level, which is internationally certified.

Energy efficiency and ecology

Are another important factors that everyone is concerned about. Because they allow for further measurable impact on the running cost and adverse environmental effects. In order to meet this, we design all our solutions energy efficient as possible, which allow our products to be used in top performance, ecological and energy efficient building.

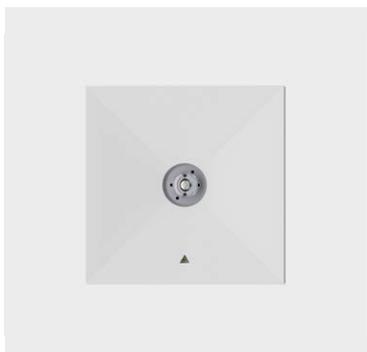
Versatility

Is a salient feature which is important for our partners because, it allows our partners to use our solutions in various application. Therefore, already at the design stage, we provide our products with functionality in line with the recipient's expectations at every moment of the investment. Our products are compatible with each other and allow the independent and controlled use via a monitoring system or central battery.

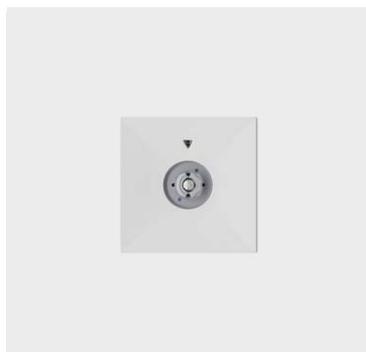


Families:

LOVATO 3 p. 24



LOVATO N 3
EMERGENCY ESCAPE LIGHTING p. 28



LOVATO P 3
EMERGENCY ESCAPE LIGHTING p. 32



ACCESSORIES p. 36

AX 3 p. 38



AXN 3
EMERGENCY ESCAPE LIGHTING p. 42



AXP 3
EMERGENCY ESCAPE LIGHTING p. 46



ACCESSORIES p. 50

LOVATO p. 52



LOVATO II
EMERGENCY ESCAPE LIGHTING p. 56



LOVATO P
EMERGENCY ESCAPE LIGHTING p. 60



ACCESSORIES p. 64

AX p. 66



AXN
EMERGENCY ESCAPE LIGHTING p. 70



AXP
EMERGENCY ESCAPE LIGHTING p. 74

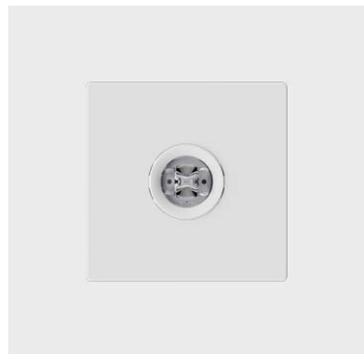
MICRO SPOT p. 78



MICRO SPOT
EMERGENCY ESCAPE LIGHTING p. 82



MICRO SPOT Round
EMERGENCY ESCAPE LIGHTING p. 86



MICRO SPOT Square
EMERGENCY ESCAPE LIGHTING p. 90

EYE LED p. 94



EYE LED Round
EMERGENCY ESCAPE LIGHTING p. 98



EYE LED Square
EMERGENCY ESCAPE LIGHTING p. 102

Families:

TEY p. 106



TEY p. 110
EMERGENCY ESCAPE LIGHTING

MX p. 114



MX p. 118
EMERGENCY ESCAPE LIGHTING



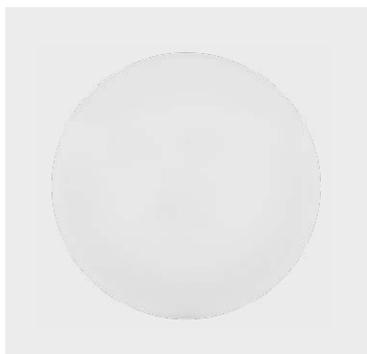
ACCESSORIES p. 122

OUTDOOR LED p. 124



OUTDOOR LED p. 128
EMERGENCY ESCAPE LIGHTING

EDGE p. 132



EDGE R p. 136
EMERGENCY ESCAPE LIGHTING



EDGE S p. 140
EMERGENCY ESCAPE LIGHTING



ACCESSORIES p. 144

HELIOS p. 146



HELIOS LED p. 150
EMERGENCY ESCAPE LIGHTING



HELIOS LED p. 154
EMERGENCY EXIT LIGHTING



HELIOS DS LED p. 156
EMERGENCY EXIT LIGHTING



ACCESSORIES p. 158

Families:

EXIT p. 160



EXIT S
EMERGENCY ESCAPE LIGHTING p. 164



EXIT S
EMERGENCY EXIT LIGHTING p. 168



EXIT M
EMERGENCY ESCAPE LIGHTING p. 172



EXIT M
EMERGENCY EXIT LIGHTING p. 176



EXIT M DS
EMERGENCY ESCAPE LIGHTING p. 178



EXIT L
EMERGENCY ESCAPE LIGHTING p. 182



EXIT L
EMERGENCY EXIT LIGHTING p. 186



ACCESSORIES p. 188

IK2 W p. 194



IK2 W
EMERGENCY ESCAPE LIGHTING p. 198



IK2 W
EMERGENCY EXIT LIGHTING p. 202



ACCESSORIES p. 204

WONDER p. 206



WONDER
EMERGENCY ESCAPE LIGHTING p. 210



WONDER
EMERGENCY EXIT LIGHTING p. 212



ACCESSORIES p. 214

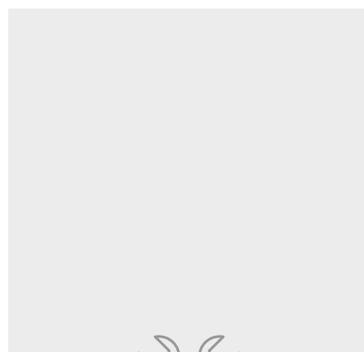
ARROW p. 216



ARROW N
EMERGENCY ESCAPE LIGHTING p. 220



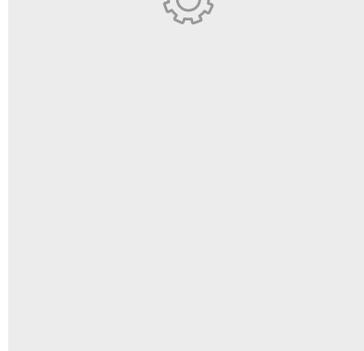
ARROW N
EMERGENCY EXIT LIGHTING p. 224



ARROW P
EMERGENCY ESCAPE LIGHTING p. 226



ARROW P
EMERGENCY EXIT LIGHTING p. 230



ACCESSORIES p. 232

Families:

TIGER LED p. 234



TIGER LED p. 238
EMERGENCY ESCAPE LIGHTING

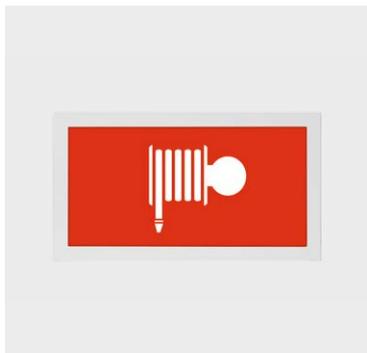


TIGER LED p. 242
EMERGENCY EXIT LIGHTING



TIGER DS LED p. 244
EMERGENCY EXIT LIGHTING

INFINITY II p. 246



INFINITY II p. 250
EMERGENCY ESCAPE LIGHTING



INFINITY II B p. 254
EMERGENCY EXIT LIGHTING



INFINITY II AC p. 258
EMERGENCY EXIT LIGHTING



INFINITY II AW p. 262
EMERGENCY EXIT LIGHTING



INFINITY II AL p. 266
EMERGENCY EXIT LIGHTING



ACCESSORIES p. 268

SK-8 p. 270



SK-8
EMERGENCY ESCAPE LIGHTING p. 274



SK-8
EMERGENCY EXIT LIGHTING p. 276



ACCESSORIES p. 278

ESCAPE ALU p. 280



ESCAPE ALU B
EMERGENCY EXIT LIGHTING p. 284



ESCAPE ALU AC
EMERGENCY EXIT LIGHTING p. 286



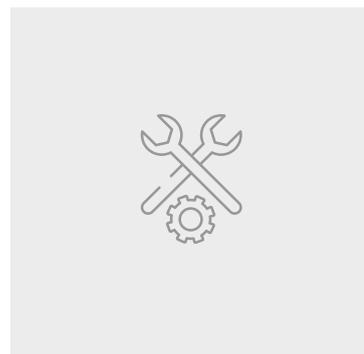
ESCAPE ALU AL
EMERGENCY EXIT LIGHTING p. 288



ESCAPE ALU AR
EMERGENCY EXIT LIGHTING p. 290



ESCAPE ALU AW
EMERGENCY EXIT LIGHTING p. 292



ACCESSORIES p. 294

Families:

TWINS p. 296



TWINS p. 300
EMERGENCY EXIT LIGHTING



ACCESSORIES p. 302

PLEXI LED p. 304



PLEXI LED p. 308
EMERGENCY EXIT LIGHTING

CUBE 2 p. 310



CUBE 2 p. 314
EMERGENCY EXIT LIGHTING



ACCESSORIES p. 316

SCREEN 2 p. 318



SCREEN 2 S
EMERGENCY EXIT LIGHTING p. 322



SCREEN 2 M
EMERGENCY EXIT LIGHTING p. 324



SCREEN 2 L
EMERGENCY EXIT LIGHTING p. 326



ACCESSORIES p. 328

Optics, pictograms and symbols:

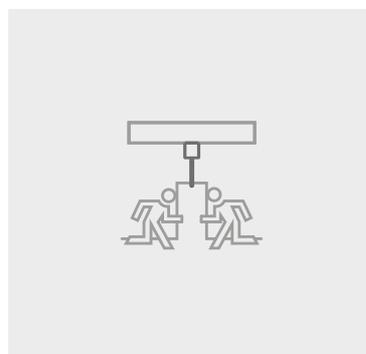
OPTICS, PICTOGRAMS AND SYMBOLS



OPTICS
EMERGENCY ESCAPE p. 22



PICTOGRAMS p. 330



SYMBOLS p. 335

Types:

EMERGENCY ESCAPE LIGHTING



LOVATO N 3
EMERGENCY ESCAPE LIGHTING

p. 28



LOVATO P 3
EMERGENCY ESCAPE LIGHTING

p. 32



AXN 3
EMERGENCY ESCAPE LIGHTING

p. 42



AXP 3
EMERGENCY ESCAPE LIGHTING

p. 46



LOVATO II
EMERGENCY ESCAPE LIGHTING

p. 56



LOVATO P
EMERGENCY ESCAPE LIGHTING

p. 60



AXN
EMERGENCY ESCAPE LIGHTING

p. 70



AXP
EMERGENCY ESCAPE LIGHTING

p. 74



MICRO SPOT
EMERGENCY ESCAPE LIGHTING

p. 82



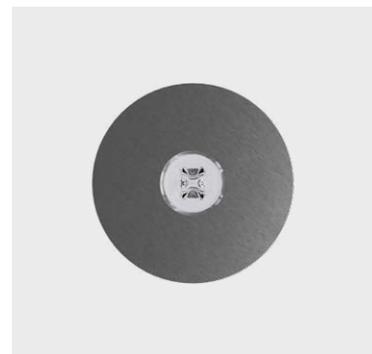
MICRO SPOT Round
EMERGENCY ESCAPE LIGHTING

p. 86



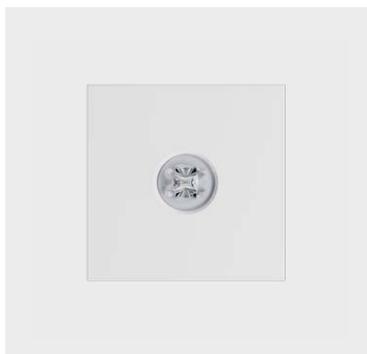
MICRO SPOT Square
EMERGENCY ESCAPE LIGHTING

p. 90



EYE LED Round
EMERGENCY ESCAPE LIGHTING

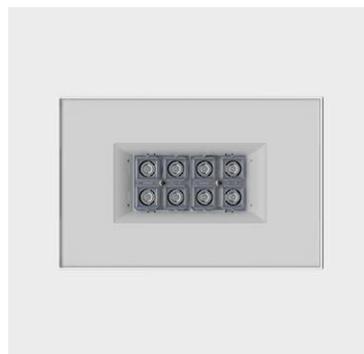
p. 98



EYE LED Square p. 102
EMERGENCY ESCAPE LIGHTING



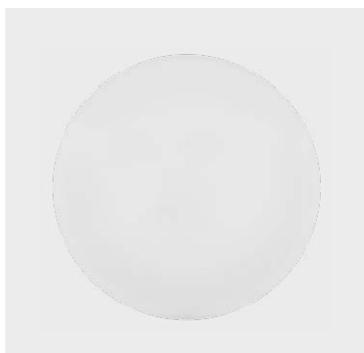
TEY p. 110
EMERGENCY ESCAPE LIGHTING



MX p. 118
EMERGENCY ESCAPE LIGHTING



OUTDOOR LED p. 128
EMERGENCY ESCAPE LIGHTING



EDGE R p. 136
EMERGENCY ESCAPE LIGHTING



EDGE S p. 140
EMERGENCY ESCAPE LIGHTING



HELIOS LED p. 150
EMERGENCY ESCAPE LIGHTING



EXIT S p. 164
EMERGENCY ESCAPE LIGHTING



EXIT M p. 172
EMERGENCY ESCAPE LIGHTING



EXIT L p. 182
EMERGENCY ESCAPE LIGHTING



IK2 W p. 198
EMERGENCY ESCAPE LIGHTING



WONDER p. 210
EMERGENCY ESCAPE LIGHTING

Types:

EMERGENCY ESCAPE LIGHTING



ARROW N
EMERGENCY ESCAPE LIGHTING

p. 220



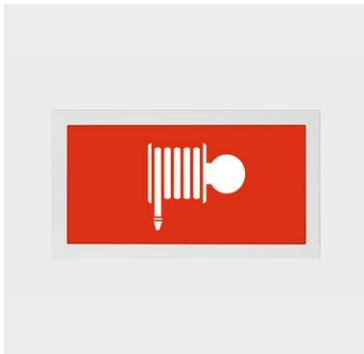
ARROW P
EMERGENCY ESCAPE LIGHTING

p. 226



TIGER LED
EMERGENCY ESCAPE LIGHTING

p. 238



INFINITY II
EMERGENCY ESCAPE LIGHTING

p. 250



SK-8
EMERGENCY ESCAPE LIGHTING

p. 274

EMERGENCY EXIT LIGHTING



HELIOS LED
EMERGENCY EXIT LIGHTING p. 154



HELIOS DS LED
EMERGENCY EXIT LIGHTING p. 156



EXIT S
EMERGENCY EXIT LIGHTING p. 168



EXIT M
EMERGENCY EXIT LIGHTING p. 176



EXIT M DS
EMERGENCY ESCAPE LIGHTING p. 178



EXIT L
EMERGENCY EXIT LIGHTING p. 186



IK2 W
EMERGENCY EXIT LIGHTING p. 202



WONDER
EMERGENCY EXIT LIGHTING p. 212



ARROW N
EMERGENCY EXIT LIGHTING p. 224



ARROW P
EMERGENCY EXIT LIGHTING p. 230



TIGER LED
EMERGENCY EXIT LIGHTING p. 242



TIGER DS LED
EMERGENCY EXIT LIGHTING p. 244

Types:

EMERGENCY EXIT LIGHTING



INFINITY II B
EMERGENCY EXIT LIGHTING

p. 254



INFINITY II AC
EMERGENCY EXIT LIGHTING

p. 258



INFINITY II AW
EMERGENCY EXIT LIGHTING

p. 262



INFINITY II AL
EMERGENCY EXIT LIGHTING

p. 266



SK-8
EMERGENCY EXIT LIGHTING

p. 276



ESCAPE ALU B
EMERGENCY EXIT LIGHTING

p. 284



ESCAPE ALU AC
EMERGENCY EXIT LIGHTING

p. 286



ESCAPE ALU AL
EMERGENCY EXIT LIGHTING

p. 288



ESCAPE ALU AR
EMERGENCY EXIT LIGHTING

p. 290



ESCAPE ALU AW
EMERGENCY EXIT LIGHTING

p. 292



TWINS
EMERGENCY EXIT LIGHTING

p. 300



PLEXI LED
EMERGENCY EXIT LIGHTING

p. 308



CUBE 2 p. 314
EMERGENCY EXIT LIGHTING



SCREEN 2 S p. 322
EMERGENCY EXIT LIGHTING



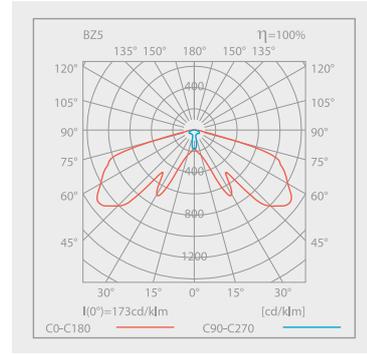
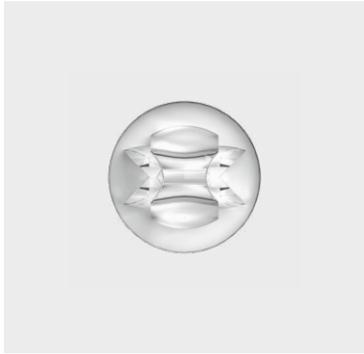
SCREEN 2 M p. 324
EMERGENCY EXIT LIGHTING



SCREEN 2 L p. 326
EMERGENCY EXIT LIGHTING

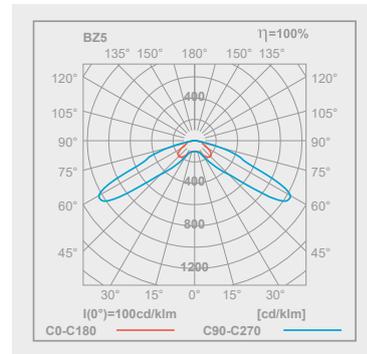
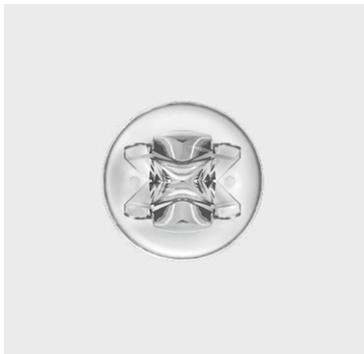
Optics:

OPTIC C



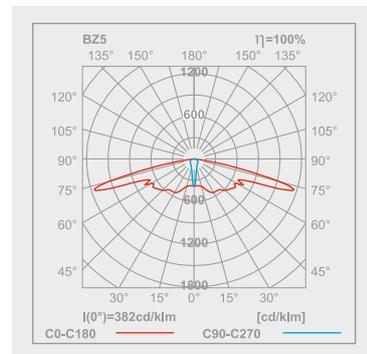
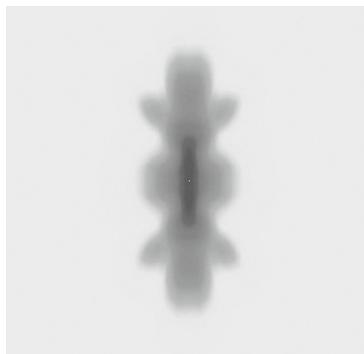
DESCRIPTION: DESIGNED TO ILLUMINATE NARROW CORRIDORS OR ESCAPE ROUTES WITH ASYMMETRIC NARROW BEAM.
APPLICATION: CORRIDORS OF OFFICES, HOTELS AND RESIDENTIAL BUILDINGS, RACKING AISLE SPACE IN SHOPS/WAREHOUSES.

OPTIC R



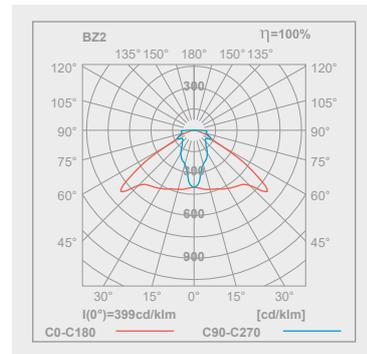
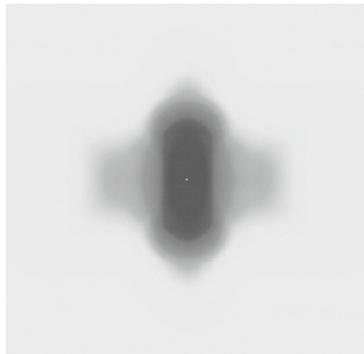
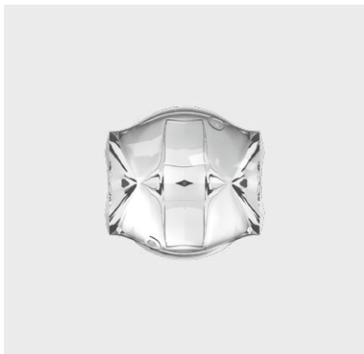
DESCRIPTION: DESIGNED TO ILLUMINATE CORRIDORS OR ESCAPE ROUTES WITH A WIDTH GREATER THAN 2M AND MEDIUM CEILING HEIGHT.
APPLICATION: GARAGES, RESIDENTIAL AND OFFICE BUILDINGS, HEALTHCARE BUILDINGS.

OPTIC R1



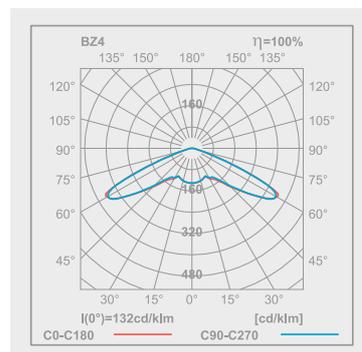
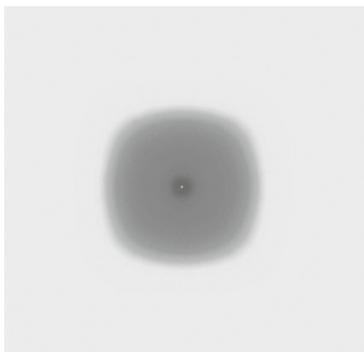
DESCRIPTION: DESIGNED TO ILLUMINATE CORRIDORS OR ESCAPE ROUTES WITH A WIDTH GREATER THAN 3M AND SMALL CEILING HEIGHT.
APPLICATION: RESIDENTIAL, OFFICES AND HEALTHCARE BUILDINGS.

OPTIC R2



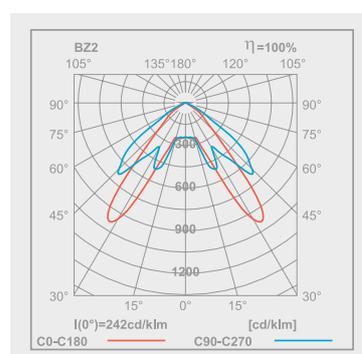
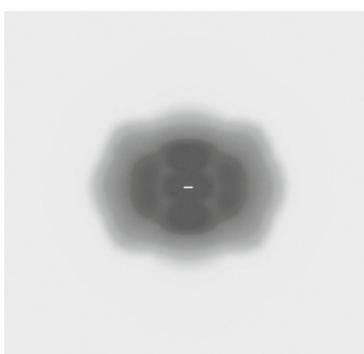
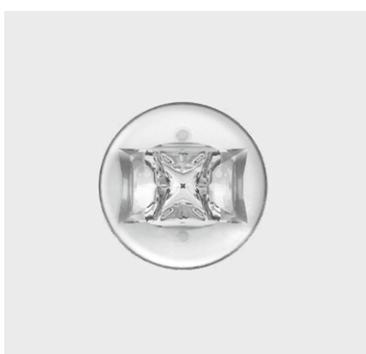
DESCRIPTION: DESIGNED TO ILLUMINATE CORRIDORS OR ESCAPE ROUTES WITH A WIDTH GREATER THAN 2M AND LARGE CEILING HEIGHT AND FOR THE AREAS WHERE HIGH INTENSITY OF EMERGENCY LIGHT IS REQUIRED.
APPLICATION: SHOPPING ARCADES, LOBBIES, HALLS AND CORRIDORS REQUIRING INCREASED EMERGENCY LIGHT INTENSITY.

OPTICO



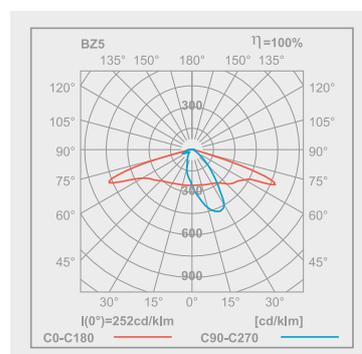
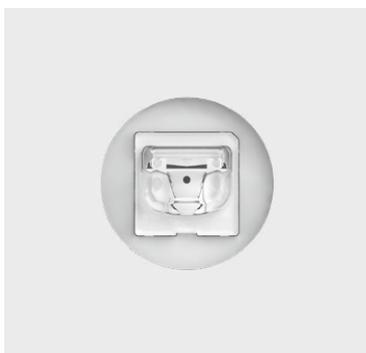
DESCRIPTION: DESIGNED TO ILLUMINATE LARGE AREAS EVEN FROM A SMALL HEIGHT WITH WIDE SYMMETRICAL LIGHT DISTRIBUTION.
APPLICATION: OPEN AREAS, GARAGES, CINEMA THEATERS, PRODUCTION HALLS.

OPTIC U



DESCRIPTION: DESIGNED TO ILLUMINATE OPEN AREAS WITH MEDIUM AND HIGH CEILING HEIGHTS AND FOR THE AREAS REQUIRING HIGHER LIGHT INTENSITY.
APPLICATION: HOTEL LOBBIES, CONFERENCE HALLS, PRODUCTION HALLS.

OPTICA



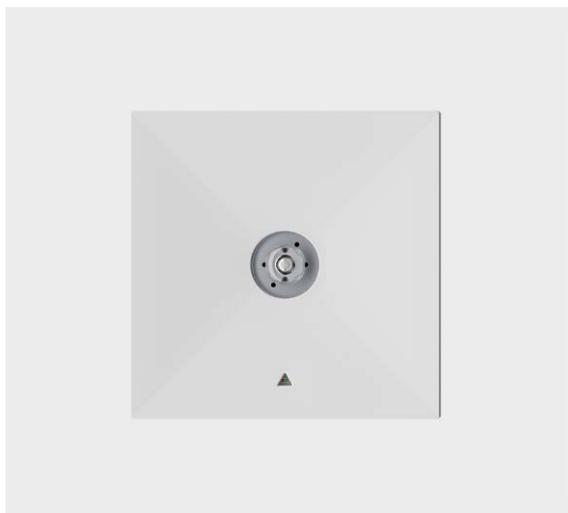
DESCRIPTION: DESIGNED TO ILLUMINATE A CERTAIN AREA FROM WALL; ESPECIALLY FIREFIGHTING EQUIPMENT.
APPLICATION: AREAS WHERE CEILING MOUNTING OF LIGHTS ARE NOT POSSIBLE.

LOVATO 3 family



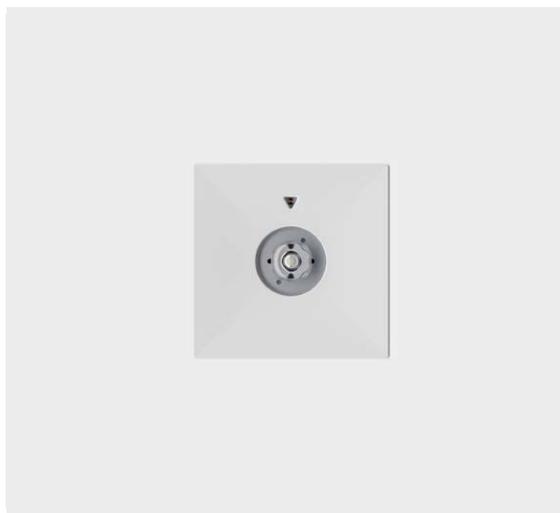


LOVATO 3



LOVATO N 3

p. 28



LOVATO P 3

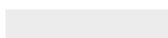
p. 32

Quality and efficiency

LOVATO 3 family is a type of emergency luminaires designed for flush mounting or for on-ceiling mounting inside buildings. Its compact size makes it easy to be incorporated into the surface. It also goes very well with basic lighting luminaires. The luminaire is made of high-quality components (e.g. highly efficient PowerLed light sources with individually designed lenses) so that it is characterised by above-average parameters in terms of luminous flux and wide light distributions, which allow for the individual selection of luminaires depending on the needs of the future facility user.

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

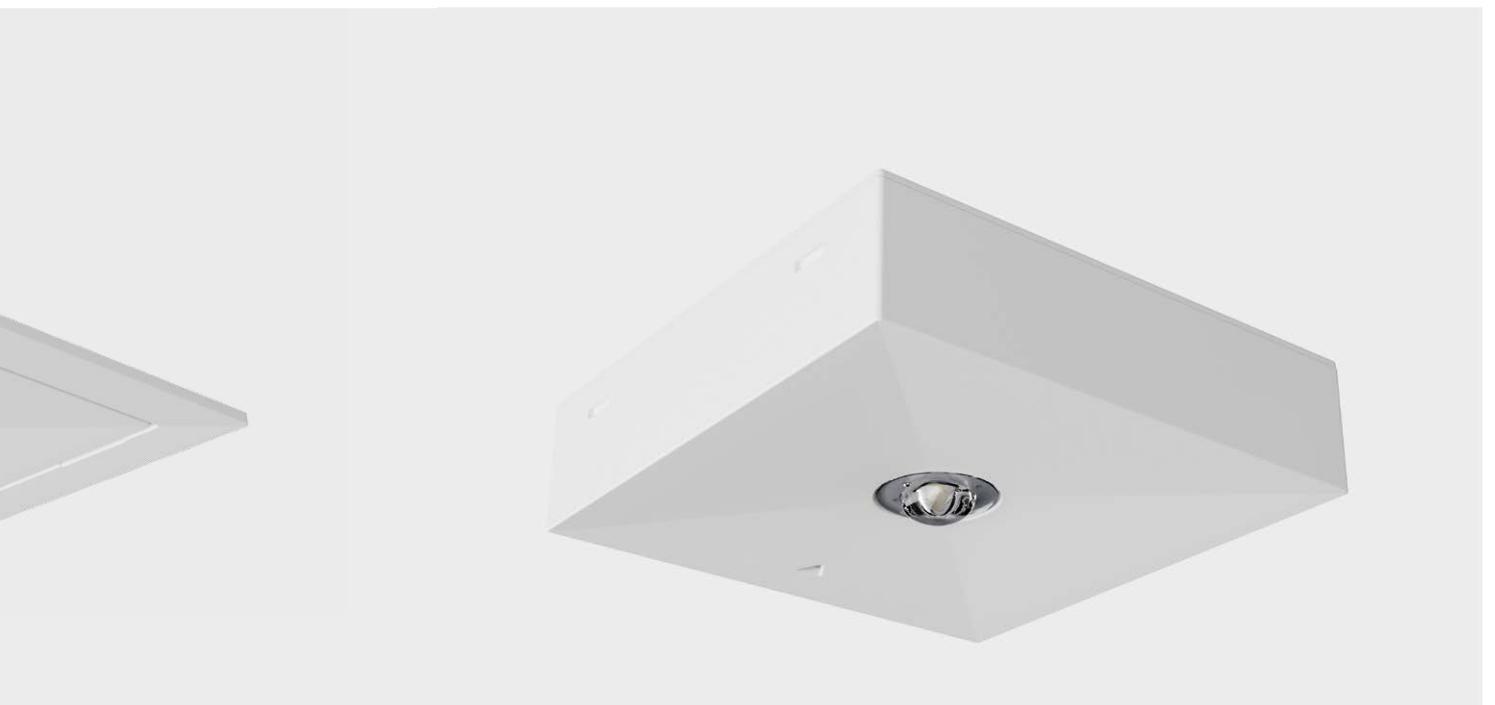
CEILING INSTALLATIONS



Recessed installation

Design and versatility

While designing the LOVATO 3 family, we aimed at ensuring ergonomic installation which ease the maintenance of luminaires. The luminaire is often used in office spaces, shopping malls (including tenant's areas) and social rooms.



Surface installation

LOVATO N 3



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED
IP20

IK06



MATERIALS

White, grey or black polycarbonate body

MOUNTING

Surface
Optionally recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, LED
Optics: A – asymmetric • O – open area • U – universal • R – escape route
• R1 – escape route • R2 – escape route
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Premium: 1h or 3h, LiFePO₄ 3,2V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK06

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C **Central battery:** t_a: 0°C ÷ 50°C

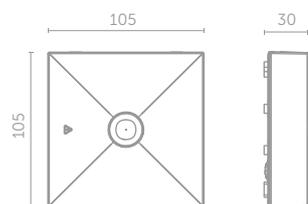
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV II version • ⁽¹⁾ see accessory for recessed mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	OPTICS	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR		
					1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
PREMIUM	LV3N	A O U R R1 R2	1W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
			2W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS											
A		O		U		R		R1		R2	
1h	3h	1h	3h	1h	3h	1h	3h	1h	3h	1h	3h
250	200	250	200	250	200	250	200	250	200	250	200
380	310	380	310	380	310	380	310	380	310	380	310

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	OPTICS	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
LV3N	A O U R R1 R2	1W	Z	CB	ADE	ADP	WH	GR	BL
		2W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

FZLV SYSTEM CONFIGURATION

CODE	OPTICS	POWER	SYSTEM		COLOR		
LV3N	A O U R R1 R2	1W	FZLV	FZLV2	WH	GR	BL
		2W	FZLV	FZLV2	WH	GR	BL

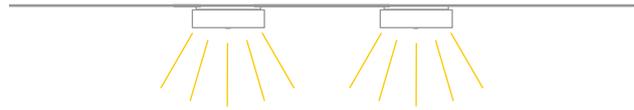
OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

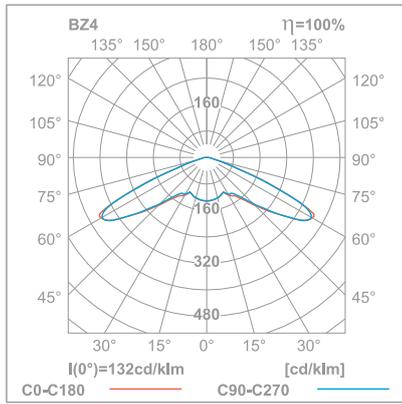
LEGEND:

LV3N	fixture LOVATO N 3	AT	autotest
A	asymmetric optics	RU	Rubic UNA central monitoring
O	optics for open area	FZLV	central battery FZLV 24 VDC
U	universal optics	FZLV2	central battery FZLV II 48 VDC
R	optics for escape route	CB	central battery version
R1	optics for escape route	ADP	address module for CBS 1.0 – SMART technology
R2	optics for escape route	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	WH	white color
Z	electronic gear for addressable central battery fittings	GR	grey color
SE	non maintained	BL	black color
SA	maintained		
PT	manual test button		
X	fitting without additional options		

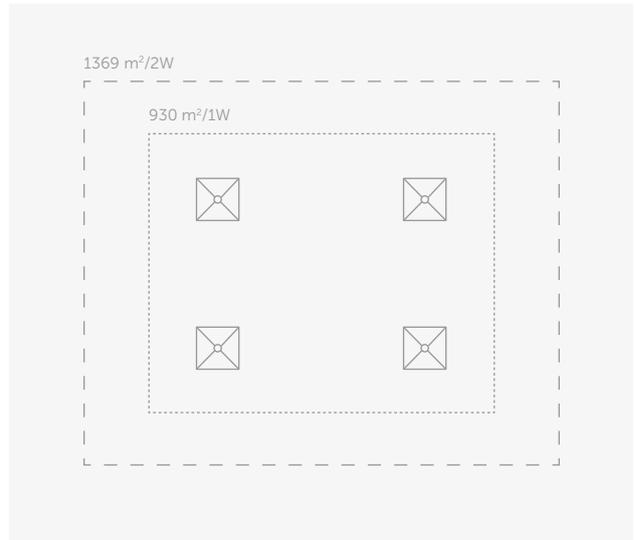
LOVATO N 3 EXAMPLE OF PHOTOMETRY



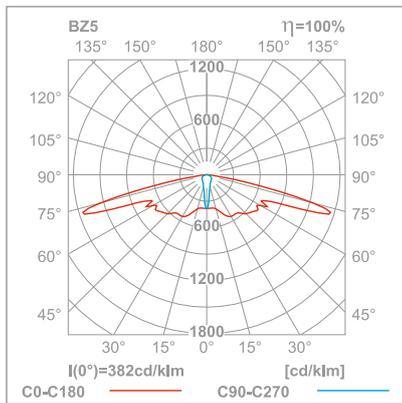
Optic O for open area



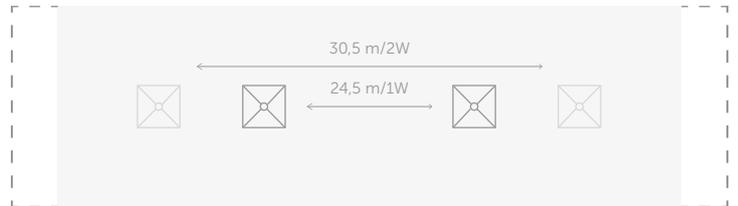
simulation for four luminaires and min 0,5 lx (area)

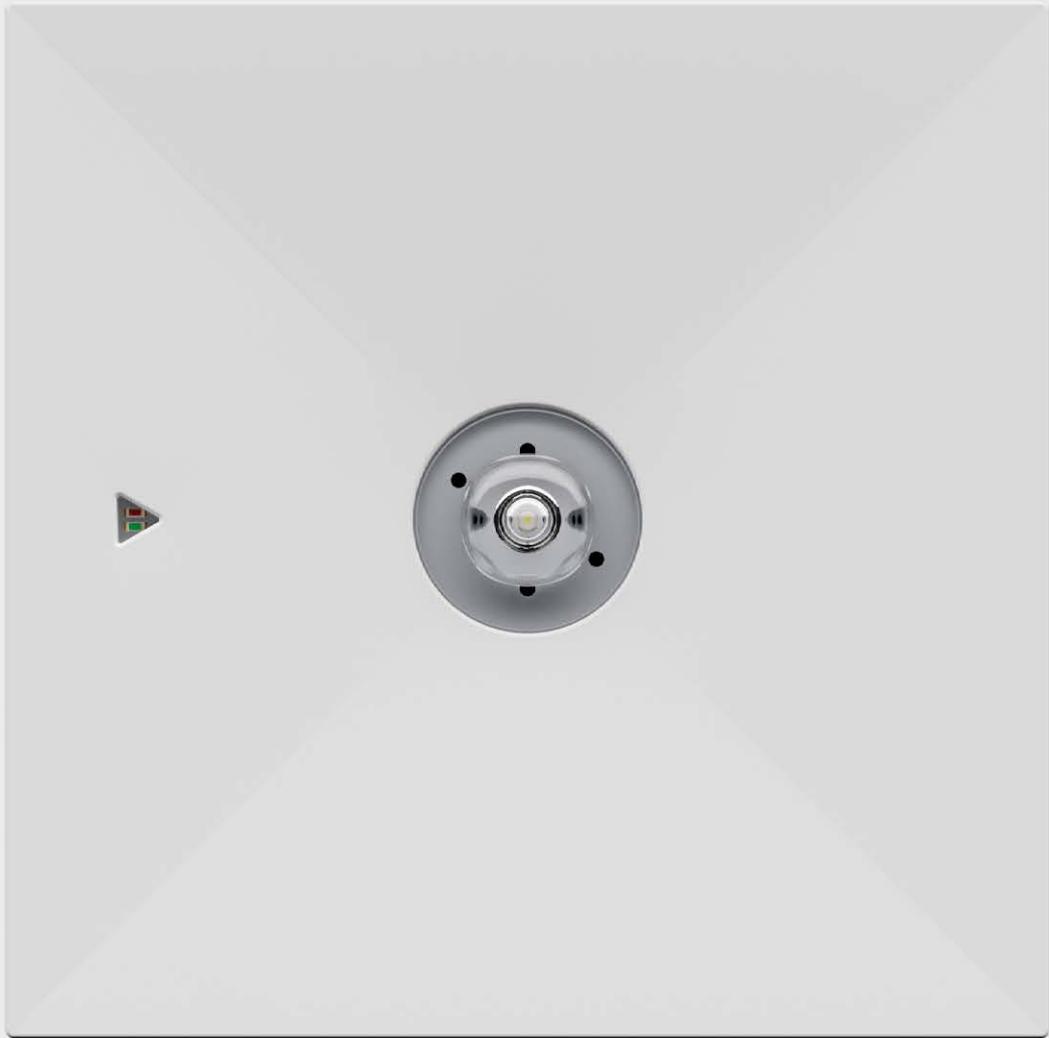


Optic R1 for escape route



simulation for two luminaires and min 1 lx (distance)





LOVATO P 3



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

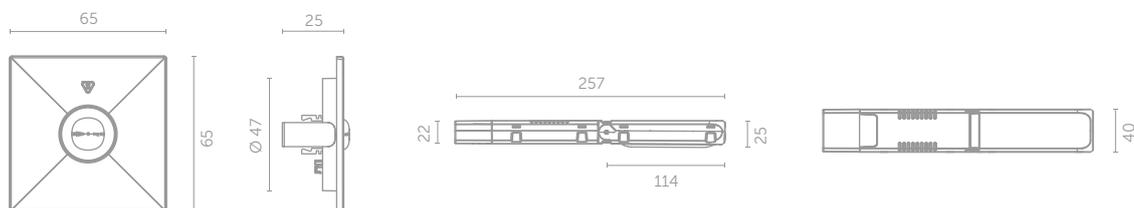
IP20

IK07



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • R1 – escape route • R2 – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Premium: 1h or 3h, LiFePO ₄ 3,2V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK07
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	OPTICS	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR		
					1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
PREMIUM	LV3P	A O U R R1 R2	1W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
			2W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS											
A		O		U		R		R1		R2	
1h	3h	1h	3h	1h	3h	1h	3h	1h	3h	1h	3h
250	200	250	200	250	200	250	200	250	200	250	200
380	310	380	310	380	310	380	310	380	310	380	310

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	OPTICS	POWER	MODULE	SYSTEM	OPTIONS	COLOR
LV3P	A O U R R1 R2	1W	Z	CB	ADE ADP	WH GR BL
		2W	Z	CB	ADE ADP	WH GR BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

FZLV SYSTEM CONFIGURATION

CODE	OPTICS	POWER	SYSTEM	COLOR
LV3P	A O U R R1 R2	1W	FZLV FZLV2	WH GR BL
		2W	FZLV FZLV2	WH GR BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

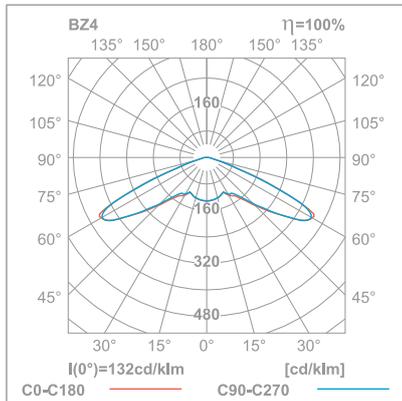
LEGEND:

LV3P	fixture LOVATO P 3	AT	autotest
A	asymmetric optics	RU	Rubic UNA central monitoring
O	optics for open area	FZLV	central battery FZLV 24 VDC
U	universal optics	FZLV2	central battery FZLV II 48 VDC
R	optics for escape route	CB	central battery version
R1	optics for escape route	ADP	address module for CBS 1.0 – SMART technology
R2	optics for escape route	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	WH	white color
Z	electronic gear for addressable central battery fittings	GR	grey color
SE	non maintained	BL	black color
SA	maintained		
PT	manual test button		
X	fitting without additional options		

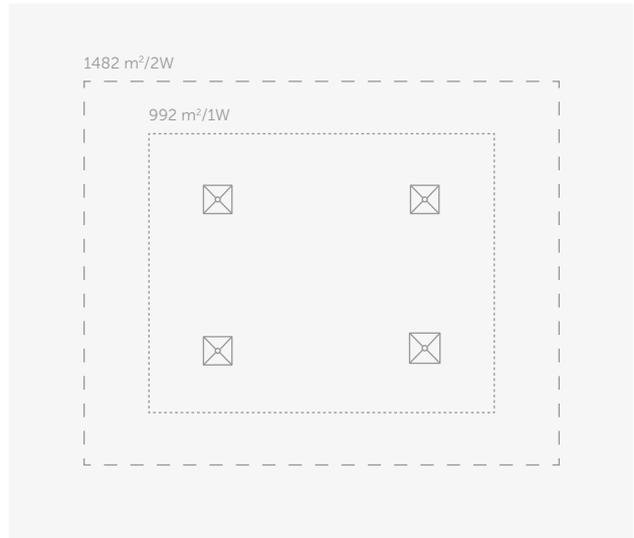
LOVATO P 3 EXAMPLE OF PHOTOMETRY



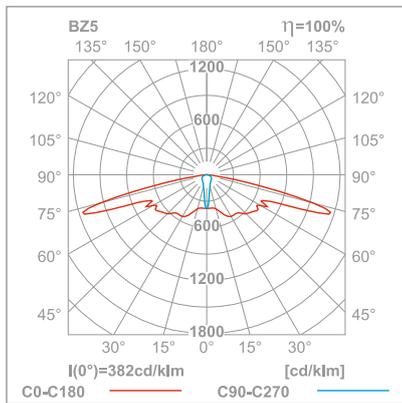
Optic O for open area



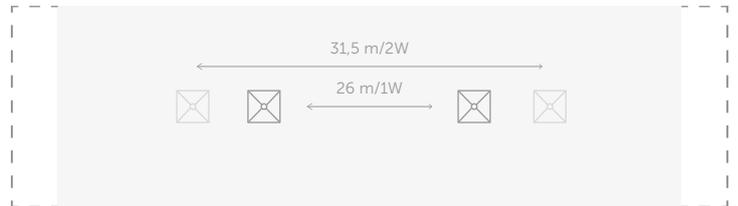
simulation for four luminaires and min 0,5 lx (area)



Optic R1 for escape route



simulation for two luminaires and min 1 lx (distance)





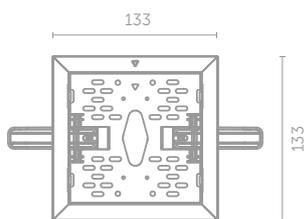
LOVATO 3 accessories



ACCESSORY FOR RECESSED MOUNTING

CODE: LV3N/REC/WH
LV3N/REC/GR
LV3N/REC/BL

DIMENSIONS [mm]



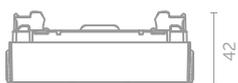
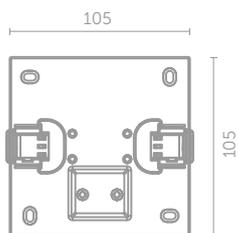
FITS TO LOVATO N 3



BOX FOR SURFACE MOUNTING

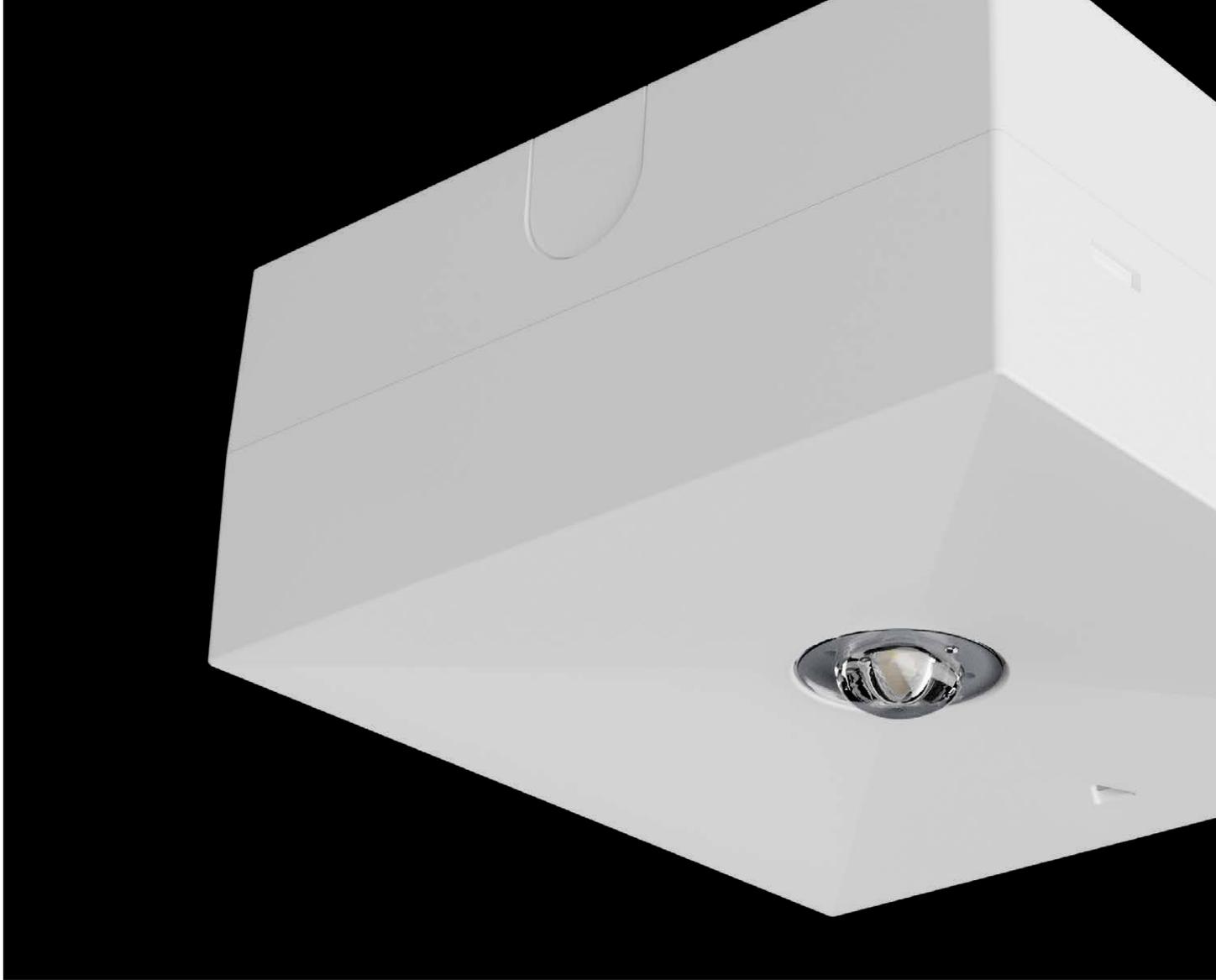
CODE: LV3N/BOX/WH
LV3N/BOX/GR
LV3N/BOX/BL

DIMENSIONS [mm]



FITS TO LOVATO N 3





AX 3 family



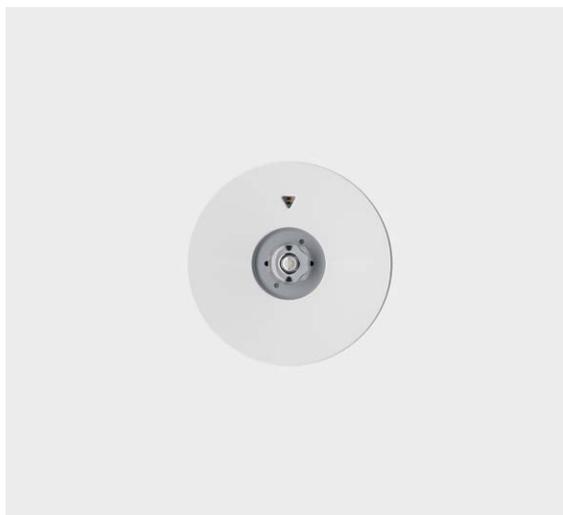


AX 3



AXN 3

p. 42



AXP 3

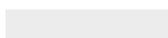
p. 46

Quality and efficiency

AX 3 family is a type of universal emergency luminaires designed for ceiling mounting or for flush mounting inside buildings. The luminaire is made of high-quality components (e.g. highly efficient PowerLed light sources with individually designed lenses) so that it is characterised by above-average parameters in terms of luminous flux and wide light distributions, which, in turn, enables extensive areas to be illuminated, also at high altitudes.

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

CEILING INSTALLATIONS



Recessed installation

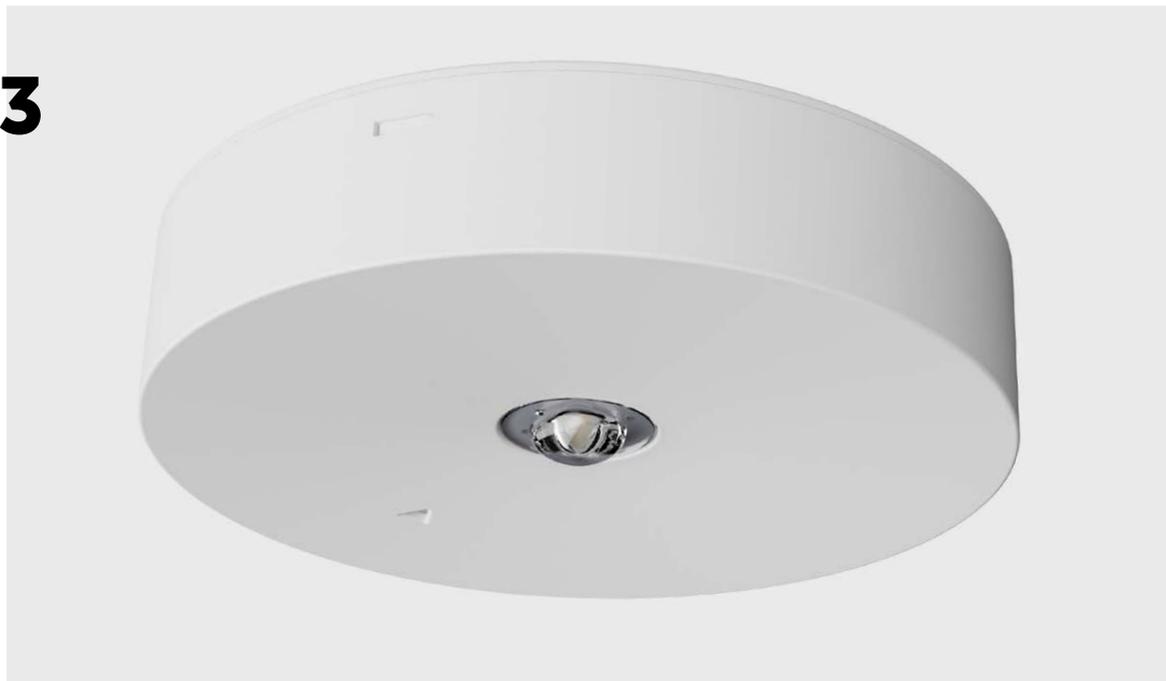
Design and versatility

Its discreet design and enhanced ingress protection make it possible to use it in a number of facilities where, due to functionality, a small luminaire, but with high applicability, is required. It is often used in office spaces, shopping malls, communication routes as well as toilets and social rooms.



Surface installation

AXN 3



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

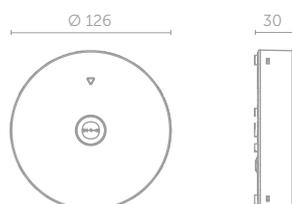
LED
IP20

IK06



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Surface Optionally recessed ⁽¹⁾
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • R1 – escape route • R2 – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Premium: 1h or 3h, LiFePO ₄ 3,2V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK06
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • ⁽¹⁾ see accessory for recessed mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	OPTICS	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR		
	AX3N	A O U R R1 R2	1W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
			2W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS													
A		O		U		R		R1		R2			
1h	3h	1h	3h	1h	3h	1h	3h	1h	3h	1h	3h		
250	200	250	200	250	200	250	200	250	200	250	200		
380	310	380	310	380	310	380	310	380	310	380	310		

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	OPTICS	POWER	MODULE	SYSTEM		OPTIONS		COLOR		
AX3N	A O U R R1 R2	1W	Z	CB		ADE	ADP	WH	GR	BL
		2W	Z	CB		ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

FZLV SYSTEM CONFIGURATION

CODE	OPTICS	POWER	SYSTEM		COLOR		
AX3N	A O U R R1 R2	1W	FZLV	FZLV2	WH	GR	BL
		2W	FZLV	FZLV2	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

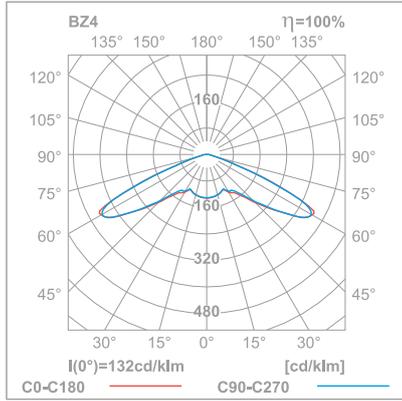
LEGEND:

AX3N	fixture AXN 3	X	fitting without additional options
A	asymmetric optics	AT	autotest
O	optics for open area	RU	Rubic UNA central monitoring
U	universal optics	FZLV	central battery FZLV 24 VDC
R	optics for escape route	FZLV2	central battery FZLV II 48 VDC
R1	optics for escape route	CB	central battery version
R2	optics for escape route	ADP	address module for CBS 1.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	ADE	address module for CBS 2.0 – SMART technology
Z	electronic gear for addressable central battery fittings	WH	white color
SE	non maintained	GR	grey color
SA	maintained	BL	black color
PT	manual test button		

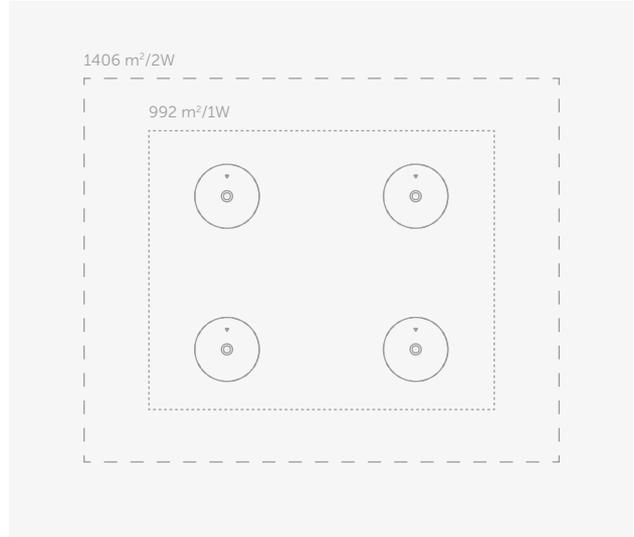
AXN 3 EXAMPLE OF PHOTOMETRY



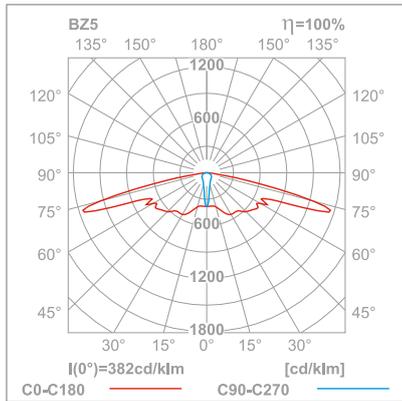
Optic O for open area



simulation for four luminaires and min 0,5 lx (area)



Optic R1 for escape route



simulation for two luminaires and min 1 lx (distance)





AXP 3



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

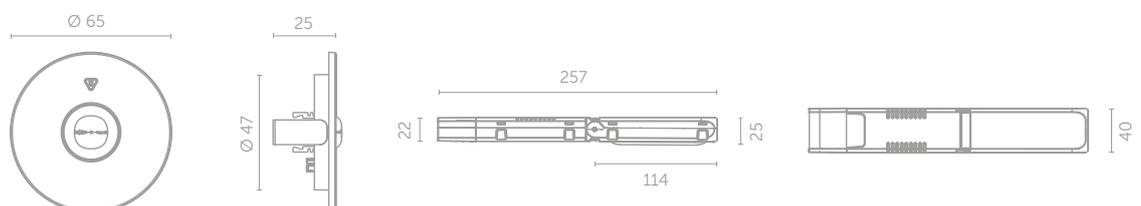
IP20

IK07



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • R1 – escape route • R2 – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Premium: 1h or 3h, LiFePO ₄ 3,2V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK07
AMBIENT TEMPERATURE	Self-contained: t ₃ : 0°C ÷ 40°C Central battery: t ₃ : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	OPTICS	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR		
					1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
PREMIUM	AX3P	A O U R R1 R2	1W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL
			2W	B	1	3	SE	SA	PT	AT	RU	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS											
A		O		U		R		R1		R2	
1h	3h	1h	3h	1h	3h	1h	3h	1h	3h	1h	3h
250	200	250	200	250	200	250	200	250	200	250	200
380	310	380	310	380	310	380	310	380	310	380	310

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	OPTICS	POWER	MODULE	SYSTEM	OPTIONS	COLOR
AX3P	A O U R R1 R2	1W	Z	CB	ADE ADP	WH GR BL
		2W	Z	CB	ADE ADP	WH GR BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

FZLV SYSTEM CONFIGURATION

CODE	OPTICS	POWER	SYSTEM	COLOR
AX3P	A O U R R1 R2	1W	FZLV FZLV2	WH GR BL
		2W	FZLV FZLV2	WH GR BL

OUTPUT IN EMERGENCY MODE [lm]

OPTICS					
A	O	U	R	R1	R2
250	250	250	250	250	250
380	380	380	380	380	380

LEGEND:

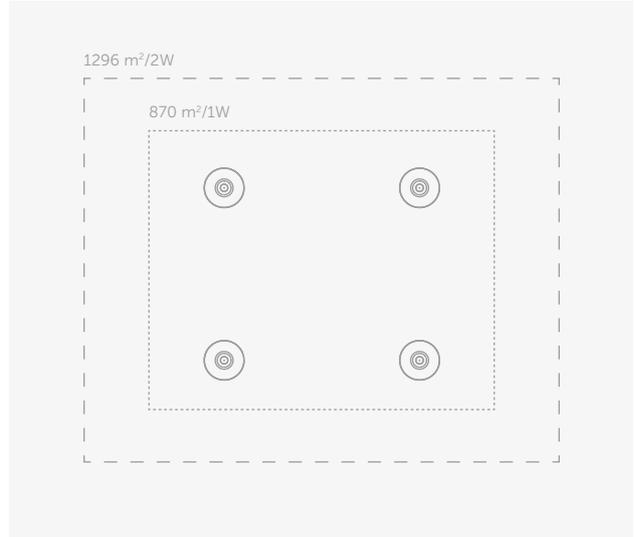
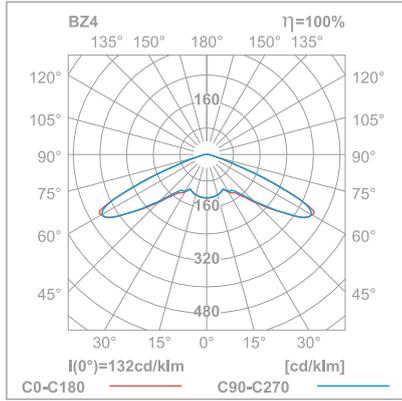
AX3P	fixture AXP 3	X	fitting without additional options
A	asymmetric optics	AT	autotest
O	optics for open area	RU	Rubic UNA central monitoring
U	universal optics	FZLV	central battery FZLV 24 VDC
R	optics for escape route	FZLV2	central battery FZLV II 48 VDC
R1	optics for escape route	CB	central battery version
R2	optics for escape route	ADP	address module for CBS 1.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	ADE	address module for CBS 2.0 – SMART technology
Z	electronic gear for addressable central battery fittings	WH	white color
SE	non maintained	GR	grey color
SA	maintained	BL	black color
PT	manual test button		

AXP 3 EXAMPLE OF PHOTOMETRY



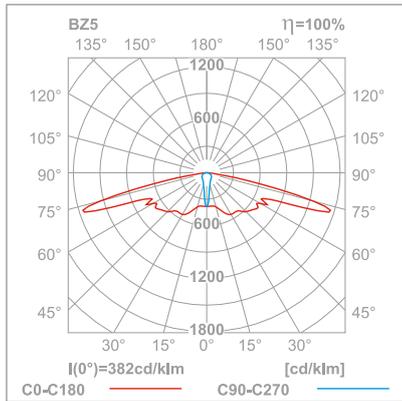
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic R1 for escape route

simulation for two luminaires and min 1 lx (distance)





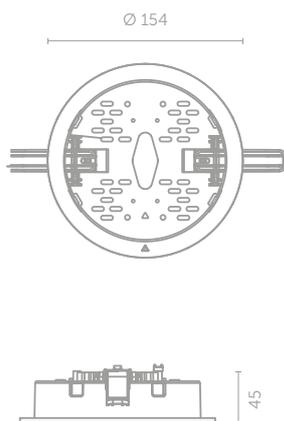
AX 3 accessories



ACCESSORY FOR RECESSED MOUNTING

CODE: AX3N/REC/WH
AX3N/REC/GR
AX3N/REC/BL

DIMENSIONS [mm]



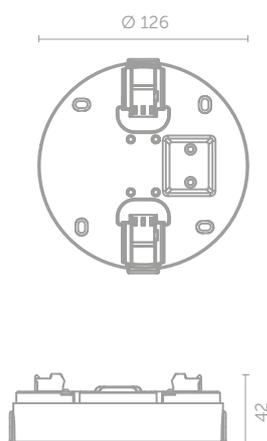
FITS TO AXN 3



BOX FOR SURFACE MOUNTING

CODE: AX3N/BOX/WH
AX3N/BOX/GR
AX3N/BOX/BL

DIMENSIONS [mm]



FITS TO AXN 3





LOVATO family



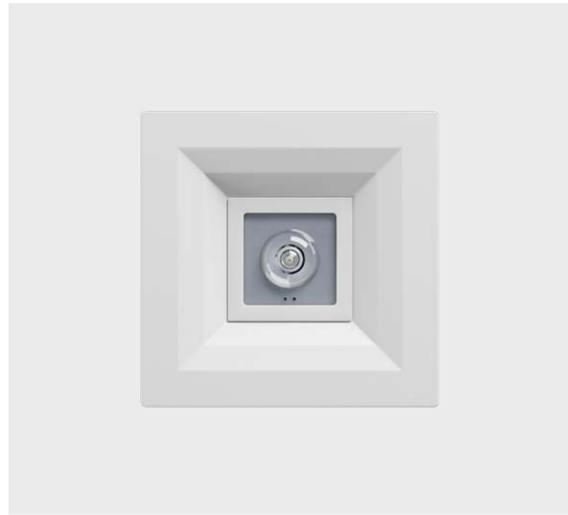


LOVATO



LOVATO II

p. 56



LOVATO P

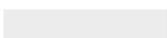
p. 60

Quality and efficiency

LOVATO series is a type of emergency luminaires designed for surface mounting inside buildings. With its small size and variant colours, it can be discretely incorporated into the surface. While designing the LOVATO II, we aimed at ensuring ergonomic installation so that our partners can save time during the installation and maintenance of luminaires. The luminaire is made of highquality components with option of different light output and individually designed lens.

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

TYPES OF LENSES



FOR ESCAPE ROUTE

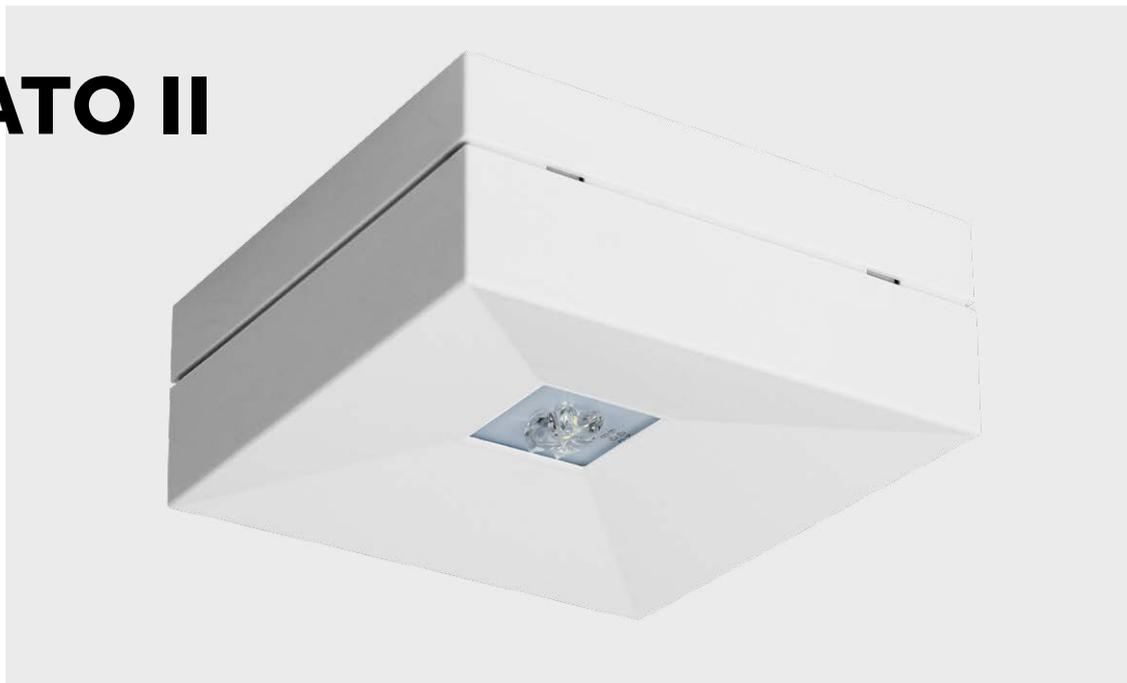
Design and versatility

LOVATO P series is a type of emergency luminaires designed for flush mounting inside buildings. Square shape goes very well with main lighting luminaires. The luminaires are made of smooth polycarbonate body, high-quality efficient PowerLED light sources with individual designed state of the art lenses. Combination of less power with high luminous flux covers wide light distribution with less power consumption. The luminaire is excellent for office spaces, shopping malls (including tenants' areas), hotels, hospitals, airports, train & bus stations, more precisely in communication routes, restaurants, meetings rooms. Depending on visual preferences, it can replace AXP luminaire.



FOR OPEN SPACE

LOVATO II



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP41

IK07

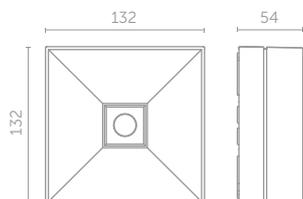


KM 618355
BS-EN 60598-2-22



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Surface
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 4W LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • C – corridor Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP41, IK07
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
STANDARD	LV2R	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
	LV2U	2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
	LV2O	3W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
	LV2A	3W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	LV2R	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	LV2U	2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	LV2O	3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	LV2A	4W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
STANDARD	1W	175	175	175	180	175
	2W	280	290	290	270	300
	3W	400	410	410	390	405
	3W	400	410	410	390	405
PREMIUM	1W	185	185	185	190	185
	2W	330	350	350	320	350
	3W	460	460	460	460	460
	4W	550	550	550	550	550

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
LV2R	1W	F	CB	CBS	X	WH	GR	BL
LV2U	2W	F	CB	CBS	X	WH	GR	BL
LV2O	3W	F	CB	CBS	X	WH	GR	BL
LV2A	3W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
1W	185	185	185	190	185	
2W	330	350	350	320	350	
3W	460	460	460	460	460	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
LV2R LV2U LV2O LV2C LV2A	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL
	3W	Z	CB	ADE	ADP	WH	GR	BL
	4W	Z	CB	ADE		WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
1W	185	185	185	190	185	
2W	330	350	350	320	350	
3W	460	460	460	460	460	
4W	550	550	550	550	550	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
LV2R LV2U LV2O LV2C LV2A	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
	4W		FZLV2	WH	GR	BL

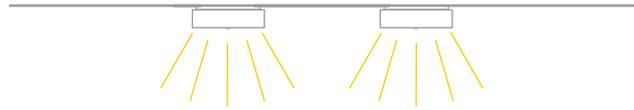
OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		LV2R	LV2U	LV2O	LV2C	LV2A
1W	185	185	185	190	185	
2W	330	350	350	320	350	
3W	460	460	460	460	460	
4W	550	550	550	550	550	

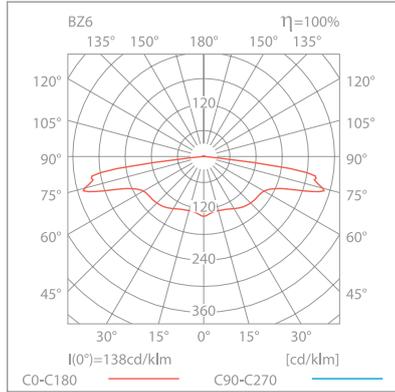
LEGEND:

LV2R	fixture LOVATO II with optics for escape route	F	electronic gear for central battery fittings	FZLV	central battery FZLV 24 VDC
LV2U	fixture LOVATO II with universal optics	Z	electronic gear for addressable central battery fittings	FZLV2	central battery FZLV II 48 VDC
LV2O	fixture LOVATO II with optics for open area	SE	non maintained	CB	central battery version
LV2C	fixture LOVATO II with optics for corridor	SA	maintained	CBS	central battery for circuit monitoring
LV2A	fixture LOVATO II with asymmetric optics	PT	manual test button	ADP	address module for CBS 1.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	AT	autotest	WH	white color
		RU	Rubic UNA central monitoring	GR	grey color
		RW	Rubic UNA Wireless central monitoring	BL	black color
		RD	DALI central monitoring		

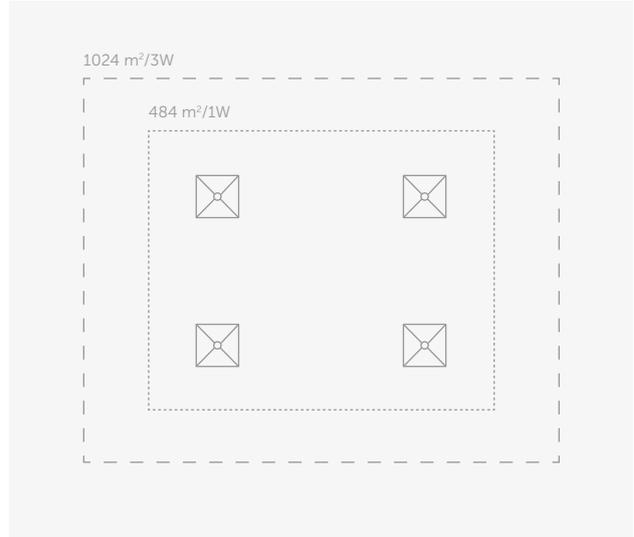
LOVATO II EXAMPLE OF PHOTOMETRY



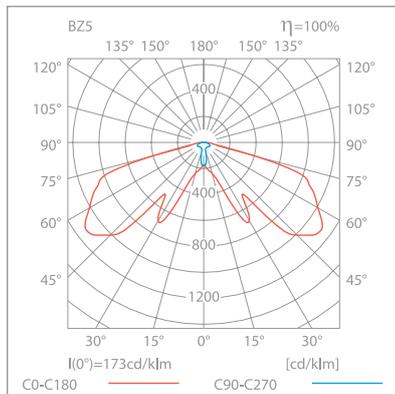
Optic O for open area



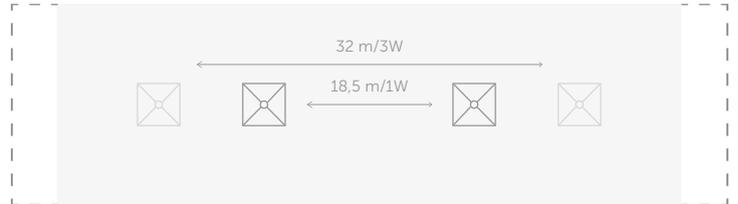
simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor



simulation for two luminaires and min 1 lx (distance)





LOVATO P



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08

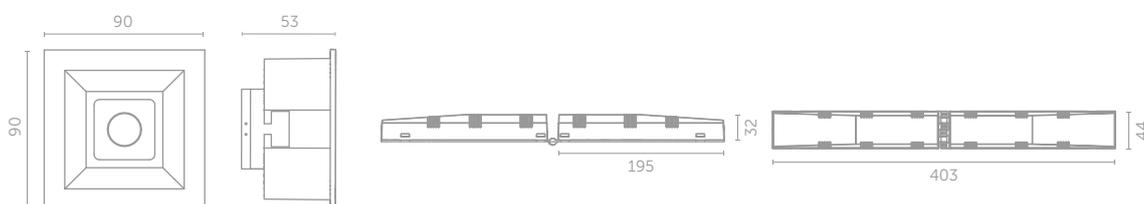


KM 618355
BS-EN 60598-2-22



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 4W, 6W LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • C – corridor Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK08
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS		COLOR		
						SE	SA	AT	X	WH	GR	BL	
STANDARD	LVPR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
	LVPU	2W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
	LVPO LVPC LVPA	3W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
PREMIUM	LVPR LVPU LVPO LVPC LVPA	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
		3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
		4W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
		6W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL

* power in emergency mode

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		LVPR	LVPU	LVPO	LVPC	LVPA
STANDARD	1W	180	180	175	180	175
	2W	300	300	300	300	300
	3W	400	410	385	385	400
PREMIUM	1W	190	190	185	190	185
	2W	350	350	350	350	350
	3W	460	460	460	460	460
	4W	550	550	550	550	550
	6W	785	800	775	785	765

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
LVPR LVPU LVPO LVPC LVPA	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL
	6W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	190	190	185	190	185
2W	350	350	350	350	350
3W	460	460	460	460	460
6W	785	800	775	785	765

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
LVPR LVPU LVPO LVPC LVPA	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL
	3W	Z	CB	ADE	ADP	WH	GR	BL
	4W	Z	CB	ADE		WH	GR	BL
	6W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	190	190	185	190	185
2W	350	350	350	350	350
3W	460	460	460	460	460
4W	550	550	550	550	550
6W	785	800	775	785	765

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
LVPR LVPU LVPO LVPC LVPA	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
	4W		FZLV2	WH	GR	BL
	6W		FZLV2	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	LVPR	LVPU	LVPO	LVPC	LVPA
1W	190	190	185	190	185
2W	350	350	350	350	350
3W	460	460	460	460	460
4W	550	550	550	550	550
6W	785	800	775	785	765

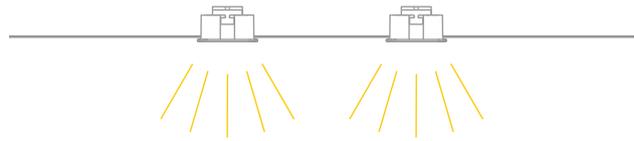
LEGEND:

LVPR	fixture LOVATO P with optics for escape route
LVPU	fixture LOVATO P with universal optics
LVPO	fixture LOVATO P with optics for open area
LVPC	fixture LOVATO P with optics for corridor
LVPA	fixture LOVATO P with asymmetric optics
E, C	electronic gear for STANDARD self-contained fittings
B	electronic gear for PREMIUM

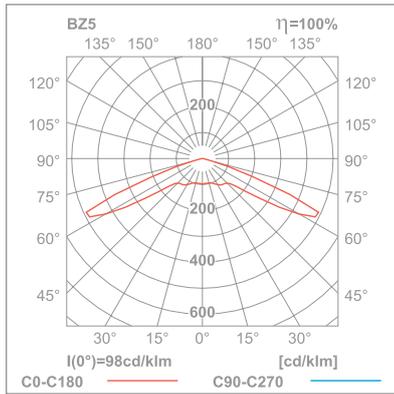
F	self-contained fittings electronic gear for central battery fittings
Z	electronic gear for addressable central battery fittings
SE	non maintained
SA	maintained
X	fitting without additional options
AT	autotest
RU	Rubic UNA central monitoring
RD	DALI central monitoring
FZLV	central battery FZLV 24 VDC
FZLV2	central battery FZLV II 48 VDC

CB	central battery version
CBS	central battery for circuit monitoring
ADP	address module for CBS 1.0 – SMART technology
ADE	address module for CBS 2.0 – SMART technology
WH	white color
GR	grey color
BL	black color

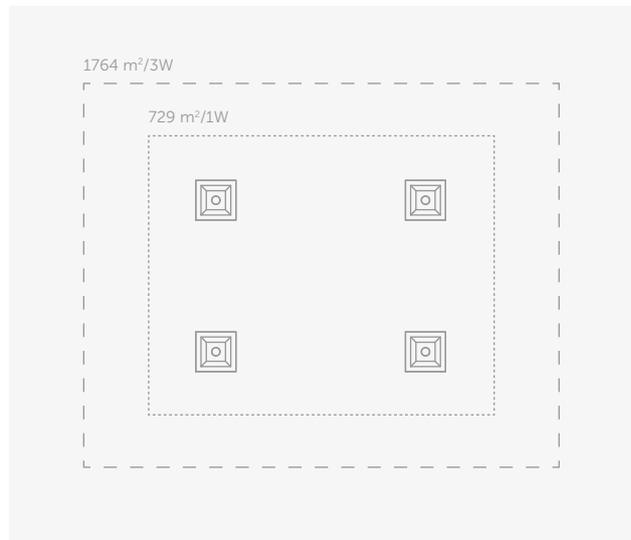
LOVATO P EXAMPLE OF PHOTOMETRY



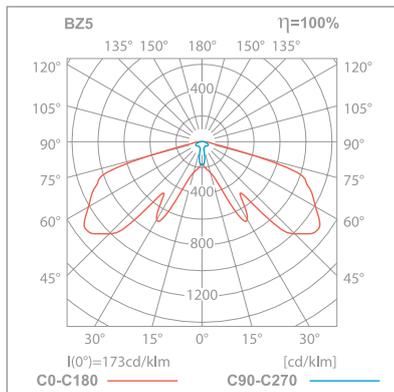
Optic O for open area



simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor



simulation for two luminaires and min 1 lx (distance)





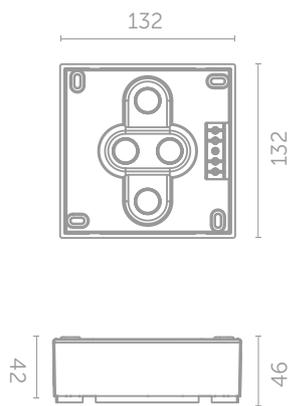
LOVATO accessories



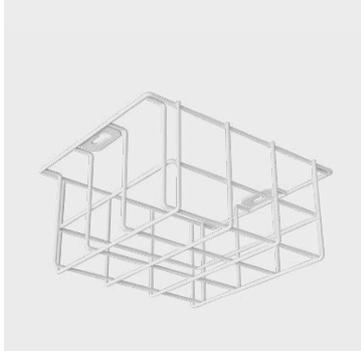
BOX FOR SURFACE MOUNTING

CODE: LV2/BOX/WH
LV2/BOX/GR
LV2/BOX/BL

DIMENSIONS [mm]



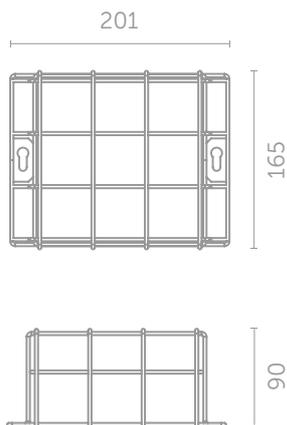
FITS TO LOVATO II



WIRE GUARD

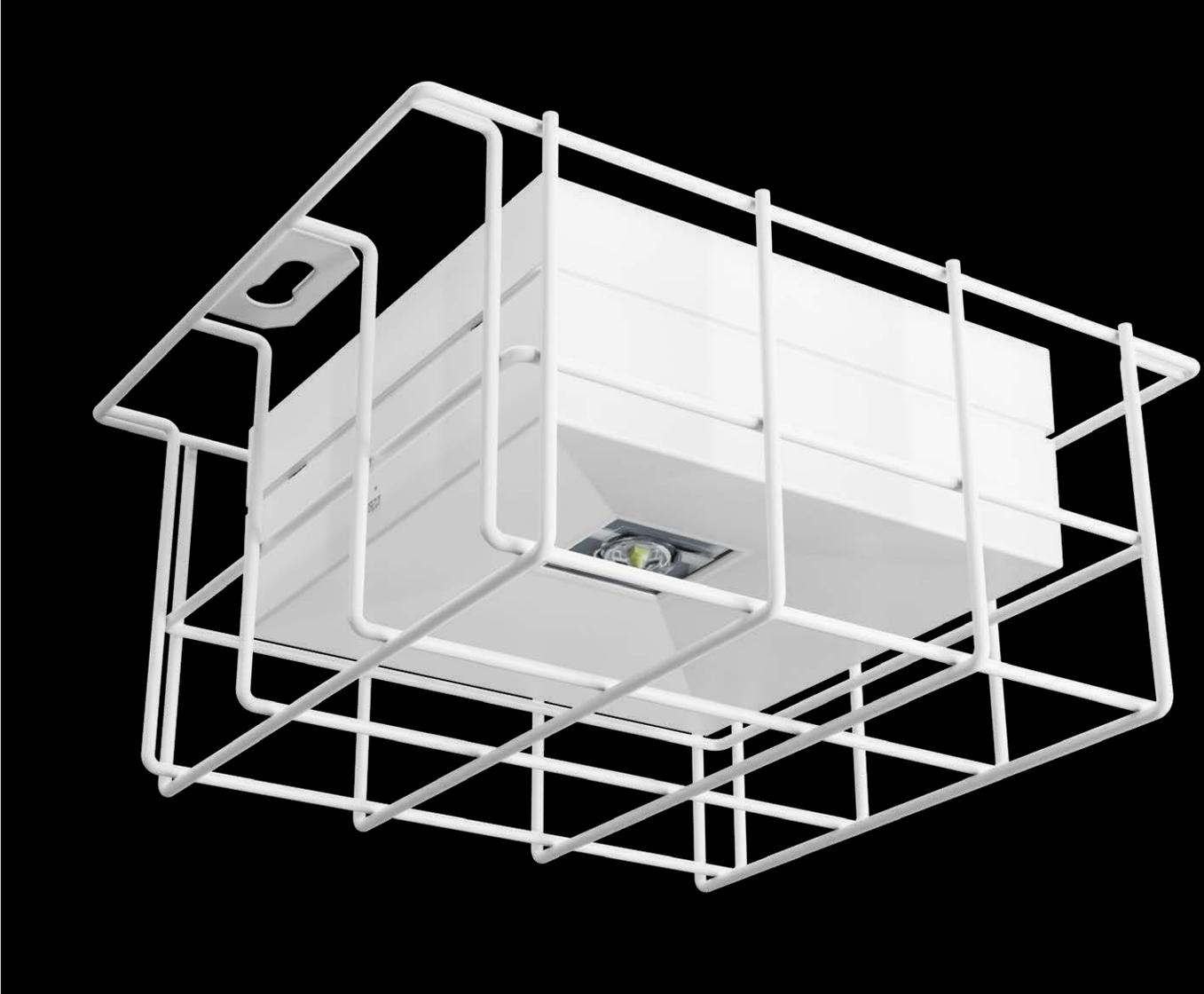
CODE: 1015

DIMENSIONS [mm]



FITS TO LOVATO II





AX family





AX



AXN

p. 70



AXP

p. 74

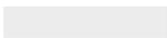
Quality and efficiency

AX series is a decorative type emergency light designed for both flush and surface mounting inside the building. The luminaire is made of round shape polycarbonate body, high-quality components (e.g. highly efficient PowerLed light sources with individually designed lenses) with above-average luminous fluxes from small housing. Its discreet design give possible to use it in a number of facilities where small luminaire with high applicability is required.

Like office spaces, shopping malls, hotels, hospitals, airports, train & bus stations, more precisely in communication routes, restaurants, meetings rooms. Depending on visual preferences, it can replace LVP luminaires.

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

CLOSE UP



Design and versatility

AXN series is a type of emergency luminaires designed for surface mounting, both indoors and outdoors (high ingress protection IP65). Mentioned in turn, enables extensive areas to be illuminated also from high altitudes. Additionally, with the optional use of heater HTR-25 system made by AWEX, the AXN luminaire is suitable for difficult environmental conditions (low temperatures).



AXN



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP65

IK08

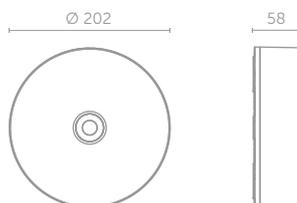


KM 618355
BS-EN 60598-2-22



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Surface
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 4W, 6W LED Optics: A – asymmetric • O – open area • U – universal • R – escape route • C – corridor Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP65, IK08
AMBIENT TEMPERATURE	Self-contained: t ₃ : 0°C ÷ 40°C • t ₃ : -25°C ÷ 40°C – together with heater for low temperatures Central battery: t ₃ : -25°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV II version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
STANDARD	AXNR AXNU AXNO AXNC AXNA	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		3W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM		1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	AXNR AXNU AXNO AXNC AXNA	2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		4W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		6W*	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

* power in emergency mode

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	AXNR	AXNU	AXNO	AXNC	AXNA
STANDARD	1W	180	180	180	180	175
	2W	290	300	285	290	290
	3W	400	410	385	390	405
PREMIUM	1W	190	190	190	185	185
	2W	340	350	330	340	340
	3W	460	460	460	460	460
	4W	550	550	550	550	550
	6W	790	805	780	790	770

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
AXNR AXNU AXNO AXNC AXNA	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL
	6W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	AXNR	AXNU	AXNO	AXNC	AXNA
1W	190	190	190	185	185	
2W	340	350	330	340	340	
3W	460	460	460	460	460	
6W	790	805	780	790	770	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
AXNR AXNU AXNO AXNC AXNA	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL
	3W	Z	CB	ADE	ADP	WH	GR	BL
	4W	Z	CB		ADE	WH	GR	BL
	6W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	AXNR	AXNU	AXNO	AXNC	AXNA
1W	190	190	190	185	185	
2W	340	350	330	340	340	
3W	460	460	460	460	460	
4W	550	550	550	550	550	
6W	790	805	780	790	770	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
AXNR AXNU AXNO AXNC AXNA	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
	4W		FZLV2	WH	GR	BL
	6W		FZLV2	WH	GR	BL

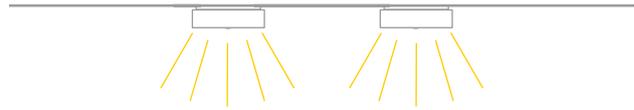
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	AXNR	AXNU	AXNO	AXNC	AXNA
1W	190	190	190	185	185	
2W	340	350	330	340	340	
3W	460	460	460	460	460	
4W	550	550	550	550	550	
6W	790	805	780	790	770	

LEGEND:

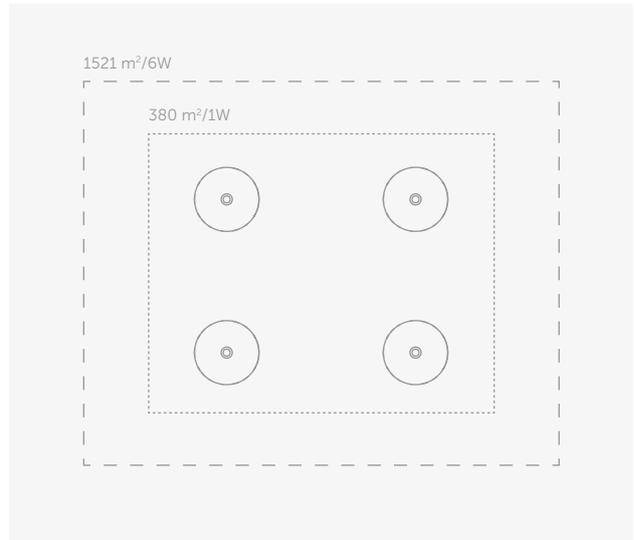
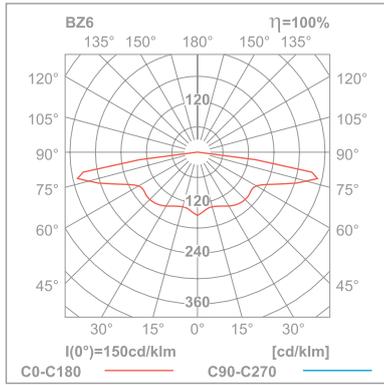
AXNR	fixture AXN with optics for escape route	F	electronic gear for central battery fittings	FZLV	central battery FZLV 24 VDC
AXNU	fixture AXN with universal optics	Z	electronic gear for addressable central battery fittings	FZLV2	central battery FZLV II 48 VDC
AXNO	fixture AXN with optics for open area	SE	non maintained	CB	central battery version
AXNC	fixture AXN with optics for corridor	SA	maintained	CBS	central battery for circuit monitoring
AXNA	fixture AXN with asymmetric optics	PT	manual test button	ADP	address module for CBS 1.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	AT	autotest	WH	white color
		RU	Rubic UNA central monitoring	GR	grey color
		RW	Rubic UNA Wireless central monitoring	BL	black color
		RD	DALI central monitoring		

AXN EXAMPLE OF PHOTOMETRY



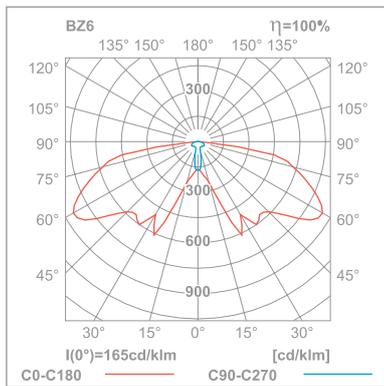
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor

simulation for two luminaires and min 1 lx (distance)





AXP



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body

MOUNTING

Recessed

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W, 4W, 6W LED
Optics: A – asymmetric • O – open area • U – universal • R – escape route • C – corridor
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C **Central battery:** t_a: 0°C ÷ 50°C

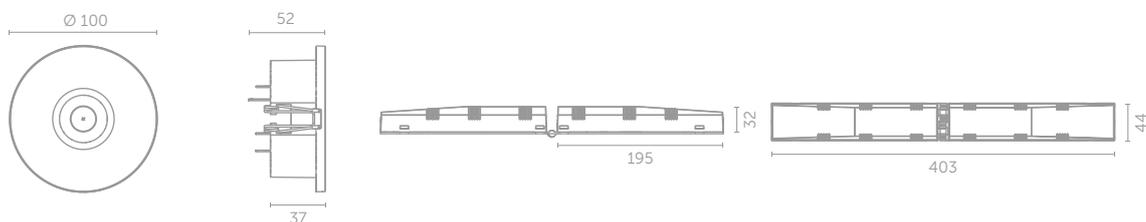
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC
• FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS		COLOR		
						SE	SA	AT	X	WH	GR	BL	
STANDARD	AXEPR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
	AXEPU	2W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
	AXEPC AXEPA	3W	E C	1	3	SE	SA	AT	X	WH	GR	BL	
PREMIUM		1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	AXEPR	2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	AXEPU	3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	AXEPC	4W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
	AXEPA	6W*	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL

* power in emergency mode

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
AXEPR AXEPU AXEPO AXEPC AXEPA	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL
	6W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
AXEPR AXEPU AXEPO AXEPC AXEPA	1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	4W	Z	CB	ADE <td></td> <td>WH</td> <td>GR</td> <td>BL</td>		WH	GR	BL
	6W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
AXEPR AXEPU AXEPO AXEPC AXEPA	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
	4W		FZLV2	WH	GR	BL
	6W		FZLV2	WH	GR	BL

LEGEND:

AXEPR fixture AXP with optics for escape route
 AXEPU fixture AXP with universal optics
 AXEPO fixture AXP with optics for open area
 AXEPC fixture AXP with optics for corridor
 AXEPA fixture AXP with asymmetric optics
 E, C electronic gear for STANDARD self-contained fittings
 B electronic gear for PREMIUM self-contained fittings

F electronic gear for central battery fittings
 Z electronic gear for addressable central battery fittings
 SE non maintained
 SA maintained
 X fitting without additional options
 AT autotest
 RU Rubic UNA central monitoring
 RD DALI central monitoring
 FZLV central battery FZLV 24 VDC
 FZLV2 central battery FZLV II 48 VDC
 CB central battery version

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	AXEPR	AXEPU	AXEPO	AXEPC	AXEPA
STANDARD	1W	180	180	180	180	175
	2W	290	300	290	290	290
	3W	400	410	405	400	405
PREMIUM	1W	190	190	190	190	185
	2W	340	350	340	340	340
	3W	460	460	460	460	460
	4W	550	550	550	550	550
	6W	785	800	775	785	765

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	AXEPR	AXEPU	AXEPO	AXEPC	AXEPA
AXEPR AXEPU AXEPO AXEPC AXEPA	1W	190	190	190	190	185
	2W	340	350	340	340	340
	3W	460	460	460	460	460
	6W	785	800	775	785	765

OUTPUT IN EMERGENCY MODE [lm]

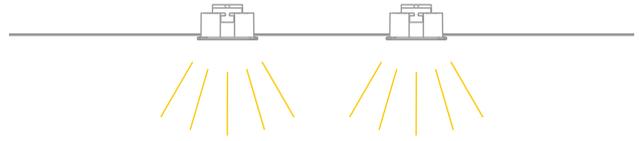
	OUTPUT [lm]					
	POWER	AXEPR	AXEPU	AXEPO	AXEPC	AXEPA
AXEPR AXEPU AXEPO AXEPC AXEPA	1W	190	190	190	190	185
	2W	340	350	340	340	340
	3W	460	460	460	460	460
	4W	550	550	550	550	550
	6W	785	800	775	785	765

OUTPUT IN EMERGENCY MODE [lm]

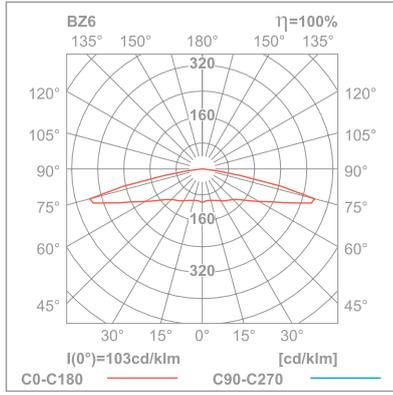
	OUTPUT [lm]					
	POWER	AXEPR	AXEPU	AXEPO	AXEPC	AXEPA
AXEPR AXEPU AXEPO AXEPC AXEPA	1W	190	190	190	190	185
	2W	340	350	340	340	340
	3W	460	460	460	460	460
	4W	550	550	550	550	550
	6W	785	800	775	785	765

CBS central battery for circuit monitoring
 ADP address module for CBS 1.0 – SMART technology
 ADE address module for CBS 2.0 – SMART technology
 WH white color
 GR grey color
 BL black color

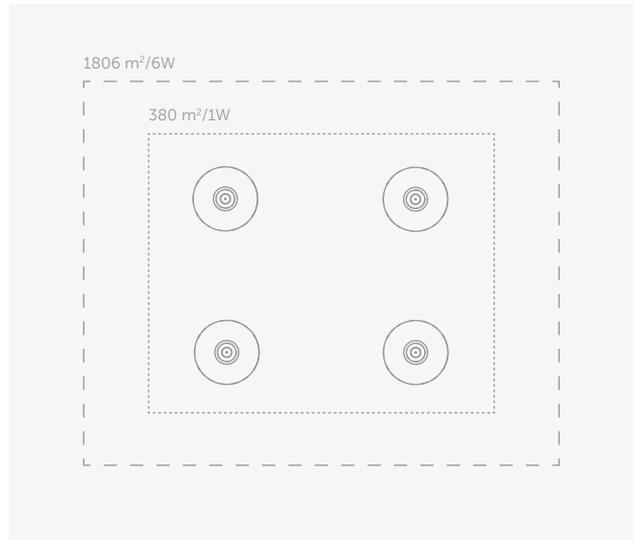
AXP EXAMPLE OF PHOTOMETRY



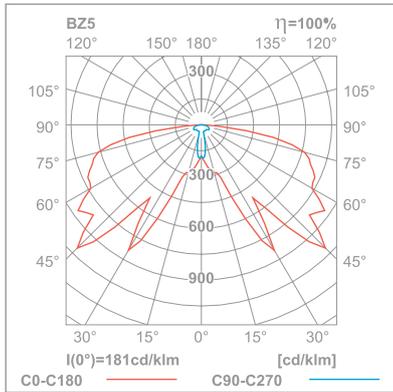
Optic O for open area



simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor

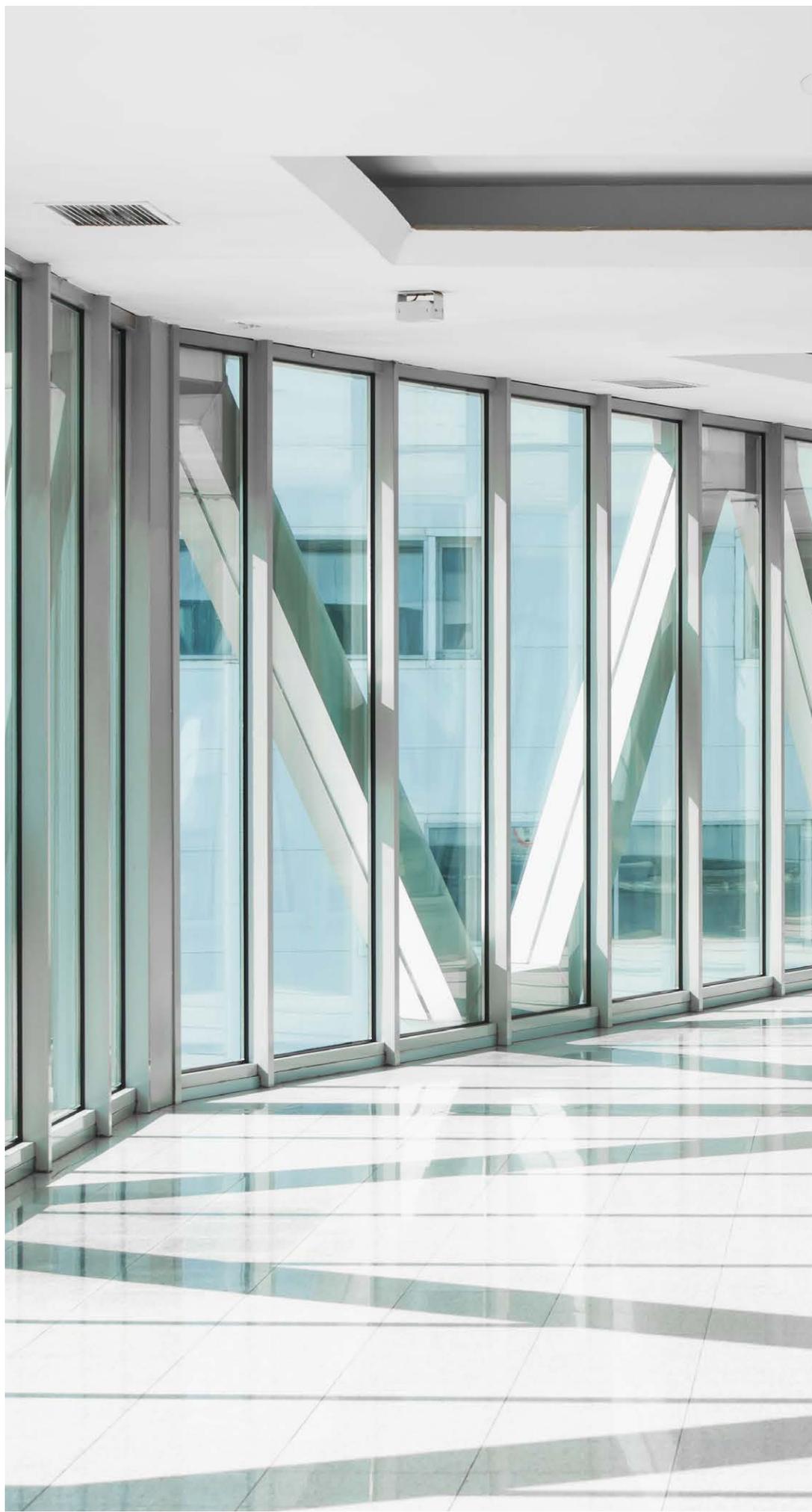


simulation for two luminaires and min 1 lx (distance)





MICRO SPOT family





MICRO SPOT



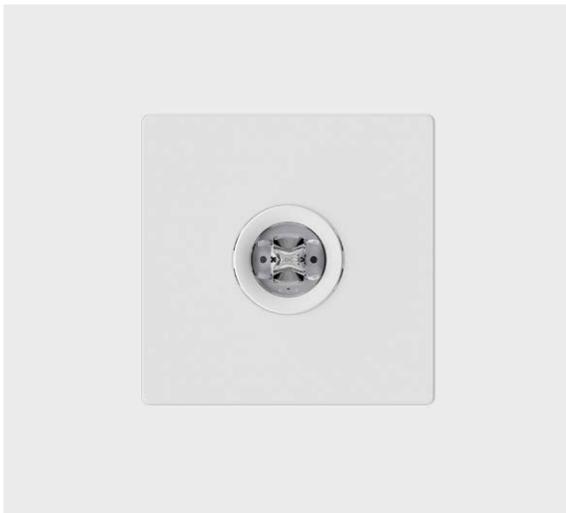
MICRO SPOT

p. 82



MICRO SPOT ROUND

p. 86



MICRO SPOT SQUARE

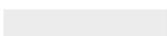
p. 90

CLOSE UP



COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

Micro size with max illumination

MICRO SPOT series is a new concept of emergency luminaires designed for flush mounting inside buildings, or main lighting luminaires. Its small size makes it easy to be incorporated into the surface. The luminaire is made of high-quality components and the ability to select the power/light output along with an individually designed lens. With newly designed lenses light can be concentrated along corridors or spread through open spaces. It is often used in office spaces, shopping malls, communication routes and social rooms.



MICRO SPOT



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

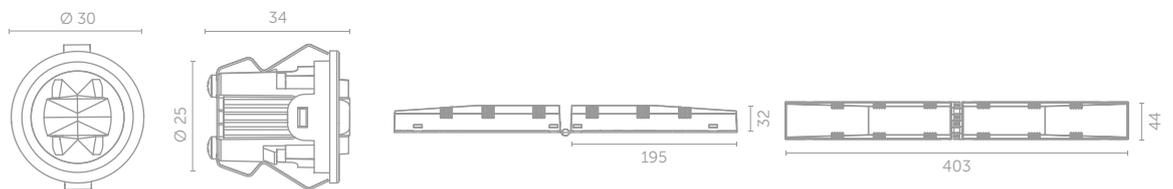
IP20

IK08



MATERIALS	White, grey or black polycarbonate body
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W LED Optics: U – universal • R – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK08
AMBIENT TEMPERATURE	Self-contained: t ₃ : 0°C ÷ 40°C Central battery: t ₃ : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR		
						SE	SA	AT	X	WH	GR	BL		
STANDARD	MSU MSR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		2W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		3W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
PREMIUM	MSU MSR	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MSU	MSR
STANDARD	1W	170	165
	2W	290	280
	3W	400	385
PREMIUM	1W	185	175
	2W	345	330
	3W	460	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
MSU MSR	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MSU	MSR
1W	185	175	
2W	345	330	
3W	460	460	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
MSU MSR	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL
	3W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MSU	MSR
1W	185	175	
2W	345	330	
3W	460	460	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
MSU MSR	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL

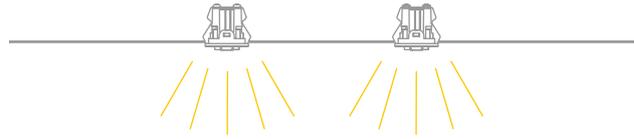
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MSU	MSR
1W	185	175	
2W	345	330	
3W	460	460	

LEGEND:

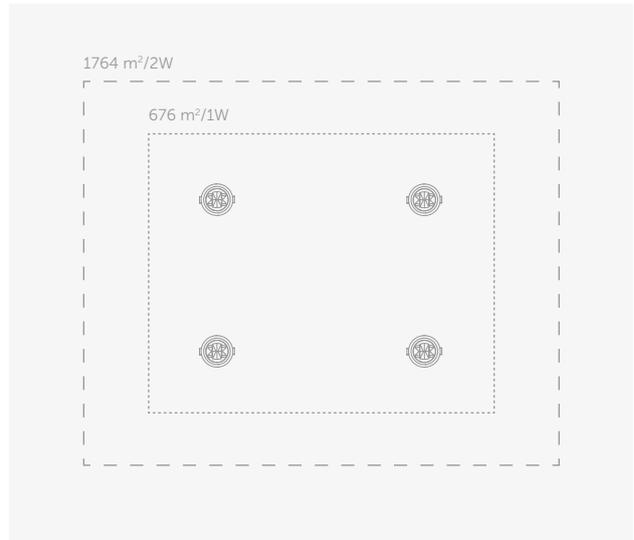
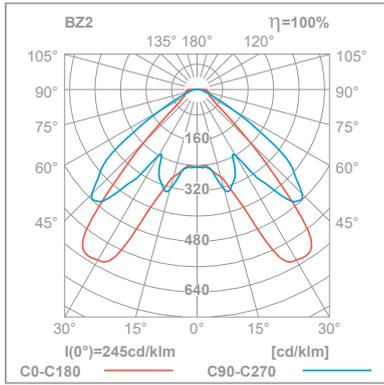
MSU	fixture MICRO SPOT with optic for universal uses	AT	autotest
MSR	fixture MICRO SPOT with optics for escape route	RU	Rubic UNA central monitoring
E, C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
		WH	white color
		GR	grey color
		BL	black color

MICRO SPOT EXAMPLE OF PHOTOMETRY



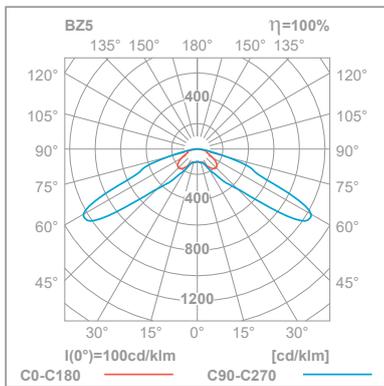
Optic U for universal uses

simulation for four luminaires and min 0,5 lx (area)



Optic R for escape route

simulation for two luminaires and min 1 lx (distance)





MICRO SPOT Round



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED
IP20

IK08



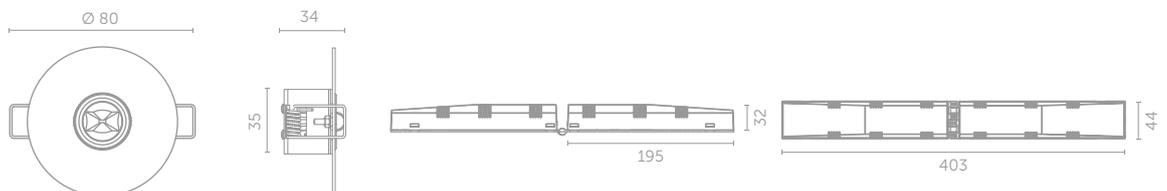
Ni-Cd

LiFePO₄



MATERIALS	White, grey or black polycarbonate body Cover made of steel painted
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W LED Optics: U – universal • R – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK08
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR		
						SE	SA	AT	X	WH	GR	BL		
STANDARD	MTRU MTRR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		2W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		3W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
PREMIUM	MTRU MTRR	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTRU	MTRR
STANDARD	1W	170	165
	2W	290	280
	3W	400	385
PREMIUM	1W	185	175
	2W	345	330
	3W	460	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
MTRU MTRR	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTRR	MTRR
1W	185	175	
2W	345	330	
3W	460	460	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
MTRU MTRR	1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTRR	MTRR
1W	185	175	
2W	345	330	
3W	460	460	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
MTRU MTRR	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL

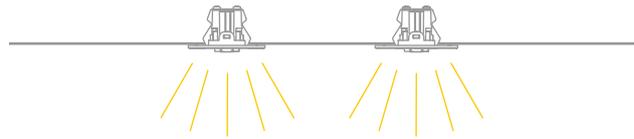
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTRR	MTRR
1W	185	175	
2W	345	330	
3W	460	460	

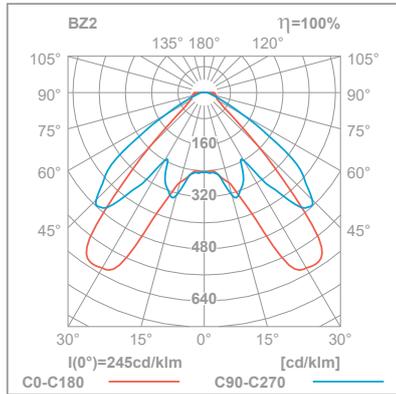
LEGEND:

MTRU	fixture MICRO SPOT round with optic for universal uses	AT	autotest
MTRR	fixture MICRO SPOT round with optics for escape route	RU	Rubic UNA central monitoring
E, C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
		WH	white color
		GR	grey color
		BL	black color

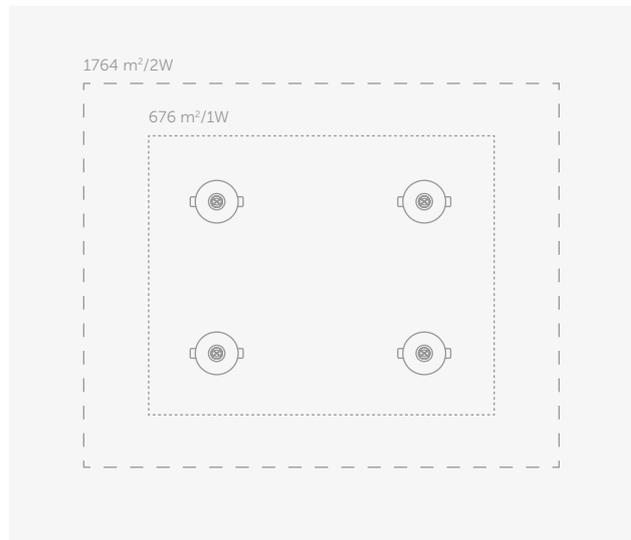
MICRO SPOT ROUND EXAMPLE OF PHOTOMETRY



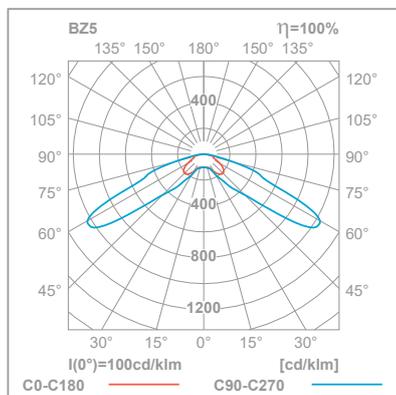
Optic U for universal uses



simulation for four luminaires and min 0,5 lx (area)



Optic R for escape route

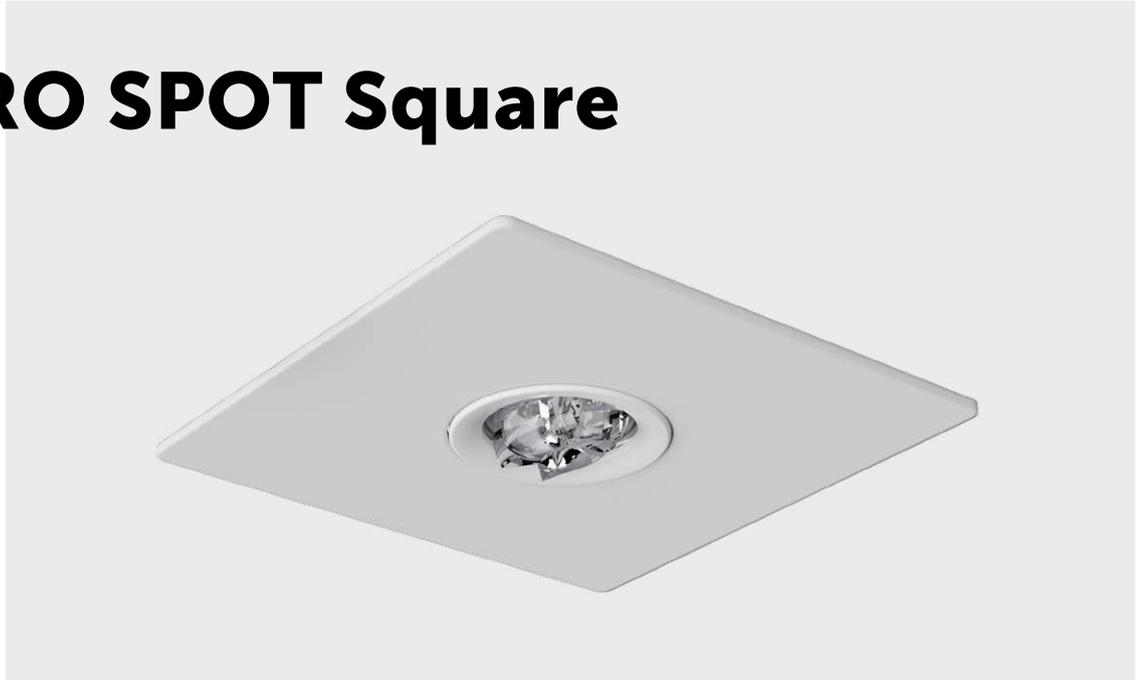


simulation for two luminaires and min 1 lx (distance)





MICRO SPOT Square



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



Ni-Cd

LiFePO₄



MATERIALS

White, grey or black polycarbonate body
Cover made of steel painted

MOUNTING

Recessed

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W LED
Optics: U – universal • R – escape route
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

AMBIENT TEMPERATURE

Self-contained: t_a : 0°C ÷ 40°C **Central battery:** t_a : 0°C ÷ 50°C

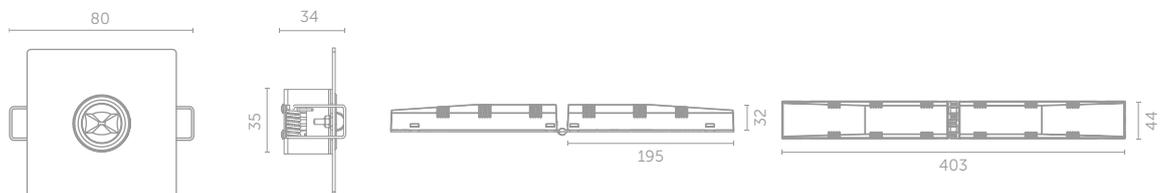
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central
battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge
protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery
package installed in a separate box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR		
						SE	SA	AT	X	WH	GR	BL		
STANDARD	MTSU MTRSR	1W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		2W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
		3W	E C	1	3	SE	SA	AT	X	WH	GR	BL		
PREMIUM	MTSU MTRSR	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTSU	MTRSR
STANDARD	1W	170	165
	2W	290	280
	3W	400	385
PREMIUM	1W	185	175
	2W	345	330
	3W	460	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
MTSU MTRSR	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTSU	MTRSR
1W	185	175	
2W	345	330	
3W	460	460	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
MTSU MTRSR	1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTSU	MTRSR
1W	185	175	
2W	345	330	
3W	460	460	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
		FZLV	FZLV2	WH	GR	BL
MTSU MTRSR	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL

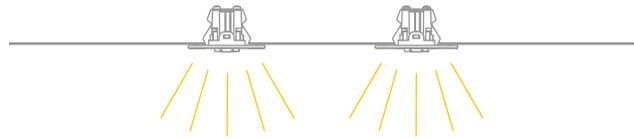
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]		
	POWER	MTSU	MTRSR
1W	185	175	
2W	345	330	
3W	460	460	

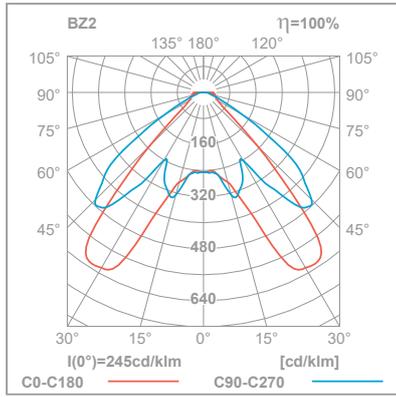
LEGEND:

MTSU	fixture MICRO SPOT square with optic for universal uses	AT	autotest
MTRSR	fixture MICRO SPOT square with optics for escape route	RU	Rubic UNA central monitoring
E, C	electronic gear for STANDARD self-contained fittings	FZLV	central battery FZLV 24 VDC
B	electronic gear for PREMIUM self-contained fittings	RD	DALI central monitoring
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
		WH	white color
		GR	grey color
		BL	black color

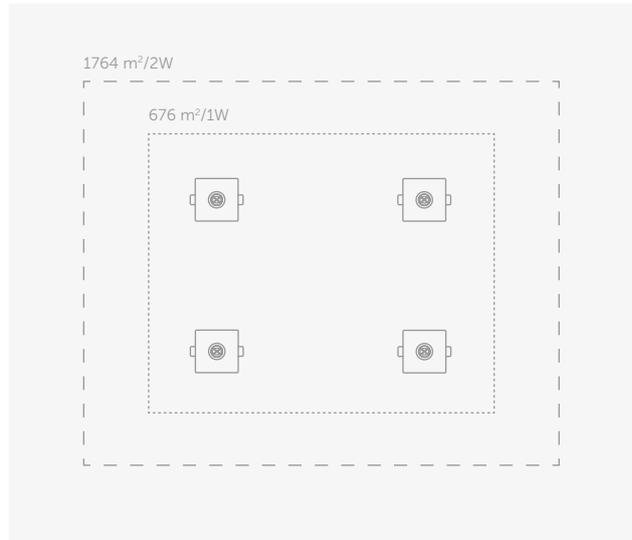
MICRO SPOT SQUARE EXAMPLE OF PHOTOMETRY



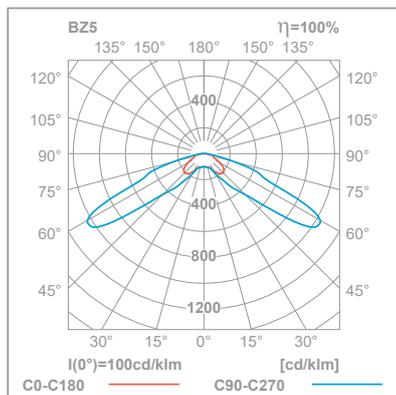
Optic U for universal uses



simulation for four luminaires and min 0,5 lx (area)



Optic R for escape route



simulation for two luminaires and min 1 lx (distance)





EYE LED family



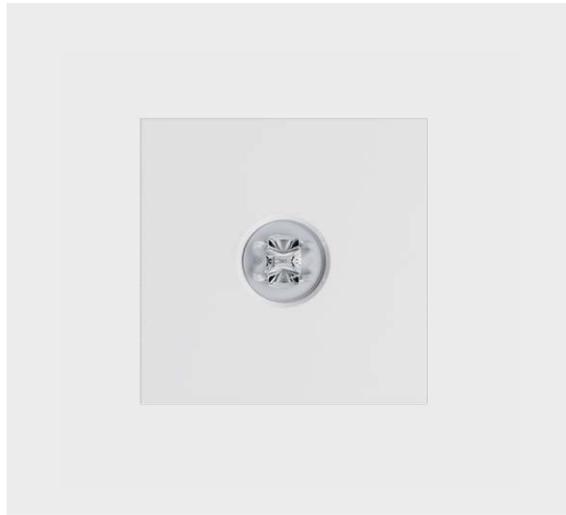


EYE LED



EYE LED ROUND

p. 98



EYE LED SQUARE

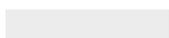
p. 102

Stainless steel body

EYE LED series is a high end line of emergency luminaires designed for flush mounting inside buildings. Stainless steel body with small round shape goes very well with other luminaires. The luminaire is made of high-quality components and the ability to select the power/light output along with an individually designed lens.

COLOURS

White



RAL 9003

Silver



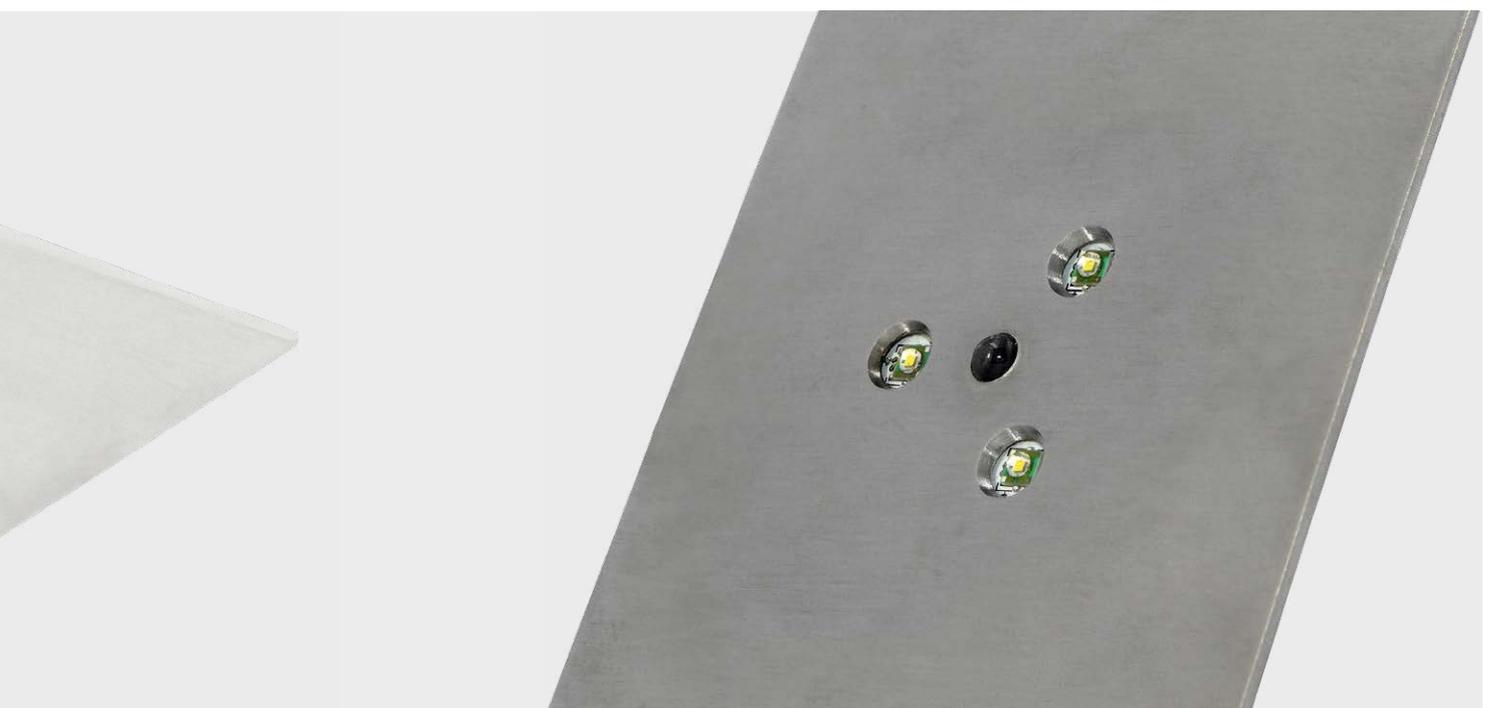
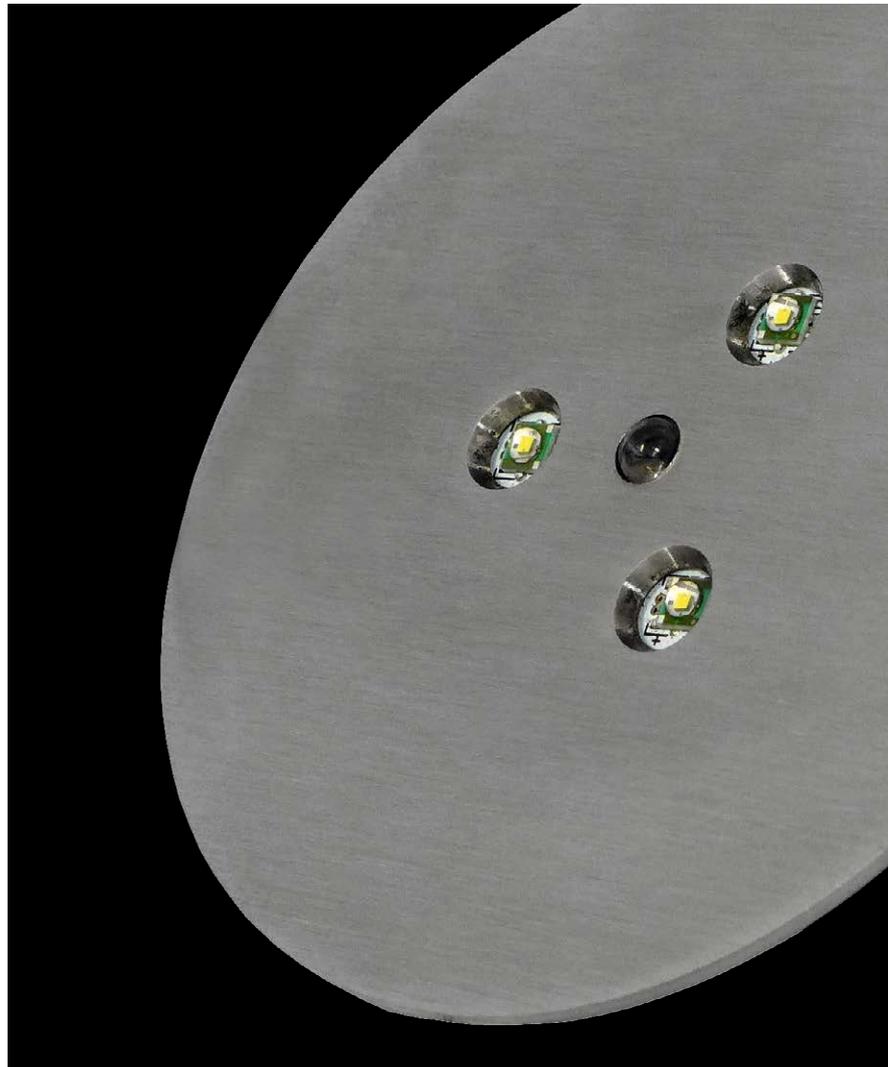
Stainless steel

CLOSE UP



High end Finish

All the special features makes the light a perfect match to meet the end user needs. With newly designed lenses light can be concentrated along corridors or spread through open spaces in hotel rooms, office buildings, shopping malls, communication routes and conference rooms.



EYE LED Round



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

Body made of stainless steel or steel painted white

MOUNTING

Recessed

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W, 3x1W LED
Optics: O – open area • U – universal • R – escape route • C - corridor
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

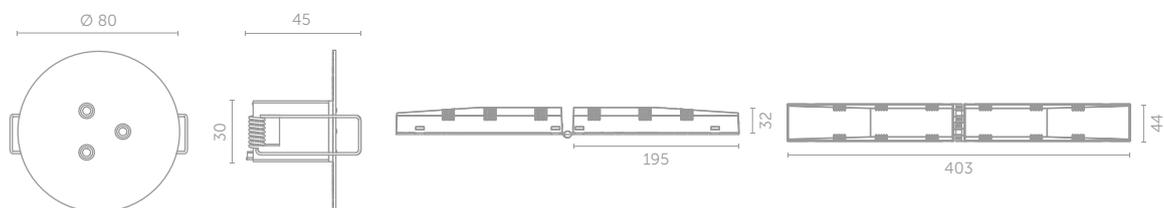
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		COLOR		
STANDARD	EYR	1W	E C	1	3	SE	SA	AT	X	ST	WH	
	EYU	2W	E C	1	3	SE	SA	AT	X	ST	WH	
	EYO	3W	E C	1	3	SE	SA	AT	X	ST	WH	
	EYC	3x1W	E C	1	3	SE	SA	AT	X	ST	WH	
PREMIUM	EYR	1W	B	1	3	SE	SA	AT	RU	RD	ST	WH
	EYU	2W	B	1	3	SE	SA	AT	RU	RD	ST	WH
	EYO	3W	B	1	3	SE	SA	AT	RU	RD	ST	WH
	EYC	3x1W	B	1	3	SE	SA	AT	RU	RD	ST	WH

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	EYR	EYU	EYO	EYC	EY
STANDARD	1W	165	180	170	175	–
	2W	290	290	290	290	–
	3W	380	410	380	385	–
	3x1W	–	–	–	–	390
PREMIUM	1W	185	190	180	185	–
	2W	340	350	340	340	–
	3W	460	460	460	460	–
	3x1W	–	–	–	–	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
EYR EYU EYO EYC	1W	F	CB	CBS	X	ST	WH
	2W	F	CB	CBS	X	ST	WH
	3W	F	CB	CBS	X	ST	WH
EY	3x1W	F	CB	CBS	X	ST	WH

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	EYR	EYU	EYO	EYC	EY
1W	185	190	180	185	–
2W	340	350	340	340	–
3W	460	460	460	460	–
3x1W	–	–	–	–	460

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
EYR EYU EYO EYC	1W	Z	CB	ADE	ADP	ST	WH
	2W	Z	CB	ADE	ADP	ST	WH
	3W	Z	CB	ADE	ADP	ST	WH
EY	3x1W	Z	CB	ADE	ADP	ST	WH

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	EYR	EYU	EYO	EYC	EY
1W	185	190	180	185	–
2W	340	350	340	340	–
3W	460	460	460	460	–
3x1W	–	–	–	–	460

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR	
EYR EYU EYO EYC	1W	FZLV	FZLV2	ST	WH
	2W	FZLV	FZLV2	ST	WH
	3W	FZLV	FZLV2	ST	WH
EY	3x1W	FZLV	FZLV2	ST	WH

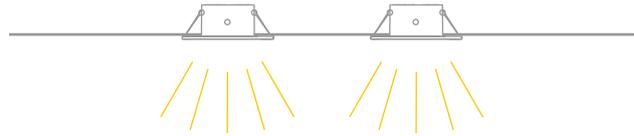
OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	EYR	EYU	EYO	EYC	EY
1W	185	190	180	185	–
2W	340	350	340	340	–
3W	460	460	460	460	–
3x1W	–	–	–	–	460

LEGEND:

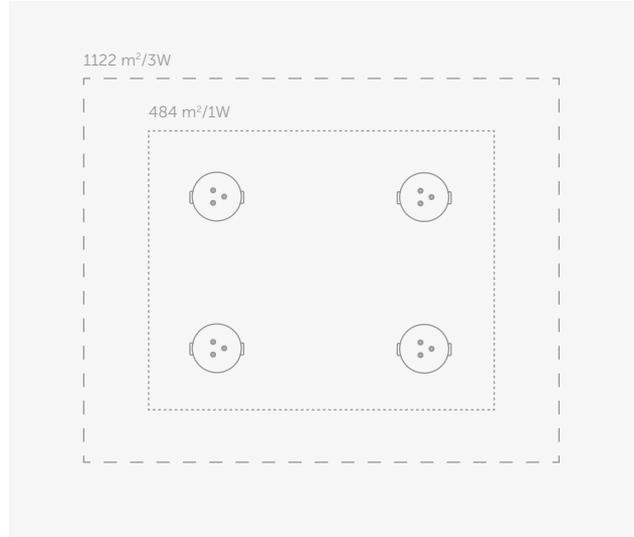
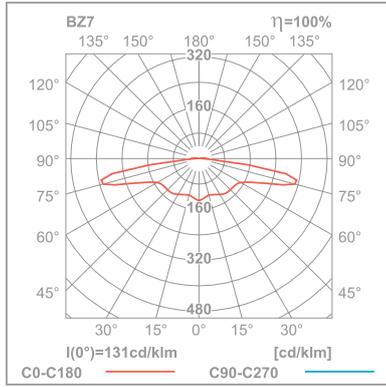
EYR	fixture EYE LED round with optics for escape route	B	electronic gear for PREMIUM self-contained fittings	RD	DALI central monitoring
EYU	fixture EYE LED round with universal optics	F	electronic gear for central battery fittings	FZLV	central battery FZLV 24 VDC
EYO	fixture EYE LED round with optics for open area	Z	electronic gear for addressable central battery fittings	FZLV2	central battery FZLV II 48 VDC
EYC	fixture EYE LED round with optics for corridor	SE	non maintained	CB	central battery version
EY	fixture EYE LED round without optics	SA	maintained	CBS	central battery for circuit monitoring
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADP	address module for CBS 1.0 – SMART technology
		AT	autotest	ADE	address module for CBS 2.0 – SMART technology
		RU	Rubic UNA central monitoring	ST	stainless steel
				WH	white color

EYE LED ROUND EXAMPLE OF PHOTOMETRY



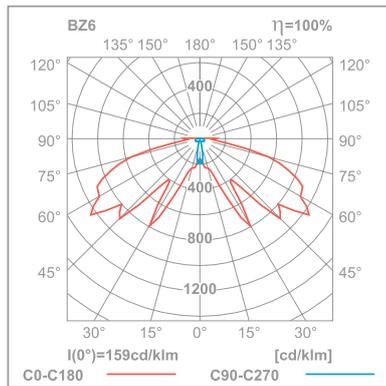
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor

simulation for two luminaires and min 1 lx (distance)





EYE LED Square



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED
IP20

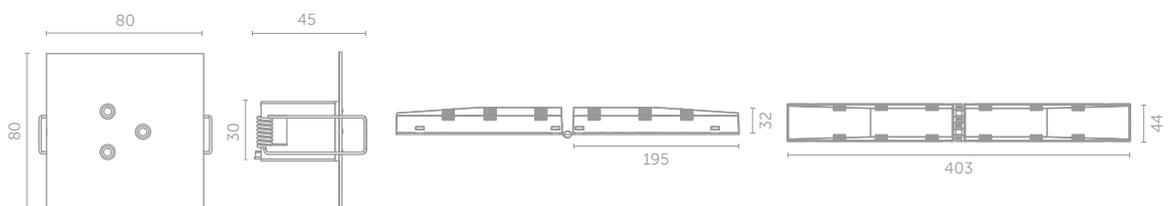
IK08



KM 618355
BS-EN 60598-2-22



MATERIALS	Body made of stainless steel or steel painted white
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 3x1W LED Optics: O – open area • U – universal • R – escape route • C - corridor Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP20, IK08
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version • Electronic gear and battery package installed in a separate box
DIMENSIONS [mm]	



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		COLOR		
				1	3	SE	SA	AT	X	ST	WH	
STANDARD	EYKR	1W	E C	1	3	SE	SA	AT	X	ST	WH	
	EYKU	2W	E C	1	3	SE	SA	AT	X	ST	WH	
	EYKO	3W	E C	1	3	SE	SA	AT	X	ST	WH	
	EYKC	3x1W	E C	1	3	SE	SA	AT	X	ST	WH	
PREMIUM	EYKR	1W	B	1	3	SE	SA	AT	RU	RD	ST	WH
	EYKU	2W	B	1	3	SE	SA	AT	RU	RD	ST	WH
	EYKO	3W	B	1	3	SE	SA	AT	RU	RD	ST	WH
	EYKC	3x1W	B	1	3	SE	SA	AT	RU	RD	ST	WH

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]				
		EYKR	EYKU	EYKO	EYKC	EYK
STANDARD	1W	165	180	170	175	–
	2W	290	290	290	290	–
	3W	380	410	380	385	–
	3x1W	–	–	–	–	390
PREMIUM	1W	185	190	180	185	–
	2W	340	350	340	340	–
	3W	460	460	460	460	–
	3x1W	–	–	–	–	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
				CBS	X	ST	WH
EYKR EYKU EYKO EYKC	1W	F	CB	CBS	X	ST	WH
	2W	F	CB	CBS	X	ST	WH
	3W	F	CB	CBS	X	ST	WH
EYK	3x1W	F	CB	CBS	X	ST	WH

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	EYKR	EYKU	EYKO	EYKC	EYK
1W	185	190	180	185	–
2W	340	350	340	340	–
3W	460	460	460	460	–
3x1W	–	–	–	–	460

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
				ADE	ADP	ST	WH
EYKR EYKU EYKO EYKC	1W	Z	CB	ADE <td>ADP</td> <td>ST</td> <td>WH</td>	ADP	ST	WH
	2W	Z	CB	ADE <td>ADP</td> <td>ST</td> <td>WH</td>	ADP	ST	WH
	3W	Z	CB	ADE <td>ADP</td> <td>ST</td> <td>WH</td>	ADP	ST	WH
EYK	3x1W	Z	CB	ADE <td>ADP</td> <td>ST</td> <td>WH</td>	ADP	ST	WH

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	EYKR	EYKU	EYKO	EYKC	EYK
1W	185	190	180	185	–
2W	340	350	340	340	–
3W	460	460	460	460	–
3x1W	–	–	–	–	460

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR	
		FZLV	FZLV2	ST	WH
EYKR EYKU EYKO EYKC	1W	FZLV	FZLV2	ST	WH
	2W	FZLV	FZLV2	ST	WH
	3W	FZLV	FZLV2	ST	WH
EYK	3x1W	FZLV	FZLV2	ST	WH

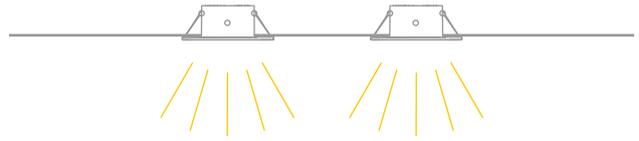
OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]				
	EYKR	EYKU	EYKO	EYKC	EYK
1W	185	190	180	185	–
2W	340	350	340	340	–
3W	460	460	460	460	–
3x1W	–	–	–	–	460

LEGEND:

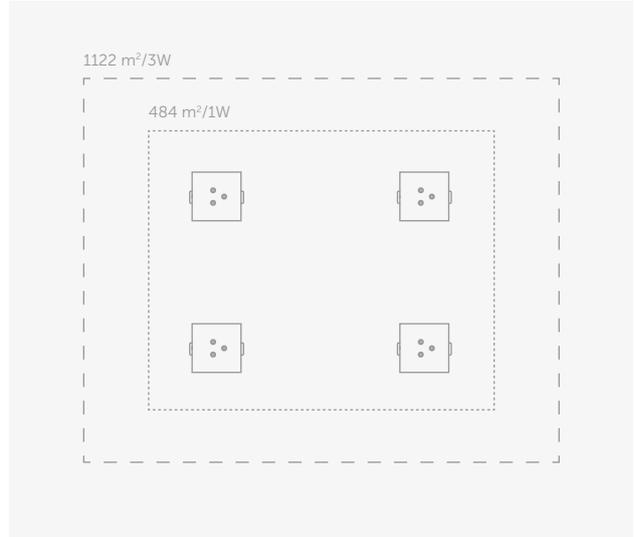
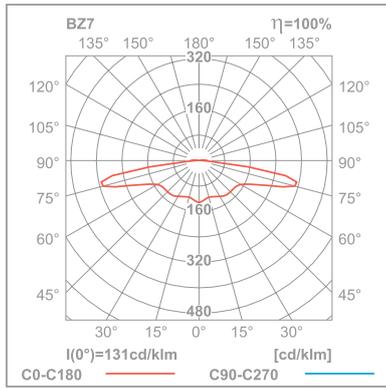
EYKR	fixture EYE LED square with optics for escape route	B	electronic gear for PREMIUM self-contained fittings	RD	DALI central monitoring
EYKU	fixture EYE LED square with universal optics	F	electronic gear for central battery fittings	FZLV	central battery FZLV 24 VDC
EYKO	fixture EYE LED square with optics for open area	Z	electronic gear for addressable central battery fittings	FZLV2	central battery FZLV II 48 VDC
EYKC	fixture EYE LED square with optics for corridor	SE	non maintained	CB	central battery version
EYK	fixture EYE LED square without optics	SA	maintained	CBS	central battery for circuit monitoring
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADP	address module for CBS 1.0 – SMART technology
		AT	autotest	ADE	address module for CBS 2.0 – SMART technology
		RU	Rubic UNA central monitoring	ST	stainless steel
				WH	white color

EYE LED SQUARE EXAMPLE OF PHOTOMETRY



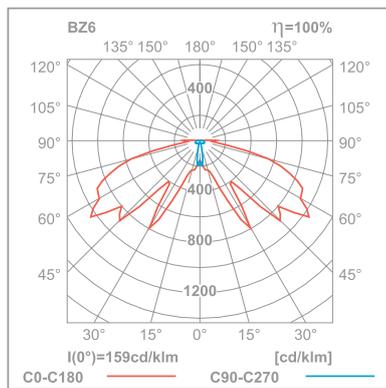
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor

simulation for two luminaires and min 1 lx (distance)



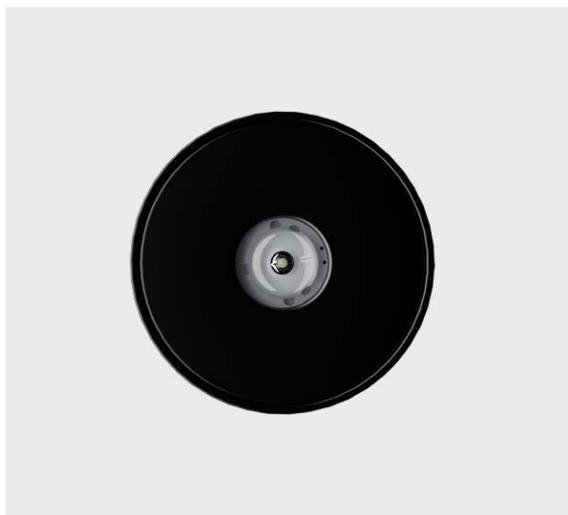


TEY family





TEY



TEY

p. 110

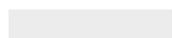
Extraordinary appearance

TEY series is a line of emergency luminaires designed for surface mounting inside buildings. Lightweight stainless steel body with contemporary design meet the demands of modern installations. The luminaire is made of high-quality components and the ability to select the power/light output along with an individually designed lens.

COLOURS

White

Black



RAL 9003

RAL 9005

CLOSE UP



Unique design

With newly designed lenses light can be concentrated along corridors or spread through open spaces. It is often installed in shopping mall, shops, office spaces, meeting rooms.



TEY



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



CE


Ni-Cd


LiFePO₄



MATERIALS

Steel body painted black or white

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W, 3x1W LED
Optics: O – open area • U – universal • R – escape route • C - corridor
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP20, IK08

AMBIENT TEMPERATURE

Self-contained: t₃: 0°C ÷ 40°C
Central battery: t₃: 0°C ÷ 50°C

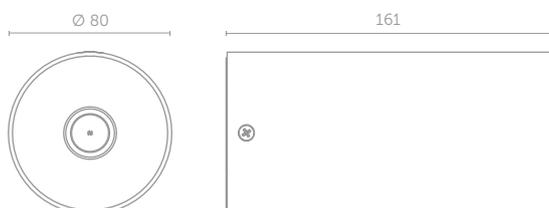
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV II version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
STANDARD	TEYR	1W	E C	1	3	SE	SA	PT	AT	X	WH	BL
	TEYU	2W	E C	1	3	SE	SA	PT	AT	X	WH	BL
	TEYO	3W	E C	1	3	SE	SA	PT	AT	X	WH	BL
	TEYC	3x1W	E C	1	3	SE	SA	PT	AT	X	WH	BL
PREMIUM	TEYR	1W	B	1	3	SE	SA	AT	RU	RD	WH	BL
	TEYU	2W	B	1	3	SE	SA	AT	RU	RD	WH	BL
	TEYO	3W	B	1	3	SE	SA	AT	RU	RD	WH	BL
	TEYC	3x1W	B	1	3	SE	SA	AT	RU	RD	WH	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	TEYR	TEYU	TEYO	TEYC	TEY
STANDARD	1W	165	180	170	175	–
	2W	290	290	290	290	–
	3W	380	410	380	385	–
	3x1W	–	–	–	–	390
PREMIUM	1W	185	190	180	185	–
	2W	340	350	340	340	–
	3W	460	460	460	460	–
	3x1W	–	–	–	–	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
TEYR TEYU TEYO TEYC	1W	F	CB	CBS	X	WH	BL	
	2W	F	CB	CBS	X	WH	BL	
	3W	F	CB	CBS	X	WH	BL	
TEY	3x1W	F	CB	CBS	X	WH	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	TEYR	TEYU	TEYO	TEYC	TEY
1W	185	190	180	185	–	–
2W	340	350	340	340	–	–
3W	460	460	460	460	–	–
3x1W	–	–	–	–	–	460

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
TEYR TEYU TEYO TEYC	1W	Z	CB	ADE	ADP	WH	BL	
	2W	Z	CB	ADE	ADP	WH	BL	
	3W	Z	CB	ADE	ADP	WH	BL	
TEY	3x1W	Z	CB	ADE	ADP	WH	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	TEYR	TEYU	TEYO	TEYC	TEY
1W	185	190	180	185	–	–
2W	340	350	340	340	–	–
3W	460	460	460	460	–	–
3x1W	–	–	–	–	–	460

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM		COLOR	
TEYR TEYU TEYO TEYC	1W	FZLV	FZLV2	WH	BL	
	2W	FZLV	FZLV2	WH	BL	
	3W	FZLV	FZLV2	WH	BL	
TEY	3x1W	FZLV	FZLV2	WH	BL	

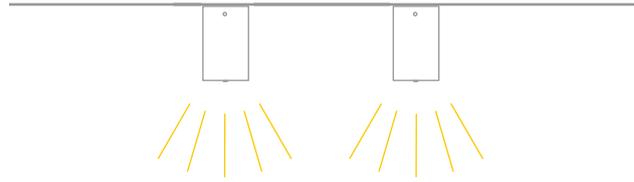
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]					
	POWER	TEYR	TEYU	TEYO	TEYC	TEY
1W	185	190	180	185	–	–
2W	340	350	340	340	–	–
3W	460	460	460	460	–	–
3x1W	–	–	–	–	–	460

LEGEND:

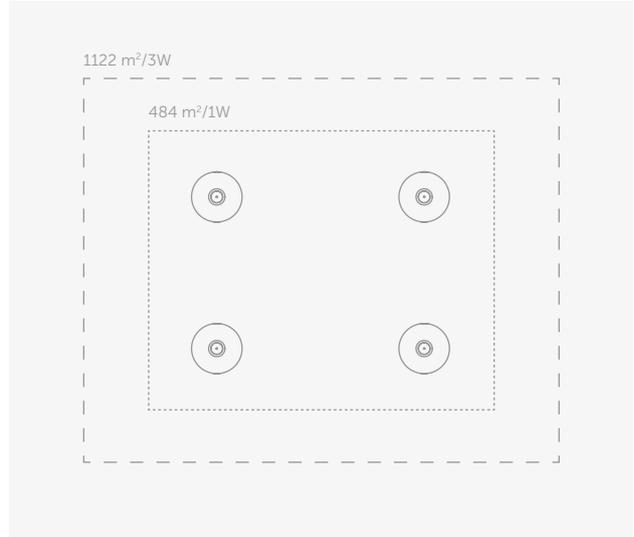
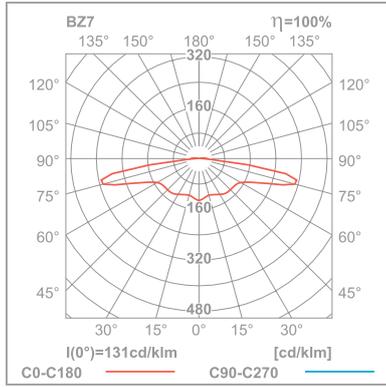
TEYR	fixture TEY with optics for escape route	F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
TEYU	fixture TEY with universal optics	Z	electronic gear for addressable central battery fittings	CB	central battery version
TEYO	fixture TEY with optics for open area	SE	non maintained	CBS	central battery for circuit monitoring
TEYC	fixture TEY with optics for corridor	SA	maintained	ADP	address module for CBS 1.0 – SMART technology
TEY	fixture TEY without optics	PT	manual test button	ADE	address module for CBS 2.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	WH	white color
B	electronic gear for PREMIUM self-contained fittings	AT	autotest	BL	black color
		RU	Rubic UNA central monitoring		
		RD	DALI central monitoring		
		FZLV	central battery FZLV 24 VDC		

TEY EXAMPLE OF PHOTOMETRY



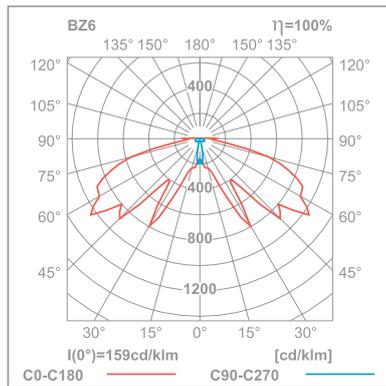
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



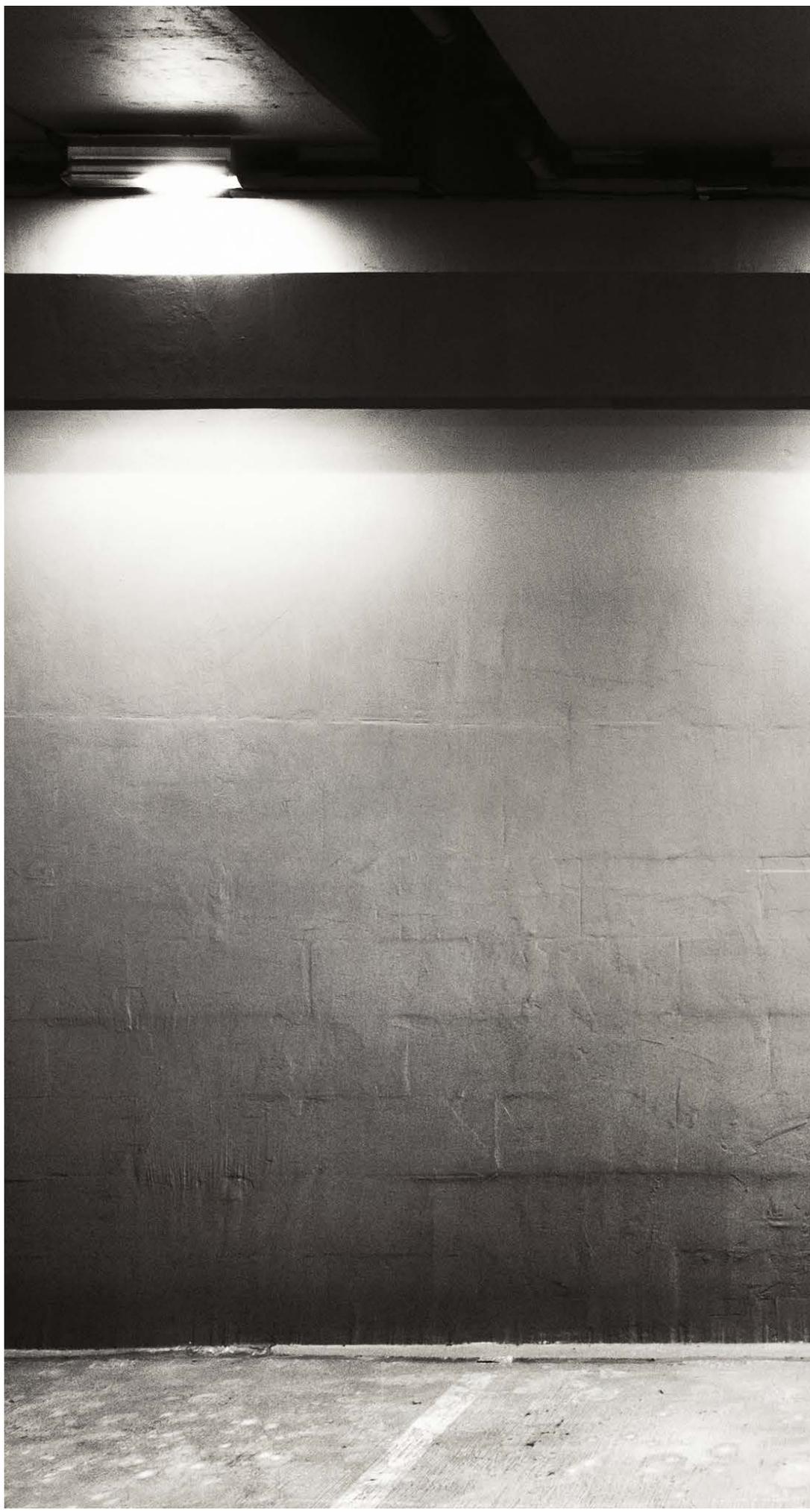
Optic C for corridor

simulation for two luminaires and min 1 lx (distance)



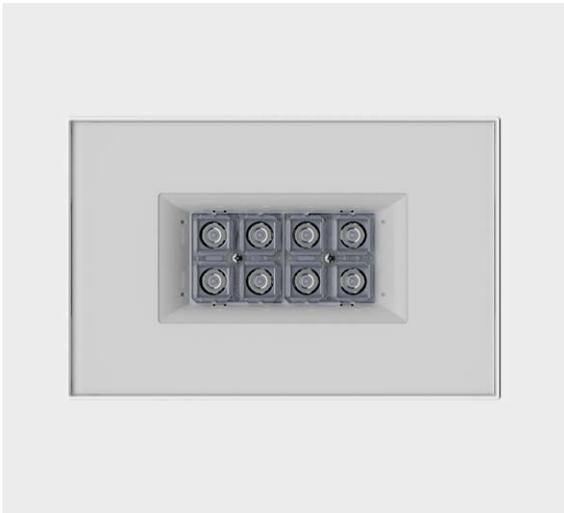


MX family





MX



MX

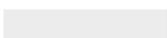
p. 118

Quality and Versatility

MX range of emergency light fittings are designed for both: surface and recessed installation. Aluminum body is available in three color variants with ultra modern design.

COLOURS

White



RAL 9003

Grey



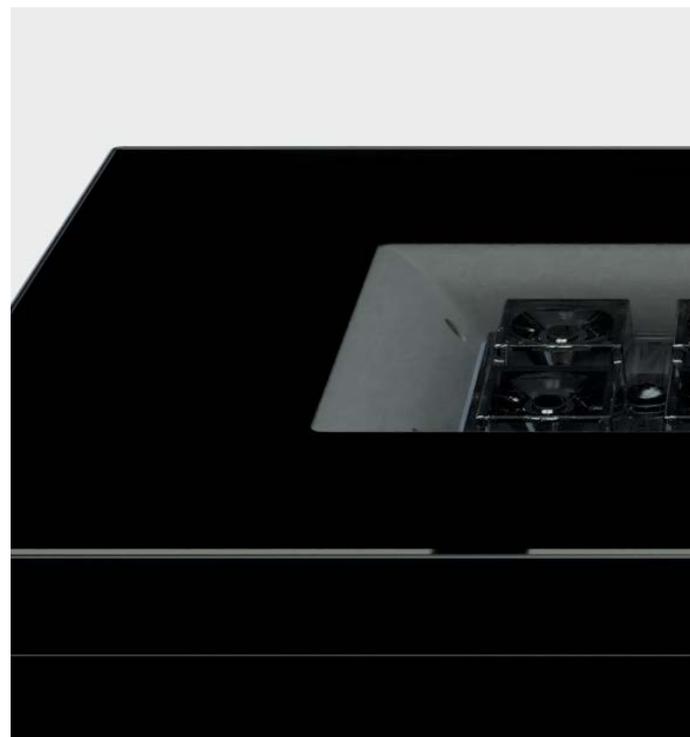
RAL 7045

Black



RAL 9005

IP CERTIFIED



Durability and efficiency

MX range is waterproof and has high impact resistance and can be installed in the most tough conditions. Main application of the MX fixture is double-height areas, due to high power, high efficiency and innovative optics for escape routes and open spaces.



MX



AC
220-240V
50-60Hz

DC
176-275V

DC
48V

LED

IP42

IP65

IK08



CE



KM 618355
BS-EN 60598-2-22

MATERIALS

Aluminium body painted white, grey or black
Glass cover

MOUNTING

Surface
Optionally recessed ⁽¹⁾

POWER SUPPLY

Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II - 48VDC

LIGHT SOURCE

2x6W, 12W, 15W LED
Optics: C – corridor • O – open area
Colour temperature: 6000K
Lifetime: 50000h

INSULATION CLASS

I or III

IP & IK RATING

IP42 or IP65, IK08

AMBIENT TEMPERATURE

t_a : 0°C ÷ 50°C

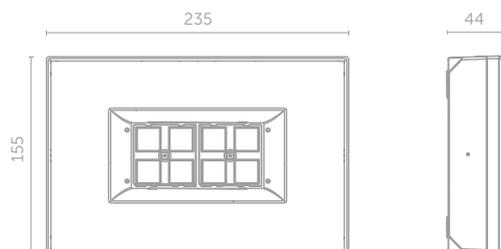
OPTIONS

central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

III class of insulation of FZLV and FZLV II version • ⁽¹⁾ see accessory for recessed mounting

DIMENSIONS [mm]



CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS			COLOR		
				CBS	X		WH	GR	BL
MXO MXC MX	12W	Z	CB	CBS	X		WH	GR	BL
	15W	Z	CB	CBS	X		WH	GR	BL
MXEO MXEC MXE	12W	Z	CB	CBS	X		WH	GR	BL
	15W	Z	CB	CBS	X		WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT		
	MXO	MXC	MX
12W	1375	1360	1360
15W	2279	2249	2259
12W	1375	1360	1360
15W	2279	2249	2259

CENTRAL BATTERY CONFIGURATION - ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADN	ADS	WH	GR	BL
MXO MXC MX	12W	Z	CB	ADN	ADS	WH	GR	BL
	15W	Z	CB	ADN	ADS	WH	GR	BL
MXEO MXEC MXE	12W	Z	CB	ADN	ADS	WH	GR	BL
	15W	Z	CB	ADN	ADS	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT		
	MXO	MXC	MX
12W	1375	1360	1360
15W	2279	2249	2259
12W	1375	1360	1360
15W	2279	2249	2259

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR		
			WH	GR	BL
MXO MXC MX	2x6W	FZLV2	WH	GR	BL
MXEO MXEC MXE	2x6W	FZLV2	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT		
	MXO	MXC	MX
2x6W	1375	1360	1360
2x6W	1375	1360	1360

LEGEND:

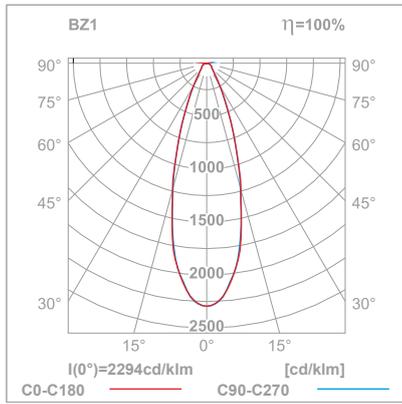
- MX luminaire MX IP65 without optics
- MXO luminaire MX IP65 with optic for open area
- MXC luminaire MX IP65 with optic for corridor
- MXE luminaire MX IP42 without optics
- MXEO luminaire MX IP42 with optic for open area
- MXEC luminaire MX IP42 with optic for corridor
- Z fitting without additional options
- CB central battery version
- CBS central battery for circuit monitoring
- ADS address module for CBS 1.0 – SMART technology

- ADN address module for CBS 2.0 – SMART technology
- FZLV2 central battery FZLV II 48 VDC
- WH white color
- GR grey color
- BL black color

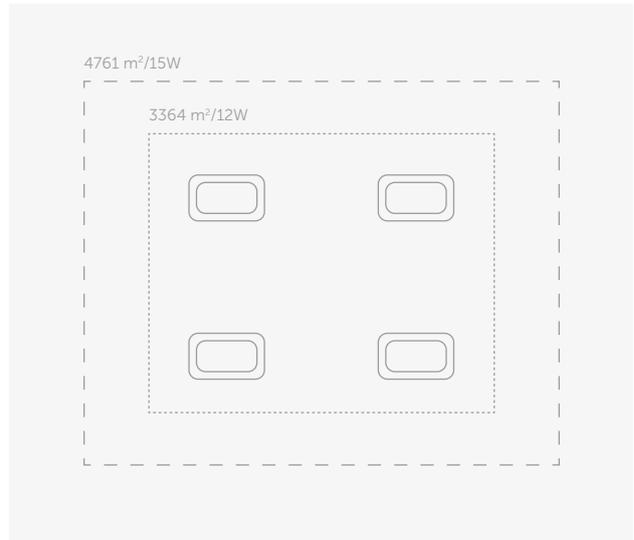
MX EXAMPLE OF PHOTOMETRY



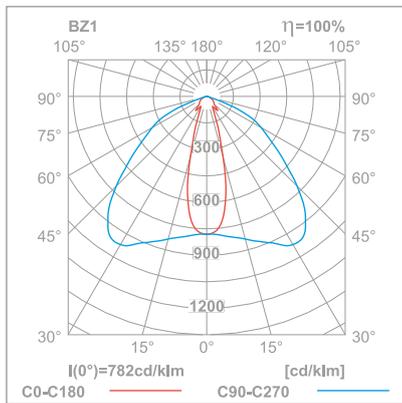
Optic O for open area



simulation for four luminaires and min 0,5 lx (area)



Optic C for corridor



simulation for two luminaires and min 1 lx (distance)





MX accessories



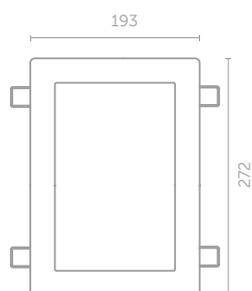
ACCESSORY FOR RECESSED MOUNTING

CODE: MX/REC/WH

MX/REC/GR

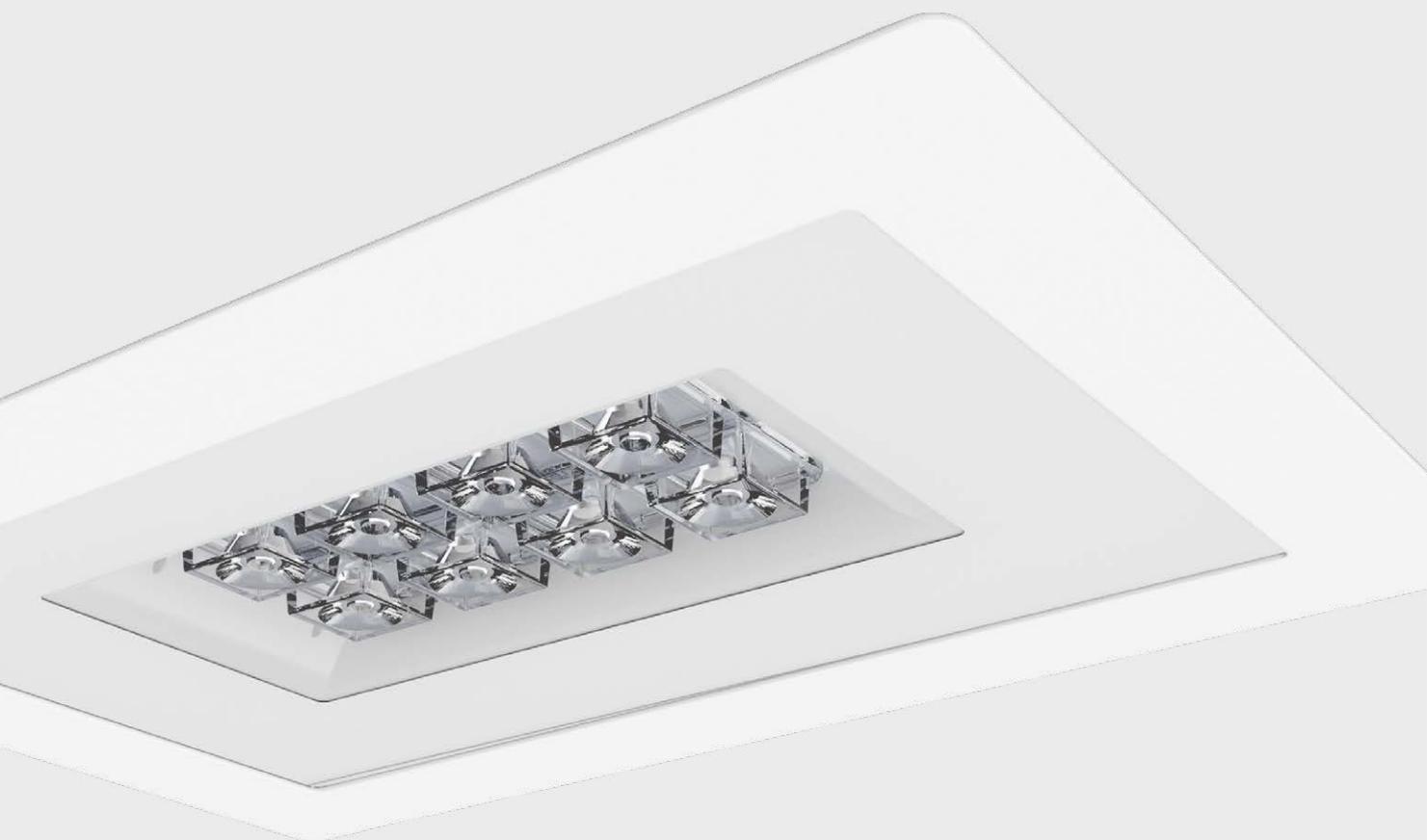
MX/REC/BL

DIMENSIONS [mm]



FITS TO MX





OUTDOOR LED family





OUTDOOR LED



OUTDOOR LED

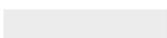
p. 128

Sleek design for the toughest conditions

OUTDOOR LED series is an emergency escape luminaire designed for surface wall mounting, mainly outdoors because of high ingress protection IP 66 and enhanced resistance parameters. Due to its optional colour versions, the luminaire can be successfully incorporated into building façades, thus becoming their integral part.

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

CLOSE UP

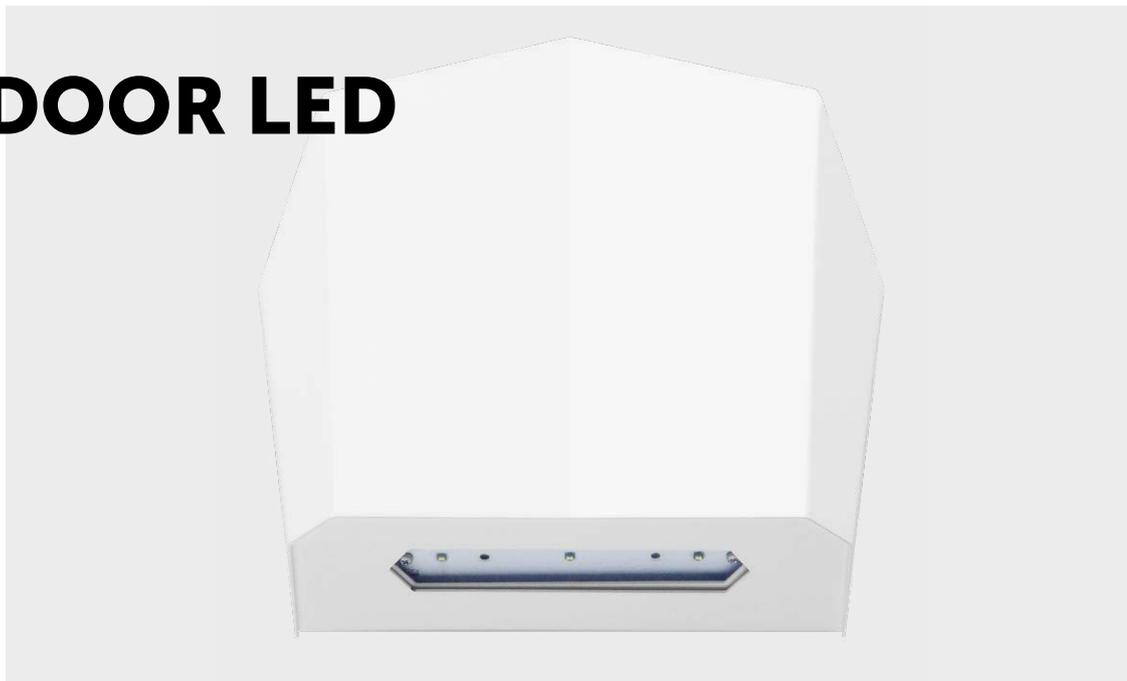


Unique appearance

The luminaire is made of high-quality components (e.g. highly efficient PowerLed light sources) so that it is characterised by above-average parameters in terms of luminous fluxes. It can provide extra illumination for special places such as hydrants or first aid points. In addition, with the use of heater HTR-25 system made by AWEX, the OUTDOOR LED luminaire is suitable for difficult environmental conditions (low temperatures). It is particularly recommended to be used in the vicinity of any final exit, so fire brigades can enter the building through lighted doors.



OUTDOOR LED



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP66

IK10



MATERIALS

Stainless steel painted white, grey or black

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

3x1W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP66, IK10

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

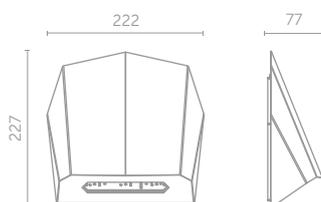
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV II version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR		
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ODB	3x1W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ODB	3x1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ODB
STANDARD	3x1W	390
PREMIUM	3x1W	460

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ODB	3x1W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	ODB
3x1W	460

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ODB	3x1W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	ODB
3x1W	460

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
ODB	3x1W	FZLV	FZLV2	WH	GR	BL

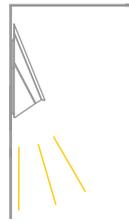
OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	ODB
3x1W	460

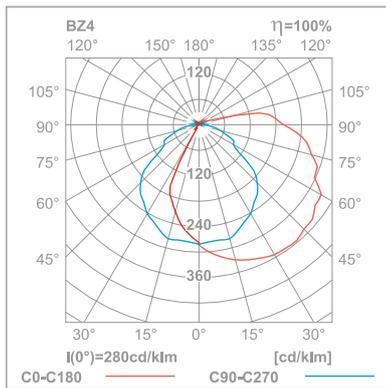
LEGEND:

ODB	Outdoor LED	RU	Rubic UNA central monitoring
C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
PT	manual test button	ADE	address module for CBS 2.0 – SMART technology
X	fitting without additional options	WH	white color
AT	autotest	BL	black color
		GR	grey color

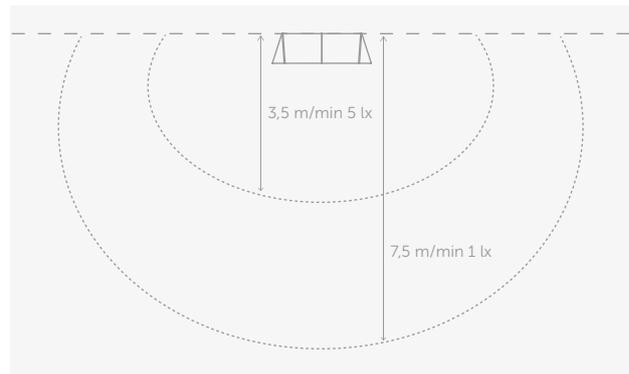
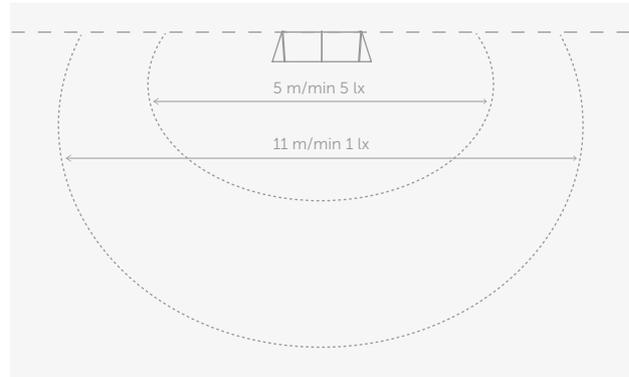
OUTDOOR LED EXAMPLE OF PHOTOMETRY



Optic for escape route



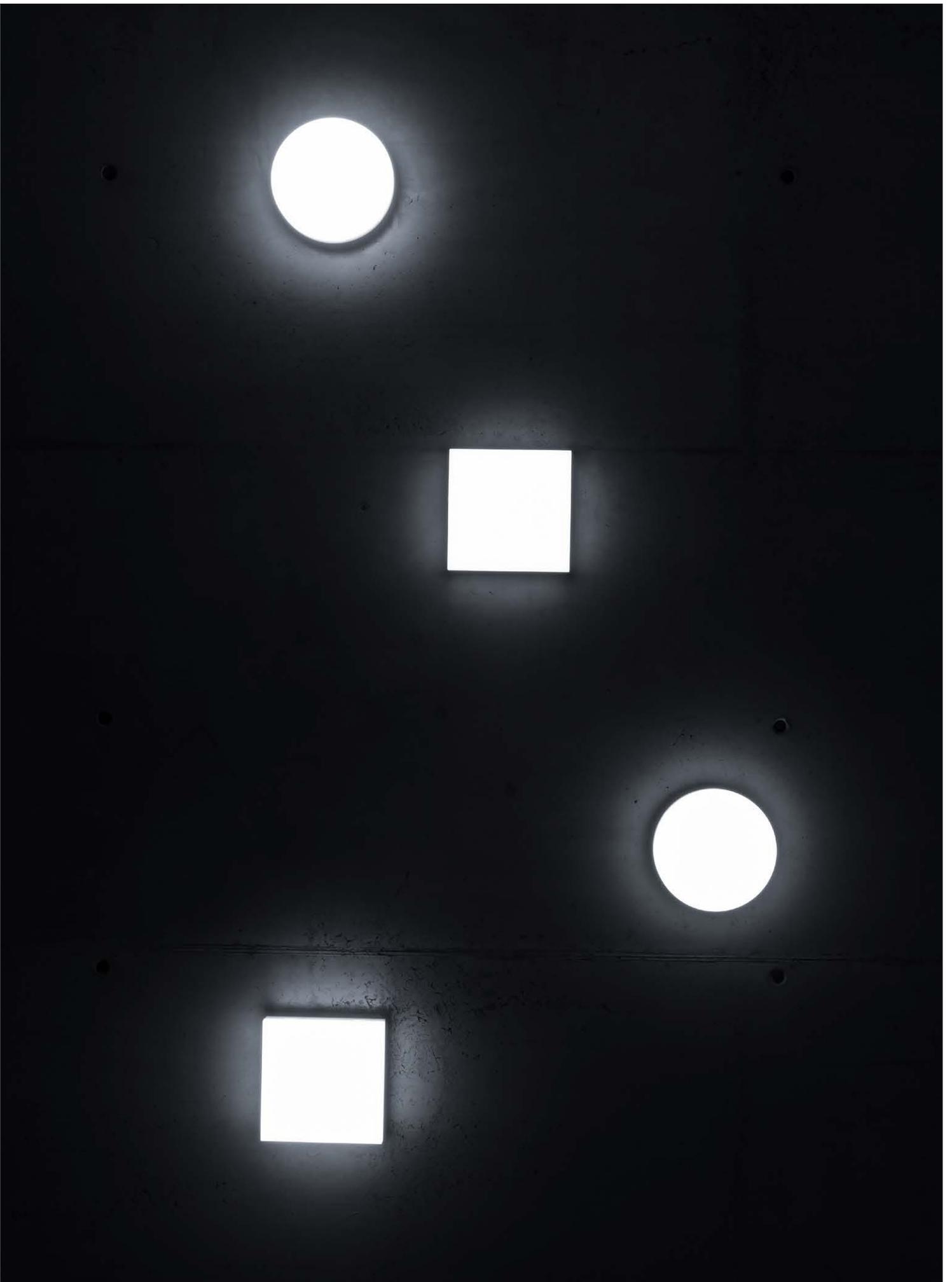
simulation for one luminaire and min 1 lx and 5 lx (area)



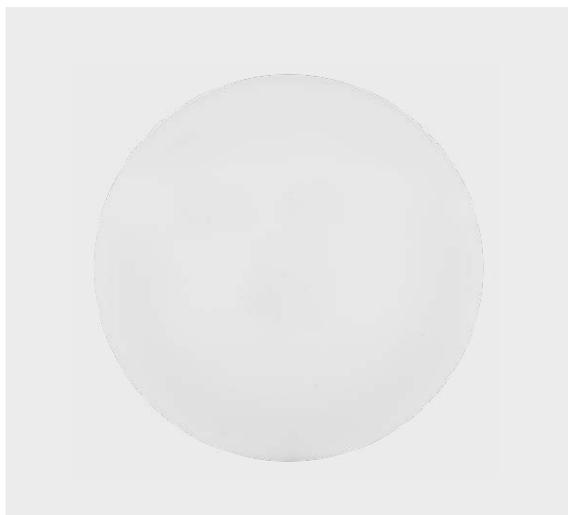


EDGE family





EDGE



EDGE R

p. 136



EDGE S

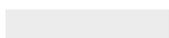
p. 140

Compact design

EDGE series is a new concept of main lighting luminaires in symbiosis with emergency lighting. It is designed for surface mounting to walls or ceilings inside buildings. The luminaire is made from high-quality components with different power/light source for both main and emergency lighting. Incorporated movement sensor makes it perfectly suitable for staircases, when power supply is from integrated battery, or centralised systems.

COLOURS

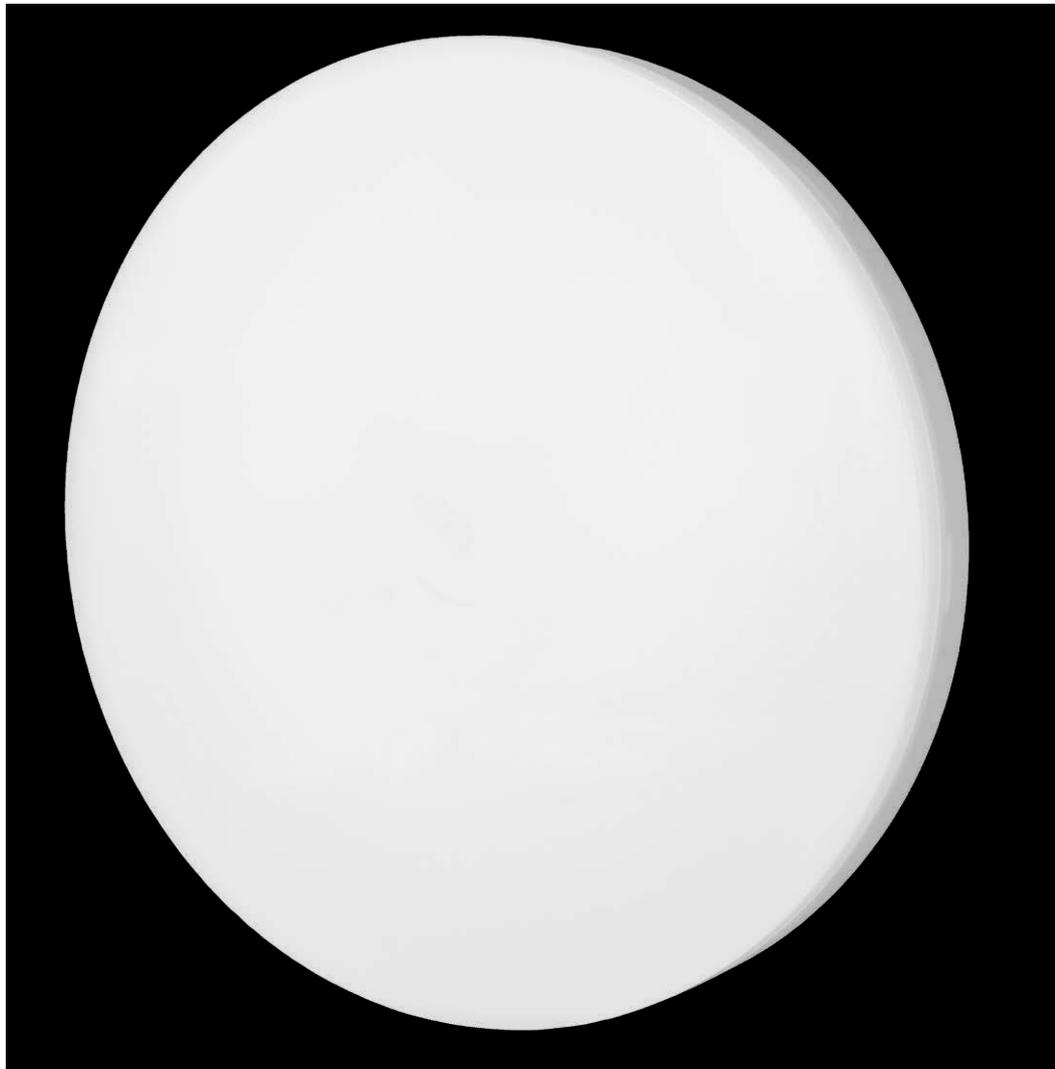
White



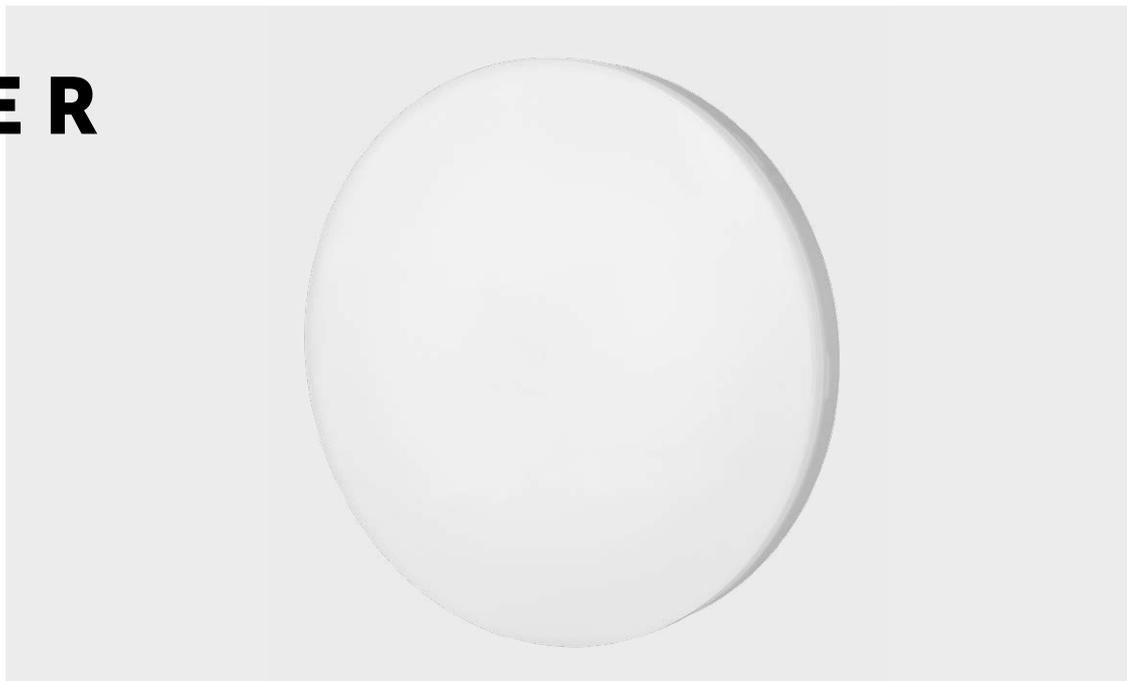
RAL 9003

CLOSE UP





EDGE R



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP54

IK10



MATERIALS

White polycarbonate body • Opal polycarbonate cover

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE - MAINS MODE

Power: 12W, 18W, 24W LED
Colour temperature: 3000K, 4000K, 6000K
Lifetime: 50000h

LIGHT SOURCE - EMERGENCY MODE

Power: 1W, 3W LED
Colour temperature: 6500K

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II

IP & IK RATING

IP54, IK10

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: 0°C ÷ 50°C

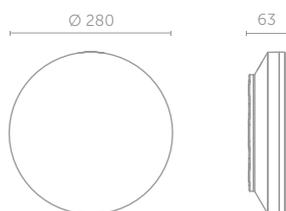
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional fixtures with MCR motion sensor • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25

DIMENSIONS [mm]



MAINS MODE CONFIGURATION

CODE	DETECTION		COLOR TEMPERATURE (K)	
	WH	WS	3000	4000
EDRE12 EDRE18 EDRE24	WH	WS	3000	4000
	WH	WS	3000	4000
	WH	WS	3000	4000

SELF-CONTAINED CONFIGURATION

	CODE	POWER*	MODULE	AUTONOMY [h]		MODE		OPTIONS			DETECTION		COLOR TEMPERATURE (K)		
				1	3	SE	SA	PT	AT	X	WH	WS	3000	4000	
STANDARD	EDRE12 EDRE18 EDRE24	1W	E C	1	3	SE	SA	PT	AT	X	WH	WS	3000	4000	
PREMIUM	EDRE12 EDRE18 EDRE24	3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	WS	3000	4000

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER*	MODULE	SYSTEM	OPTIONS		DETECTION		COLOR TEMPERATURE (K)	
				CBS	X	WH	WS	3000	4000
EDRE12 EDRE18 EDRE24	1W	F	CB	CBS	X	WH	WS	3000	4000
	3W	F	CB	CBS	X	WH	WS	3000	4000
	12W	X	CB	CBS	X	WH	WS	3000	4000
EDRE12 EDRE18 EDRE24	18W	X	CB	CBS	X	WH	WS	3000	4000
	24W	X	CB	CBS	X	WH	WS	3000	4000

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER*	MODULE	SYSTEM	OPTIONS		DETECTION		COLOR TEMPERATURE (K)	
				ADP	ADE	WH	WS	3000	4000
EDRE12 EDRE18 EDRE24	1W	Z	CB	ADP	ADE	WH	WS	3000	4000
	3W	Z	CB	ADP	ADE	WH	WS	3000	4000
	12W	X	CB	ADS	ADN	WH	WS	3000	4000
EDRE12 EDRE18 EDRE24	18W	X	CB	ADS	ADN	WH	WS	3000	4000
	24W	X	CB	ADS	ADN	WH	WS	3000	4000

FZLV SYSTEM CONFIGURATION

CODE	POWER*	SYSTEM		DETECTION		COLOR TEMPERATURE (K)	
		FZLV	FZLV2	WH	WS	3000	4000
EDRE12 EDRE18 EDRE24	1W	FZLV	FZLV2	WH	WS	3000	4000
	3W	FZLV	FZLV2	WH	WS	3000	4000

* – power in emergency mode

LEGEND:

EDRE12	fitting EDGE R 12W in maintained mode	SE	LED emergency section - non maintained	CB	central battery version
EDRE18	fitting EDGE R 18W in maintained mode	SA	LED emergency section - maintained (night mode)	CBS	central battery for circuit monitoring
EDRE24	fitting EDGE R 24W in maintained mode	PT	manual test button	ADP	address module for CBS 1.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	AT	autotest	ADN	address module for CBS 2.0 – SMART technology
F	electronic gear for central battery fittings	RU	Rubic UNA central monitoring	ADS	address module for CBS 1.0 – SMART technology
Z	electronic gear for addressable central battery fittings	RW	Rubic UNA Wireless central monitoring	WH	fitting without motion sensor MCR
		RD	DALI central monitoring	WS	fitting with motion sensor MCR
		FZLV	central battery FZLV 24 VDC		
		FZLV2	central battery FZLV II 48 VDC		

OUTPUT IN MAINS MODE [lm]

CODE	OUTPUT [lm]	
	3000K	4000K
EDRE12 EDRE18 EDRE24	1550	1650
	2440	2600
	2860	3040

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER*	
STANDARD	1W	135
PREMIUM	3W	380

OUTPUT IN EMERGENCY MODE [lm]

POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	145
3W	X	X	380
12W	1550	1650	X
18W	2440	2600	X
24W	2860	3040	X

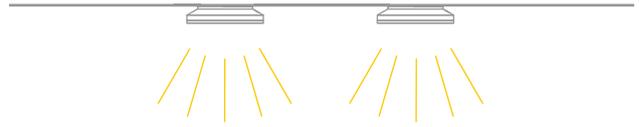
OUTPUT IN EMERGENCY MODE [lm]

POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	145
3W	X	X	380
12W	1550	1650	X
18W	2440	2600	X
24W	2860	3040	X

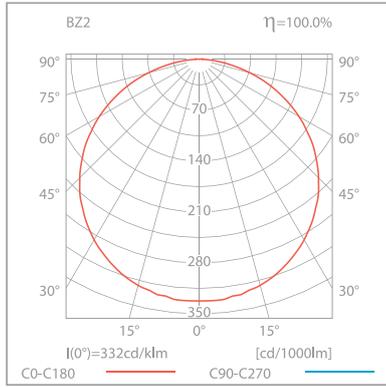
OUTPUT IN EMERGENCY MODE [lm]

POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	145
3W	X	X	380

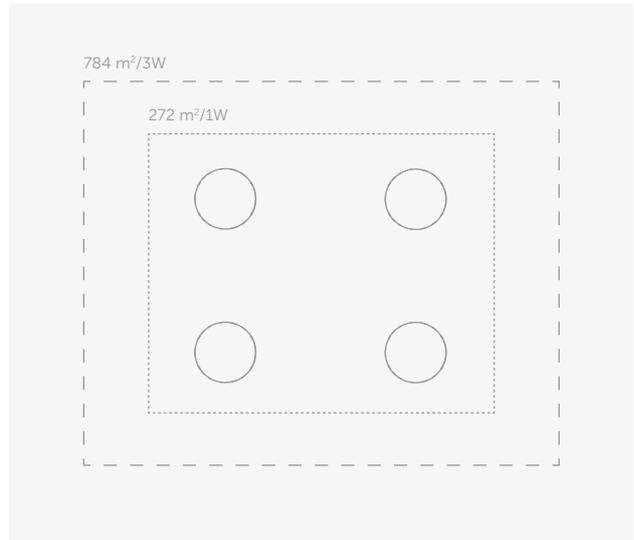
EDGE R EXAMPLE OF PHOTOMETRY

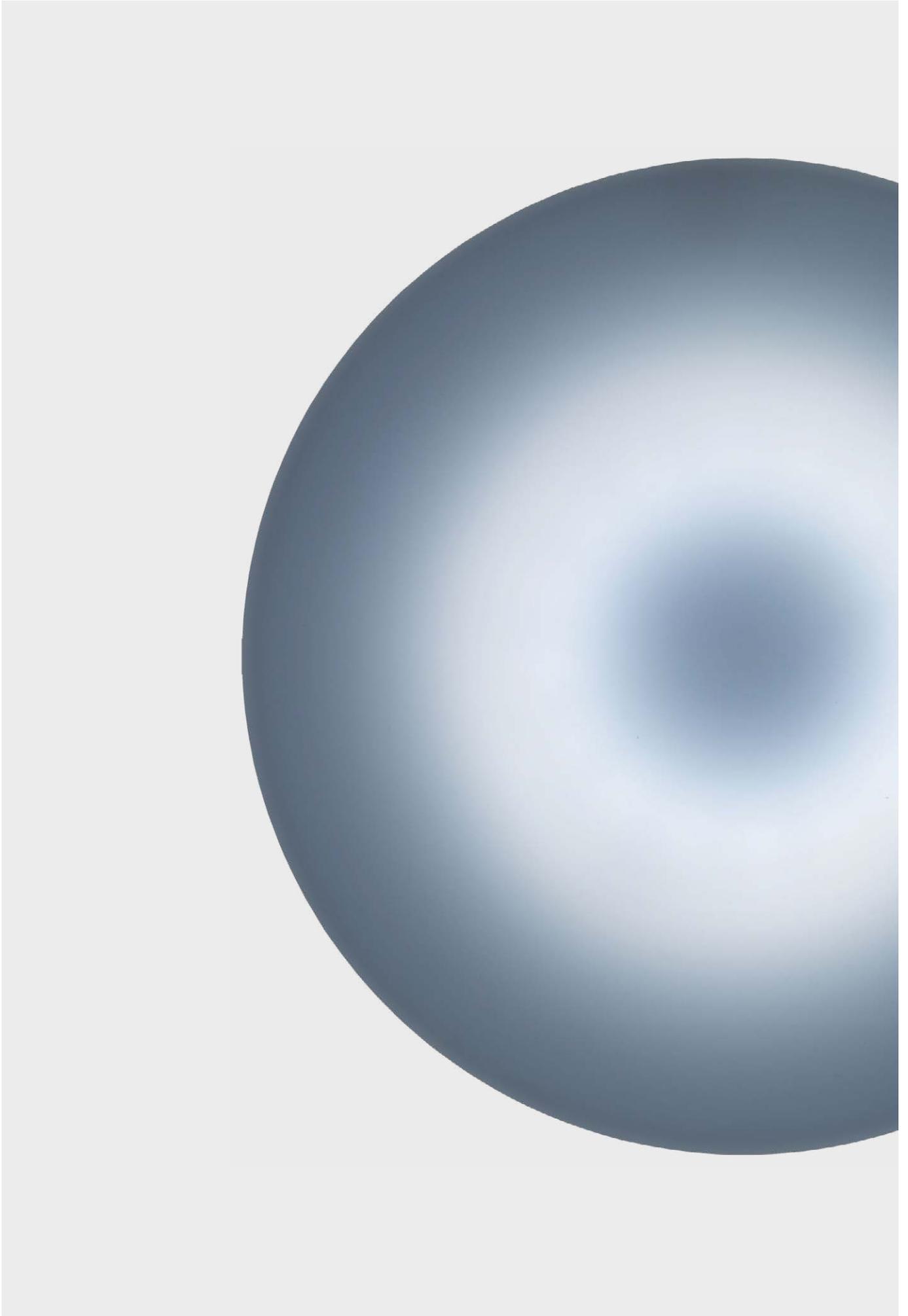


Optic O for open area



simulation for four luminaires and min 0,5 lx (area)





EDGE S



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP54

IK08



MATERIALS

White polycarbonate body • Opal polycarbonate cover

MOUNTING

Surface • Optionally recessed⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE - MAINS MODE

Power: 12W, 18W, 24W LED
Colour temperature: 3000K, 4000K, 6000K
Lifetime: 50000h

LIGHT SOURCE - EMERGENCY MODE

Power: 1W, 3W LED
Colour temperature: 6500K

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II

IP & IK RATING

IP54, IK08

AMBIENT TEMPERATURE

Self-contained: t_a : 0°C ÷ 40°C • t_a : -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a : 0°C ÷ 50°C

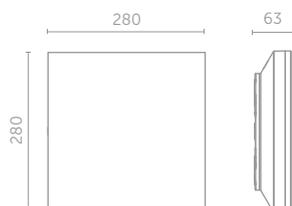
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signals mains power supply and battery charge • Deep discharge protection
• Optional fixtures with MCR motion sensor • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • ⁽¹⁾ see accessory for recessed mounting, RW option not available

DIMENSIONS [mm]



MAINS MODE CONFIGURATION

CODE	DETECTION		COLOR TEMPERATURE (K)	
	WH	WS	3000	4000
EDSE12	WH	WS	3000	4000
EDSE18	WH	WS	3000	4000
EDSE24	WH	WS	3000	4000

SELF-CONTAINED CONFIGURATION

	CODE	POWER*	MODULE	AUTONOMY [h]		MODE			OPTIONS			DETECTION		COLOR TEMPERATURE (K)	
				1	3	SE	SA	PT	AT	X	WH	WS	3000	4000	
STANDARD	EDSE12 EDSE18 EDSE24	1W	E C	1	3	SE	SA	PT	AT	X	WH	WS	3000	4000	
PREMIUM	EDSE12 EDSE18 EDSE24	3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	WS	3000	4000

OUTPUT IN MAINS MODE [lm]

CODE	OUTPUT [lm]	
	3000K	4000K
EDSE12	1500	1600
EDSE18	2360	2480
EDSE24	2780	2950

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER*	
STANDARD	1W	135
PREMIUM	3W	380

CENTRAL BATTERY CONFIGURATION – NON-ADDRESSABLE

CODE	POWER*	MODULE	SYSTEM	OPTIONS		DETECTION		COLOR TEMPERATURE (K)	
				CBS	X	WH	WS	3000	4000
EDSE12	1W	F	CB	CBS	X	WH	WS	3000	4000
EDSE18	3W	F	CB	CBS	X	WH	WS	3000	4000
EDSE24	12W	X	CB	CBS	X	WH	WS	3000	4000
EDSE12	18W	X	CB	CBS	X	WH	WS	3000	4000
EDSE18	24W	X	CB	CBS	X	WH	WS	3000	4000
EDSE24									

OUTPUT IN EMERGENCY MODE [lm]

POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	145
3W	X	X	380
12W	1500	1600	X
18W	2360	2480	X
24W	2780	2950	X

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER*	MODULE	SYSTEM	OPTIONS		DETECTION		COLOR TEMPERATURE (K)	
				ADP	ADE	WH	WS	3000	4000
EDSE12	1W	Z	CB	ADP	ADE	WH	WS	3000	4000
EDSE18	3W	Z	CB	ADP	ADE	WH	WS	3000	4000
EDSE24	12W	X	CB	ADS	ADN	WH	WS	3000	4000
EDSE12	18W	X	CB	ADS	ADN	WH	WS	3000	4000
EDSE18	24W	X	CB	ADS	ADN	WH	WS	3000	4000
EDSE24									

OUTPUT IN EMERGENCY MODE [lm]

POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	145
3W	X	X	380
12W	1500	1600	X
18W	2360	2480	X
24W	2780	2950	X

FZLV SYSTEM CONFIGURATION

CODE	POWER*	SYSTEM		DETECTION		COLOR	
		FZLV	FZLV2	WH	WS	3000	4000
EDSE12	1W	FZLV	FZLV2	WH	WS	3000	4000
EDSE18	3W	FZLV	FZLV2	WH	WS	3000	4000
EDSE24							

OUTPUT IN EMERGENCY MODE [lm]

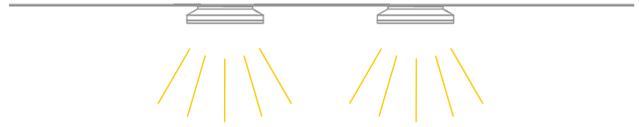
POWER*	OUTPUT [lm]		
	3000K	4000K	6500K
1W	X	X	145
3W	X	X	380

* – power in emergency mode

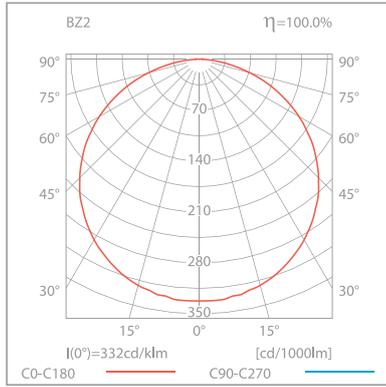
LEGEND:

EDSE12	fitting EDGE S 12W in maintained mode	SE	LED emergency section - non maintained	CB	central battery version
EDSE18	fitting EDGE S 18W in maintained mode	SA	LED emergency section - maintained (night mode)	CBS	central battery for circuit monitoring
EDSE24	fitting EDGE S 24W in maintained mode	PT	manual test button	ADP	address module for CBS 1.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	X	fitting without additional options	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	AT	autotest	ADN	address module for CBS 2.0 – SMART technology
F	electronic gear for central battery fittings	RU	Rubic UNA central monitoring	ADS	address module for CBS 1.0 – SMART technology
Z	electronic gear for addressable central battery fittings	RW	Rubic UNA Wireless central monitoring	WH	fitting without motion sensor MCR
		RD	DALI central monitoring	WS	fitting with motion sensor MCR
		FZLV	central battery FZLV 24 VDC		
		FZLV2	central battery FZLV II 48 VDC		

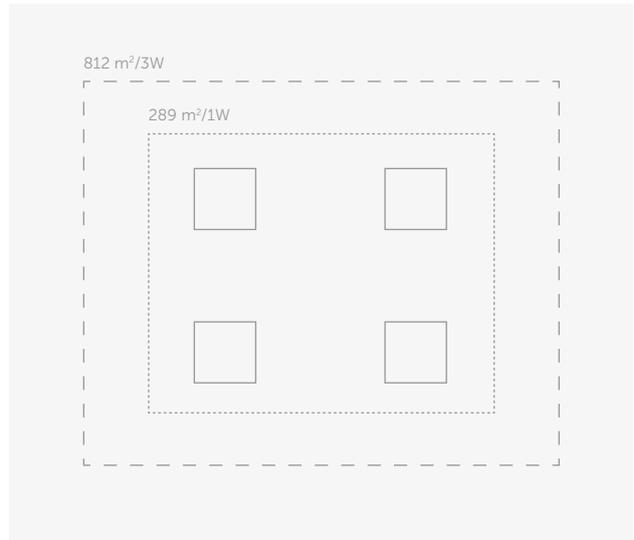
EDGE S EXAMPLE OF PHOTOMETRY

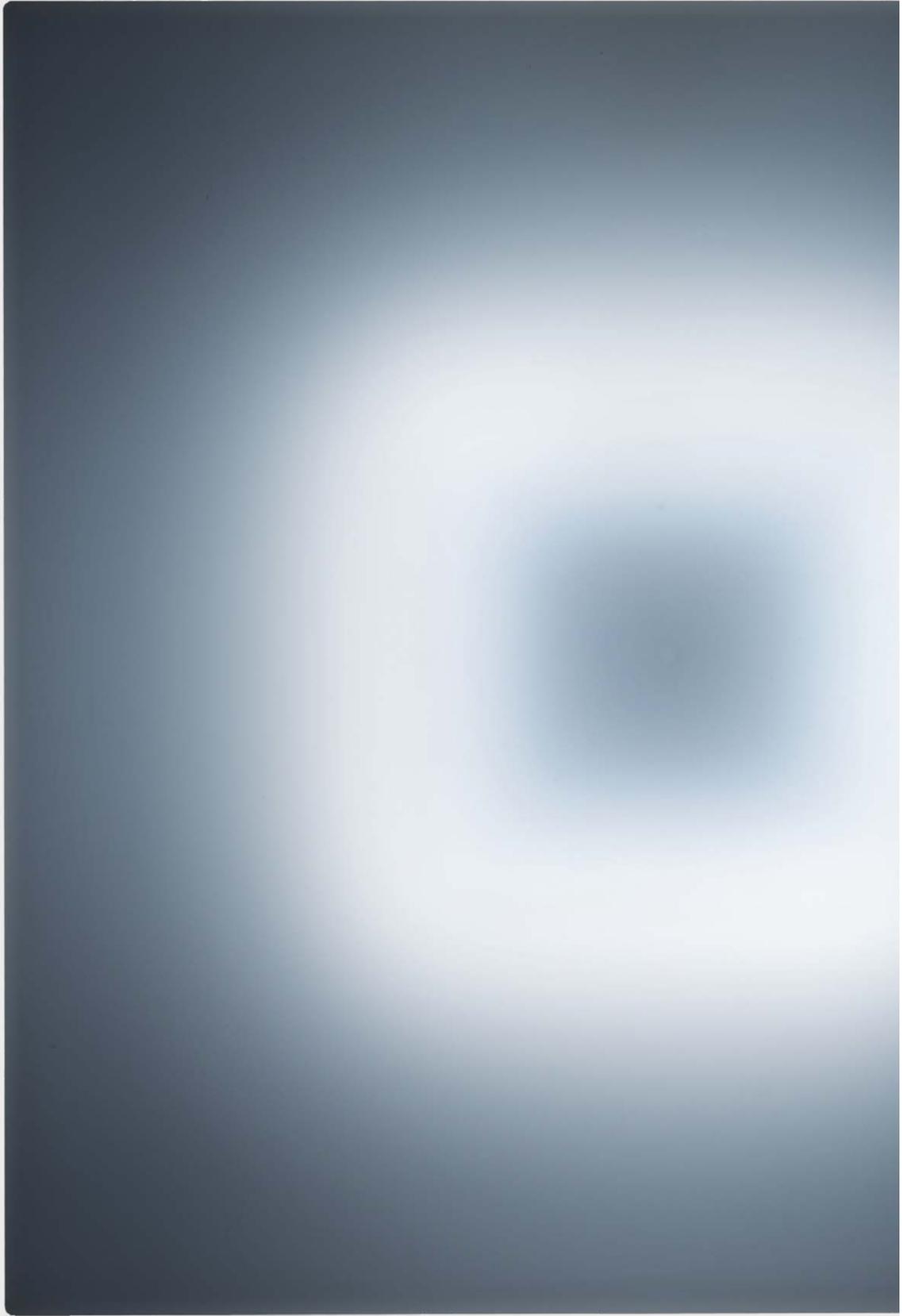


Optic for open area



simulation for four luminaires and min 0,5 lx (area)





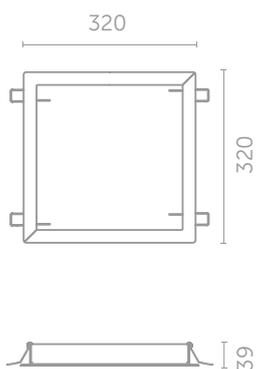
EDGE accessories



ACCESSORY FOR RECESSED MOUNTING

CODE: EDSE/REC/WH

DIMENSIONS [mm]

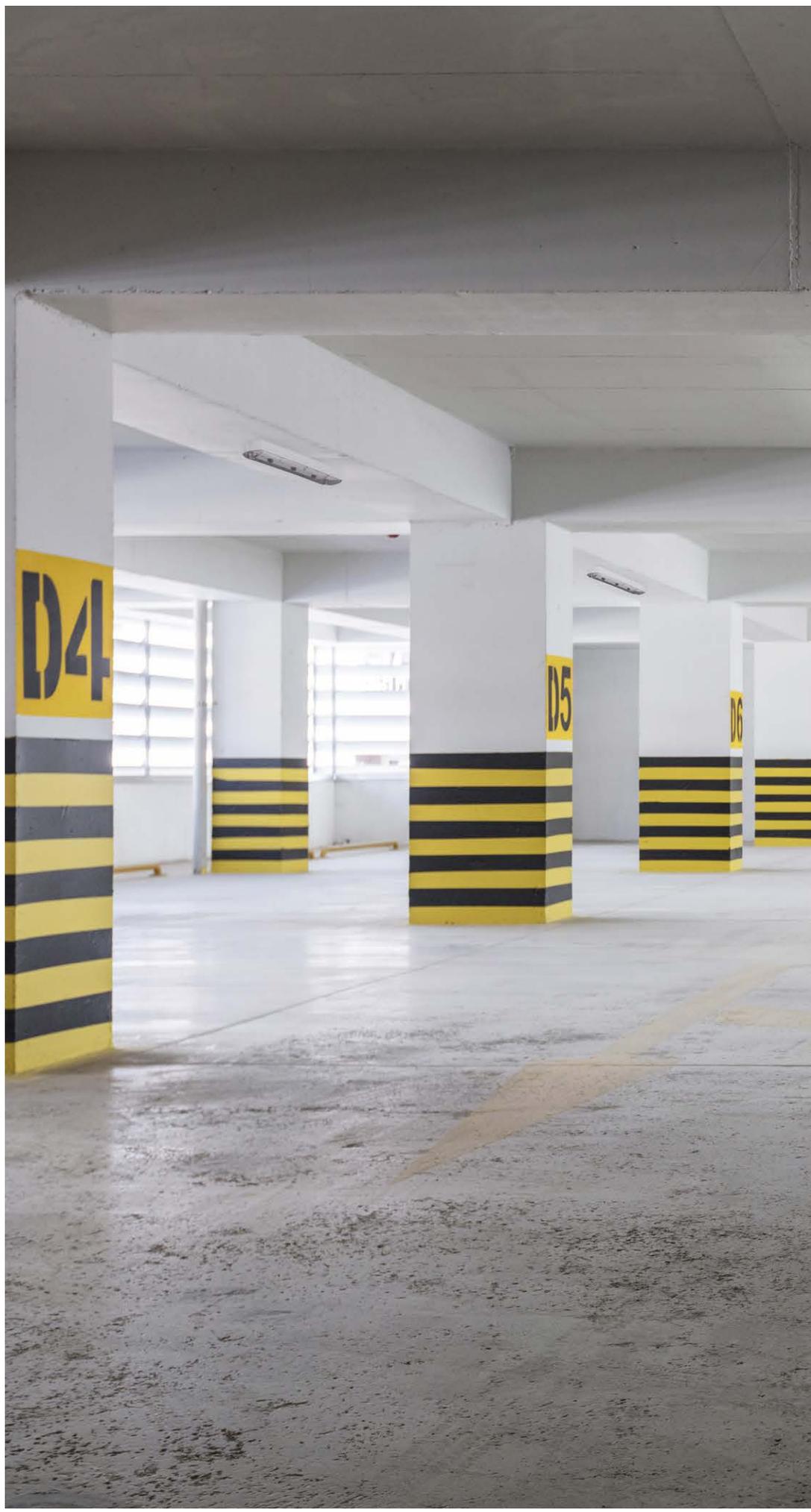


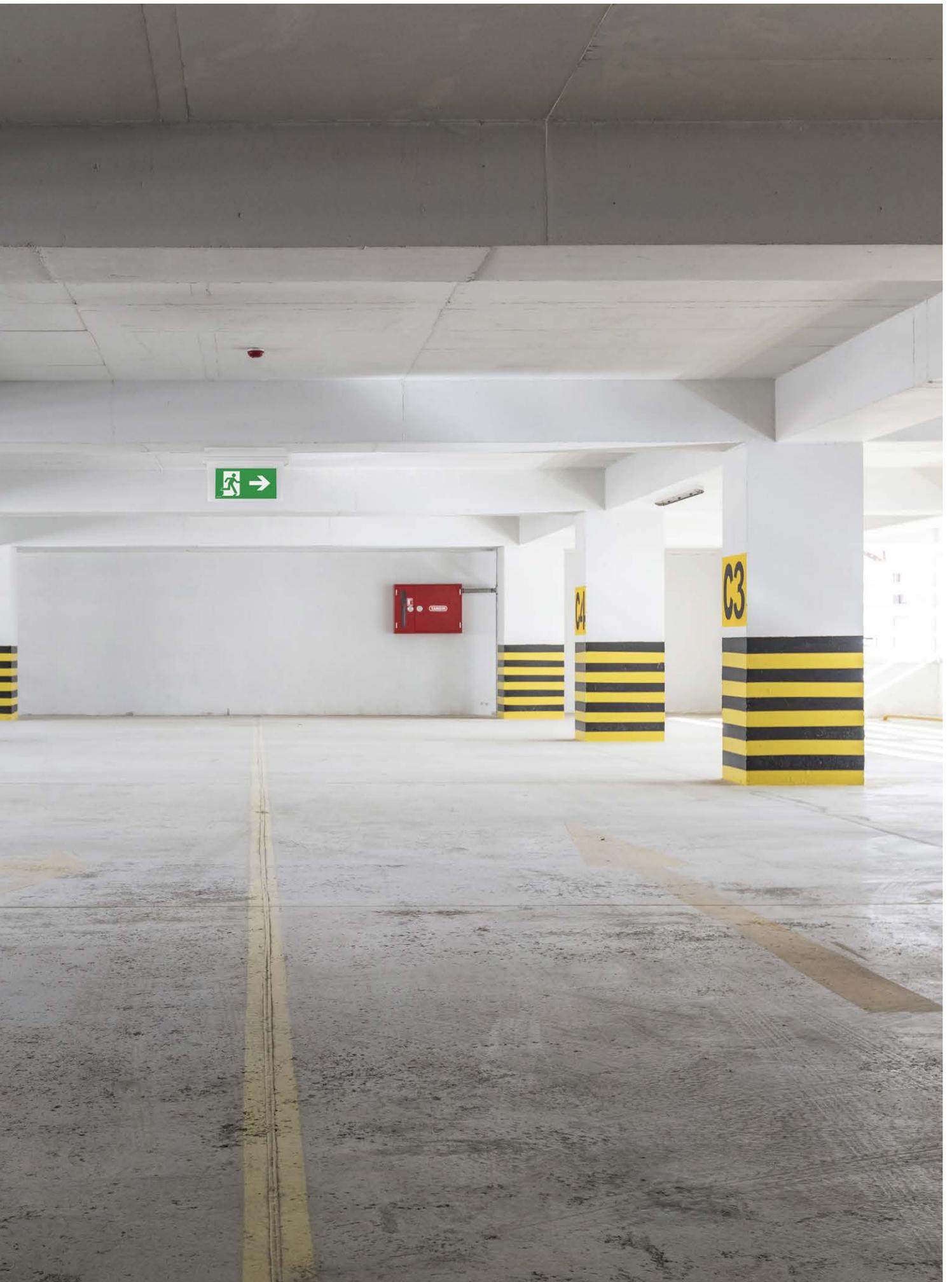
FITS TO EDGE S





HELIOS LED family





HELIOS LED



HELIOS LED

p. 150



HELIOS LED

p. 154



HELIOS DS LED

p. 156

CLOSE UP



COLOURS

White



RAL 9003

Solid construction

HELIOS series is a type of emergency or escape-sign luminaires designed for surface mounting, with ceiling/wall/ceiling pipe bracket, protected with wire guard (to get IK10). It was developed to meet the needs of the most demanding installations. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of luminous flux. High ingress protection IP65 and a variety of led light sources (different lumen output) make it ideal choice for large industrial areas, warehouses with high ceiling, parking areas, tunnels, for both showing way out from site or lighting it.

In addition, with the use of heater HTR-25 system made by AWEX, the HELIOS LED luminaire is suitable for difficult environmental conditions (low temperatures).



HELIOS LED



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP42

IP65

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonate body • Transparent polycarbonate cover

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W, 4W, 3x1W, 6x1W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP42 or IP65, IK08

AMBIENT TEMPERATURE

Self-contained: t_a : 0°C ÷ 40°C • t_a : -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a : -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25
• III class of insulation of FZLV and FZLV2 version

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COVER	
STANDARD	HWM HWEM	1W	E C	1	3	SE	SA	PT	AT	X	TR	
		2W	E C	1	3	SE	SA	PT	AT	X	TR	
	HWD HWED	3W	E C	1	3	SE	SA	PT	AT	X	TR	
		3x1W	E C	1	3	SE	SA	PT	AT	X	TR	
PREMIUM	HWM HWEM	HHP	6x1W*	B	1	3	SE	SA	PT	AT	X	TR
		1W	B	1	3	SE	SA	AT	RU	RW	RD	TR
		2W	B	1	3	SE	SA	AT	RU	RW	RD	TR
	HWD HWED	3W	B	1	3	SE	SA	AT	RU	RW	RD	TR
		3x1W	B	1	3	SE	SA	AT	RU	RW	RD	TR
	HHP	4W	B	1	3	SE	SA	AT	RU	RW	RD	TR
6x1W*		B	1	3	SE	SA	AT	RU	RW	RD	TR	

* power in emergency mode

OUTPUT IN EMERGENCY MODE [lm] **LEGEND:**

	POWER	OUTPUT [lm]
STANDARD	1W	165
	2W	255
	3W	395
	3x1W	395
PREMIUM	6x1W	920
	1W	175
	2W	310
	3W	410
	3x1W	410
	4W	560
6x1W	920	

- HWM fixture Helios IP65, regular application
- HWEM fixture Helios IP42, regular application
- HWD fixture Helios IP65, narrow beam optics
- HWED fixture Helios IP42, narrow beam optics
- HHP fixture Helios IP65 6x1W, double height areas
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- TR transparent polycarbonate cover

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COVER
HWM HWEM	1W	F	CB	CBS X	TR
	2W	F	CB	CBS X	TR
	3W	F	CB	CBS X	TR
HWD HWED	3x1W	F	CB	CBS X	TR
HHP	4W	F	CB	CBS X	TR
	6x1W	F	CB	CBS X	TR

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]
1W	175
2W	310
3W	410
3x1W	410
4W	560
6x1W	920

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COVER
HWM HWEM	1W	Z	CB	ADE ADP	TR
	2W	Z	CB	ADE ADP	TR
	3W	Z	CB	ADE ADP	TR
HWD HWED	3x1W	Z	CB	ADE ADP	TR
HHP	4W	Z	CB	ADE ADP	TR
	6x1W	Z	CB	ADE ADP	TR

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]
1W	175
2W	310
3W	410
3x1W	410
4W	560
6x1W	920

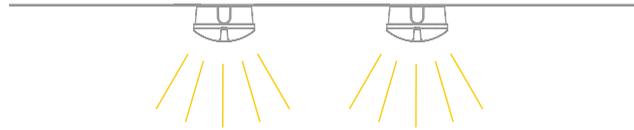
FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COVER
HWM HWEM	1W	FZLV FZLV2	TR
	2W	FZLV FZLV2	TR
	3W	FZLV FZLV2	TR
HWD HWED	3x1W	FZLV FZLV2	TR
HHP	4W	FZLV2	TR
	6x1W	FZLV FZLV2	TR

OUTPUT IN EMERGENCY MODE [lm]

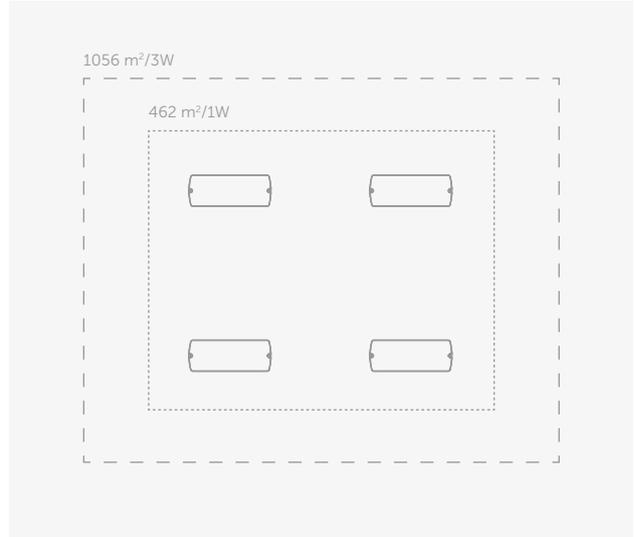
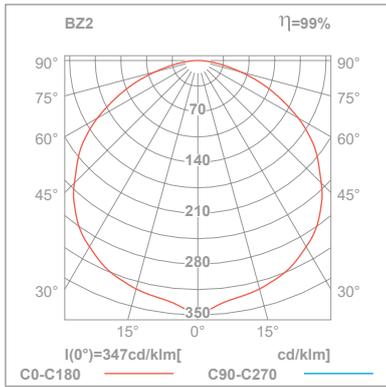
POWER	OUTPUT [lm]
1W	175
2W	310
3W	410
3x1W	410
4W	560
6x1W	920

HELIOS LED EXAMPLE OF PHOTOMETRY



Optic for open area

simulation for four luminaires and min 0,5 lx (area)





HELIOS LED

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP42

IP65

IK08



d=25m



Ni-Cd

LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonate body • Opal polycarbonate cover

MOUNTING

Surface • Optionally wall or ceiling bracket ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP42 or IP65, IK08

VIEWING DISTANCE

25 m

VIEWING METHOD

One-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory bracket • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COVER	
				1	3	SE	SA	PT	AT	X		
STANDARD	HL HEL	1W	E C	1	3	SE	SA	PT	AT	X	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	OP	
PREMIUM	HL HEL	1W	B	1	3	SE	SA	AT	RU	RW	RD	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
					CBS	X	
HL HEL	1W	F		CB	CBS	X	OP
	2W	F		CB	CBS	X	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
					ADE	ADP	
HL HEL	1W	Z		CB	ADE	ADP	OP
	2W	Z		CB	ADE	ADP	OP

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM	COVER	
					FZLV2
HL HEL	1W		FZLV	FZLV2	OP
	2W		FZLV	FZLV2	OP

LEGEND:

- HEL fixture HELIOS LED IP42
- HL fixture HELIOS LED IP65
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- OP opal polycarbonate cover



HELIOS DS LED

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP42

IP65

IK08



d=25m



Ni-Cd



LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonate body • Opal polycarbonate cover

MOUNTING

Surface • Optionally wall or ceiling bracket ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP42 or IP65, IK08

VIEWING DISTANCE

25 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signals mains power supply and battery charge • Deep discharge protection • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory bracket • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COVER	
				1	3	SE	SA	PT	AT	X		
STANDARD	HDL HDEL	1W	E C	1	3	SE	SA	PT	AT	X	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	OP	
PREMIUM	HDL HDEL	1W	B	1	3	SE	SA	AT	RU	RW	RD	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
HDL HDEL	1W	F	CB	CBS	X	OP
	2W	F	CB	CBS	X	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COVER
HDL HDEL	1W	Z	CB	ADE	ADP	OP
	2W	Z	CB	ADE	ADP	OP

FZLV SYSTEM CONFIGURATION

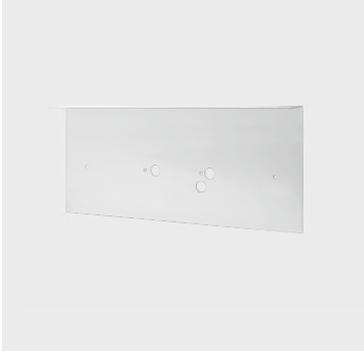
CODE	POWER	SYSTEM	COVER	
HDL HDEL	1W	FZLV	FZLV2	OP
	2W	FZLV	FZLV2	OP

LEGEND:

- HDEL fixture HELIOS DS LED IP42
- HDL fixture HELIOS DS LED IP65
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- OP opal polycarbonate cover



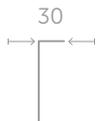
HELIOS LED accessories



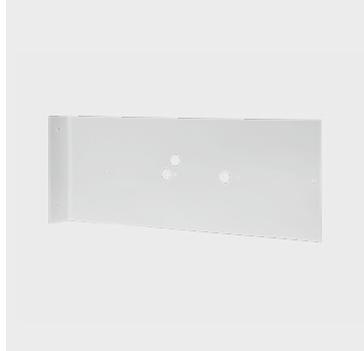
CEILING BRACKET

CODE: 1902

DIMENSIONS [mm]



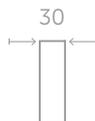
FITS TO HELIOS LED



WALL BRACKET

CODE: 1901

DIMENSIONS [mm]



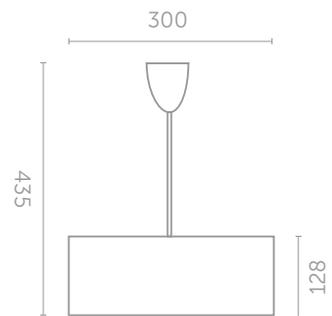
FITS TO HELIOS LED



CEILING BRACKET WITH PIPE

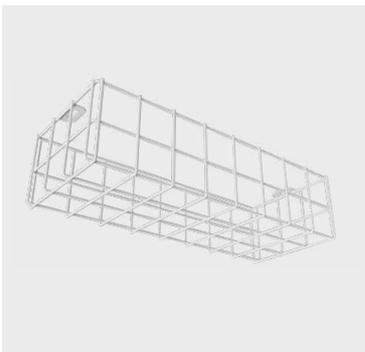
CODE: 2944

DIMENSIONS [mm]



FITS TO HELIOS LED

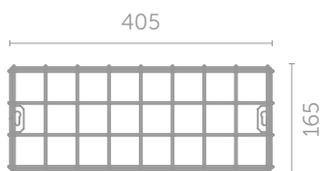




WIRE GUARD

CODE: 1003

DIMENSIONS [mm]

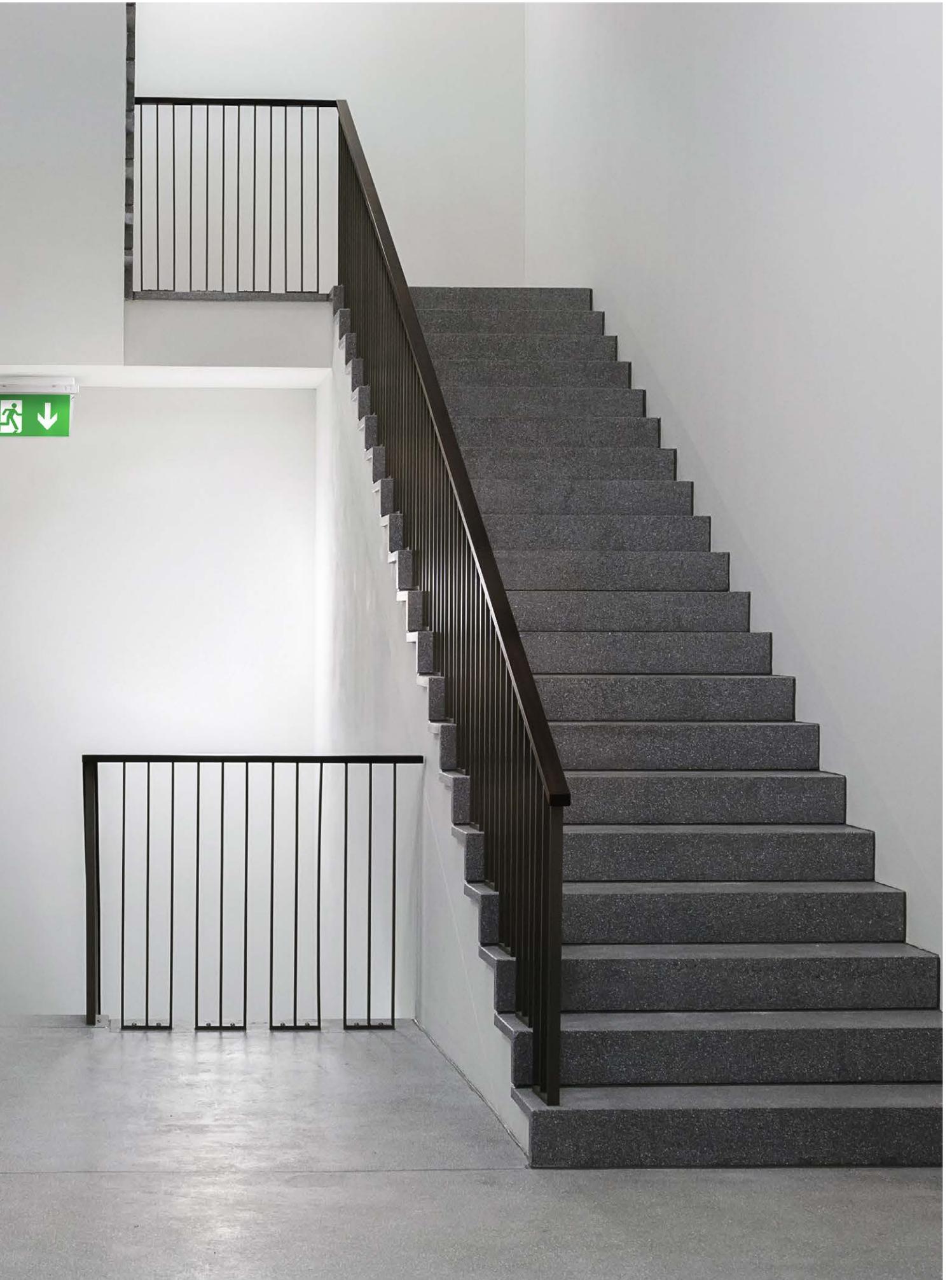


FITS TO HELIOS LED



EXIT family





EXIT



EXIT S



EXIT S



EXIT M



EXIT M



EXIT M DS



EXIT L

One design for multiple application

EXIT series is a conventional emergency or escape-sign luminaire designed for variety of installation like surface, flush, wall/ceiling (with wire guard), ceiling-pipe mounting. Its minimalist design and maximum functionality make it ideal for use both inside and outside buildings. The luminaire is made of high-quality components so that it is characterised by above-average parameters in terms of luminous flux. In addition, with the use of heater HTR-25 system made by AWEX, the EXIT luminaire is suitable for difficult environmental conditions like cold warehouses, mechanical/electrical rooms, kitchens, laundry/washrooms.

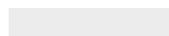


COLOURS

White

Grey

Black



RAL 9003

RAL 7045

RAL 9005



EXIT L

p. 186

CLOSE UP



EXIT S

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP65

IK07



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Transparent polycarbonate cover

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W LED
Optics: U – universal • R – escape route
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK07

AMBIENT TEMPERATURE

Self-contained: t_a : 0°C ÷ 40°C • t_b : -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a : -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ see accessory for pendant mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ETS ETSR ETSU	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ETS ETSR ETSU	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ETS	ETSR	ETSU
STANDARD	1W	170	170	170
	2W	270	270	305
PREMIUM	1W	175	175	180
	2W	335	335	340
	3W	410	410	430

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
					CBS	X	WH	GR	BL
ETS ETSR ETSU	1W	F	CB	CBS	X	WH	GR	BL	
	2W	F	CB	CBS	X	WH	GR	BL	
	3W	F	CB	CBS	X	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ETS	ETSR	ETSU
1W	175	175	180	
2W	335	335	340	
3W	410	410	430	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
					ADE	ADP	WH	GR	BL
ETS ETSR ETSU	1W	Z	CB	ADE	ADP	WH	GR	BL	
	2W	Z	CB	ADE	ADP	WH	GR	BL	
	3W	Z	CB	ADE	ADP	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ETS	ETSR	ETSU
1W	175	175	180	
2W	335	335	340	
3W	410	410	430	

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM		COLOR		
			FZLV	FZLV2	WH	GR	BL
ETS ETSR ETSU	1W	FZLV	FZLV2	WH	GR	BL	
	2W	FZLV	FZLV2	WH	GR	BL	
	3W	FZLV	FZLV2	WH	GR	BL	

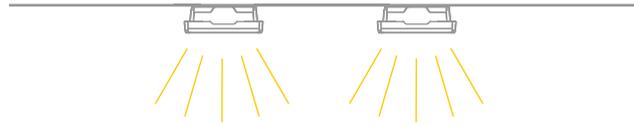
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ETS	ETSR	ETSU
1W	175	175	180	
2W	335	335	340	
3W	410	410	430	

LEGEND:

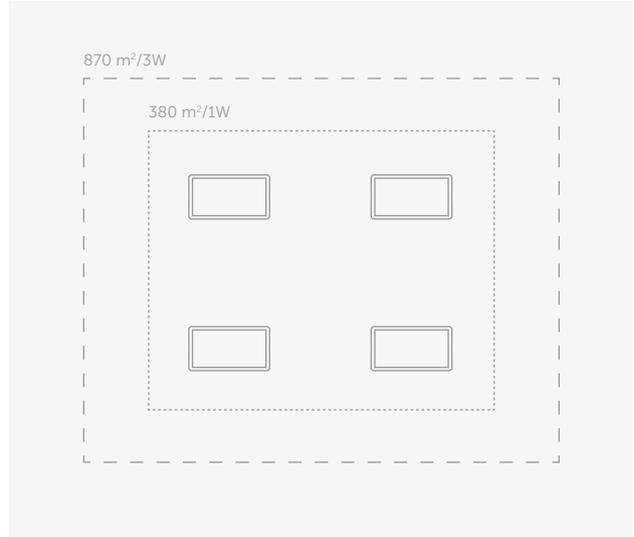
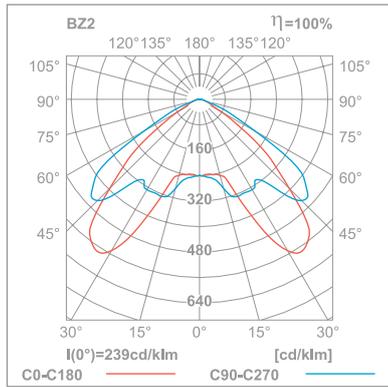
ETS	fixture EXIT S	AT	autotest
ETSU	fixture EXIT S with universal optics	RU	Rubic UNA central monitoring
ETSR	fixture EXIT S with optics for escape route	RW	Rubic UNA Wireless central monitoring
E, C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
PT	manual test button	ADE	address module for CBS 2.0 – SMART technology
X	fitting without additional options	WH	white color
		GR	grey color
		BL	black color

EXIT S EXAMPLE OF PHOTOMETRY



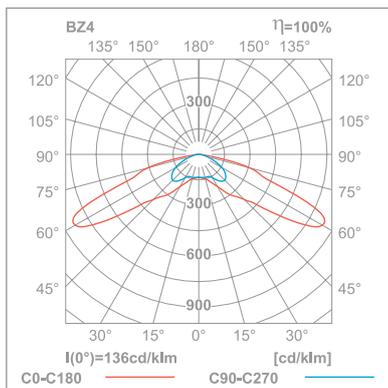
Optic U for open area

simulation for four luminaires and min 0,5 lx (area)



Optic R for escape route

simulation for two luminaires and min 1 lx (distance)





EXIT S

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP65

IK07



d=20m



Ni-Cd

LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Transparent or opal polycarbonate cover • Plexi glass

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK07

VIEWING DISTANCE

20 m

VIEWING METHOD

Single sided or double-sided⁽³⁾

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

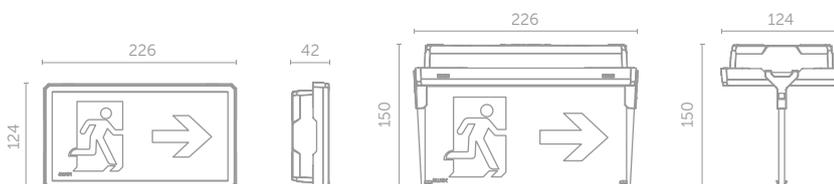
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ see accessory for pendant mounting • ⁽³⁾ see accessory for two-sided pictogram
• ⁽⁴⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽⁴⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			COVER		
				1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
STANDARD	ETS	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
PREMIUM	ETS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER	
					CBS	X	WH	GR	BL	TR	OP
ETS	1W	F		CB	CBS	X	WH	GR	BL	TR	OP
	2W	F		CB	CBS	X	WH	GR	BL	TR	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER	
					ADE	ADP	WH	GR	BL	TR	OP
ETS	1W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP
	2W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM		COLOR			COVER	
			FZLV	FZLV2	WH	GR	BL	TR	OP
ETS	1W		FZLV	FZLV2	WH	GR	BL	TR	OP
	2W		FZLV	FZLV2	WH	GR	BL	TR	OP

LEGEND:

- ETS fixture EXIT S
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color
- TR transparent polycarbonate cover
- OP opal polycarbonate cover







EXIT M

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP65

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Transparent polycarbonate cover

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK08

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ see accessory for pendant mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ETE	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		3W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ETE	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETE
STANDARD	1W	170
	2W	285
	3W	395
PREMIUM	1W	175
	2W	340
	3W	410

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
ETE	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETE
1W	175	
2W	340	
3W	410	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
ETE	1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETE
1W	175	
2W	340	
3W	410	

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR			
			WH	GR	BL	
ETE	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL

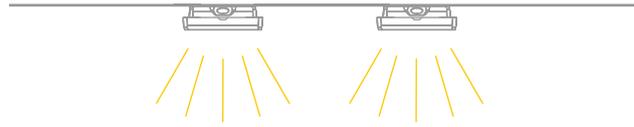
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETE
1W	175	
2W	340	
3W	410	

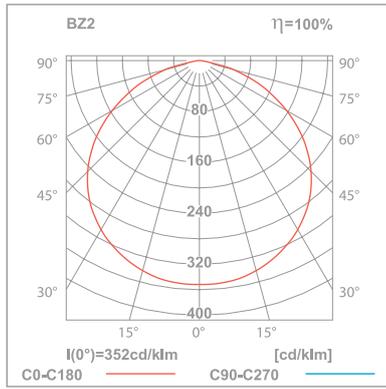
LEGEND:

ETE	fixture EXIT M	RW	Rubic UNA Wireless central monitoring
E, C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
PT	manual test button	ADE	address module for CBS 2.0 – SMART technology
X	fitting without additional options	WH	white color
AT	autotest	GR	grey color
RU	Rubic UNA central monitoring	BL	black color

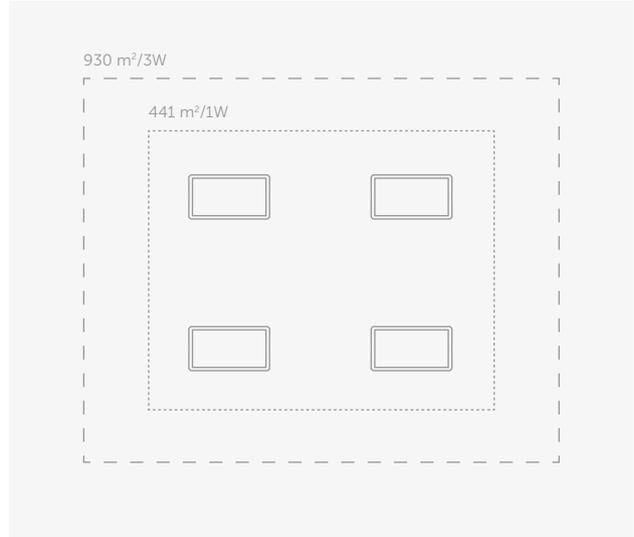
EXIT M EXAMPLE OF PHOTOMETRY

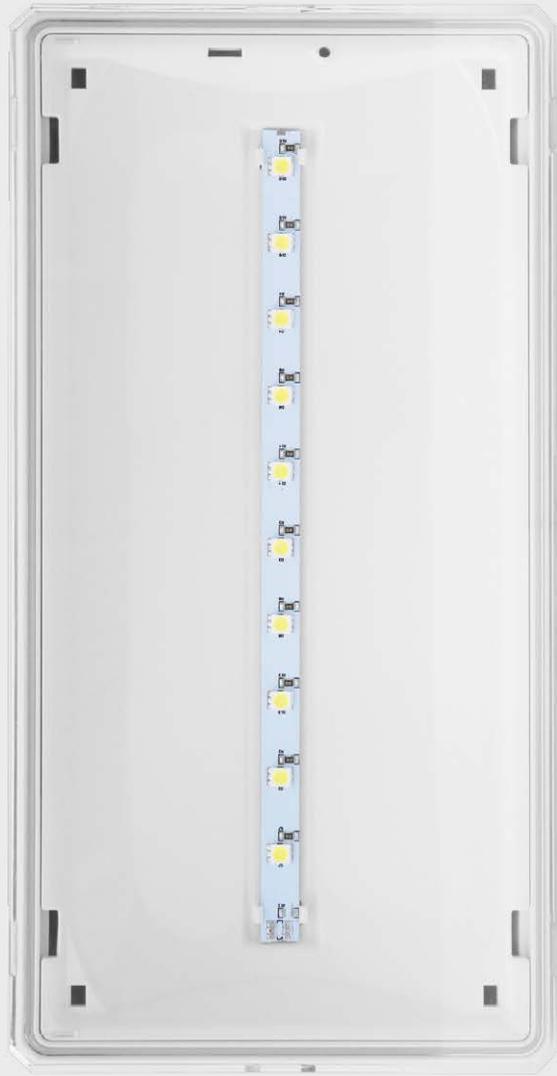


Optic for open area



simulation for four luminaires and min 0,5 lx (area)





EXIT M

AC
220-240V
50-60Hz

DC
176-275V

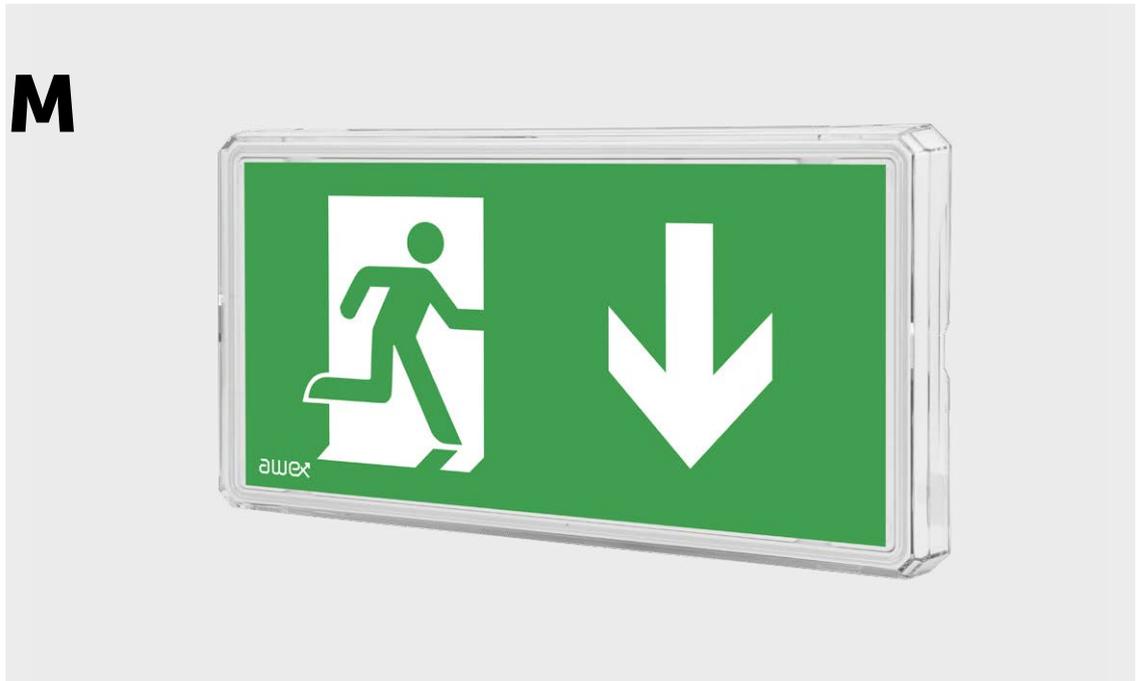
DC
24V

DC
48V

LED

IP65

IK08



d=25mm



Ni-Cd

LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Transparent or opal polycarbonate cover • Plexi glass

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK08

VIEWING DISTANCE

25 m

VIEWING METHOD

Single sided or double-sided⁽³⁾

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

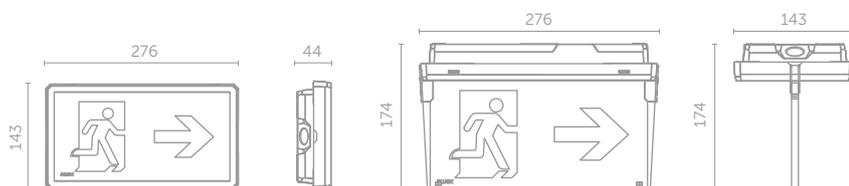
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ see accessory for pendant mounting • ⁽³⁾ see accessory for two-sided pictogram
• ⁽⁴⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽⁴⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			COVER		
				1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
STANDARD	ETE	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
PREMIUM	ETE	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER	
ETE	1W	F		CB	CBS	X	WH	GR	BL	TR	OP
	2W	F		CB	CBS	X	WH	GR	BL	TR	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

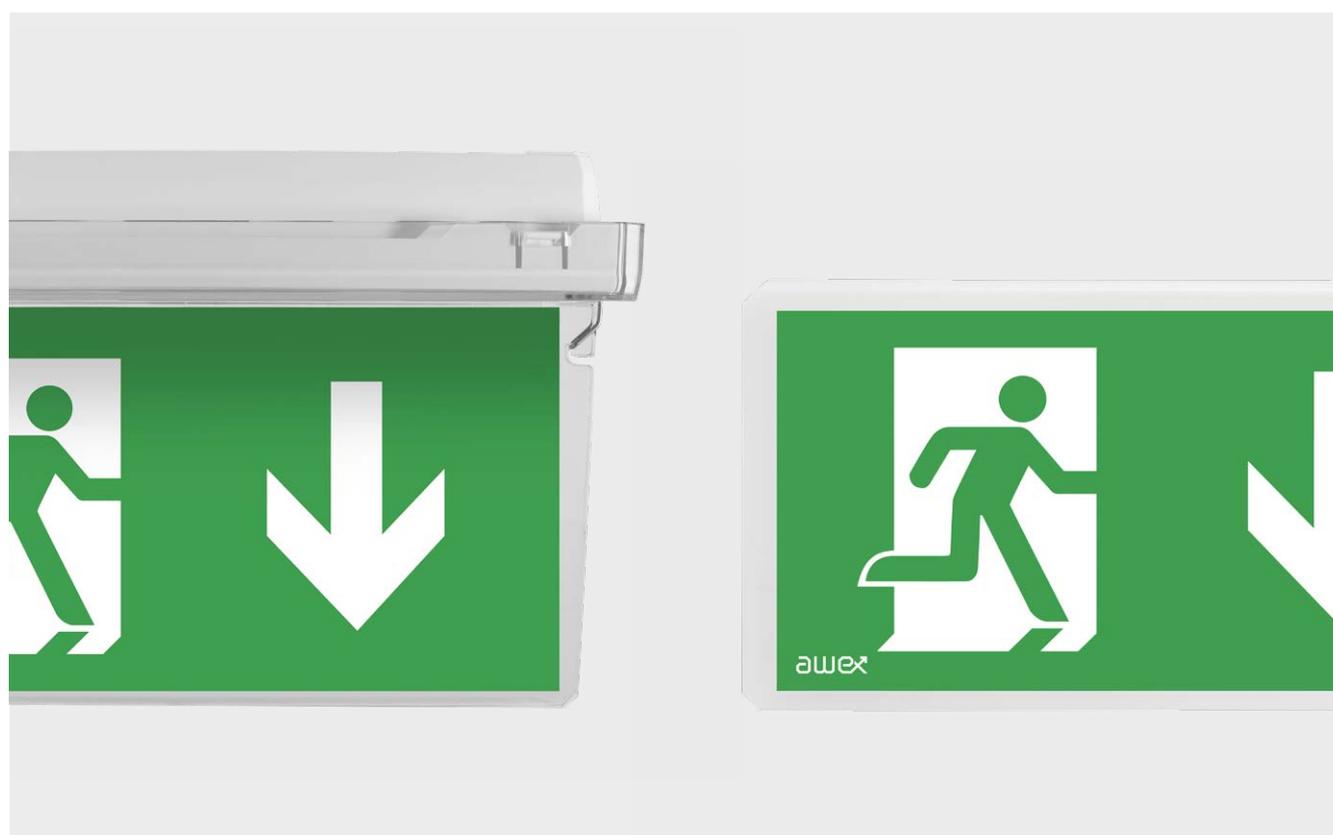
	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER	
ETE	1W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP
	2W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM	SYSTEM	COLOR			COVER	
ETE	1W		FZLV	FZLV2	WH	GR	BL	TR	OP
	2W		FZLV	FZLV2	WH	GR	BL	TR	OP

LEGEND:

- ETE fixture EXIT M
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button fitting
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color
- TR transparent polycarbonate cover
- OP opal polycarbonate cover



EXIT M DS

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP65

IK08



d=25m



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonat body • Transparent or opal polycarbonat cover • Plexi glass

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾ • Optionally wall or ceiling bracket ⁽³⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK08

VIEWING DISTANCE

25 m

VIEWING METHOD

double-sided⁽³⁾

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

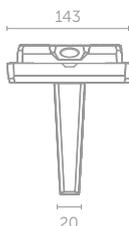
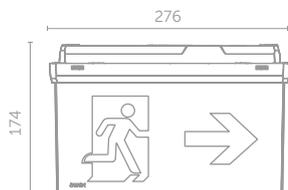
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ see accessory for pendant mounting • ⁽³⁾ see accessory bracket • ⁽⁴⁾ select 2pc of pictogram number from datasheet Pictograms.

DIMENSIONS [mm]



⁽⁴⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			COVER		PICTOGRAMS	
				1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP		
STANDARD	ETMDS	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	XXYY	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	XXYY	
PREMIUM	ETMDS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP	XXYY
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP	XXYY

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER		PICTOGRAMS
					CBS	X	WH	GR	BL	TR	OP	
ETMDS	1W	F		CB	CBS	X	WH	GR	BL	TR	OP	XXYY
	2W	F		CB	CBS	X	WH	GR	BL	TR	OP	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER		PICTOGRAMS
					ADE	ADP	WH	GR	BL	TR	OP	
ETMDS	1W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP	XXYY
	2W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP	XXYY

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM		COLOR			COVER		PICTOGRAMS
			FZLV	FZLV2	WH	GR	BL	TR	OP	
ETMDS	1W		FZLV	FZLV2	WH	GR	BL	TR	OP	XXYY
	2W		FZLV	FZLV2	WH	GR	BL	TR	OP	XXYY

LEGEND:

- ETMDS fixture EXIT M DS
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color
- TR transparent polycarbonate cover
- OP opal polycarbonate cover
- XX pictogram from the front side ID (e.g. 21)
- YY pictogram from the back side ID (e.g. 21)







EXIT L

AC
220-240V
50-60Hz

DC
176-275V

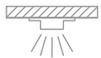
DC
24V

DC
48V

LED

IP65

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Transparent polycarbonate cover

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W, 6W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK08

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ see accessory for pendant mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ETL	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		3W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ETL	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		6W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETL
STANDARD	1W	170
	2W	285
	3W	430
PREMIUM	1W	180
	2W	340
	3W	455
	6W	850

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
					CBS	X	WH	GR	BL
ETL	1W	F		CB	CBS	X	WH	GR	BL
	2W	F		CB	CBS	X	WH	GR	BL
	3W	F		CB	CBS	X	WH	GR	BL
	6W	F		CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETL
1W	180	
2W	340	
3W	455	
6W	850	

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
					ADE	ADP	WH	GR	BL
ETL	1W	Z		CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z		CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z		CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	6W	Z		CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETL
1W	180	
2W	340	
3W	455	
6W	850	

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM	COLOR			
				WH	GR	BL	
ETL	1W		FZLV	FZLV2	WH	GR	BL
	2W		FZLV	FZLV2	WH	GR	BL
	3W		FZLV	FZLV2	WH	GR	BL
	6W		FZLV	FZLV2	WH	GR	BL

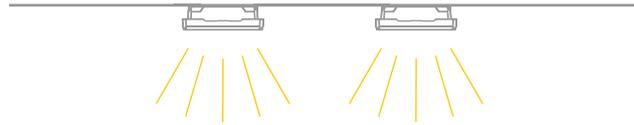
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	ETL
1W	180	
2W	340	
3W	455	
6W	850	

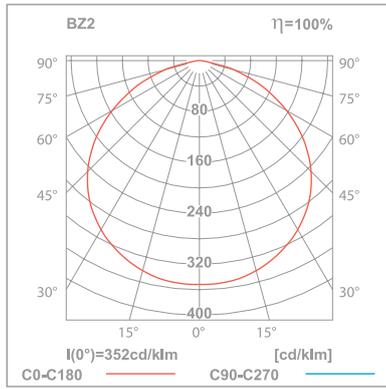
LEGEND:

ETL	fixture EXIT L	RW	Rubic UNA Wireless central monitoring
E, C	electronic gear for STANDARD self-contained fittings	RD	DALI central monitoring
B	electronic gear for PREMIUM self-contained fittings	FZLV	central battery FZLV 24 VDC
F	electronic gear for central battery fittings	FZLV2	central battery FZLV II 48 VDC
Z	electronic gear for addressable central battery fittings	CB	central battery version
SE	non maintained	CBS	central battery for circuit monitoring
SA	maintained	ADP	address module for CBS 1.0 – SMART technology
PT	manual test button	ADE	address module for CBS 2.0 – SMART technology
X	fitting without additional options	WH	white color
AT	autotest	GR	grey color
RU	Rubic UNA central monitoring	BL	black color

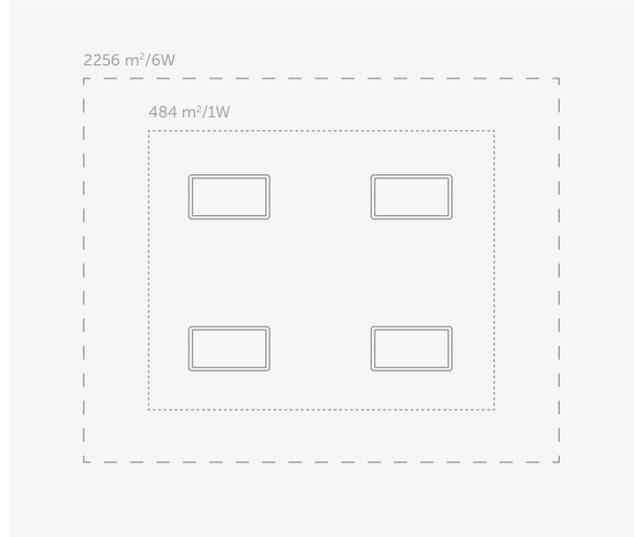
EXIT L EXAMPLE OF PHOTOMETRY

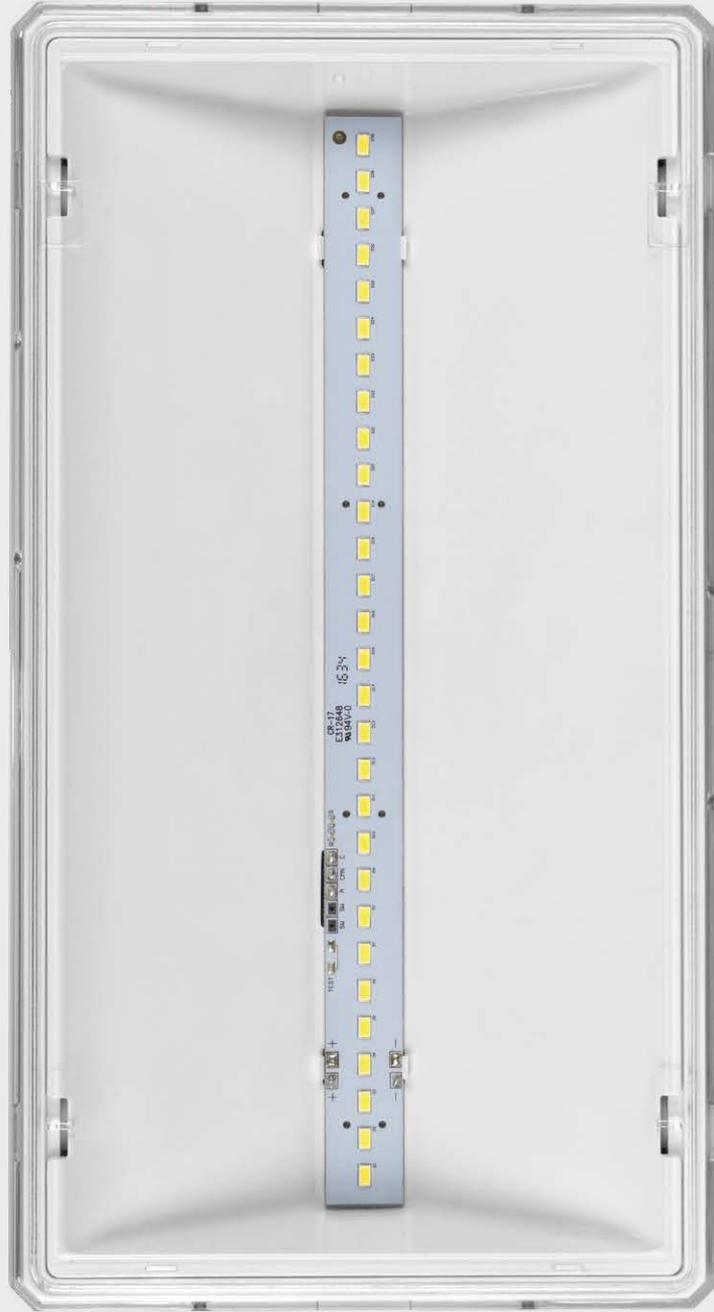


Opticfor open area



simulation for four luminaires and min 0,5 lx (area)





EXIT L

AC
220-240V
50-60Hz

DC
176-275V

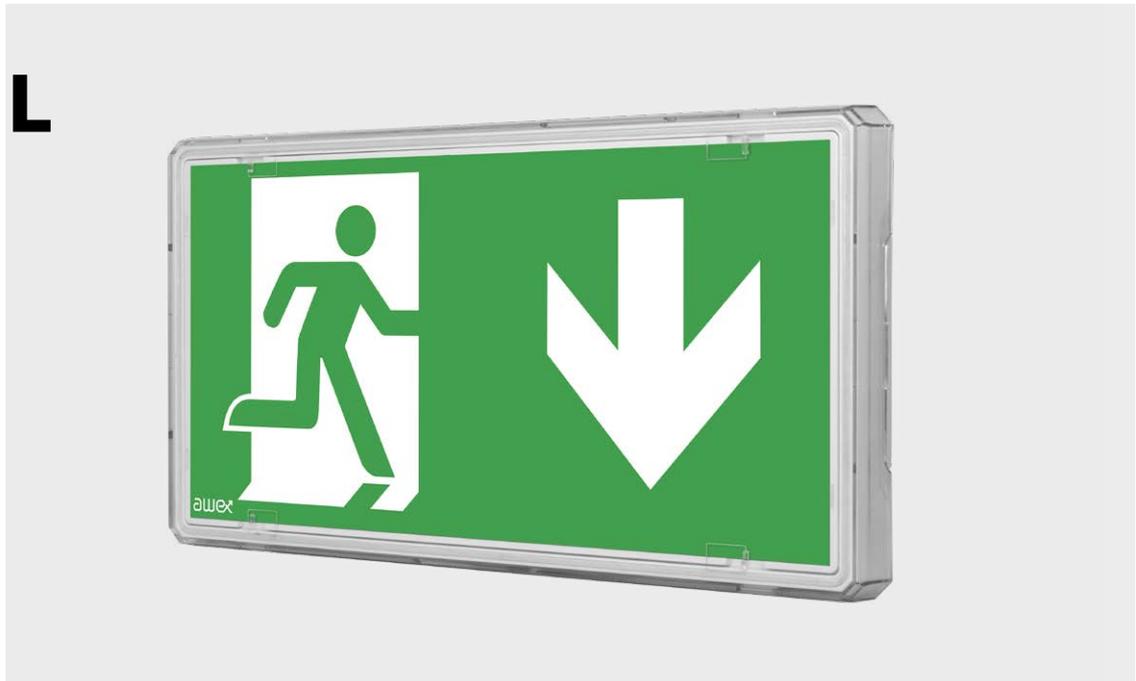
DC
24V

DC
48V

LED

IP65

IK08



d=30m



Ni-Cd

LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Transparent or opal polycarbonate cover • Plexi glass

MOUNTING

Surface • Optionally recessed⁽¹⁾ • Optionally pendant⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP65, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Single sided or double-sided⁽³⁾

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

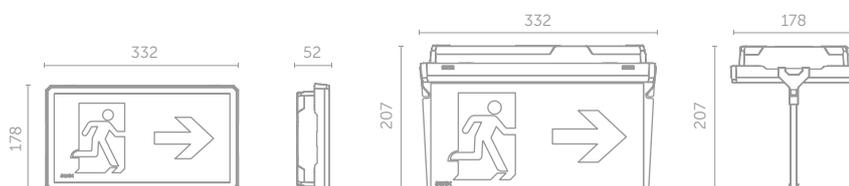
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting
• ⁽²⁾ see accessory for recessed mounting, RW option not available • ⁽³⁾ see accessory for two-sided pictogram • ⁽⁴⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽⁴⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			COVER		
				1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
STANDARD	ETL	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	TR	OP	
PREMIUM	ETL	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL	TR	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER	
ETL	1W	F		CB	CBS	X	WH	GR	BL	TR	OP
	2W	F		CB	CBS	X	WH	GR	BL	TR	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			COVER	
ETL	1W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP
	2W	Z		CB	ADE	ADP	WH	GR	BL	TR	OP

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM	SYSTEM	COLOR			COVER	
ETL	1W		FZLV	FZLV2	WH	GR	BL	TR	OP
	2W		FZLV	FZLV2	WH	GR	BL	TR	OP

LEGEND:

- ETL fixture EXIT L
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color
- TR transparent polycarbonate cover
- OP opal polycarbonate cover



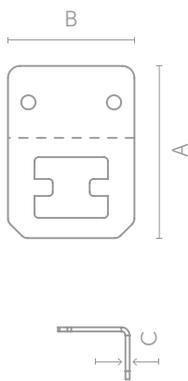
EXIT accessories



ACCESSORY FOR RECESSED MOUNTING (SET)

CODE: ETS/REC – EXIT S
 ETE/REC – EXIT M
 ETL/REC – EXIT L

DIMENSIONS [mm]



Dimensions: (AxBxC):

EXIT S: 36x36x1,5

EXIT M: 42x31x1,5

EXIT L: 37x34x1,5

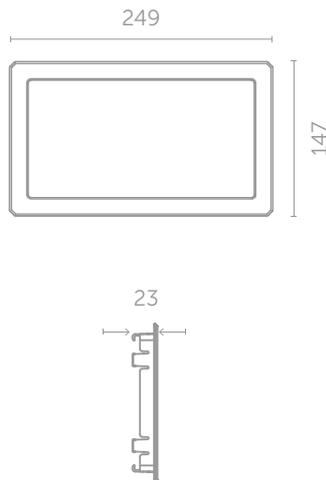
FITS TO EXIT S, M, L



ACCESSORY FOR RECESSED MOUNTING (SET)

CODE: ETS/REC2

DIMENSIONS [mm]



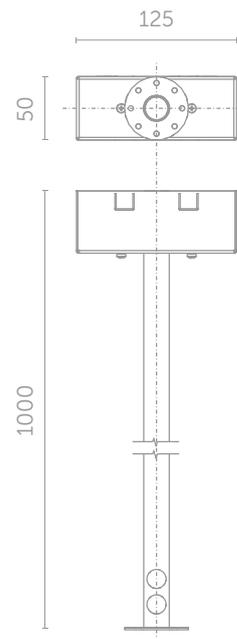
FITS TO EXIT S



ACCESSORY FOR PENDANT MOUNTING

CODE: ETE/PEN2

DIMENSIONS [mm]



FITS TO EXIT S, M, L



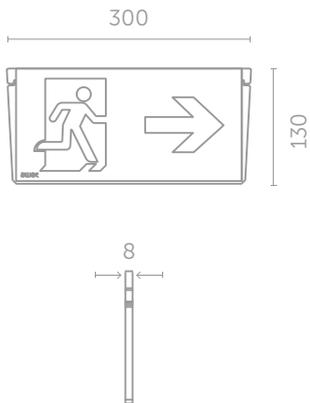


PLEXI GLASS (SET)

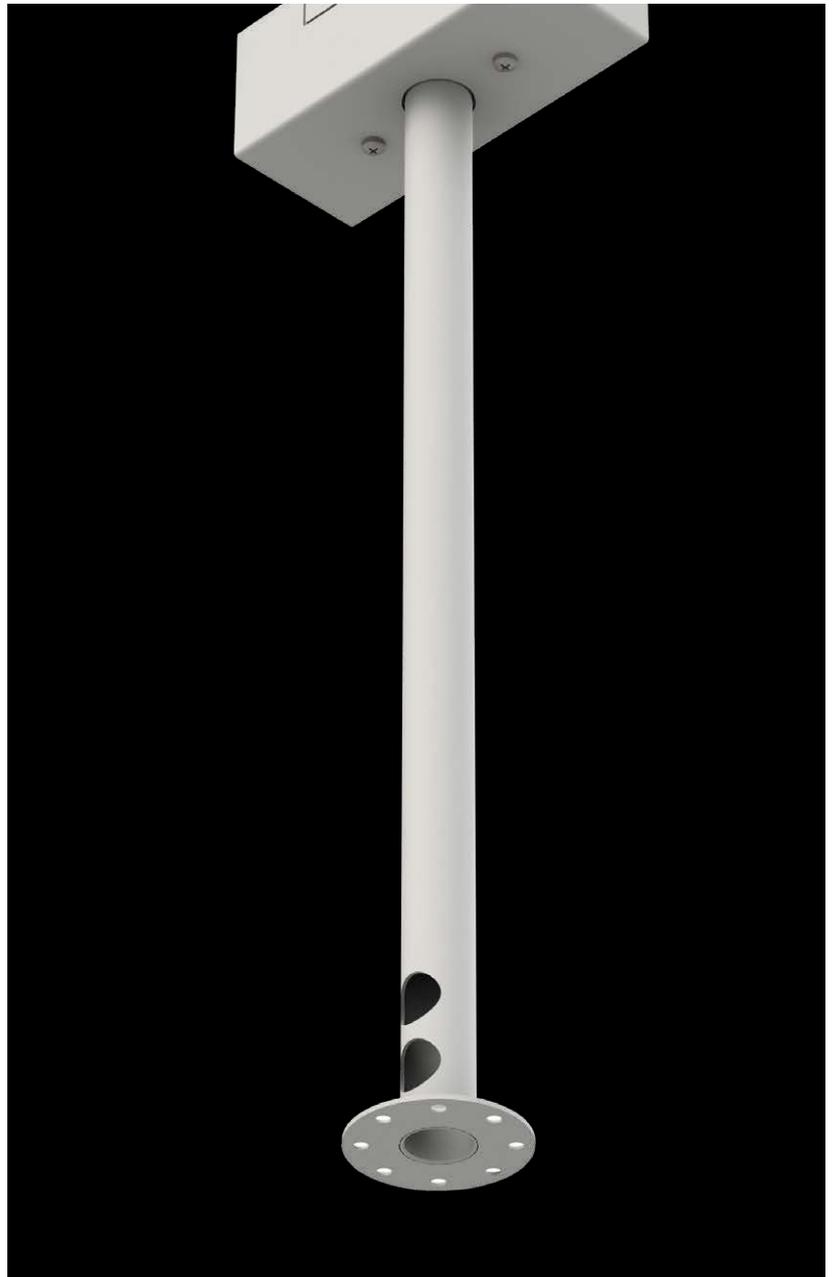
CODE: ETE/PLX

* 1PC OF UNIVERSAL PICTOGRAM IS INCLUDED IN EACH SINGLE BOX

DIMENSIONS [mm]



FITS TO EXIT M





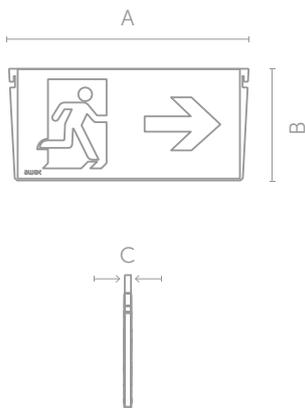
PLEXI GLASS (SET)

CODE: ETS/PLX - EXIT S

ETL/PLX - EXIT L

*1PC OF UNIVERSAL PICTOGRAM IS INCLUDED IN EACH SINGLE BOX

DIMENSIONS [mm]



Dimensions:(AxBxC):

EXIT S: 224x107x6

EXIT L: 330x155x8

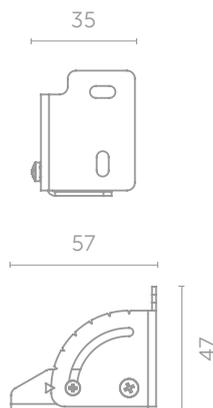
FITS TO EXIT S, L



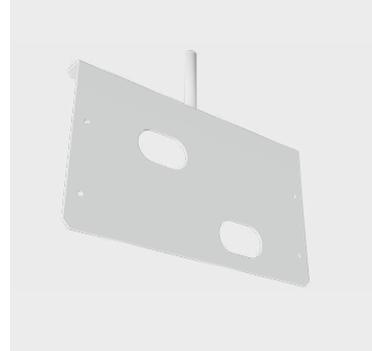
ADJUSTABLE HANDLE 0-90°

CODE: 3001

DIMENSIONS [mm]



FITS TO EXIT M, L



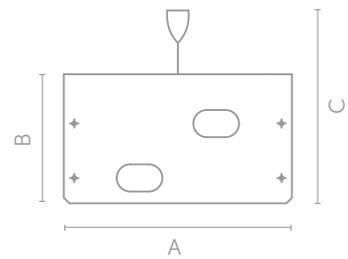
CEILING BRACKET WITH PIPE

CODE: 2945 – EXIT S

2946 – EXIT M

2947 – EXIT L

DIMENSIONS [mm]



Dimensions (mm): (AxBxC):

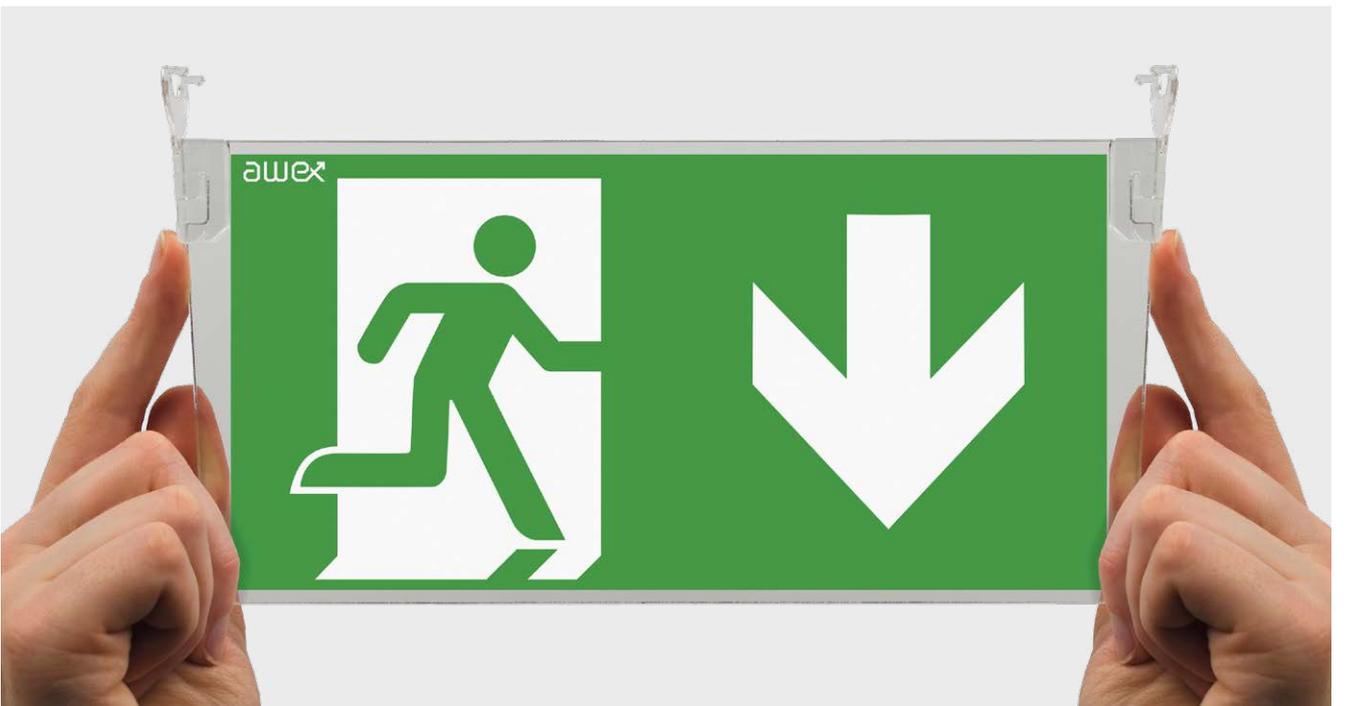
EXIT S: 202x121x428

EXIT M: 250x142x449

EXIT L: 300x172x479

FITS TO EXIT S, M, L



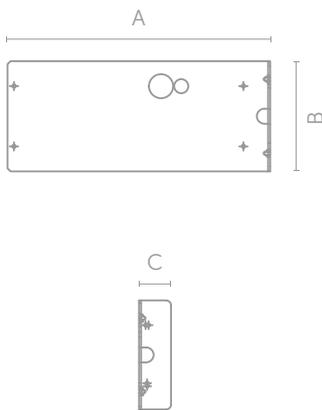




WALL BRACKET

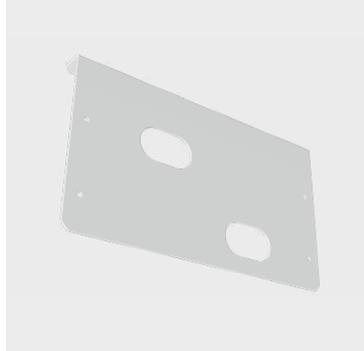
CODE: 1906 – EXIT S
 1907 – EXIT M / EXIT M DS
 1908 – EXIT L

DIMENSIONS [mm]



Dimensions (mm): (AxBxC):
 EXIT S: 202x121x26
 EXIT M: 250x142x33
 EXIT L: 300x172x33

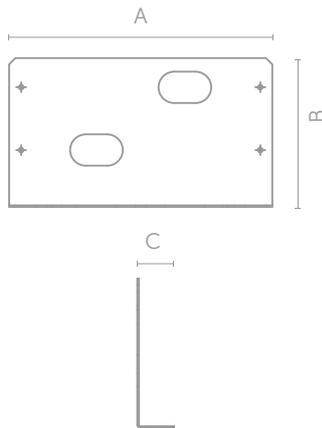
FITS TO EXIT S, M, L



CEILING BRACKET

CODE: 1903 – EXIT S
 1904 – EXIT M / EXIT M DS
 1905 – EXIT L

DIMENSIONS [mm]



Dimensions (mm): (AxBxC):
 EXIT S: 202x121x26
 EXIT M: 250x142x33
 EXIT L: 300x172x33

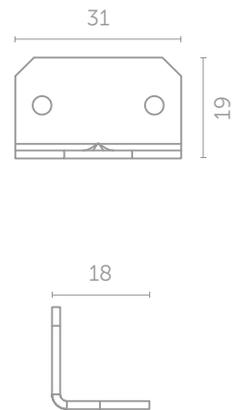
FITS TO EXIT S, M, L



ACCESSORY FOR ROPE SUSPENSION (SET)

CODE: ET/ALIN

DIMENSIONS [mm]



FITS TO EXIT M, L

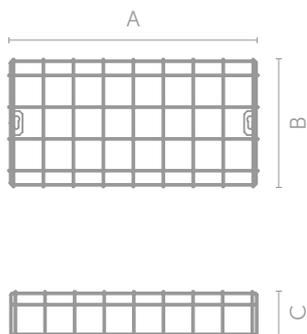




WIRE GUARD

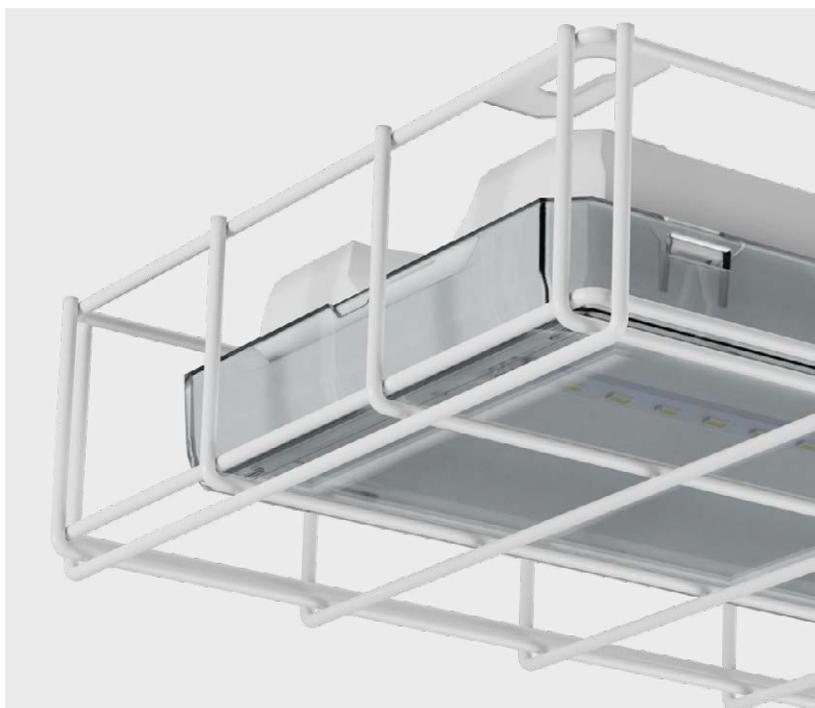
CODE: 1012 – EXIT S
1013 – EXIT M
1014 – EXIT L

DIMENSIONS [mm]



Dimensions: (AxBxC):
EXIT S: 255x145x60
EXIT M: 305x200x60
EXIT L: 415x215x75

FITS TO EXIT S, M, L



IK family





IK



IK B

p. 198



IK B

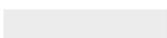
p. 202

High ingress protection

IK2 W series is a special emergency or escape-sign luminaire for surface wall/ceiling mounting. The luminaire is made of high-quality components using highly efficient light sources with above-average parameters in terms of luminous fluxes as well as visibility and uniform pictogram backlight. High ingress protection (IP65) and impact resistance (IK10) including a wide selection of versions make it an ideal choice for communication routes, tunnels, as well as public transport stations.

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



RAL 9005

CLOSE UP





IK B

AC
220-240V
50-60Hz

DC
176-275V

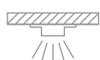
DC
24V

DC
48V

LED

IP65

IK10



MATERIALS

White, grey or black stainless steel body • Transparent polycarbonate cover

MOUNTING

Surface • Optionally recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

6W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP65, IK10

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C • t_a: -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a: -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR		
				1	3	SE	SA	AT	RU	RD	WH	GR	BL	
	IKB	6W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

PREMIUM	OUTPUT [lm]	
	POWER	IKB
	6W	850

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IKB	6W	F	CB	CBS	X	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	IKB
6W	850

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IKB	6W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	IKB
6W	850

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR		
IKB	6W	FZLV	FZLV2	WH	GR	BL

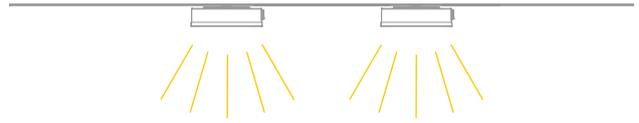
OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	IKB
6W	850

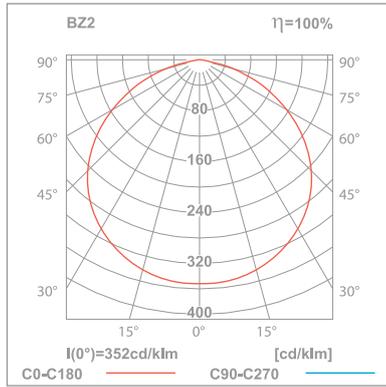
LEGEND:

IKB	fixture IK B	FZLV2	central battery FZLV II 48 VDC
B	electronic gear for PREMIUM self-contained fittings	CB	central battery version
F	electronic gear for central battery fittings	CBS	central battery for circuit monitoring
Z	electronic gear for addressable central battery fittings	ADP	address module for CBS 1.0 – SMART technology
SE	non maintained	ADE	address module for CBS 2.0 – SMART technology
SA	maintained	WH	white color
PT	manual test button	GR	grey color
X	fitting without additional options	BL	black color
AT	autotest		
RU	Rubic UNA central monitoring		
RD	DALI central monitoring		
FZLV	central battery FZLV 24 VDC		

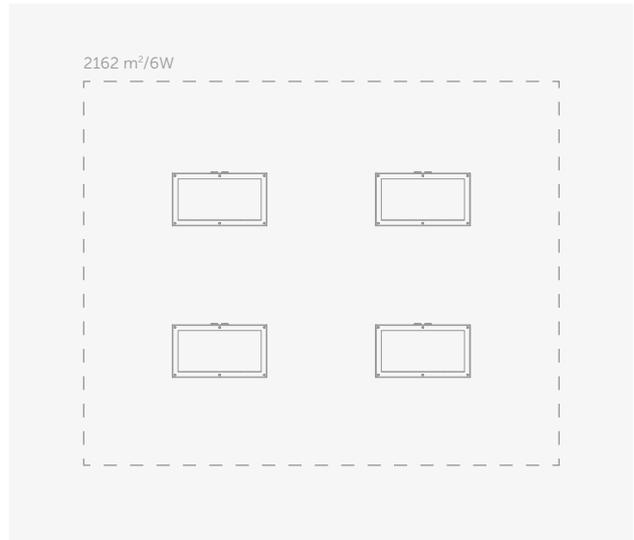
IK B EXAMPLE OF PHOTOMETRY



Optic for open area



simulation for four luminaires and min 0,5 lx (area)



IK B

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP65

IK10



MATERIALS

White, grey or black stainless steel body • Transparent polycarbonate cover

MOUNTING

Surface • Optionally recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP65, IK10

VIEWING DISTANCE

30 m

VIEWING METHOD

Single sided

AMBIENT TEMPERATURE

Self-contained: t_a : 0°C ÷ 40°C • t_a : -25°C ÷ 40°C – together with heater for low temperatures
Central battery: t_a : -25°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Optional adaptation of the fixture for low temperatures up to -25°C with HTR 25 • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting • ⁽²⁾ select 1pc of pictogram number from datasheet Pictograms

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR			PICTOGRAM
				1	3	SE	SA	PT	AT	RU	RD	WH	GR	BL	
	IKB	2W	B	1	3	SE	SA	PT	AT	RU	RD	WH	GR	BL	XX

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
IKB	2W	F	CB	CBS	X	WH	GR	BL	XX

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

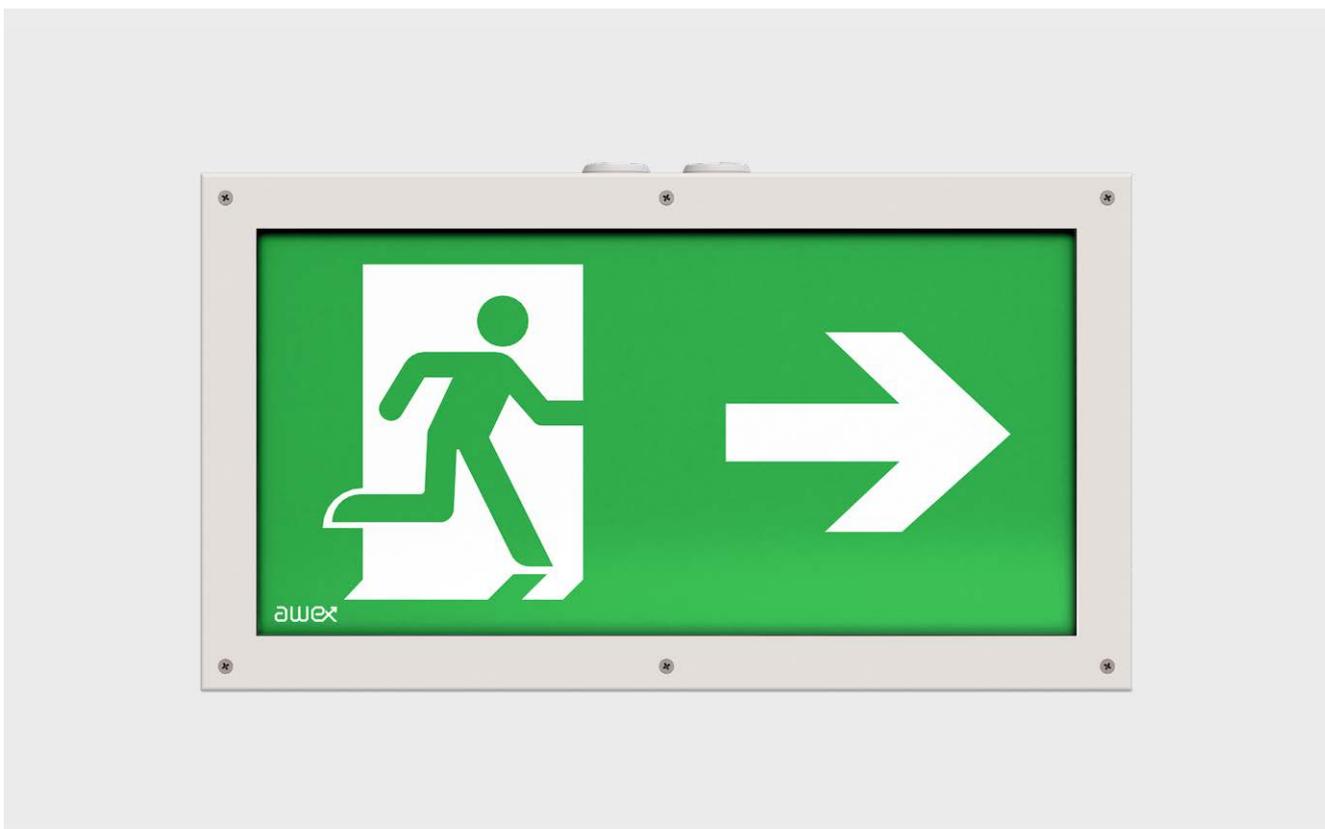
CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
IKB	2W	Z	CB	ADE	ADP	WH	GR	BL	XX

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR			PICTOGRAM
IKB	2W	FZLV	FZLV2	WH	GR	BL	XX

LEGEND:

- IKB fixture IK B
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color
- XX pictograms ID (e.g. 21)



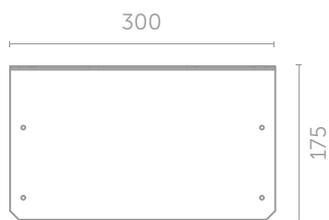
IK accessories



CEILING BRACKET

CODE: 2948/WH
2948/GR
2948/BL

DIMENSIONS [mm]



35



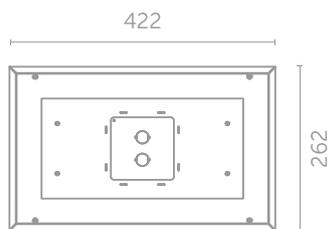
FITS TO IK B



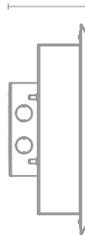
CONCRETE BOX

CODE: IKB/RWC/WH
IKB/RWC/GR
IKB/RWC/BL

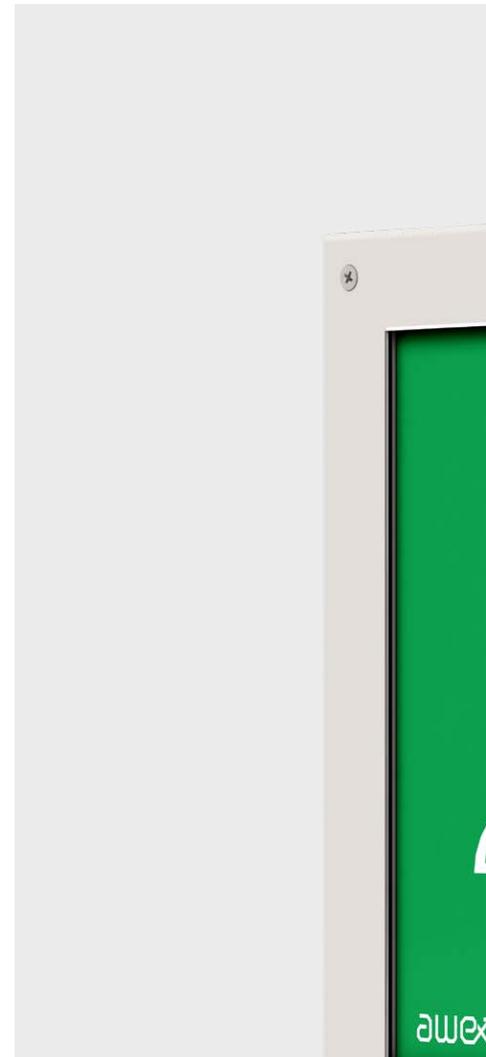
DIMENSIONS [mm]



95



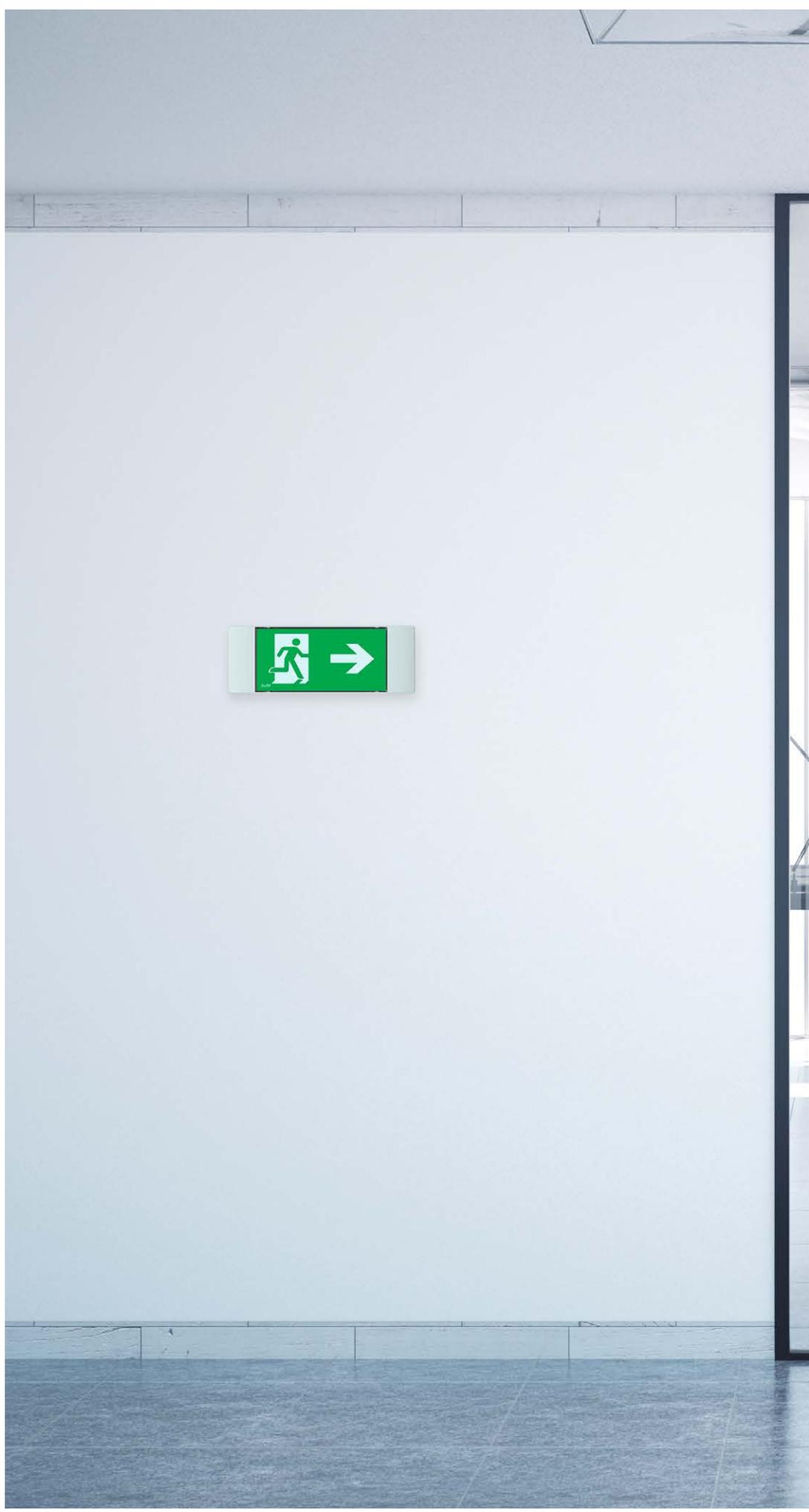
FITS TO IK B



awex



WONDER family





WONDER



WONDER

p. 210



WONDER

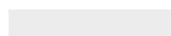
p. 212

Quality and efficiency

Wonder family is an emergency luminaire designed for on-ceiling mounting inside buildings. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of luminous fluxes. It is often used in office spaces, communication routes and social rooms.

COLOURS

White



RAL 9003

CLOSE UP





WONDER



AC
220-240V
50-60Hz

LED

IP20

IK08



MATERIALS

White polycarbonate body
Opal or transparent polycarbonate cover

MOUNTING

Surface
Optionally recessed ⁽¹⁾
Optionally recessed in concret ⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz

LIGHT SOURCE

1W, 2W, 3W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 24h

AUTONOMY AND BATTERIES

1h or 3h, 3,6V batteries

INSULATION CLASS

II

IP & IK RATING

IP20, IK08

AMBIENT TEMPERATURE

t_a : 0°C ÷ 40°C

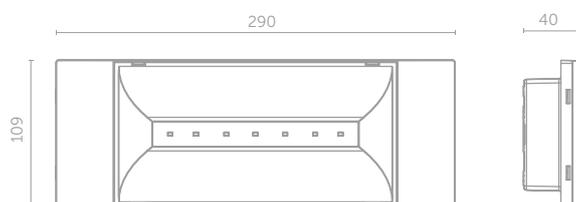
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Optional connection to Inhibit or Telecomando • ⁽¹⁾ see accessory for recessed mounting • ⁽²⁾ see accessory for concret mounting

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

STANDARD	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		COLOR
				1	3	SE	SA	PT	X	
STANDARD	WND	1W	C	1	3	SE	SA	PT	X	WT
		2W	C	1	3	SE	SA	PT	X	WT
		3W	C	1	3	SE	SA	PT	X	WT

OUTPUT IN EMERGENCY MODE [lm]

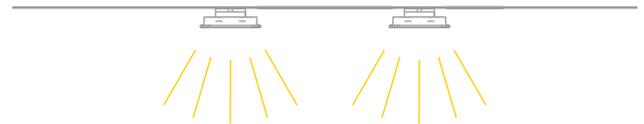
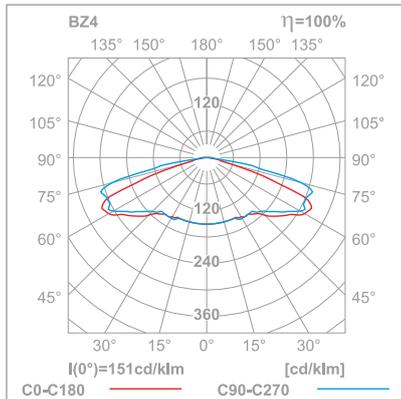
STANDARD	POWER	OUTPUT
STANDARD	1W	170
STANDARD	2W	290
STANDARD	3W	390

LEGEND:

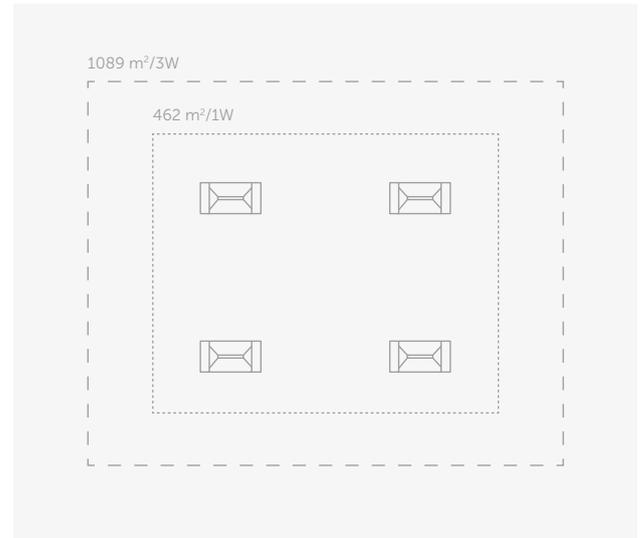
- WND fitting WONDER with optics for open area
- C electronic gear for STANDARD self-contained fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- WT white body and transparent cover

WONDER EXAMPLE OF PHOTOMETRY

Optic for open area



simulation for four luminaires and min 0,5 lx (area)



WONDER



AC
220-240V
50-60Hz

LED

IP20

IK08



d=20m



MATERIALS

White polycarbonat body
Opal or transparent polycarbonat cover

MOUNTING

Surface
Optionally recessed ⁽¹⁾
Optionally recessed in concret ⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz

LIGHT SOURCE

1W, 2W, 3W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 24h

AUTONOMY AND BATTERIES

1h or 3h, 3,6V batteries

INSULATION CLASS

II

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

20 m

VIEWING METHOD

Single sided or double-sided ⁽³⁾

AMBIENT TEMPERATURE

t_g: 0°C ÷ 40°C

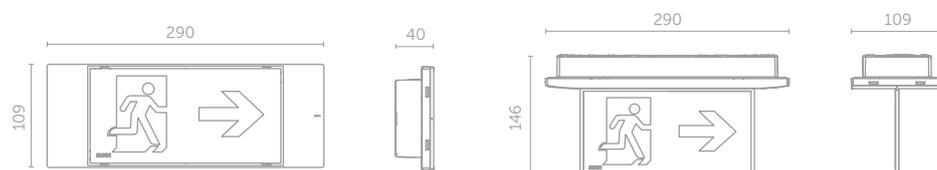
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Optional connection to Inhibit or Telecomando • ⁽¹⁾ see accessory for recessed mounting • ⁽²⁾ see accessory for concret mounting • ⁽³⁾ see accessory for two-sided pictogram • ⁽⁴⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽⁴⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS		COLOR	
				1	3	SE	SA	PT	X	WT	WO
STANDARD	WND WDO	1W	C	1	3	SE	SA	PT	X	WT	WO
		2W	C	1	3	SE	SA	PT	X	WT	WO
		3W	C	1	3	SE	SA	PT	X	WT	WO

LEGEND:

- WND fitting WONDER for double-sided plexi glass
- WDO fitting WONDER with optic
- C electronic gear for STANDARD self-contained fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- WT white body and transparent cover
- WO white body and opal cover



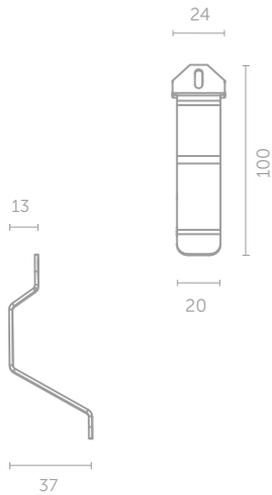
WONDER accessories



ACCESSORY FOR RECESSED MOUNTING (SET)

CODE: WND/REC

DIMENSIONS [mm]



FITS TO WONDER (WND, WND0)



CONCRETE BOX

CODE: WND/RWC

DIMENSIONS [mm]



FITS TO WONDER (WND, WND0)

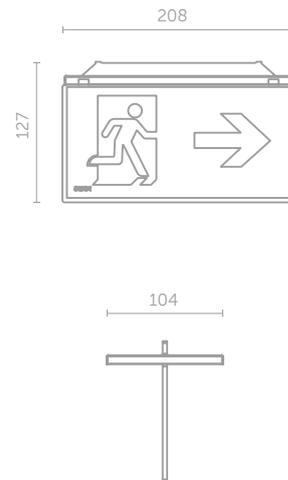


PLEXI GLASS (SET)

CODE: WND/PLX

* 1PC OF UNIVERSAL PICTOGRAM IS INCLUDED IN EACH SINGLE BOX

DIMENSIONS [mm]



FITS TO WONDER (WND)

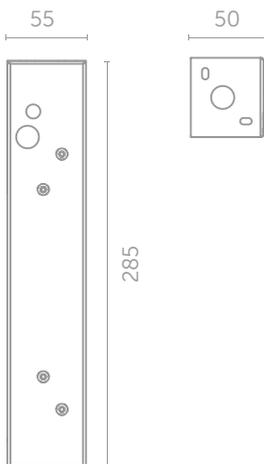




WALL BRACKET

CODE: 1909

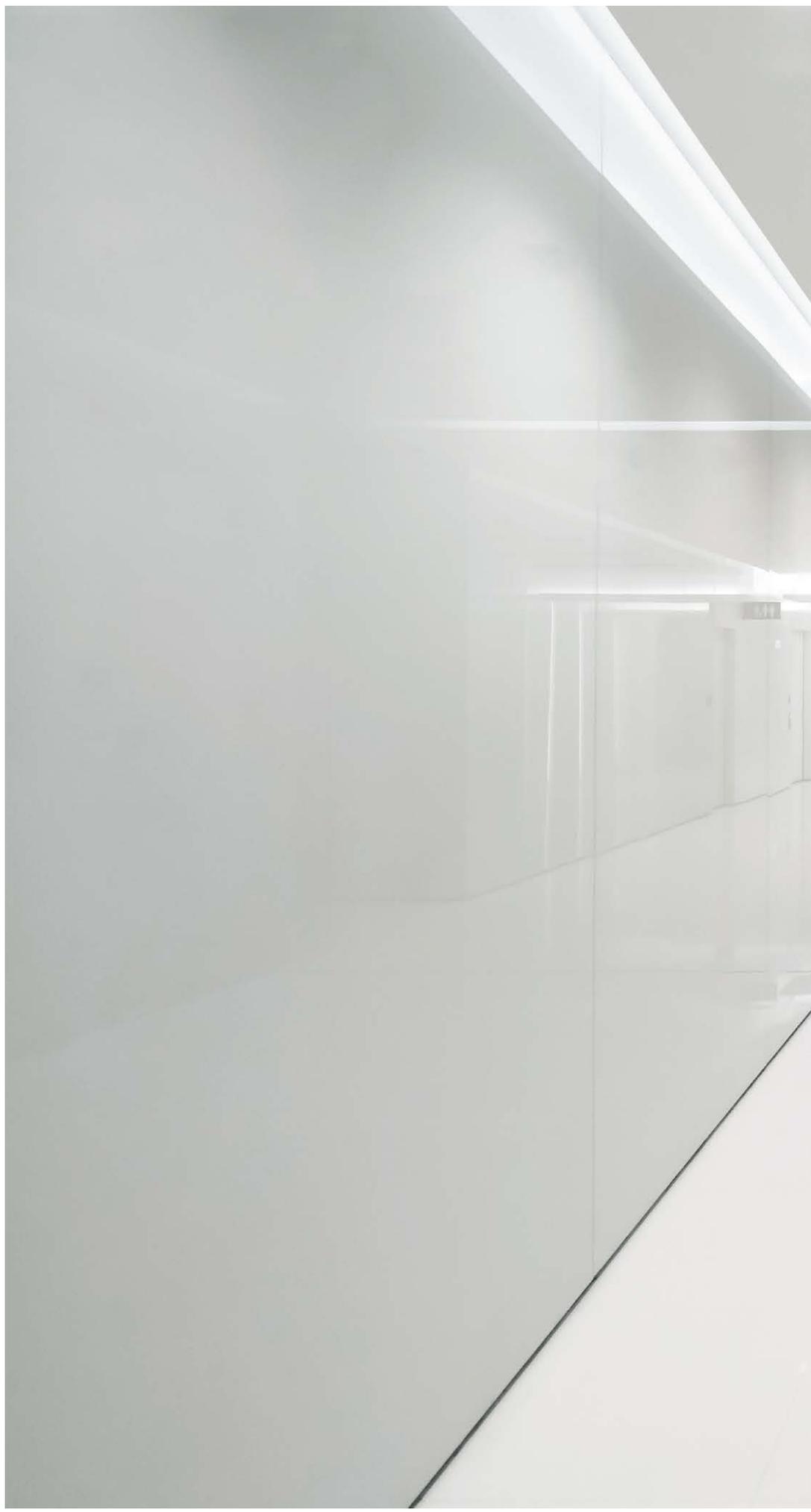
DIMENSIONS [mm]



FITS TO WONDER (WND)



ARROW family





ARROW



ARROW N

p. 220



ARROW N

p. 224



ARROW P

p. 226

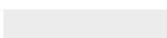


ARROW P

p. 230

COLOURS

White



RAL 9003

Grey



RAL 7045

Black



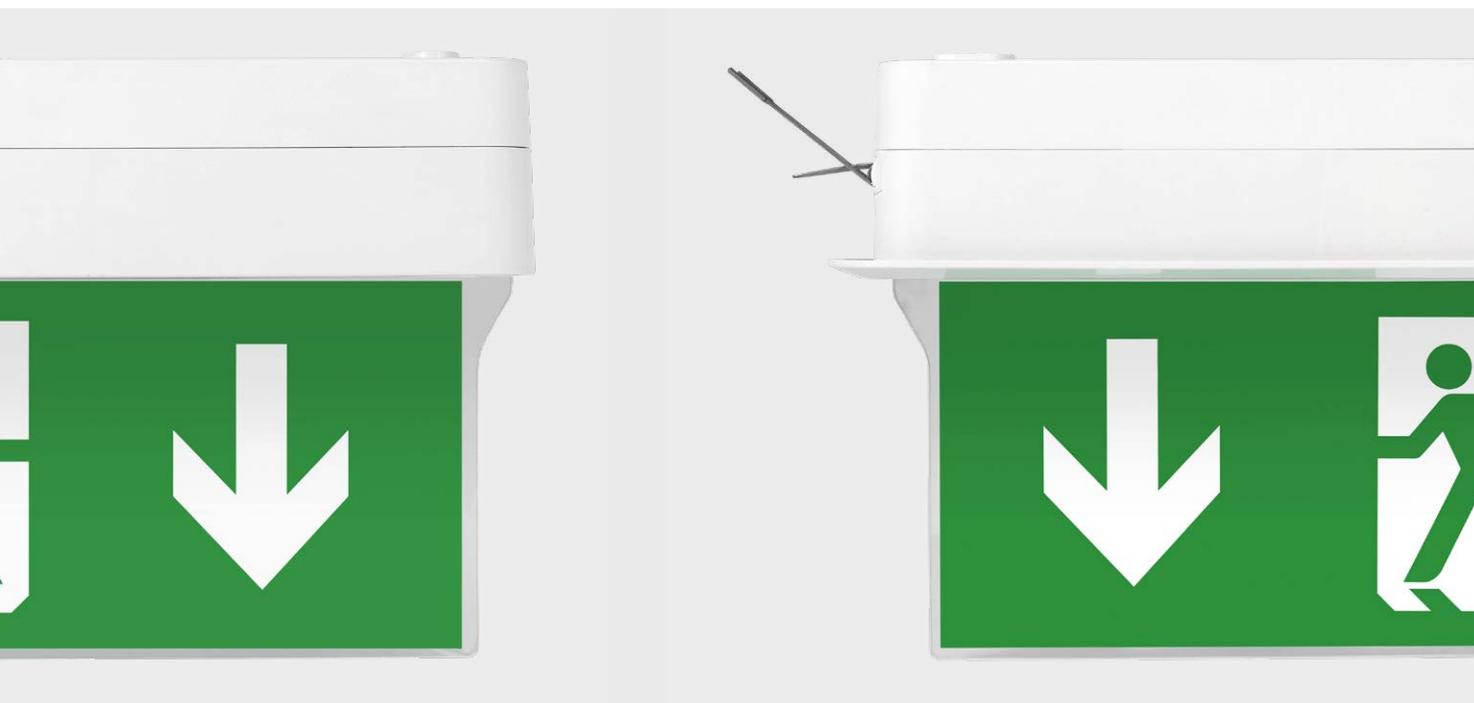
RAL 9005

Slim design

ARROW series is a universal line of emergency/escape-sign luminaires designed for surface and flush mounting inside buildings. The luminaire is made of high-quality components using highly efficient light sources with above-average parameters in terms of luminous fluxes as well as visibility and uniform pictogram backlight. Communication routes where 25m viewing distance should be covered requires this type of luminaire.



CLOSE UP



ARROW N



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS	White, grey or black polycarbonate body • Transparent polycarbonate cover
MOUNTING	Surface • Surface on a rope sling ⁽¹⁾
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 3x1W LED Optics: S – without optics • O – open area • C – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP40, IK08
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for mounting on a rope sling
DIMENSIONS [mm]	



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ARNS	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1		SE	SA	PT	AT	X	WH	GR	BL	
	ARNO ARNC	3x1W	E C	1		SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ARNS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
	ARNO ARNC	3x1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ARNS	ARNO	ARNC
STANDARD	1W	155	X	X
	2W	235	X	X
	3x1W	X	325	325
PREMIUM	1W	165	X	X
	2W	290	X	X
	3W	365	X	X
	3x1W	X	395	395

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
ARNS	1W	F	CB	CBS X	WH GR BL
	2W	F	CB	CBS X	WH GR BL
	3W	F	CB	CBS X	WH GR BL
ARNO ARNC	3x1W	F	CB	CBS X	WH GR BL

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]			
POWER	ARNS	ARNO	ARNC
1W	165	X	X
2W	290	X	X
3W	395	X	X
3x1W	X	395	395

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
ARNS	1W	Z	CB	ADE ADP	WH GR BL
	2W	Z	CB	ADE ADP	WH GR BL
	3W	Z	CB	ADE ADP	WH GR BL
ARNO ARNC	3x1W	Z	CB	ADE ADP	WH GR BL

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]			
POWER	ARNS	ARNO	ARNC
1W	165	X	X
2W	290	X	X
3W	395	X	X
3x1W	X	395	395

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
ARNS	1W	FZLV	FZLV2 WH GR BL
	2W	FZLV	FZLV2 WH GR BL
	3W	FZLV	FZLV2 WH GR BL
ARNO ARNC	3x1W	FZLV	FZLV2 WH GR BL

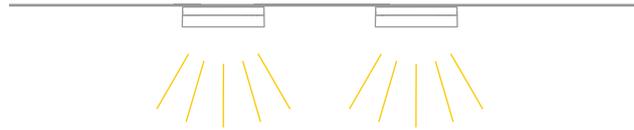
OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]			
POWER	ARNS	ARNO	ARNC
1W	165	X	X
2W	290	X	X
3W	395	X	X
3x1W	X	395	395

LEGEND:

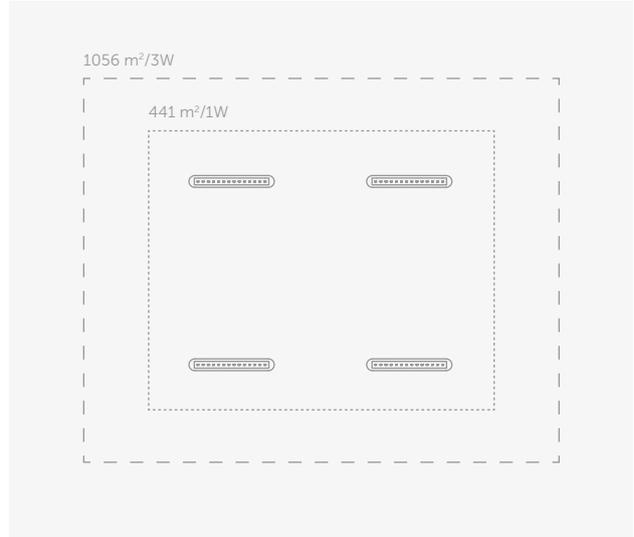
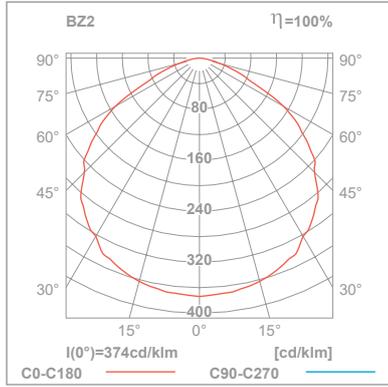
ARNS	fixture ARROW N without optics	Z	electronic gear for addressable central battery fittings	FZLV	central battery FZLV 24 VDC
ARNO	fixture ARROW N with optics for open area	SE	non maintained	FZLV2	central battery FZLV II 48 VDC
ARNC	fixture ARROW N with optics for escape route	SA	maintained	CB	central battery version
E, C	electronic gear for STANDARD self-contained fittings	PT	manual test button	CBS	central battery for circuit monitoring
B	electronic gear for PREMIUM self-contained fittings	X	fitting without additional options	ADP	address module for CBS 1.0 – SMART technology
F	electronic gear for central battery fittings	AT	autotest	ADE	address module for CBS 2.0 – SMART technology
		RU	Rubic UNA central monitoring	WH	white color
		RW	Rubic UNA Wireless central monitoring	GR	grey color
		RD	DALI central monitoring	BL	black color

ARROW N EXAMPLE OF PHOTOMETRY



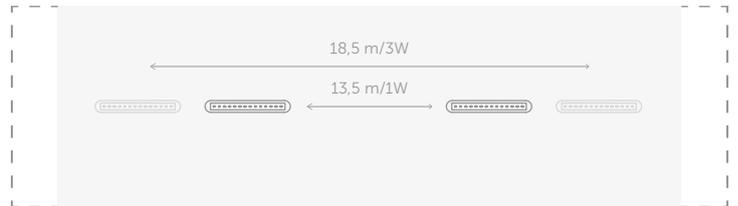
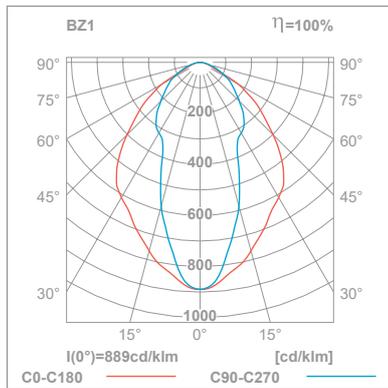
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic C for escape route

simulation for two luminaires and min 1 lx (distance)





ARROW N



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



d=25m



Ni-Cd



LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Surface • Surface on a rope sling ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

25 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for mounting on a rope sling • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ARN	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1		SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ARN	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
					CBS	X	WH	GR	BL
ARN	1W	F		CB	CBS	X	WH	GR	BL
	2W	F		CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
					ADE	ADP	WH	GR	BL
ARN	1W	Z		CB	ADE	ADP	WH	GR	BL
	2W	Z		CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM	SYSTEM		COLOR		
				FZLV	FZLV2	WH	GR	BL
ARN	1W		FZLV		FZLV2	WH	GR	BL
	2W		FZLV		FZLV2	WH	GR	BL

LEGEND:

ARN	fixture ARROW N
E, C	electronic gear for STANDARD self-contained fittings
B	electronic gear for PREMIUM self-contained fittings
F	electronic gear for central battery fittings
Z	electronic gear for addressable central battery fittings
SE	non maintained
SA	maintained
PT	manual test button
X	fitting without additional options
AT	autotest
RU	Rubic UNA central monitoring
RW	Rubic UNA Wireless central monitoring
RD	DALI central monitoring
FZLV	central battery FZLV 24 VDC
FZLV2	central battery FZLV II 48 VDC
CB	central battery version
CBS	central battery for circuit monitoring
ADP	address module for CBS 1.0 – SMART technology
ADE	address module for CBS 2.0 – SMART technology
WH	white color
GR	grey color
BL	black color



ARROW P



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS	White, grey or black polycarbonate body • Transparent polycarbonate cover
MOUNTING	Recessed
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W, 3x1W LED Optics: S – without optics • O – open area • C – escape route Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP40, IK08
AMBIENT TEMPERATURE	Self-contained: t ₂ : 0°C ÷ 40°C Central battery: t ₃ : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version
DIMENSIONS [mm]	



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR		
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	ARPS	1W	E C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	E C	1		SE	SA	PT	AT	X	WH	GR	BL	
	ARPO ARPC	3x1W	E C	1		SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	ARPS	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
		3W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	
	ARPO ARPC	3x1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL	

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				CBS	X	WH	GR	BL
ARPS	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL
	3W	F	CB	CBS	X	WH	GR	BL
ARPO ARPC	3x1W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
ARPS	1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	2W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
	3W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL
ARPO ARPC	3x1W	Z	CB	ADE <td>ADP</td> <td>WH</td> <td>GR</td> <td>BL</td>	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR			
			WH	GR	BL	
ARPS	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL
	3W	FZLV	FZLV2	WH	GR	BL
ARPO ARPC	3x1W	FZLV	FZLV2	WH	GR	BL

LEGEND:

ARPS	fixture ARROW P without optics	Z	electronic gear for addressable central battery fittings	CB	central battery version
ARPO	fixture ARROW P with optics for open area	SE	non maintained	CBS	central battery for circuit monitoring
ARPC	fixture ARROW P with optics for escape route	SA	maintained	ADP	address module for CBS 1.0 – SMART technology
E, C	electronic gear for STANDARD self-contained fittings	PT	manual test button	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	X	fitting without additional options	WH	white color
F	electronic gear for central battery fittings	AT	autotest	GR	grey color
		RU	Rubic UNA central monitoring	BL	black color
		RD	DALI central monitoring		
		FZLV	central battery FZLV 24 VDC		
		FZLV2	central battery FZLV II 48 VDC		

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ARPS	ARPO	ARPC
STANDARD	1W	155	X	X
	2W	235	X	X
	3x1W	X	325	325
PREMIUM	1W	165	X	X
	2W	290	X	X
	3W	365	X	X
	3x1W	X	395	395

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ARPS	ARPO	ARPC
ARPS	1W	165	X	X
	2W	290	X	X
	3W	395	X	X
ARPO ARPC	3x1W	X	395	395

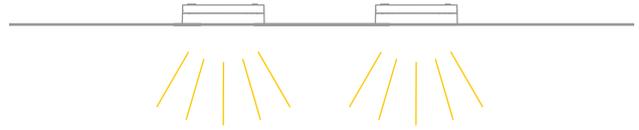
OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]			
	POWER	ARPS	ARPO	ARPC
ARPS	1W	165	X	X
	2W	290	X	X
	3W	395	X	X
ARPO ARPC	3x1W	X	395	395

OUTPUT IN EMERGENCY MODE [lm]

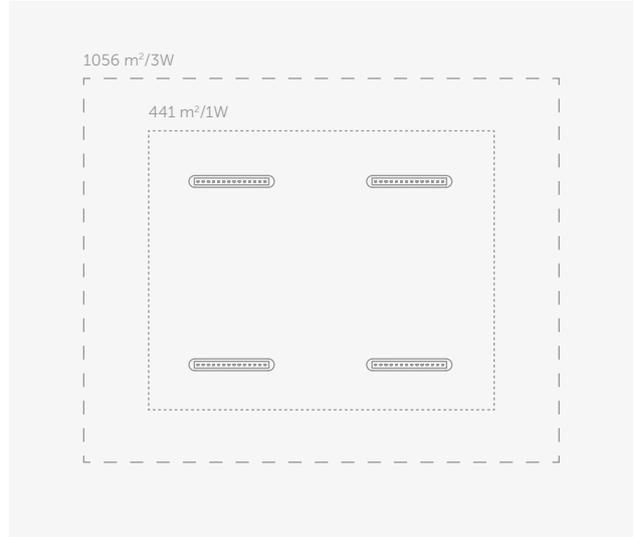
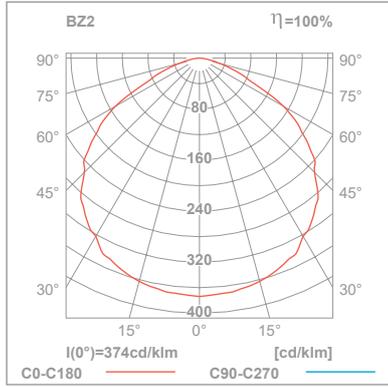
	OUTPUT [lm]			
	POWER	ARPS	ARPO	ARPC
ARPS	1W	165	X	X
	2W	290	X	X
	3W	395	X	X
ARPO ARPC	3x1W	X	395	395

ARROW P EXAMPLE OF PHOTOMETRY



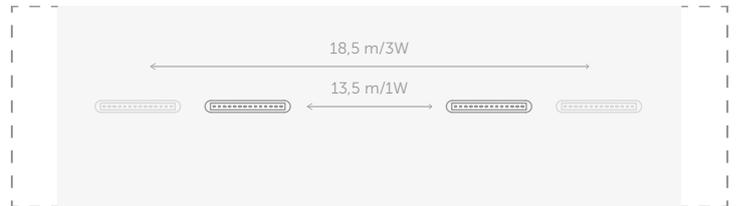
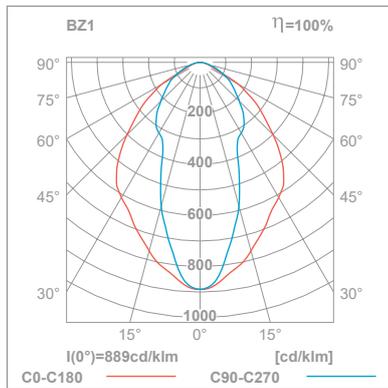
Optic O for open area

simulation for four luminaires and min 0,5 lx (area)



Optic C for escape route

simulation for two luminaires and min 1 lx (distance)





ARROW P



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



d=25m



Ni-Cd



LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Recessed

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

25 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RD – DALI central monitoring • FZLV – central battery
FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽¹⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR		
				1	3	SE	SA	PT	AT	X	WH	GR	BL
STANDARD	ARP	1W	EC	1	3	SE	SA	PT	AT	X	WH	GR	BL
		2W	EC	1		SE	SA	PT	AT	X	WH	GR	BL
PREMIUM	ARP	1W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RD	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ARP	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
ARP	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
ARP	1W	FZLV FZLV2	WH GR BL
	2W	FZLV FZLV2	WH GR BL

LEGEND:

- ARP fixture ARROW P
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color



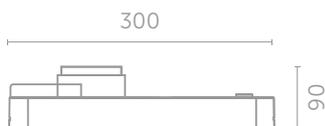
ARROW accessories



TRACK LIGHTING INSTALLATION ACCESSORY (SET)

CODE: ARN/EUT/WH
ARN/EUT/GR
ARN/EUT/BL

DIMENSIONS [mm]



FITS TO ARROW N



SUSPENSION ROPES

CODE: 1006/WH
1006/GR
1006/BL

DIMENSIONS [mm]



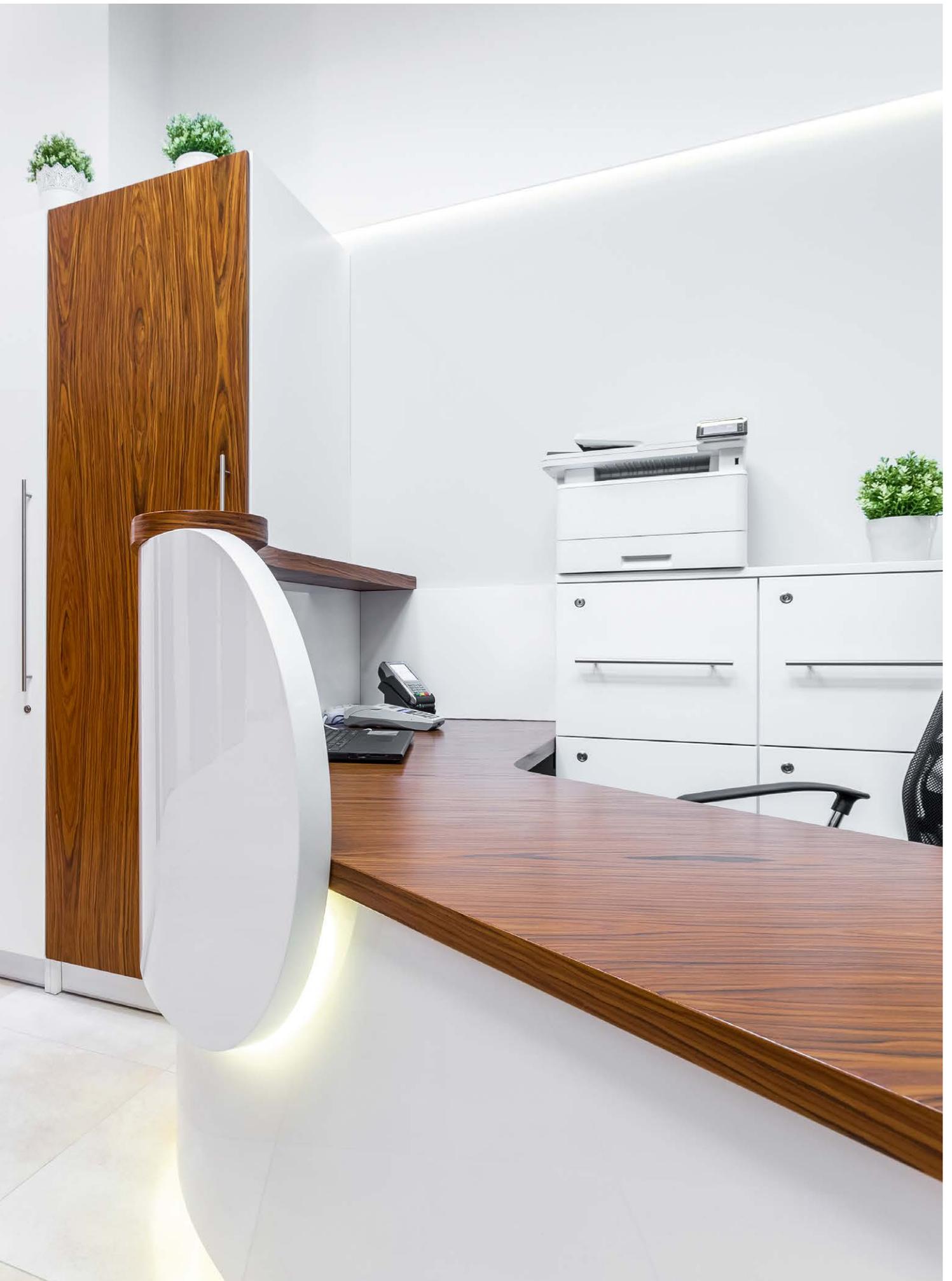
FITS TO ARROW N





TIGER LED family





TIGER LED



TIGER LED

p. 238



TIGER LED

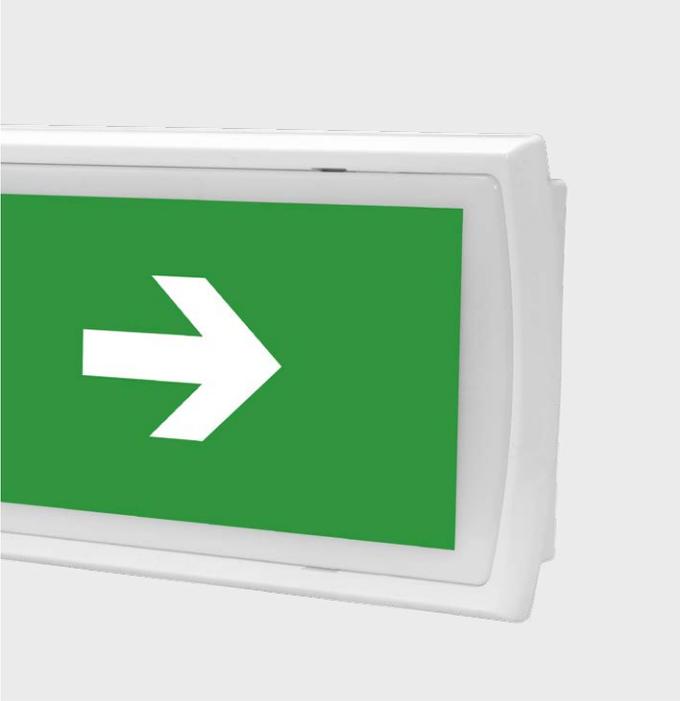
p. 242



TIGER DS LED

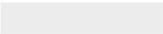
p. 244

CLOSE UP



COLOURS

White



RAL 9003

Quality and excellence

TIGER series is an emergency or escape-sign luminaire designed for flush or surface mounting inside buildings. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of luminous fluxes. It is often used in staff communication routes, staff toilets and back door rooms.



TIGER LED



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP22

IK08

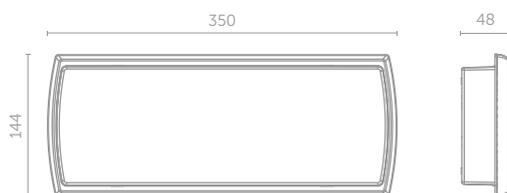


KM 618355
BS-EN 60598-2-22



MATERIALS	White polycarbonate body • Transparent polycarbonate cover
MOUNTING	Surface
POWER SUPPLY	Self contained – 220 - 240VAC/50 - 60Hz Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC Central battery FZLV II – 48VDC Central battery FZLV – 24VDC
LIGHT SOURCE	1W, 2W, 3W LED Colour temperature: 6000K Lifetime: 50000h
CHARGING	Standard: max. 24h Premium: max. 12h; energy-saving electronic charger
AUTONOMY AND BATTERIES	Standard: 1h or 3h, Ni-Cd 3,6V batteries Premium: 1h or 3h, LiFePO ₄ 6,4V batteries
INSULATION CLASS	II or III
IP & IK RATING	IP22, IK08
AMBIENT TEMPERATURE	Self-contained: t _a : 0°C ÷ 40°C Central battery: t _a : 0°C ÷ 50°C
OPTIONS	SE – non maintained • SA – maintained • AT – autotest • PT – manual test button • RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring • RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery
ADDITIONAL INFORMATION	LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • Possible to under plastering mounting by clips set's 1010

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
STANDARD	TL	1W	E C	1	3	SE	SA	PT	AT	X	TR	
		2W	E C	1	3	SE	SA	PT	AT	X	TR	
		3W	E C	1	3	SE	SA	PT	AT	X	TR	
PREMIUM	TL	1W	B	1	3	SE	SA	AT	RU	RW	RD	TR
		2W	B	1	3	SE	SA	AT	RU	RW	RD	TR
		3W	B	1	3	SE	SA	AT	RU	RW	RD	TR

OUTPUT IN EMERGENCY MODE [lm]

	POWER	OUTPUT [lm]
STANDARD	1W	165
	2W	265
	3W	385
PREMIUM	1W	180
	2W	320
	3W	395

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
TL	1W	F	CB	CBS X	TR
	2W	F	CB	CBS X	TR
	3W	F	CB	CBS X	TR

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]
1W	180
2W	320
3W	395

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR
TL	1W	Z	CB	ADE ADP	TR
	2W	Z	CB	ADE ADP	TR
	3W	Z	CB	ADE ADP	TR

OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]
1W	180
2W	320
3W	395

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
TL	1W	FZLV FZLV2	TR
	2W	FZLV FZLV2	TR
	3W	FZLV FZLV2	TR

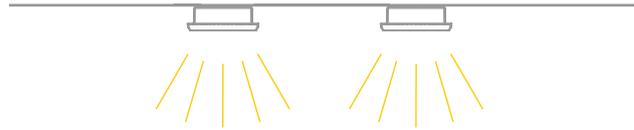
OUTPUT IN EMERGENCY MODE [lm]

POWER	OUTPUT [lm]
1W	180
2W	320
3W	395

LEGEND:

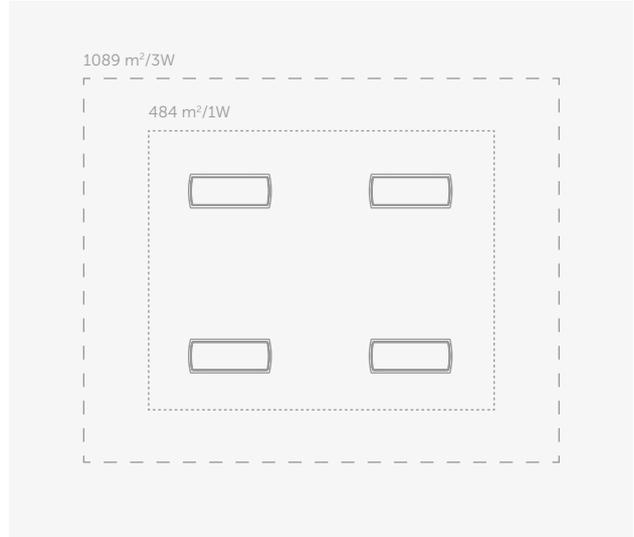
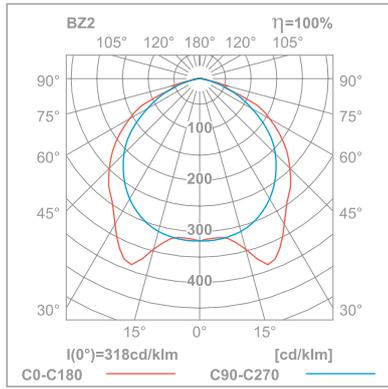
TL	fixture TIGER LED	RD	DALI central monitoring
E, C	electronic gear for STANDARD self-contained fittings	FZLV	central battery FZLV 24 VDC
B	electronic gear for PREMIUM self-contained fittings	FZLV2	central battery FZLV II 48 VDC
F	electronic gear for central battery fittings	CB	central battery version
Z	electronic gear for addressable central battery fittings	CBS	central battery for circuit monitoring
SE	non maintained	ADP	address module for CBS 1.0 – SMART technology
SA	maintained	ADE	address module for CBS 2.0 – SMART technology
PT	manual test button	TR	transparent polycarbonate cover
X	fitting without additional options		
AT	autotest		
RU	Rubic UNA central monitoring		
RW	Rubic UNA Wireless central monitoring		

TIGER LED EXAMPLE OF PHOTOMETRY



Optic for open area

simulation for four luminaires and min 0,5 lx (area)





TIGER LED



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP22

IK08



d=20m



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonate body • Opal polycarbonate cover

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP22, IK08

VIEWING DISTANCE

20 m

VIEWING METHOD

Single sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

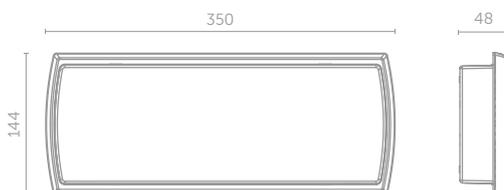
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signals mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ 1pc of universal pictogram is included in each single box • Possible to under plastering mounting by clips set's 1010

DIMENSIONS [mm]



⁽¹⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
				1	3	SE	SA	PT	AT	X		
STANDARD	TL	1W	E C	1	3	SE	SA	PT	AT	X	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	OP	
PREMIUM	TL	1W	B	1	3	SE	SA	AT	RU	RW	RD	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
TL	1W	F	CB	CBS	X	OP
	2W	F	CB	CBS	X	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
TL	1W	Z	CB	ADE	ADP	OP
	2W	Z	CB	ADE	ADP	OP

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
TL	1W	FZLV	FZLV2	OP
	2W	FZLV	FZLV2	OP

LEGEND:

- TL fixture Tiger LED
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- OP opal polycarbonate cover



TIGER DS LED



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP22

IK08



d=20m



Ni-Cd



LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonate body • Opal polycarbonate cover

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP22, IK08

VIEWING DISTANCE

20 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

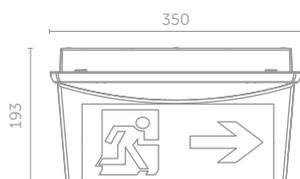
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ 1pc of universal pictogram is included in each single box • Possible to under plastering mounting by clips set's 1010

DIMENSIONS [mm]



⁽¹⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
				1	3	SE	SA	PT	AT	X		
STANDARD	TSL	1W	E C	1	3	SE	SA	PT	AT	X	OP	
		2W	E C	1	3	SE	SA	PT	AT	X	OP	
PREMIUM	TSL	1W	B	1	3	SE	SA	AT	RU	RW	RD	OP
		2W	B	1	3	SE	SA	AT	RU	RW	RD	OP

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
TSL	1W	F	CB	CBS	X	OP
	2W	F	CB	CBS	X	OP

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
TSL	1W	Z	CB	ADE	ADP	OP
	2W	Z	CB	ADE	ADP	OP

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
TSL	1W	FZLV	FZLV2	OP
	2W	FZLV	FZLV2	OP

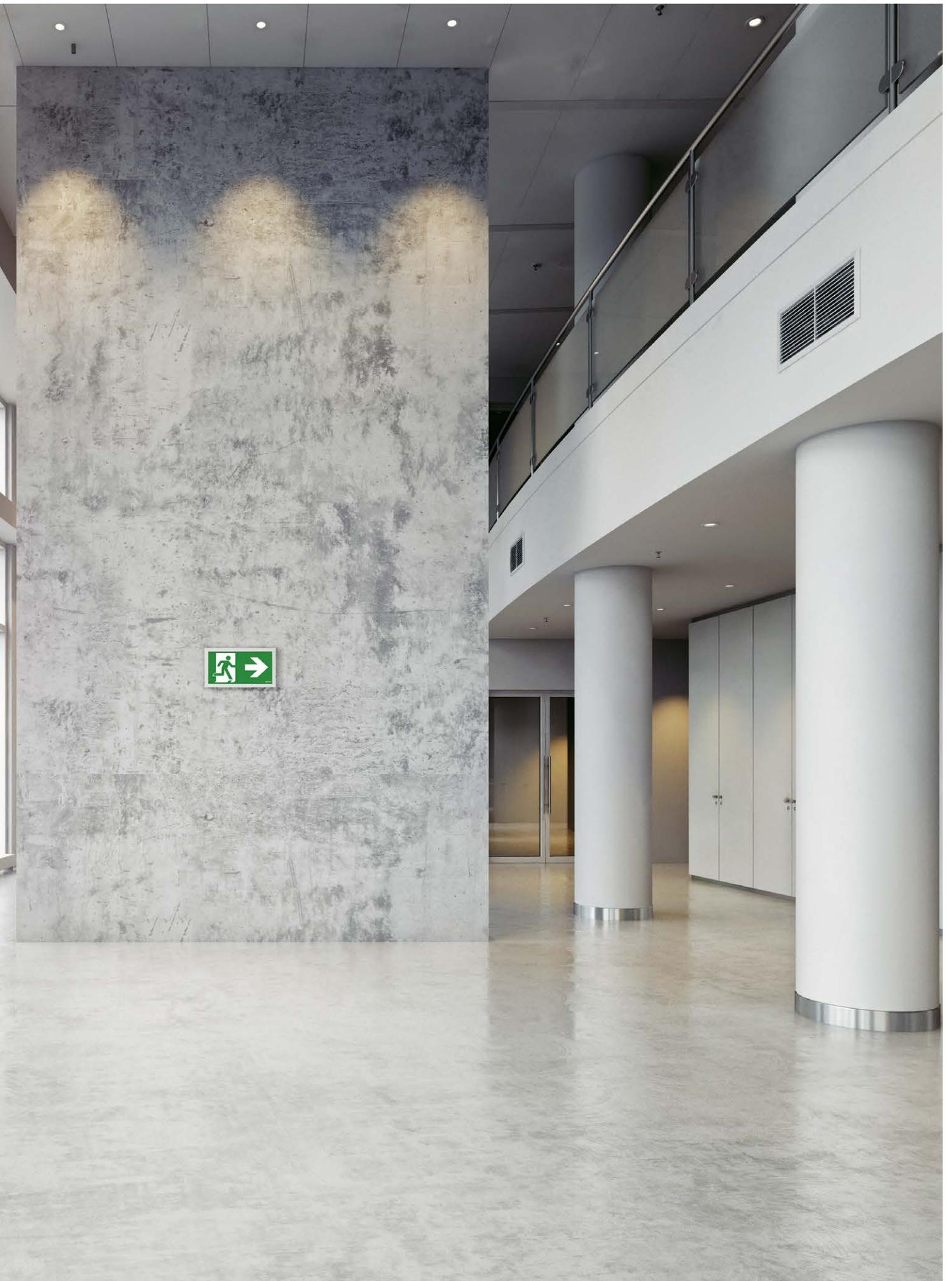
LEGEND:

- TSL fixture TIGER DS LED
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- OP opal polycarbonate cover

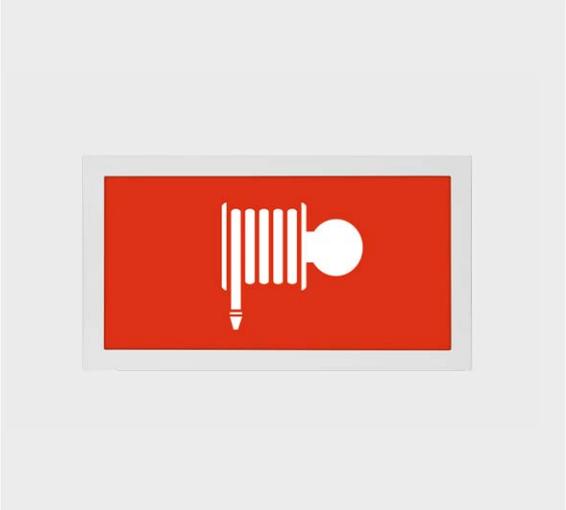


INFINITY II family



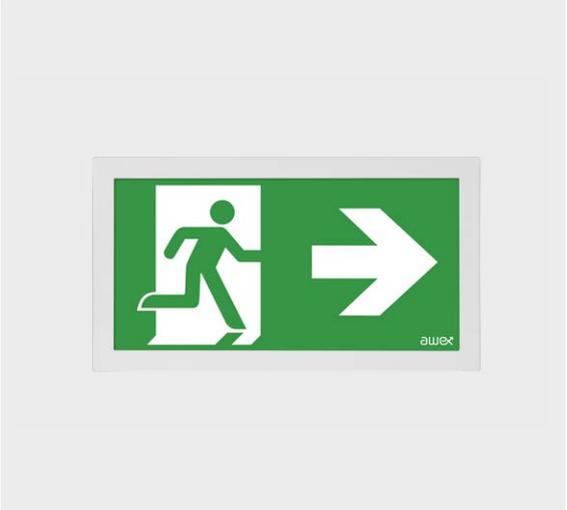


INFINITY II



INFINITY II

p. 250



INFINITY II B

p. 254



INFINITY II AC

p. 258



INFINITY II AW

p. 262



INFINITY II AL

p. 266

Minimalised design for all mounting options

INFINITY II series is a universal escape-sign luminaire for surface, flush or suspended mounting on any wall or ceiling. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of visibility and uniform pictogram backlight. The revolutionary technological solution of using additional light source allows the product to be used as both escape-sign luminaire and emergency luminaire. With its double function, the luminaire is particularly recommended to be used in the vicinity of any final exits and special places such as hydrants or first aid points to mark them and provide extra illumination.

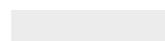


COLOURS

White

Grey

Black



RAL 9003

RAL 7045

RAL 9005

CLOSE UP



INFINITY II

AC
220-240V
50-60Hz

DC
176-275V

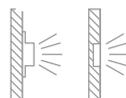
DC
24V

DC
48V

LED

IP40

IK08



d=30m



Ni-Cd

LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

3W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Single sided or double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

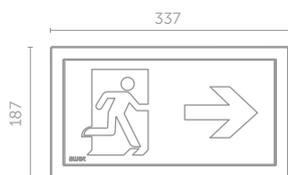
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • Fixture with floor illumination system
• ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR		
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	IF2BWD IF2AWD IF2ACD IF2ALD	3W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	IF2BWD IF2AWD IF2ACD IF2ALD	3W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	
STANDARD	3W	70
PREMIUM	3W	80

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS			COLOR		
				CBS	X	WH	GR	BL	
IF2BWD IF2AWD IF2ACD IF2ALD	3W	F	CB	CBS	X	WH	GR	BL	

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	
	3W	80

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
				ADE	ADP	WH	GR	BL
IF2BWD IF2AWD IF2ACD IF2ALD	3W	Z	CB	ADE	ADP	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	
	3W	80

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR			
			WH	GR	BL	
IF2BWD IF2AWD IF2ACD IF2ALD	3W	FZLV	FZLV2	WH	GR	BL

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	
	3W	80

*Output in emergency mode of IF2AWD, IF2ACD, IF2ALD is the same like IF2BWD

INFINITY II B



INFINITY II AW



INFINITY II AC



INFINITY II AL



LEGEND:

- IF2BWD fixture INFINITY II B one side with floor illumination
- IF2AWD fixture INFINITY II AW two side with floor illumination
- IF2ACD fixture INFINITY II AC two side with floor illumination
- IF2ALD fixture INFINITY II AL two side with floor illumination
- C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings

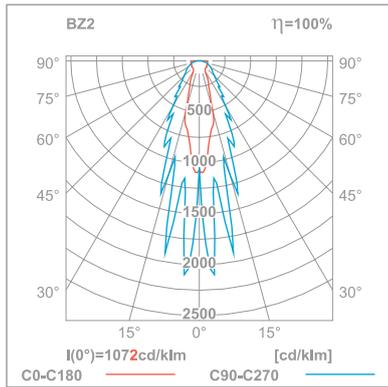
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC

- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color

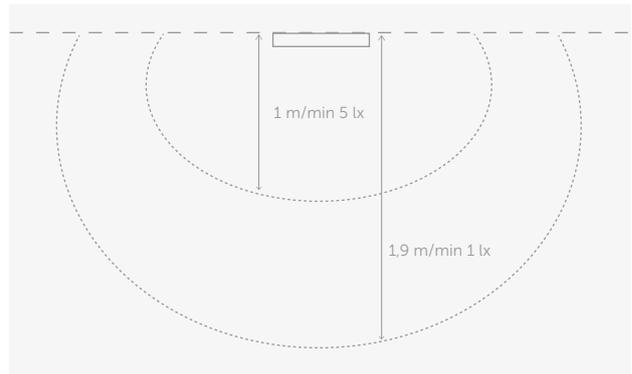
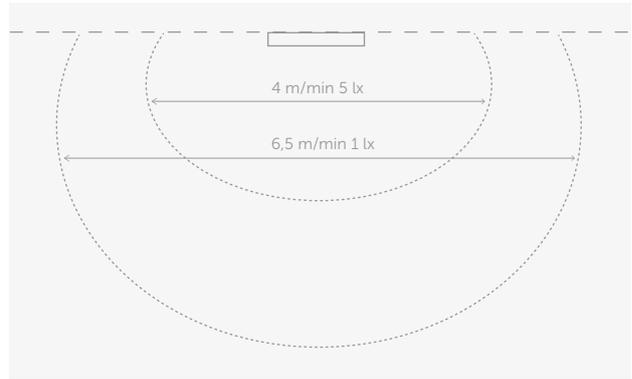
INFINITY II EXAMPLE OF PHOTOMETRY



Optic for open area



simulation for one luminaire and min 1 lx and 5 lx (area)





INFINITY II B



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



d=30mm



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Single sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

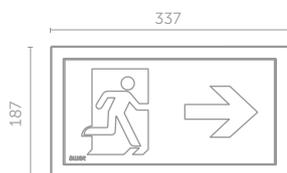
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	IF2BWS	1W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	IF2BWS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2BWS	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2BWS	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	SYSTEM	COLOR		
IF2BWS	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL

LEGEND:

- IF2BWS fixture INFINITY II B
- C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color



INFINITY II AC EMERGENCY EXIT LIGHTING





INFINITY II AC



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



d=30mm



Ni-Cd



LiFePO₄



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

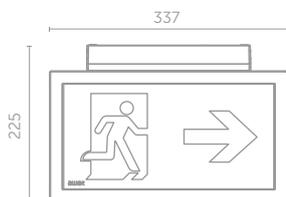
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	IF2ACS	1W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	IF2ACS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2ACS	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2ACS	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	SYSTEM	COLOR		
IF2ACS	1W	FZLV	FZLV2	WH	GR	BL
	2W	FZLV	FZLV2	WH	GR	BL

LEGEND:

- IF2ACS fixture INFINITY II AC
- C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color



INFINITY II AW EMERGENCY EXIT LIGHTING





INFINITY II AW



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



d=30m



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

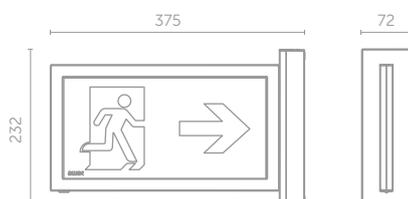
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	IF2AWS	1W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	IF2AWS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2AWS	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

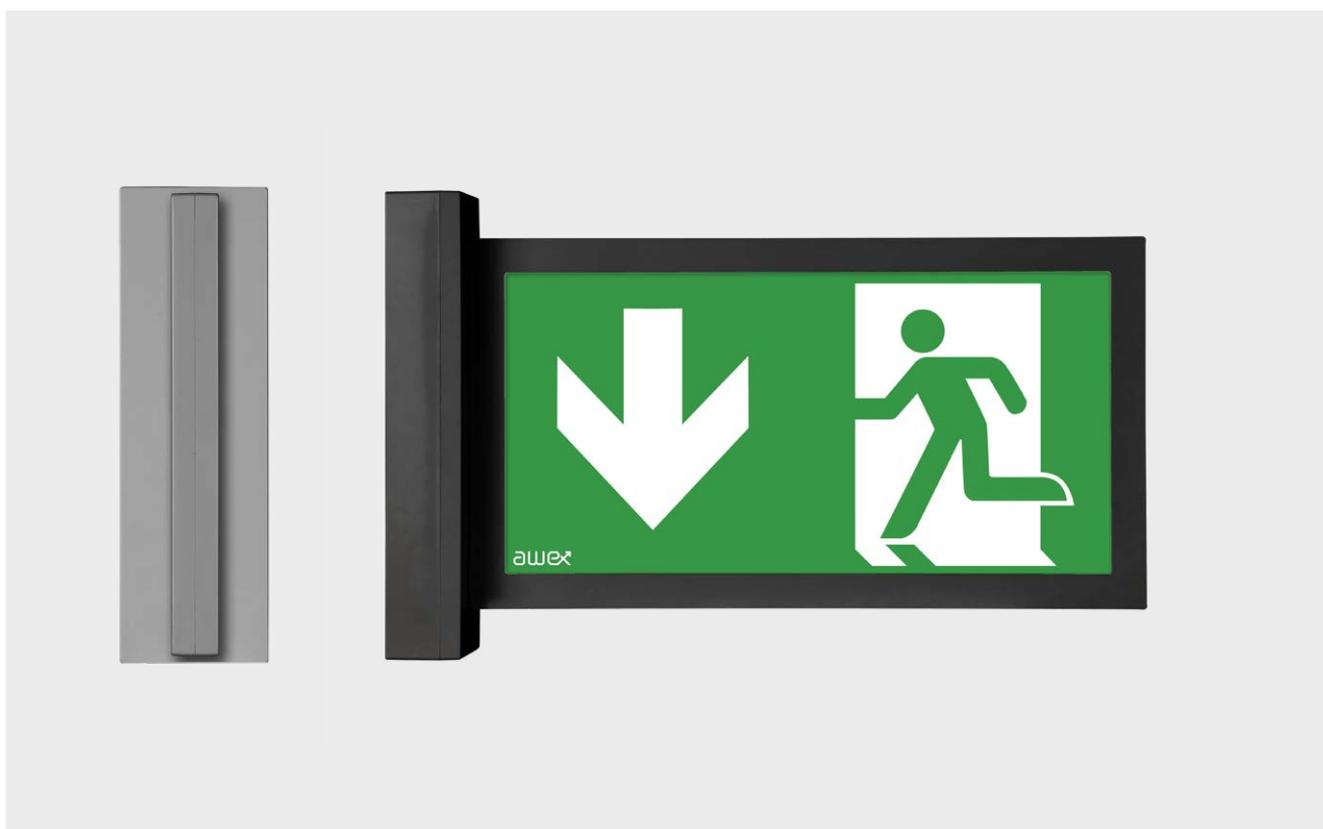
CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2AWS	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
IF2AWS	1W	FZLV	FZLV2	WH GR BL
	2W	FZLV	FZLV2	WH GR BL

LEGEND:

- IF2AWS fixture INFINITY II AW
- C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color







INFINITY II AL



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



d=30m



KM 618355
BS-EN 60598-2-22



MATERIALS

White, grey or black polycarbonate body • Plexi glass

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP40, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

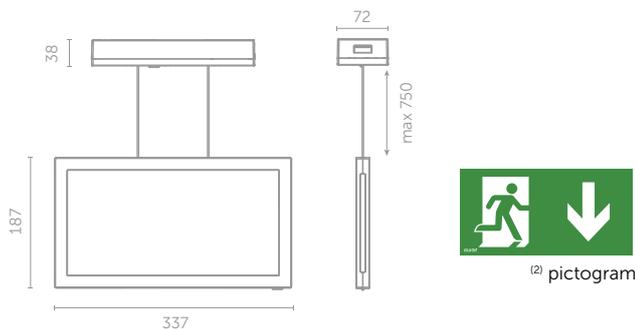
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR			
				1	3	SE	SA	PT	AT	X	WH	GR	BL	
STANDARD	IF2ALS	1W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
		2W	C	1	3	SE	SA	PT	AT	X	WH	GR	BL	
PREMIUM	IF2ALS	1W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WH	GR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2ALS	1W	F	CB	CBS	X	WH	GR	BL
	2W	F	CB	CBS	X	WH	GR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

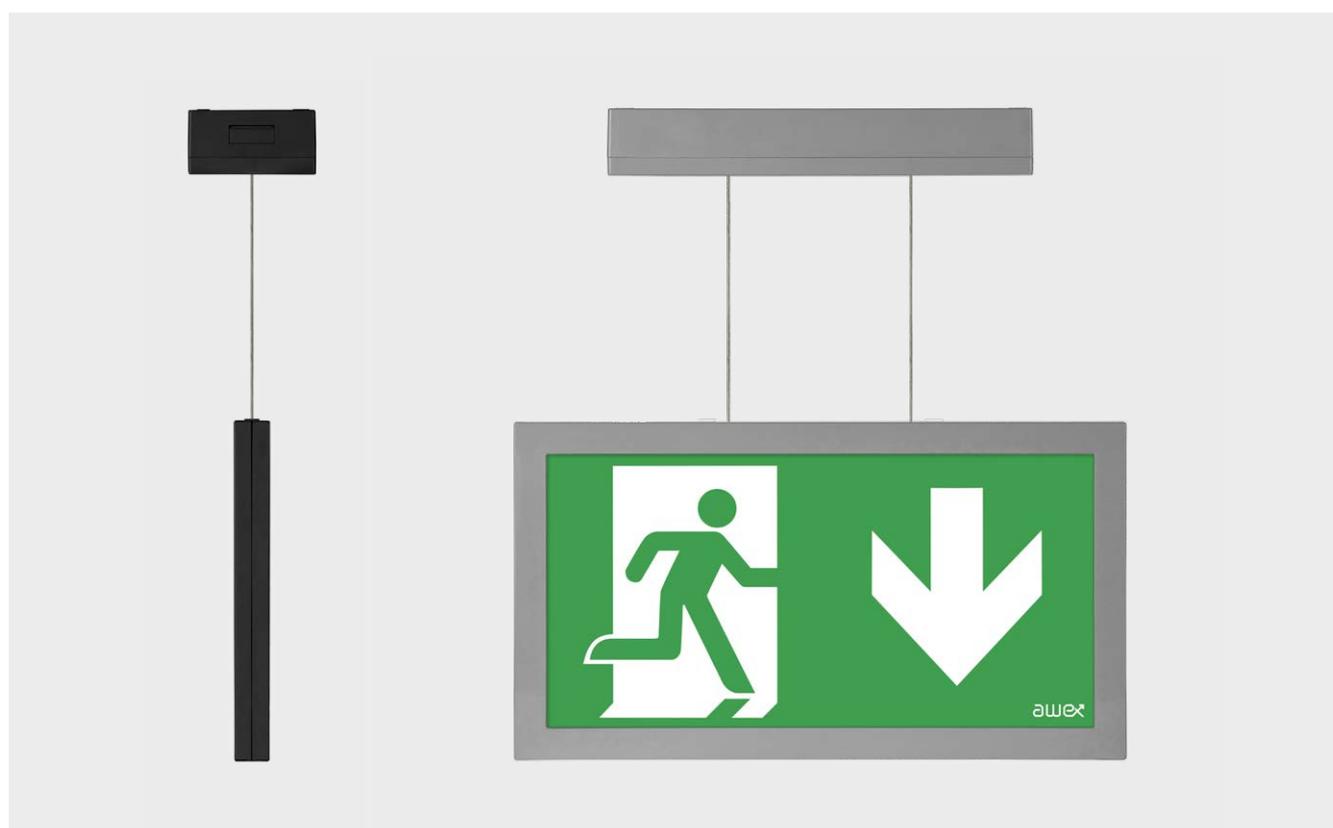
CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR		
IF2ALS	1W	Z	CB	ADE	ADP	WH	GR	BL
	2W	Z	CB	ADE	ADP	WH	GR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
IF2ALS	1W	FZLV	FZLV2	WH GR BL
	2W	FZLV	FZLV2	WH GR BL

LEGEND:

- IF2ALS fixture INFINITY II AL
- C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color
- BL black color



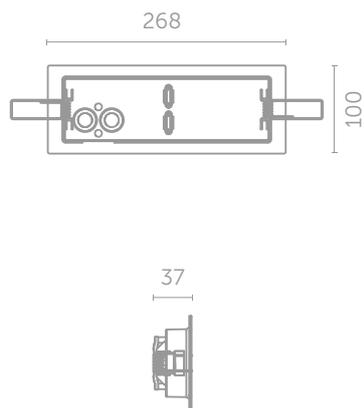
INFINITY II accessories



ACCESSORY FOR RECESSED MOUNTING

CODE: IF2/REC/WH
IF2/REC/GR
IF2/REC/BL

DIMENSIONS [mm]



FITS TO INFINITY B, AC, AL, AW

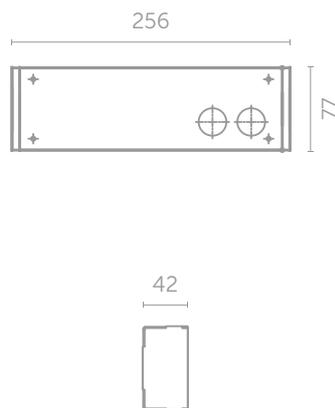


CONCRETE BOX

CODE: IF2/RWC

* REQUIRES AN ACCESSORY FOR RECESSED MOUNTING (IF2/REC)

DIMENSIONS [mm]

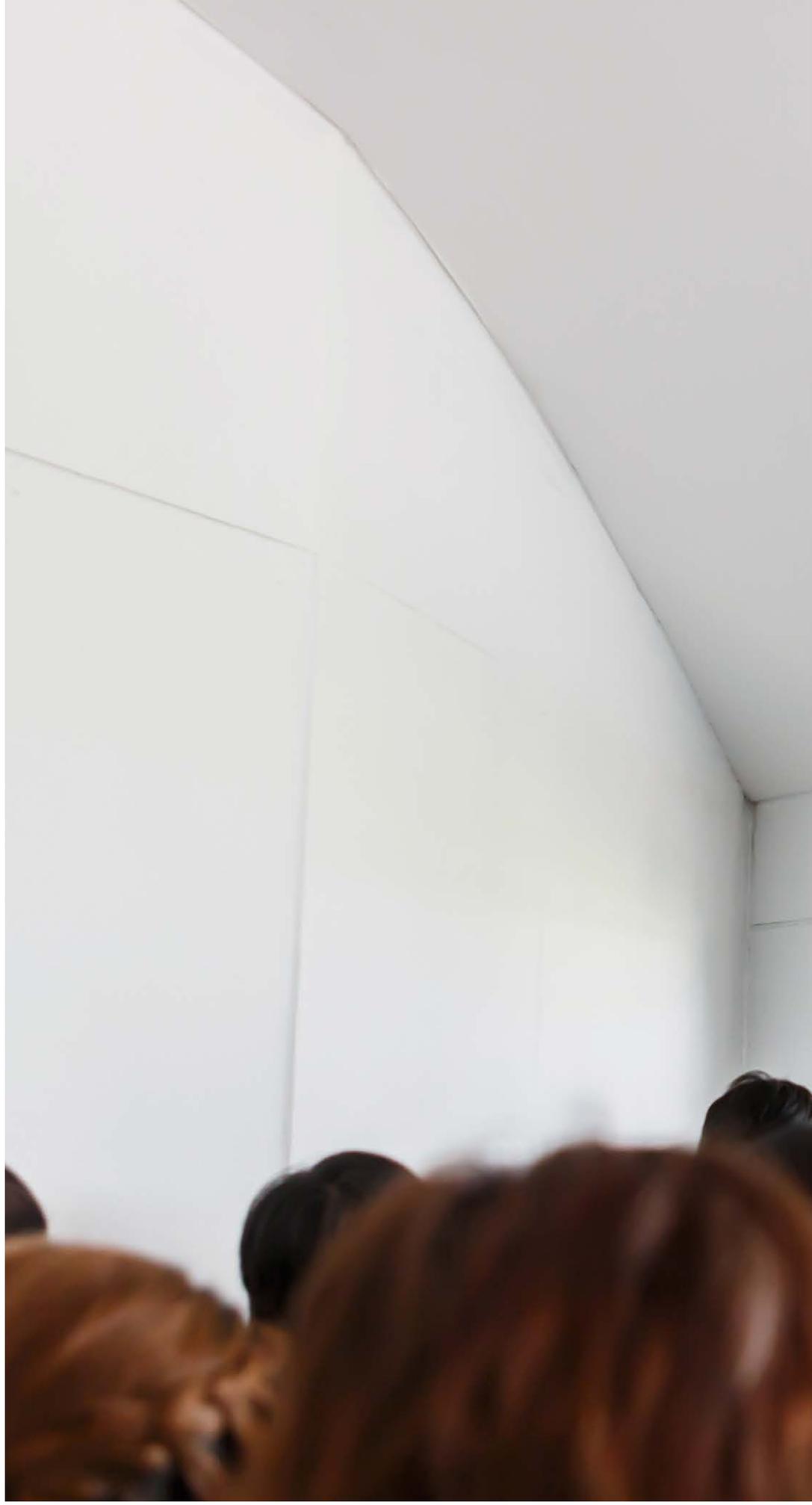


FITS TO INFINITY B, AW



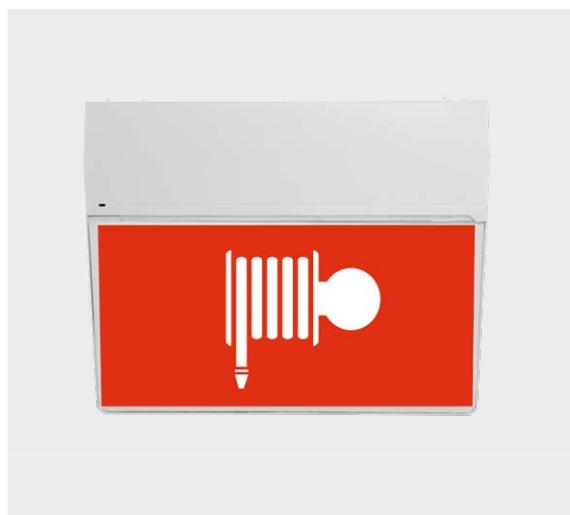


SK-8 family





SK-8



SK-8

p. 274



SK-8

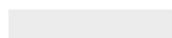
p. 276

Multitasking and good design

SK-8 series is a universal escape-sign luminaire designed for surface and flush mounting inside buildings. Its light weight and slim construction makes the light compatible to be incorporated into the surface. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of visibility and uniform pictogram backlight. It can be used in office spaces, communication routes, large rooms where 30m viewing distance should be covered.

COLOURS

White



RAL 9003

TYPE OF COVER



OPAL COVER



TRANSPARENT COVER

SK-8



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP44

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonat body • Transparent polycarbonat cover with lens

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

3W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP44, IK08

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

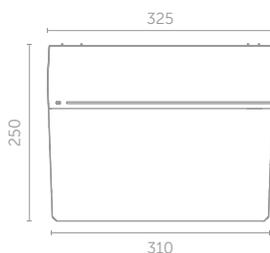
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • Fixture with floor illumination system • III III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available
• ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE			OPTIONS			COLOR
				1	3	SE	SA	PT	AT	X	WT	
STANDARD	SK8	3W	E C	1	3	SE	SA	PT	AT	X	WT	
PREMIUM	SK8	3W	B	1	3	SE	SA	AT	RU	RW	RD	WT

OUTPUT IN EMERGENCY MODE [lm]

	OUTPUT [lm]	
	POWER	
STANDARD	3W	175
PREMIUM	3W	190

LEGEND:

- SK8 fixture SK-8
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WT white body and transparent cover

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
SK8	3W	F	CB	CBS	X	WT

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	
3W	190

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
SK8	3W	Z	CB	ADE	ADP	WT

OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	
3W	190

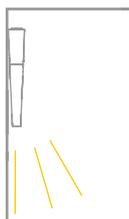
FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR
SK8	3W	FZLV	FZLV2	WT

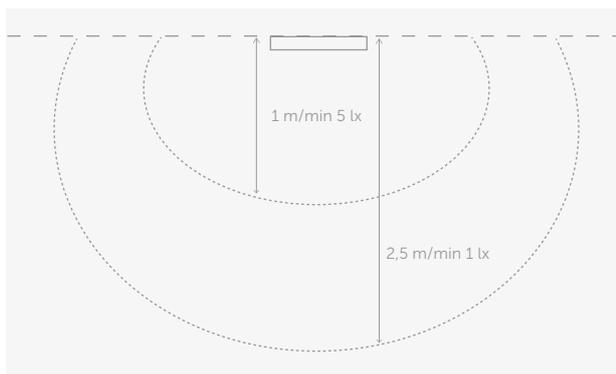
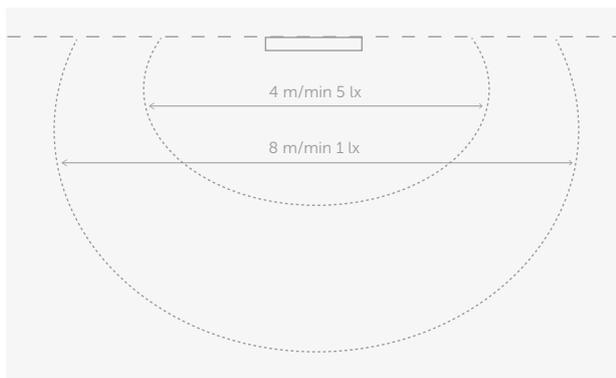
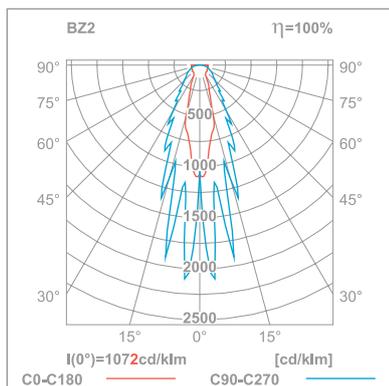
OUTPUT IN EMERGENCY MODE [lm]

OUTPUT [lm]	
POWER	
3W	190

SK-8 EXAMPLE OF PHOTOMETRY



Optic for escape route



simulation for one luminaire and min 1 lx and 5 lx (area)

SK-8

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP44

IK08



d=30m



KM 618355
BS-EN 60598-2-22



MATERIALS

White polycarbonate body • Opal polycarbonate cover with lens

MOUNTING

Surface • Recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP44, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

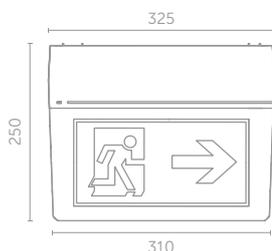
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • RW – Rubic UNA Wireless central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for recessed mounting, RW option not available • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
				1	3	SE	SA	PT	AT	X		
STANDARD	SK8	1W	E C	1	3	SE	SA	PT	AT	X	WL	
		2W	E C	1	3	SE	SA	PT	AT	X	WL	
PREMIUM	SK8	1W	B	1	3	SE	SA	AT	RU	RW	RD	WL
		2W	B	1	3	SE	SA	AT	RU	RW	RD	WL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
					CBS	X	
SK8	1W	F		CB	CBS	X	WL
	2W	F		CB	CBS	X	WL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

	CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR
					ADE	ADP	
SK8	1W	Z		CB	ADE	ADP	WL
	2W	Z		CB	ADE	ADP	WL

FZLV SYSTEM CONFIGURATION

	CODE	POWER	SYSTEM		COLOR
			FZLV	FZLV2	
SK8	1W		FZLV	FZLV2	WL
	2W		FZLV	FZLV2	WL

LEGEND:

- SK8 fixture SK-8
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RW Rubic UNA Wireless central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WL white body and opal cover



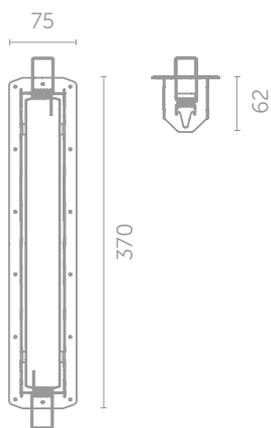
SK-8 accessories



ACCESORY FOR RECESSED MOUNTING

CODE: SK8/REC

DIMENSIONS [mm]



FITS TO SK-8





ESCAPE ALU family





ESCAPE ALU



ESCAPE ALU B

p. 284



ESCAPE ALU AC

p. 286



ESCAPE ALU AL

p. 288



ESCAPE ALU AR

p. 290



ESCAPE ALU AW

p. 292

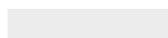
High end design

Escape Alu is a new concept of emergency exit signs designed for mounting inside buildings. The decorative light with aluminum body meets the requirements of modern installations. We use high quality components and extremely efficient light sources, which makes the luminary stand out with above-average parameters in terms of visibility and uniformity of the pictogram backlight. It is particularly used in offices, communication corridors and social rooms.



COLOURS

White aluminum



RAL 9016

Silver aluminum



RAL 7047

Black aluminum



RAL 9017

CLOSE UP



ESCAPE ALU B



AC
220-240V
50-60Hz

DC
176-275V

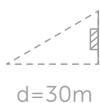
DC
24V

DC
48V

LED

IP20

IK08



MATERIALS

White, black or silver aluminium body • Plexi glass

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 3,2V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Single sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C **Central battery:** t_a: 0°C ÷ 50°C

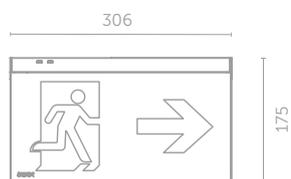
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button • AT – autotest • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ select 1pc of pictogram number from datasheet Pictograms

DIMENSIONS [mm]



⁽¹⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR			PICTOGRAM
	ESB	2W	B	1	3	SE	SA	X	PT	AT	RU	WH	SR	BL	XX

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
ESB	2W	Z	CB	ADE	ADP	WH	SR	BL	XX

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR			PICTOGRAM
ESB	2W	FZLV2	FZLV	WH	SR	BL	XX

LEGEND:

- | | | | |
|-----|--|-------|---|
| ESB | fixture ESCAPE ALU B | CB | central battery version |
| B | electronic gear for PREMIUM self-contained fittings | ADE | address module for CBS 2.0 – SMART technology |
| Z | electronic gear for addressable central battery fittings | ADP | address module for CBS 1.0 – SMART technology |
| SE | non-maintained | FZLV2 | central battery FZLV II 48 VDC |
| SA | maintained | FZLV | central battery FZLV 24VDC |
| PT | manual test button | WH | white color |
| X | fitting without additional options | SR | silver color |
| AT | autotest | BL | black color |
| RU | Rubic UNA central monitoring | XX | pictograms ID (e.g. 21) |



ESCAPE ALU AC



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



d=30m



CE

LiFePO₄

MATERIALS

White, black or silver aluminium body • Plexi glass

MOUNTING

Surface
Optionally recessed ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 3,2V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C **Central battery:** t_a: 0°C ÷ 50°C

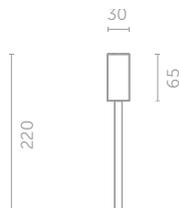
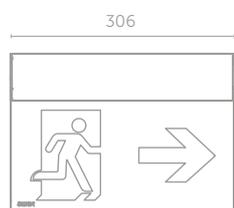
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button • AT – autotest • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signals mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 versions • ⁽¹⁾ see accessory for recessed mounting • ⁽²⁾ select 2pc of pictogram number from datasheet Pictograms

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR			PICTOGRAM
	ESAC	2W	B	1	3	SE	SA	X	PT	AT	RU	WH	SR	BL	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
ESAC	2W	Z	CB	ADE	ADP	WH	SR	BL	XXYY

FZLV SYSTEM CONFIGURATION

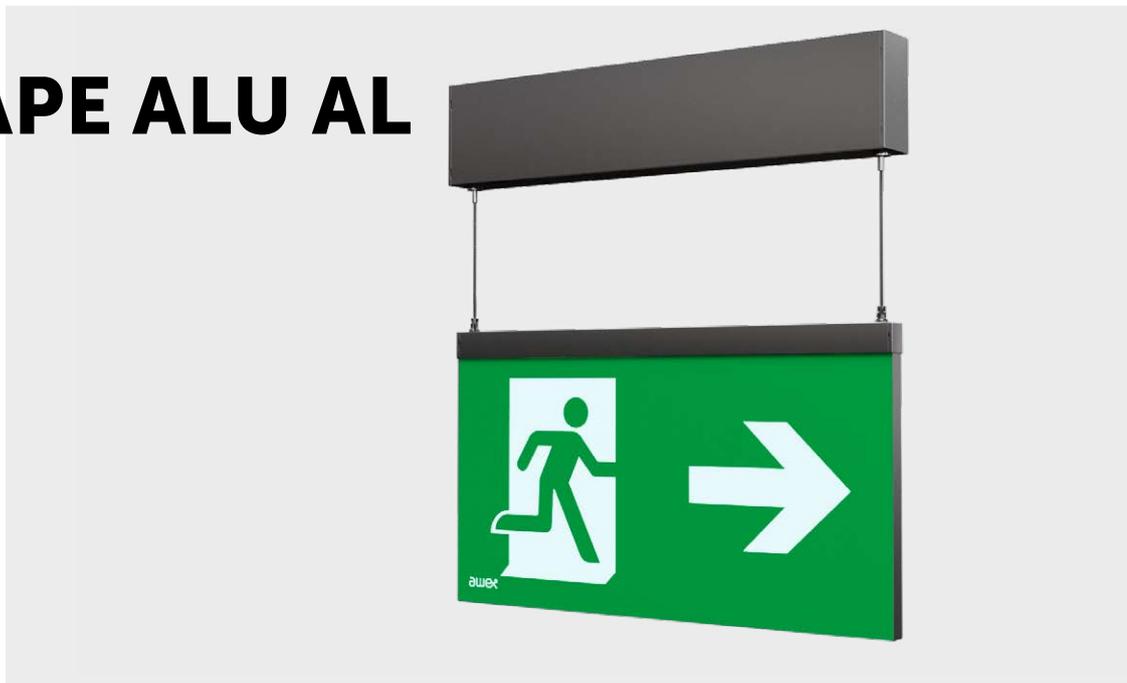
CODE	POWER	SYSTEM		COLOR			PICTOGRAM
ESAC	2W	FZLV2	FZLV	WH	SR	BL	XXYY

LEGEND:

- | | | | |
|------|--|-------|---|
| ESAC | fixture ESCAPE ALU AC | ADE | address module for CBS 2.0 – SMART technology |
| B | electronic gear for PREMIUM self-contained fittings | ADP | address module for CBS 1.0 – SMART technology |
| Z | electronic gear for addressable central battery fittings | FZLV2 | central battery FZLV II 48 VDC |
| SE | non-maintained | FZLV | central battery FZLV 24VDC |
| SA | maintained | WH | white color |
| PT | manual test button | SR | silver color |
| X | fitting without additional options | BL | black color |
| AT | autotest | XX | pictogram from the front side ID (e.g. 21) |
| RU | Rubic UNA central monitoring | YY | pictogram on the back side ID (e.g. 22) |
| CB | central battery version | | |



ESCAPE ALU AL



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



d=30m



CE

LiFePO₄

MATERIALS

White, black or silver aluminium body • Plexi glass

MOUNTING

Surface
Optionally recessed¹

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 3,2V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t₃: 0°C ÷ 40°C **Central battery:** t₃: 0°C ÷ 50°C

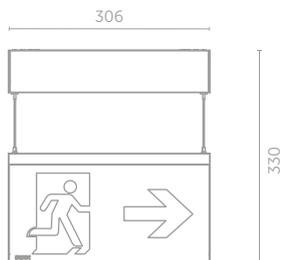
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button • AT – autotest • RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 versions • ⁽¹⁾ see accessory for recessed mounting
• ⁽²⁾ select 2pc of pictogram number from datasheet Pictograms

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR			PICTOGRAM
	ESAL	2W	B	1	3	SE	SA	X	PT	AT	RU	WH	SR	BL	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
ESAL	2W	Z	CB	ADE	ADP	WH	SR	BL	XXYY

FZLV SYSTEM CONFIGURATION

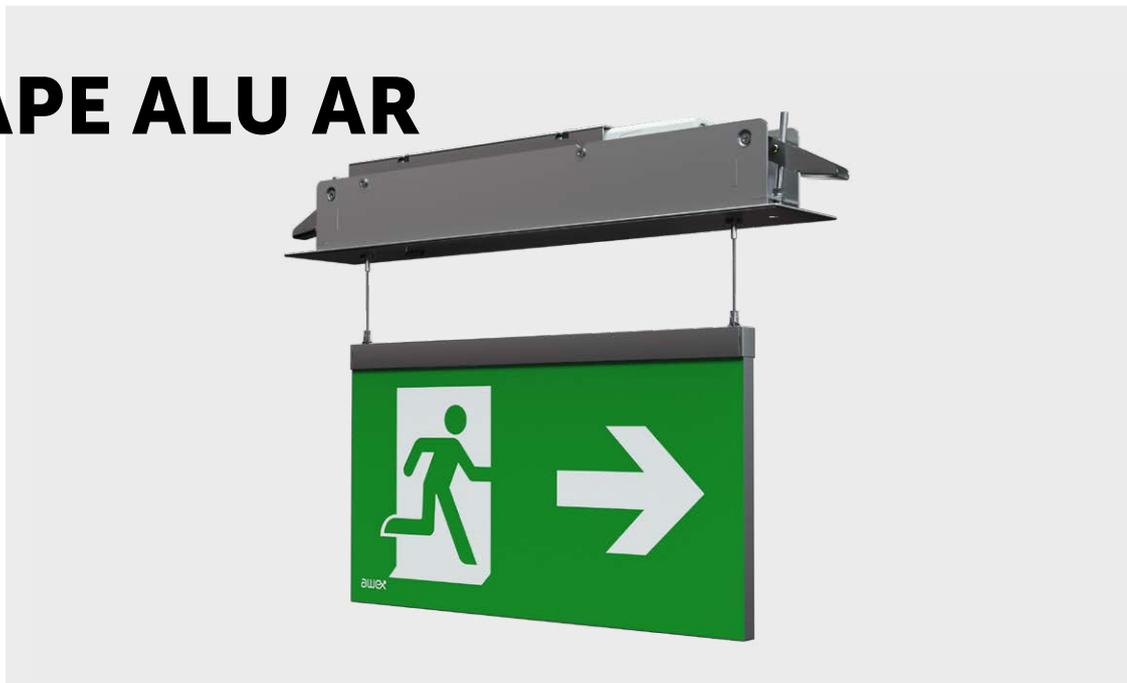
CODE	POWER	SYSTEM		COLOR			PICTOGRAM
ESAL	2W	FZLV2	FZLV	WH	SR	BL	XXYY

LEGEND:

- | | | | |
|------|--|-------|---|
| ESAL | fixture ESCAPE ALU AL | ADE | address module for CBS 2.0 – SMART technology |
| B | electronic gear for PREMIUM self-contained fittings | ADP | address module for CBS 1.0 – SMART technology |
| Z | electronic gear for addressable central battery fittings | FZLV2 | central battery FZLV II 48 VDC |
| SE | non-maintained | FZLV | central battery FZLV 24VDC |
| SA | maintained | WH | white color |
| PT | manual test button | SR | silver color |
| X | fitting without additional options | BL | black color |
| AT | autotest | XX | pictogram from the front side ID (e.g. 21) |
| RU | Rubic UNA central monitoring | YY | pictogram on the back side ID (e.g. 22) |
| CB | central battery version | | |



ESCAPE ALU AR



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



d=30m



CE

LiFePO₄

MATERIALS

White, black or silver aluminium body • Plexi glass

MOUNTING

Recessed

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 3,2V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_g: 0°C ÷ 40°C **Central battery:** t_g: 0°C ÷ 50°C

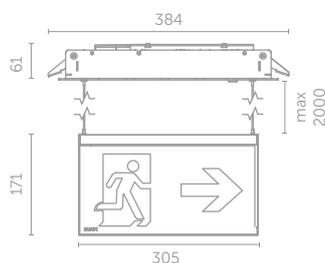
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button • AT – autotest • RU
– Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central
battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 versions • ⁽¹⁾ see accessory for recessed mounting
• ⁽²⁾ select 2pc of pictogram number from datasheet Pictograms

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR			PICTOGRAM
	ESAR	2W	B	1	3	SE	SA	X	PT	AT	RU	WH	SR	BL	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
ESAR	2W	Z	CB	ADE	ADP	WH	SR	BL	XXYY

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR			PICTOGRAM
ESAR	2W	FZLV2	FZLV	WH	SR	BL	XXYY

LEGEND:

ESAR	fixture ESCAPE ALU AR	ADE	address module for CBS 2.0 – SMART technology
B	electronic gear for PREMIUM self-contained fittings	ADP	address module for CBS 1.0 – SMART technology
Z	electronic gear for addressable central battery fittings	FZLV2	central battery FZLV II 48 VDC
SE	non-maintained	FZLV	central battery FZLV 24VDC
SA	maintained	WH	white color
PT	manual test button	SR	silver color
X	fitting without additional options	BL	black color
AT	autotest	XX	pictogram from the front side ID (e.g. 21)
RU	Rubic UNA central monitoring	YY	pictogram on the back side ID (e.g. 22)
CB	central battery version		



ESCAPE ALU AW



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP20

IK08



d=30m



CE



MATERIALS

White, black or silver aluminium body • Plexi glass

MOUNTING

Surface

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

1h or 3h, LiFePO₄ 3,2V batteries

INSULATION CLASS

II or III

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_g: 0°C ÷ 40°C **Central battery:** t_g: 0°C ÷ 50°C

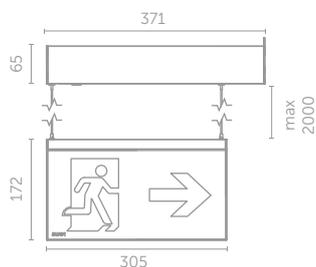
OPTIONS

SE – non maintained • SA – maintained • PT – manual test button • AT – autotest • RU
– Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central
battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 versions • ⁽¹⁾ see accessory for recessed mounting
• ⁽²⁾ select 2pc of pictogram number from datasheet Pictograms

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS				COLOR			PICTOGRAM
	ESAW	2W	B	1	3	SE	SA	X	PT	AT	RU	WH	SR	BL	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR			PICTOGRAM
ESAW	2W	Z	CB	ADE	ADP	WH	SR	BL	XXYY

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR			PICTOGRAM
ESAW	2W	FZLV2	FZLV	WH	SR	BL	XXYY

LEGEND:

- | | | | |
|------|--|-------|---|
| ESAW | fixture ESCAPE ALU AW | ADE | address module for CBS 2.0 – SMART technology |
| B | electronic gear for PREMIUM self-contained fittings | ADP | address module for CBS 1.0 – SMART technology |
| Z | electronic gear for addressable central battery fittings | FZLV2 | central battery FZLV II 48 VDC |
| SE | non-maintained | FZLV | central battery FZLV 24VDC |
| SA | maintained | WH | white color |
| PT | manual test button | SR | silver color |
| X | fitting without additional options | BL | black color |
| AT | autotest | XX | pictogram from the front side ID (e.g. 21) |
| RU | Rubic UNA central monitoring | YY | pictogram on the back side ID (e.g. 22) |
| CB | central battery version | | |



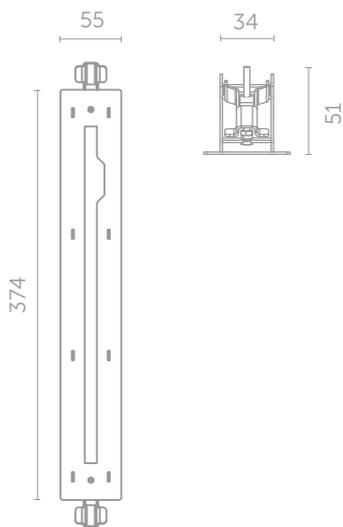
ESCAPE ALU accessories



ACCESSORY FOR RECESSED MOUNTING

CODE: ES/REC/WH
ES/REC/GR
ES/REC/BL

DIMENSIONS [mm]



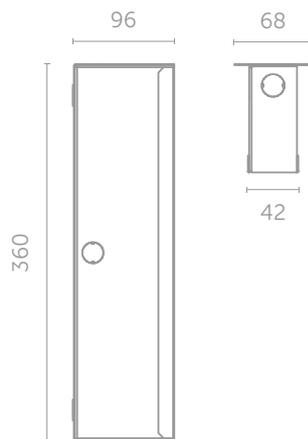
FITS TO ESCAPE ALU (AL, AC)



CONCRETE BOX

CODE: ES/RWC/GR

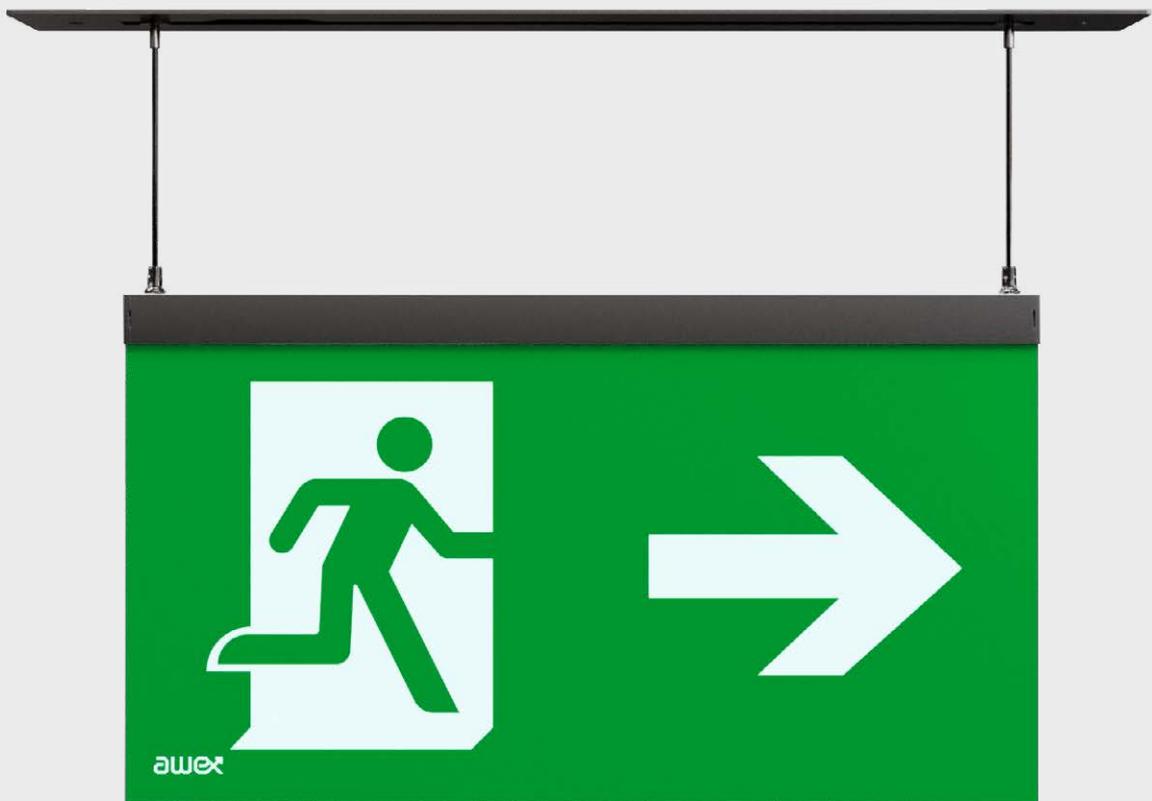
DIMENSIONS [mm]



FITS TO ESCAPE ALU (AC ⁽¹⁾, AR)



⁽¹⁾ additionally required ACCESSORY FOR RECESSED MOUNTING



TWINS family





TWINS



TWINS

p. 300

Design and clarity

TWINS series is a decorative type escape-sign luminaires designed for surface wall/ceiling mounting inside buildings. Aluminium construction is available in white/silver colours. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of visibility and uniform pictogram backlight. Open area, or communication routes where 30 m viewing distance should be covered requires this type of luminaire.

COLOURS

Black aluminium

Silver aluminium



CLOSE UP





TWINS



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP41

IK08



d=30m



KM 618355
BS-EN 60598-2-22



MATERIALS

Silver or black aluminium body • Plexi glass

MOUNTING

Surface • Surface on a rope sling ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP41, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC
• RD – DALI central monitoring • FZLV2 – central battery FZLV II 48VDC
• CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for mounting on a rope sling • ⁽²⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
				1	3	SE	SA	PT	AT	X	SR	BL
STANDARD	TW	1W	E C	1	3	SE	SA	PT	AT	X	SR	BL
		2W	E C	1	3	SE	SA	PT	AT	X	SR	BL
PREMIUM	TW	1W	B	1	3	SE	SA	AT	RU	RD	SR	BL
		2W	B	1	3	SE	SA	AT	RU	RD	SR	BL

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
TW	1W	F	CB	CBS	X	SR	BL
	2W	F	CB	CBS	X	SR	BL

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

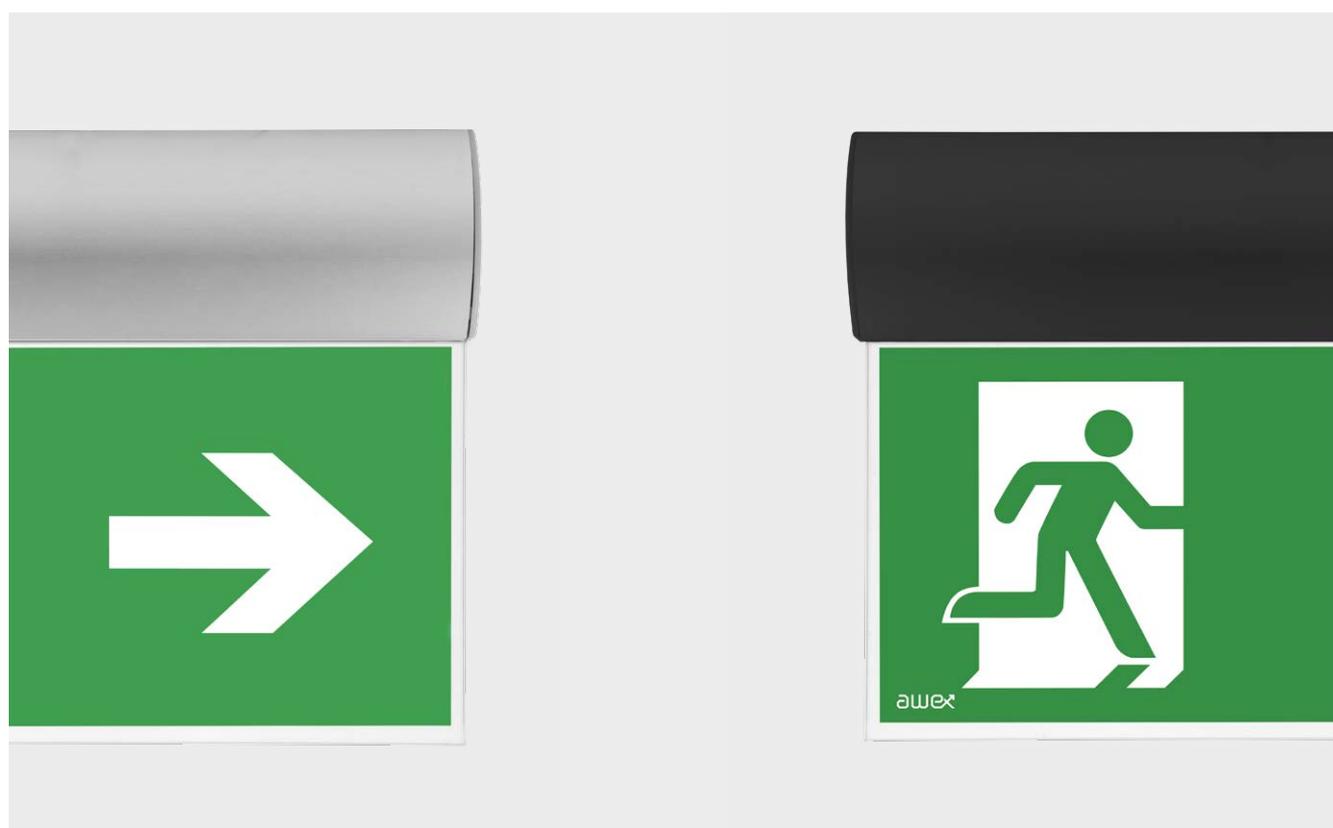
CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
TW	1W	Z	CB	ADE	ADP	SR	BL
	2W	Z	CB	ADE	ADP	SR	BL

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	
TW	1W	FZLV	FZLV2	SR BL
	2W	FZLV	FZLV2	SR BL

LEGEND:

- TW fixture TWINS
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- SR silver color
- BL black color



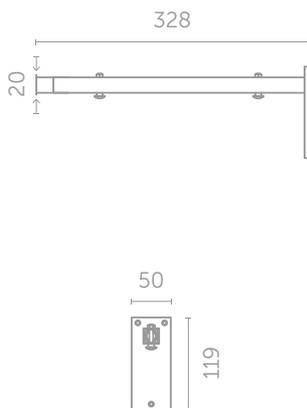
TWINS accessories



WALL BRACKET 90°

CODE: 1009/SR
1009/BL

DIMENSIONS [mm]



SUSPENSION ROPES

CODE: 1006/SR
1006/BL

DIMENSIONS [mm]



FITS TO TWINS



FITS TO TWINS





PLEXI LED family





PLEXI LED



PLEXI LED

p. 308

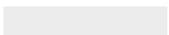
Durable housing

PLEXI LED series is a classic line of escape-sign luminaires with stainless steel body designed for flush mounting inside buildings. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of visibility and uniform pictogram backlight. Communication routes where 30 m viewing distance should be covered requires this type of luminaire.

COLOURS

White

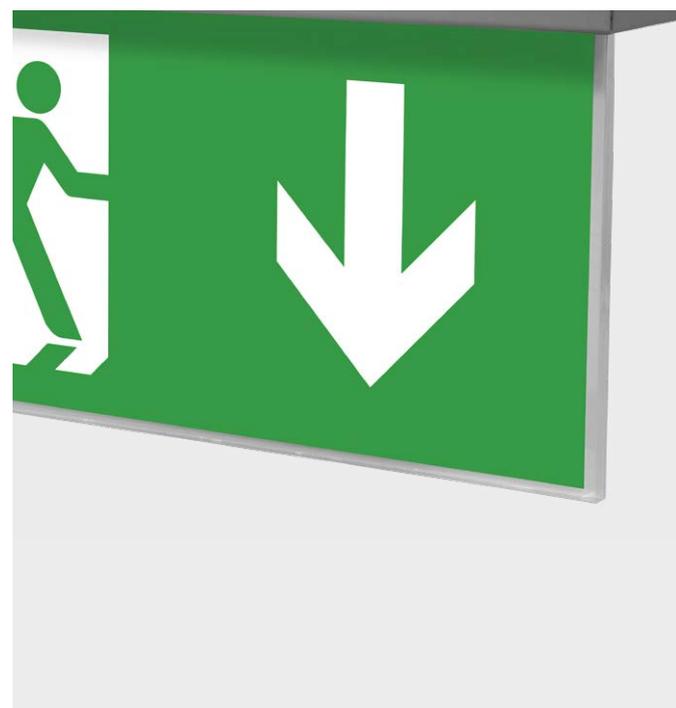
Grey

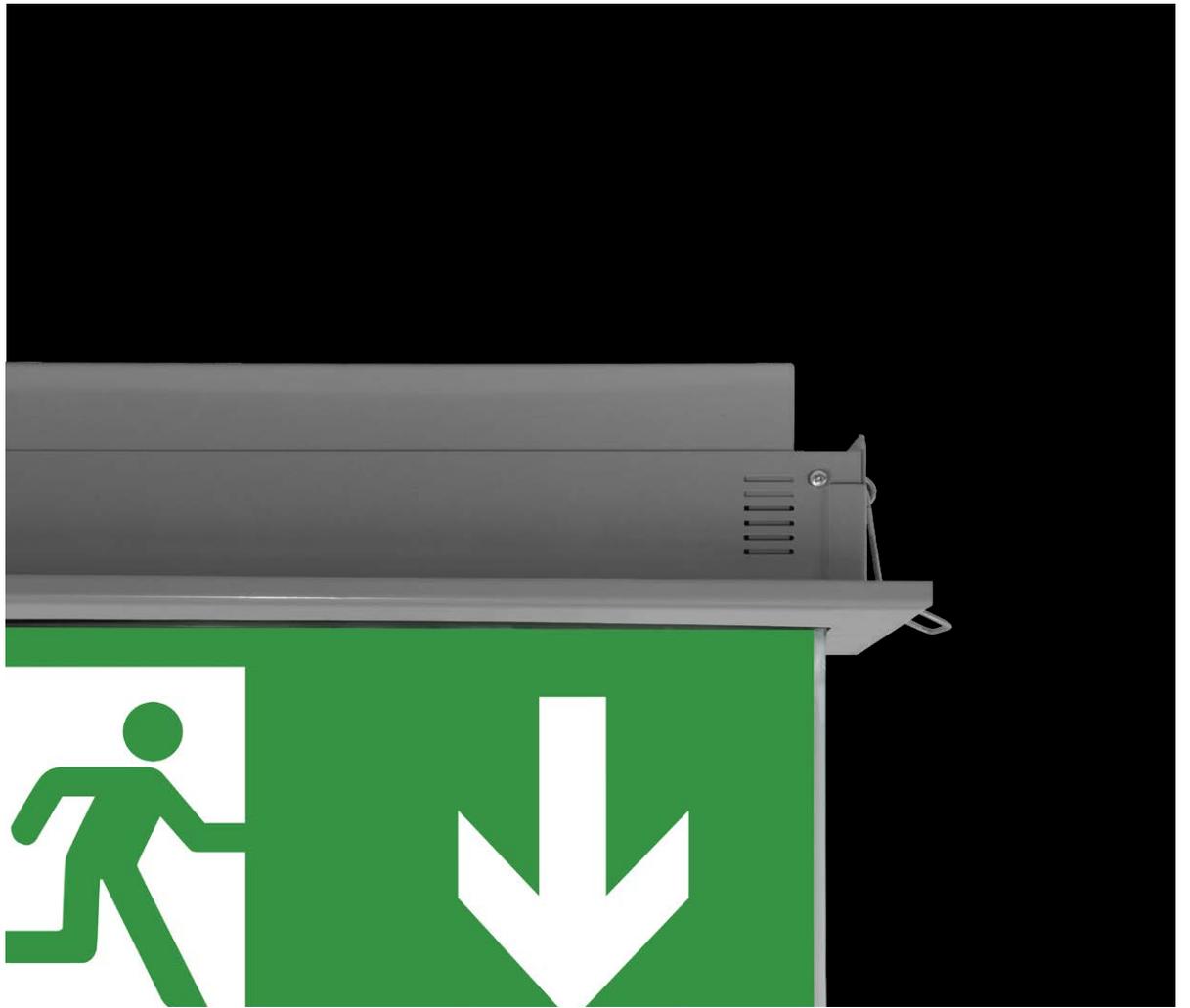


RAL 9003

RAL 7045

CLOSE UP





PLEXI LED



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK08



KM 618355
BS-EN 60598-2-22



MATERIALS

Grey or white steel body • Plexi glass

MOUNTING

Recessed

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Standard: max. 24h
Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Standard: 1h or 3h, Ni-Cd 3,6V batteries
Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP20, IK08

VIEWING DISTANCE

30 m

VIEWING METHOD

Double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: 0°C ÷ 50°C

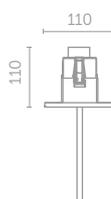
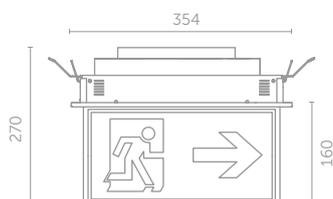
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • PT – manual test button
• RU – Rubic UNA central monitoring • FZLV – central battery FZLV 24VDC
• RD – DALI central monitoring • FZLV2 – central battery FZLV II 48VDC
• CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection • III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ 1pc of universal pictogram is included in each single box

DIMENSIONS [mm]



⁽¹⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	
STANDARD	PL	1W	E C	1	3	SE	SA	PT	AT	X	GR	WH
		2W	E C	1	3	SE	SA	PT	AT	X	GR	WH
PREMIUM	PL	1W	B	1	3	SE	SA	AT	RU	RD	GR	WH
		2W	B	1	3	SE	SA	AT	RU	RD	GR	WH

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
PL	1W	F	CB	CBS	X	GR	WH
	2W	F	CB	CBS	X	GR	WH

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS		COLOR	
PL	1W	Z	CB	ADE	ADP	GR	WH
	2W	Z	CB	ADE	ADP	GR	WH

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR
PL	1W	FZLV FZLV2	GR WH
	2W	FZLV FZLV2	GR WH

LEGEND:

- PL fixture PLEXI LED
- E, C electronic gear for STANDARD self-contained fittings
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADP address module for CBS 1.0 – SMART technology
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- GR grey color



CUBE 2 family





CUBE 2



CUBE 2

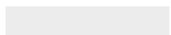
p. 314

For special applications

CUBE 2 series is a conventional multi-directional escape-sign luminaire for surface or suspended mounting. It's designed to be visible from all possible directions of evacuation and to meet the requirements of large surfaces. The luminaire is made of high-quality components using highly efficient light areas so that it is characterised by above-average parameters in terms of visibility and uniform pictogram backlight. Energy efficient LED technology, metal body and use of plexi-glass ensures the high strength and durability of the luminaire. With its visibility, it is able to cover large open space areas, public transport stations or at crossed corridors.

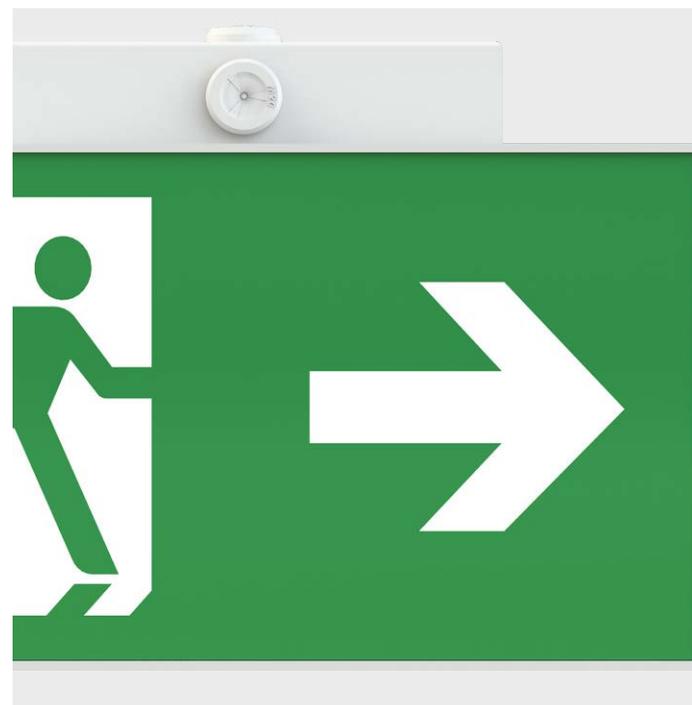
COLOURS

White



RAL 9003

CLOSE UP





CUBE 2



AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP54



d=25m



CE



MATERIALS

Steel painted white • Aluminium profiles painted white • Opal polycarbonate pictograms

MOUNTING

Surface • Optionally pendant ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

3W, 4W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP RATING

IP54

VIEWING DISTANCE

35 m

VIEWING METHOD

Four-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: -25°C ÷ 50°C

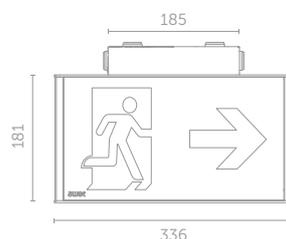
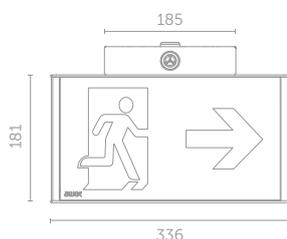
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• FZLV – central battery FZLV 24VDC • RD – DALI central monitoring • FZLV2 – central battery FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for pendant mounting
• ⁽²⁾ select 4 pcs. of pictogram number from datasheet Pictogramss

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

PREMIUM	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	PICTOGRAM
				1	3	SE	SA	AT	RU	RD		
	CU2	4W	B								WH	XXYYZZWW

* power in emergency mode

CENTRAL BATTERY CONFIGURATION - NON-ADDRESSABLE

CODE	POWER	MODULE	SYSTEM		OPTIONS		COLOR	PICTOGRAM
CU2	4W	F	CB		CBS	X	WH	XXYYZZWW

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM		OPTIONS		COLOR	PICTOGRAM
CU2	4W	Z	CB		ADE		WH	XXYYZZWW

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR	PICTOGRAM
CU2	4W	FZLV	FZLV2	WH	XXYYZZWW

LEGEND:

- CU2 fixture CUBE 2 four-sided
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- CBS central battery for circuit monitoring
- ADE address module for CBS 2.0 – SMART technology
- WH white color
- XX pictogram from the front side ID (e.g. 21)
- YY pictogram from the back side ID (e.g. 21)
- ZZ pictogram from the right side ID (e.g. 22)
- WW pictogram from the left side ID (e.g. 22)



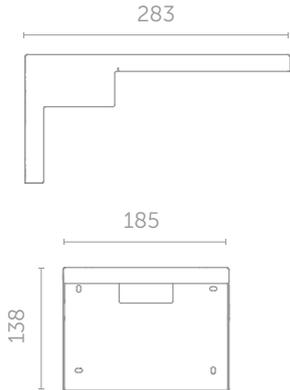
CUBE 2 accessories



WALL BRACKET

CODE: CU2/AW

DIMENSIONS [mm]



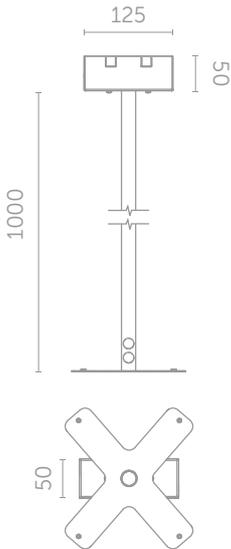
FITS TO CUBE 2



ACCESSORY FOR PENDANT MOUNTING

CODE: CU2/PEN

DIMENSIONS [mm]



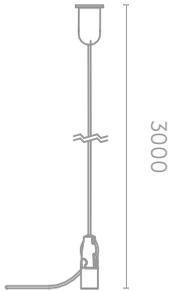
FITS TO CUBE 2



SUSPENSION ROPE (SET)

CODE: 1016

DIMENSIONS [mm]



FITS TO CUBE 2





SCREEN 2 family





SCREEN 2



SCREEN 2 S

p. 322



SCREEN 2 M

p. 324



SCREEN 2 L

p. 326

COLOURS

Grey



RAL 7047

Modern body, universal use

SCREEN 2 series is a conventional escape-sign luminaire for surface or suspended mounting, designed to meet the requirements of large surfaces. With its dimensions, it is able to ensure high visibility at a distance of up to 60 meters, while offering energy efficiency with the use of LED technology. The luminaire is made of high-quality components using highly efficient light sources so that it is characterised by above-average parameters in terms of visibility and uniform pictogram backlight. Its metal body and use of plexi-glass with increased resistance ensures the high strength and durability of the luminaire. It is often used in large areas like airports, shopping malls, big communication stations/routes.



FLOOR ILLUMINATION



SCREEN 2 S

AC
220-240V
50-60Hz

DC
176-275V

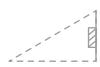
DC
24V

DC
48V

LED

IP40

IK07



d=30m



LiFePO₄



MATERIALS

Grey aluminium profiles • Plexi glass

MOUNTING

Surface • Pendant ⁽¹⁾ • Recessed ⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

1W, 2W, 3W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP40, IK07

VIEWING DISTANCE

30 m

VIEWING METHOD

Single sided or double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: -25°C ÷ 50°C

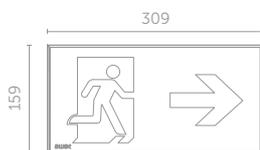
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery
FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for pendant mounting,
• ⁽²⁾ see accessory for recessed mounting, RW option not available • ⁽³⁾ Select 2 pcs. of
pictogram number from datasheet pictograms

DIMENSIONS [mm]



⁽³⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	PICTOGRAM
PREMIUM	SCSS	1W	B	1	3	SE	SA	AT	RU	RD	GR	XX
	SCSD	2W	B	1	3	SE	SA	AT	RU	RD	GR	XX
	SDSS	2W	B	1	3	SE	SA	AT	RU	RD	GR	XXYY
	SDSD	3W	B	1	3	SE	SA	AT	RU	RD	GR	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR	PICTOGRAM
SCSS	1W	Z	CB	ADE	GR	XX
SCSD	2W	Z	CB	ADE	GR	XX
SDSS	2W	Z	CB	ADE	GR	XXYY
SDSD	3W	Z	CB	ADE	GR	XXYY

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM		COLOR	PICTOGRAM
SCSS	1W	FZLV	FZLV2	GR	XX
SCSD	2W	FZLV	FZLV2	GR	XX
SDSS	2W	FZLV	FZLV2	GR	XXYY
SDSD	3W	FZLV	FZLV2	GR	XXYY

LEGEND:

- SCSS fixture SCREEN 2 S single - sided
- SCSD fixture SCREEN 2 S single - sided with floor illumination
- SDSS fixture SCREEN 2 S double - sided
- SDSD fixture SCREEN 2 S double - sided with floor illumination
- B electronic gear for PREMIUM self-contained fittings
- F electronic gear for central battery fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- ADE address module for CBS 2.0 – SMART technology
- GR grey color
- XX pictograms ID (e.g. 21)
- YY pictograms ID (e.g. 22)



SCREEN 2 M

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK07



MATERIALS

Grey aluminium profiles • Plexi glass

MOUNTING

Surface • Pendant ⁽¹⁾ • Recessed ⁽²⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

2W, 3W, 5W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP40, IK07

VIEWING DISTANCE

40 m

VIEWING METHOD

Single sided or double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: -25°C ÷ 50°C

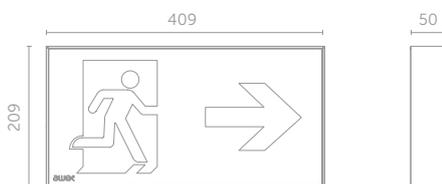
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery
FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for pendant mounting,
• ⁽²⁾ see accessory for recessed mounting, RW option not available • ⁽³⁾ Select 2 pcs. of
pictogram number from datasheet pictograms

DIMENSIONS [mm]



⁽³⁾ pictogram



d=40m



LiFePO₄



SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE		OPTIONS			COLOR	PICTOGRAM
				1	3	SE	SA	AT	RU	RD		
PREMIUM	SCMS	2W	B	1	3	SE	SA	AT	RU	RD	GR	XX
	SCMD	3W	B	1	3	SE	SA	AT	RU	RD	GR	XX
	SDMS	4W	B	1	3	SE	SA	AT	RU	RD	GR	XXYY
	SDMD	5W	B	1	3	SE	SA	AT	RU	RD	GR	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR	PICTOGRAM
SCMS	2W	Z	CB	ADE	GR	XX
SCMD	3W	Z	CB	ADE	GR	XX
SDMS	4W	Z	CB	ADE	GR	XXYY
SDMD	5W	Z	CB	ADE	GR	XXYY

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	PICTOGRAM
SCMS	2W	FZLV FZLV2	GR	XX
SCMD	3W	FZLV FZLV2	GR	XX
SDMS	4W	FZLV2	GR	XXYY
SDMD	5W	FZLV2	GR	XXYY

LEGEND:

- SCMS fixture SCREEN 2 M single - sided
- SCMD fixture SCREEN 2 M single - sided with floor illumination
- SDMS fixture SCREEN 2 M double - sided
- SDMD fixture SCREEN 2 M double - sided with floor illumination
- B electronic gear for PREMIUM self-contained fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV central battery FZLV 24 VDC
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- ADE address module for CBS 2.0 – SMART technology
- GR grey color
- XX pictograms ID (e.g. 21)
- YY pictograms ID (e.g. 22)



SCREEN 2 L

AC
220-240V
50-60Hz

DC
176-275V

DC
24V

DC
48V

LED

IP40

IK07



d=60m



LiFePO₄



MATERIALS

Grey aluminium profiles • Plexi glass

MOUNTING

Surface • Pendant ⁽¹⁾

POWER SUPPLY

Self contained – 220 - 240VAC/50 - 60Hz
Central battery – 220 - 240VAC/50 - 60Hz; 176 - 275VDC
Central battery FZLV II – 48VDC
Central battery FZLV – 24VDC

LIGHT SOURCE

4W, 5W, 9W LED
Colour temperature: 6000K
Lifetime: 50000h

CHARGING

Premium: max. 12h; energy-saving electronic charger

AUTONOMY AND BATTERIES

Premium: 1h or 3h, LiFePO₄ 6,4V batteries

INSULATION CLASS

I or III

IP & IK RATING

IP40, IK07

VIEWING DISTANCE

60 m

VIEWING METHOD

Single sided or double-sided

AMBIENT TEMPERATURE

Self-contained: t_a: 0°C ÷ 40°C
Central battery: t_a: -25°C ÷ 50°C

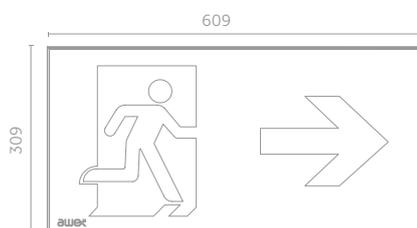
OPTIONS

SE – non maintained • SA – maintained • AT – autotest • RU – Rubic UNA central monitoring
• RD – DALI central monitoring • FZLV – central battery FZLV 24VDC • FZLV2 – central battery
FZLV II 48VDC • CB – central battery

ADDITIONAL INFORMATION

LED indicator signalizes mains power supply and battery charge • Deep discharge protection
• III class of insulation of FZLV and FZLV2 version • ⁽¹⁾ see accessory for pendant mounting
• ⁽²⁾ Select 2 pcs. of pictogram number from datasheet pictograms

DIMENSIONS [mm]



⁽²⁾ pictogram

SELF-CONTAINED CONFIGURATION

	CODE	POWER	MODULE	AUTONOMY [h]		MODE	OPTIONS	COLOR	PICTOGRAM
PREMIUM	SCLS	4W	B	1	3	SE SA	AT RU RD	GR	XX
	SCLD	5W	B	1	3	SE SA	AT RU RD	GR	XX
	SDLS	8W	B	1	3	SE SA	AT RU RD	GR	XXYY
	SDLD	9W	B	1	3	SE SA	AT RU RD	GR	XXYY

CENTRAL BATTERY CONFIGURATION – ADDRESSABLE

CODE	POWER	MODULE	SYSTEM	OPTIONS	COLOR	PICTOGRAM
SCLS	4W	Z	CB	ADE	GR	XX
SCLD	5W	Z	CB	ADE	GR	XX
SDLS	8W	Z	CB	ADE	GR	XXYY
SDLD	9W	Z	CB	ADE	GR	XXYY

FZLV SYSTEM CONFIGURATION

CODE	POWER	SYSTEM	COLOR	PICTOGRAM
SCLS	4W	FZLV2	GR	XX
SCLD	5W	FZLV2	GR	XX
SDLS	8W	FZLV2	GR	XXYY
SDLD	9W	FZLV2	GR	XXYY

LEGEND:

- SCLS fixture SCREEN 2 L single - sided
- SCLD fixture SCREEN 2 L single - sided with floor illumination
- SDLS fixture SCREEN 2 L double - sided
- SDLD fixture SCREEN 2 L double - sided with floor illumination
- B electronic gear for PREMIUM self-contained fittings
- Z electronic gear for addressable central battery fittings
- SE non maintained
- SA maintained
- PT manual test button
- X fitting without additional options
- AT autotest
- RU Rubic UNA central monitoring
- RD DALI central monitoring
- FZLV2 central battery FZLV II 48 VDC
- CB central battery version
- ADE address module for CBS 2.0 – SMART technology
- GR grey color
- XX pictograms ID (e.g. 21)
- YY pictograms ID (e.g. 22)



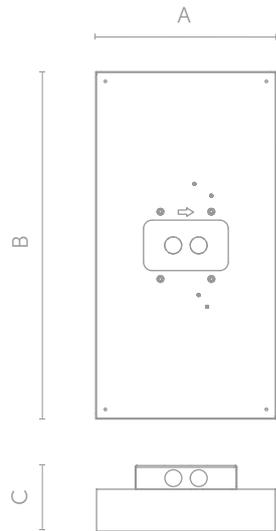
SCREEN 2 accessories



CONCRETE BOX

CODE: SCSS/RWC
SCMS/RWC

DIMENSIONS [mm]



Dimensions mm:(AxBxC):
SCREEN 2 S: 164x314x80
SCREEN 2 M: 217x417x80

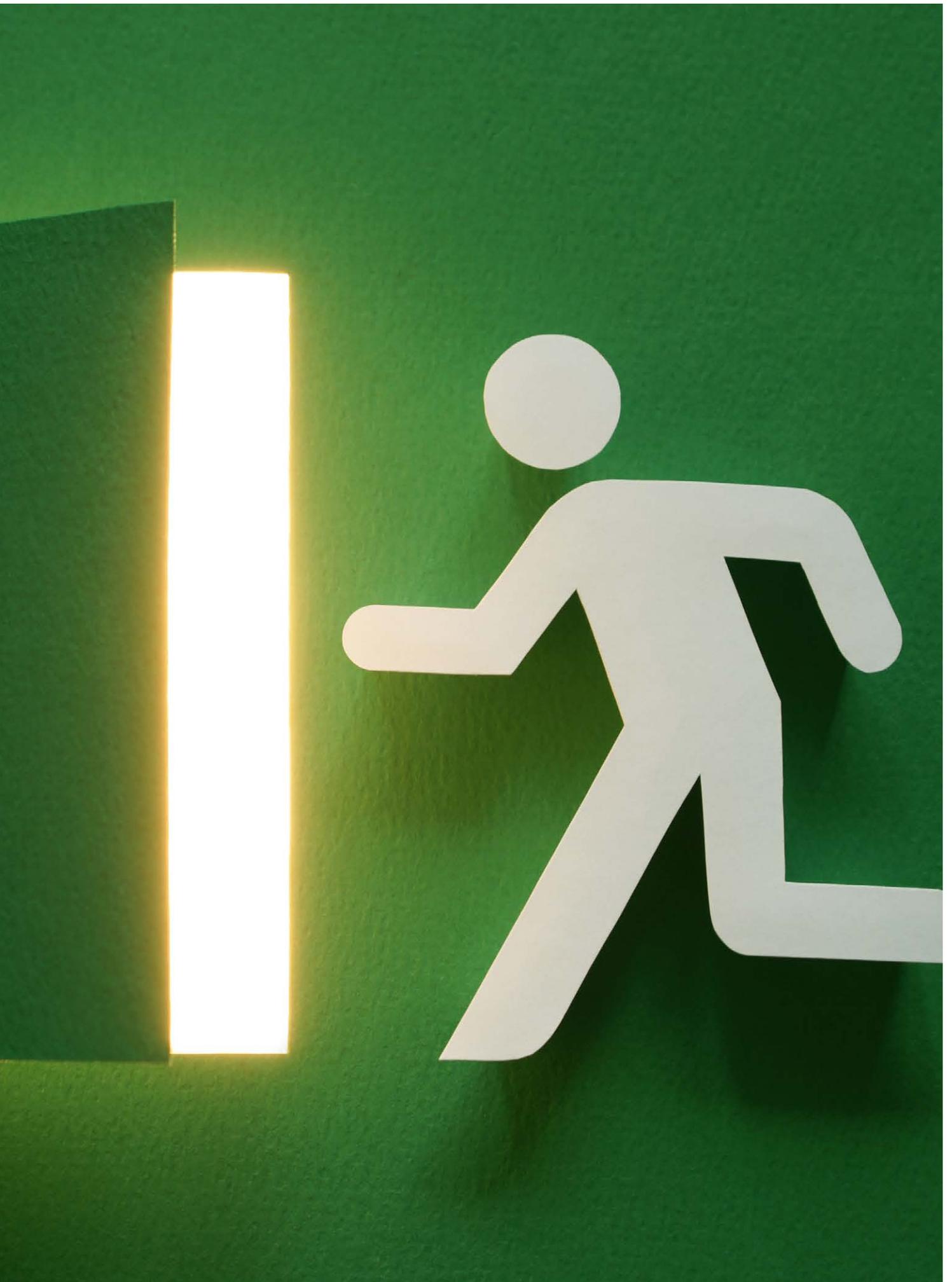
FITS TO SCREEN 2 S (SCSS/RWC),
SCREEN 2 M (SCMS/RWC)





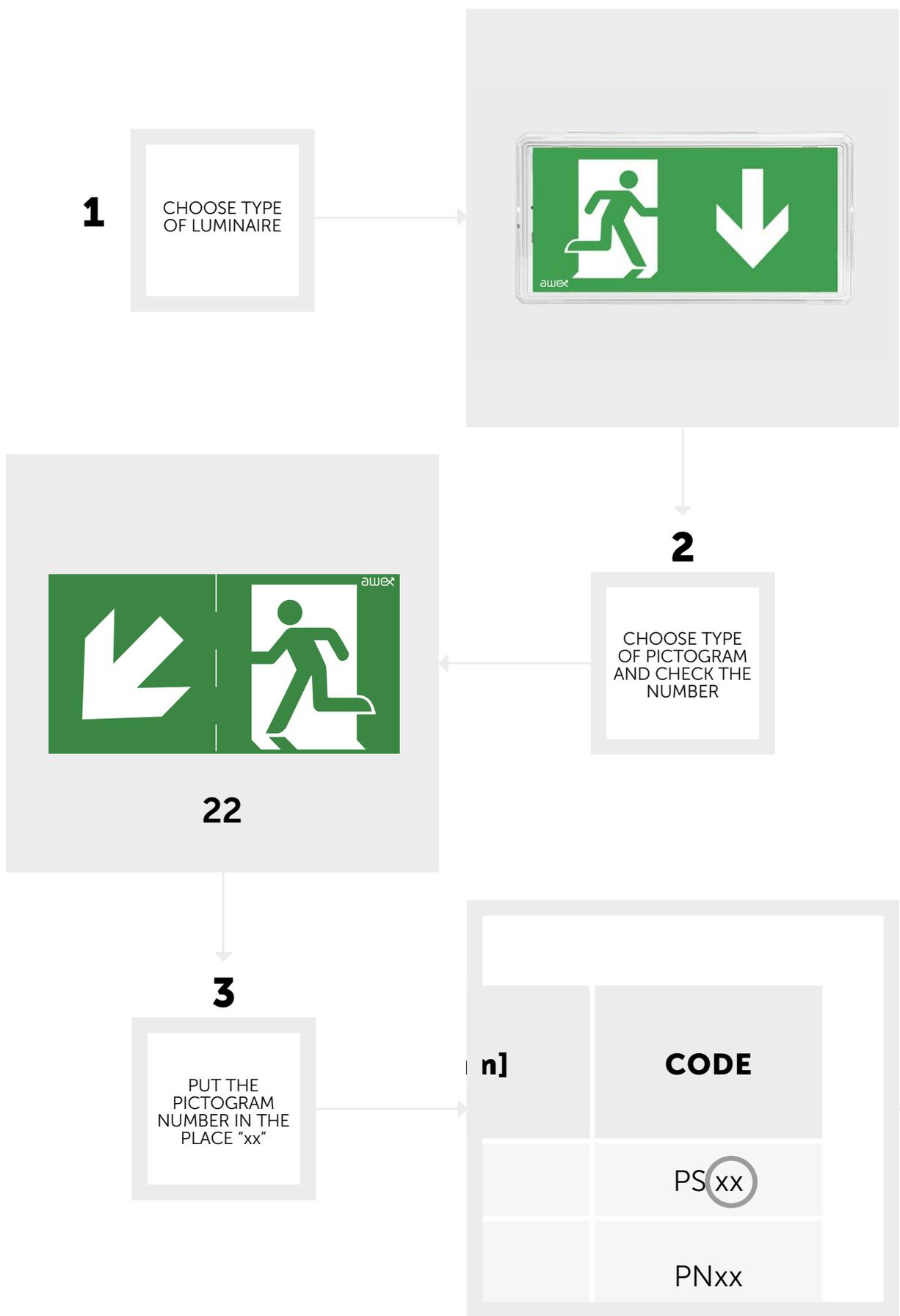
PICTOGRAMS and symbols



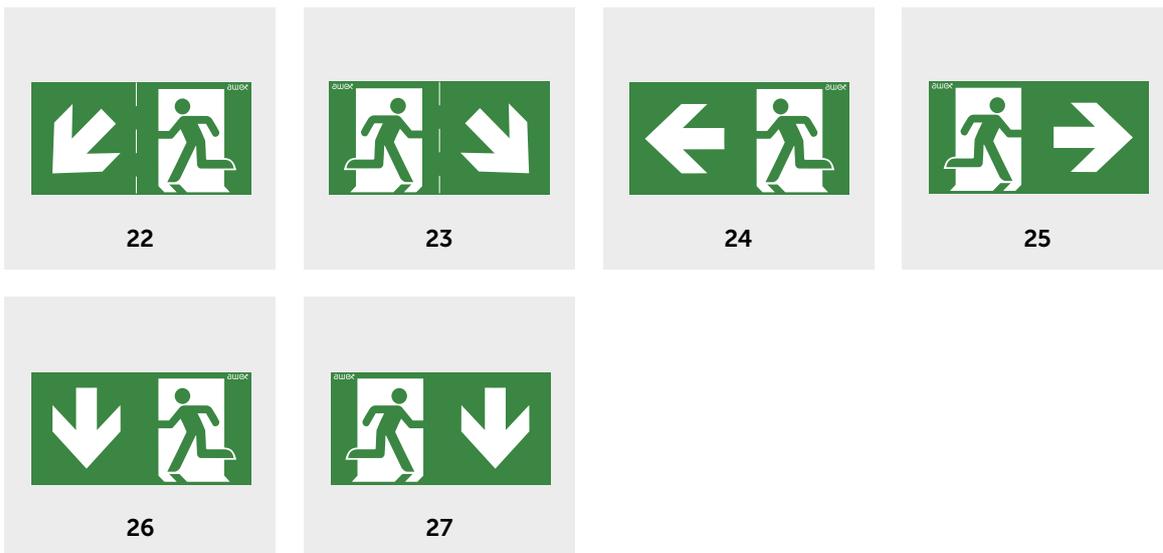


Pictograms

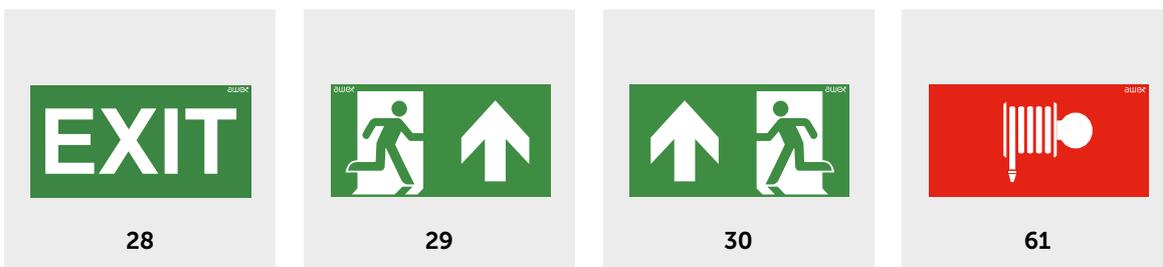
HOW TO CHOOSE A PICTOGRAM FOR A LAMP



PICTOGRAMS (COMPLIANT WITH PN-EN ISO 7010:2012)



ADDITIONAL PICTOGRAMS

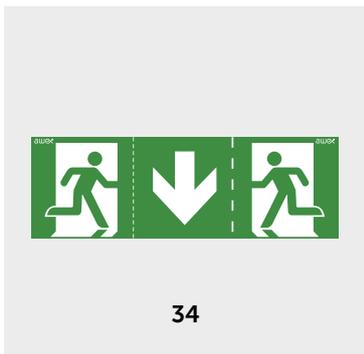
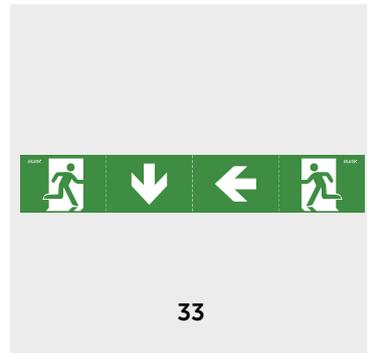
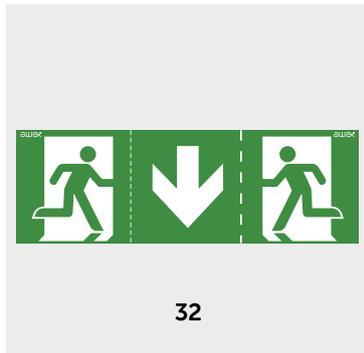
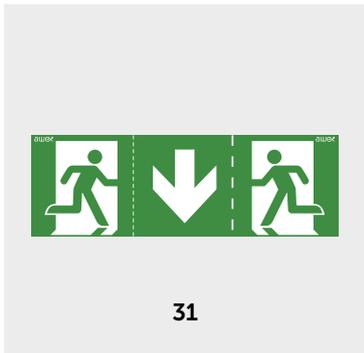


FITS TO		DIMENSIONS [mm]	CODE
FAMILY NAME	CODE		
TIGER LED	TL, TSL	100x300	PSxx
WONDER	WNDO, WNDP		
EXIT S	ETS	100x200	PNxx
EXIT M	ETE	125x250	PMxx
HELIOS LED	HL, HEL, HDL, HDEL		
ESCAPE ALU	ESB, ESAC, ESAL	150x300	PBxx
TWINS	TW		
SK-8	SK-8		
PICTOGRAMS ON FOIL AND PAINTED ON PLEXIGLASS AVAILABLE ON REQUEST			
ARROW	(ARN, ARP)	125x250	PSxxF
INFINITY II	IF2B, IF2AC, IF2AW, IF2AL	150x300	PDxxF
EXIT L	ETL	150x300	PLxxF

xx – pictogram ID number

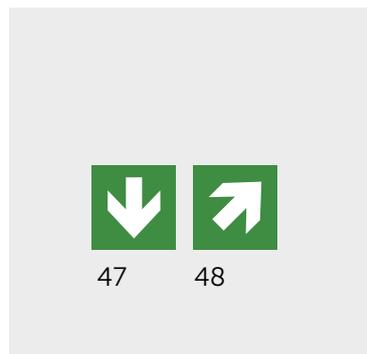
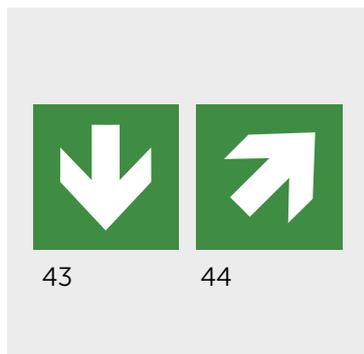
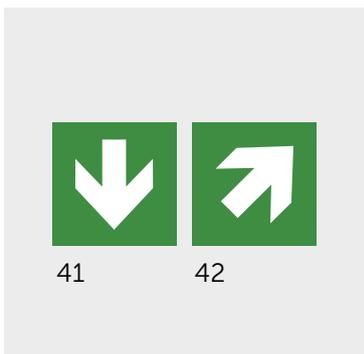
PICTOGRAMS

VERSATILE PICTOGRAM SETS (COMPLIANT WITH PN-EN ISO 7010:2012)



FITS TO		DIMENSIONS [mm]	CODE
FAMILY NAME	CODE		
EXIT M	ETE	125x250 (125x375)	PUxx
HELIOS LED	HL, HEL, HDL, HDEL		
ARROW	ARN, ARP)		
TWINS	TW	150x300 (150x450)	
INFINITY II	IF2B, IF2AC, IF2AW, IF2AL		
SK-8	SK-8		
EXIT L	ETL	100x300 (150x600)	
TIGER LED	TL, TSL		
EXIT S	ETS	100x200 (100x300)	
WONDER	WNDO, WNDP		

ARROW SIGNS (COMPLIANT WITH PN-EN ISO 7010:2012)



FITS TO		DIMENSIONS [mm]	CODE
FAMILY NAME	CODE		
EXIT M	ETE	125x125	PUxx
HELIOS LED	HL, HEL, HDL, HDEL		
ARROW	ARN, ARP)		
TWINS	TW	150x150	
INFINITY II	IF2B, IF2AC, IF2AW, IF2AL		
SK-8	SK-8		
EXIT L	ETL	100x100	
EXIT S	ETS		

Used symbols

	The product meets the requirements in accordance with the European Directive		Mounting of emergency escape lighting fittings – recessed / ceiling
	The product compliance with European standards		Mounting of emergency escape lighting fittings – surface / wall
	The Product compliance with the British Standards Institution requirements		Mounting of emergency escape lighting fittings – recessed / wall
	The product compliance with DALI standards		One-sided emergency exit sign
	Insulation class III		Double-sided emergency exit sign
	Insulation class II		Four-sided emergency exit sign
	Insulation class I		Motion sensor
 LiFePO ₄	Type of used battery LiFePO ₄		Dusk sensor
 Ni-Cd	Type of used battery Ni-Cd		Viewing distance d=60 m
	Mounting of emergency escape lighting fittings – surface / ceiling		Viewing distance d=40 m

USED SYMBOLS



Viewing distance d=40 m

IP20

Protection class IP



Viewing distance d=30 m

IK10

Protection against mechanical impact



Viewing distance d=25 m



Viewing distance d=20 m



Adaptation of the fixture for low temperatures up to -25°C

AC
220-240V
50-60Hz

The permissible range of AC input voltage

DC
176-275V

The permissible range of DC input voltage

DC
24V

Safety extra low voltage 24VDC SELV

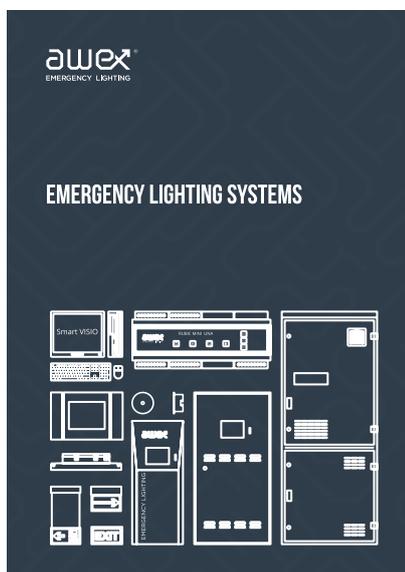
DC
48V

Safety extra low voltage 48VDC SELV

LED

Light source type - LED

Information about our systems are included in other catalogs:



available at www.awex.eu

awex[®]

EMERGENCY LIGHTING

www.awex.eu

P.P.H.U AWEX Rafał Stanuch

Mastomiańska, ul. Długa 39
32-091 Michalowice, Poland
tel. +48 12 681 55 00
fax. +48 12 681 55 22
e-mail: sekretariat@awex.eu