

MarkLED EXIT

MarkLED EXIT is the wall mounted LED evacuation point light for road tunnels according to EN16276. In order to provide a solution for various situations (new buildings, upgrade of existing installations, limited space etc.) MarkLED EXIT comes in 2 model versions:

- **MarkLED EXIT 230**
230VAC, with trafo integrated in each luminaire
- **MarkLED EXIT**
48VDC, with centralised power supply to feed several units



MarkLED EXIT with max. distance 25m

Technical data MarkLED EXIT LED unit

Denomination:	MarkLED EXIT
Material:	nanocoated transparent polycarbonate, halogen free, no toxic gases
Dimensions:	Ø110mm, height: 20,5mm
Luminous intensity:	1'455cd/481lm
LED layout:	4+4 LED's with laterally optics, 2+ 2 LED's with optics oriented downwards
Luminous colour:	5'600K (laterally), 5'900K (downwards)
Temperature range:	-40°C to +55°C
Protection class:	IP68, thanks to sealed electronics
Protection category:	III
Standards:	according to EN16276 (0,1 cd/m = 2,5 cd if installed in a distance of 25m

Light features

MarkLED EXIT comes with specially designed optics providing light distribution in 3 directions. By using LED's with special optics we can ensure a high visibility in situations with bad visibility (e.g. smoke). Using of LED technology helps to keep the power consumption at a low level. Each MarkLED EXIT luminaire is nanocoated for lower dust and dirt adherence. Light data for Relux/ Dialux simulations is available on request.



Function

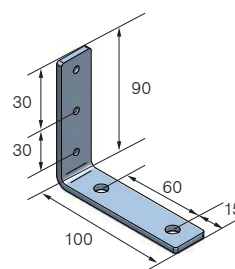
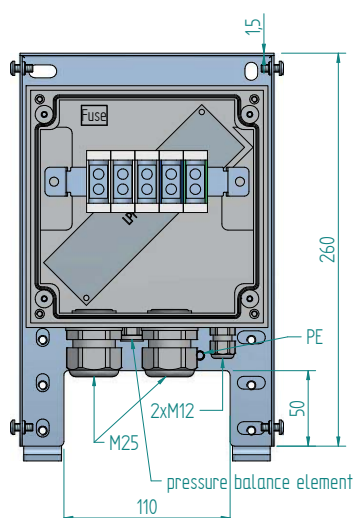
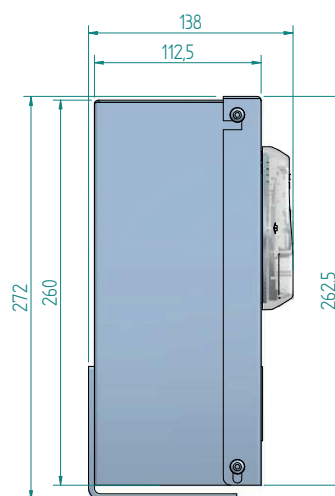
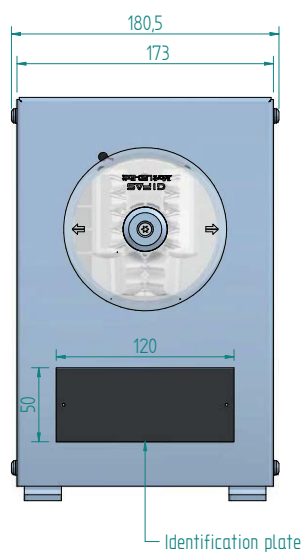
MarkLED EXIT is normally off and switched on in case of incident. If used with centralised power supplies it is possible to run it as 2-channel version, where guidance light is always on (dimmable) and the evacuation light will be added in case of incident.

MarkLED EXIT 230

MarkLED EXIT 230 is the evacuation point light for connection to 230VAC. Optional mounting brackets are available for installation on top of New Jersey barrier.

Product description

Denomination:	MarkLED EXIT 230
Item no.:	185830
Voltage range:	230VAC (90 - 305 VAC)
Trafo:	Mean Well LPF-16-24 (5 years warranty)
Power consumption:	0,12 A @ 230 VAC
Inrush current:	cold start 50 A (twitwh 200 μ s)
Fuses:	short circuit proof trafo (secondary side), fuse 5 \times 20 mm T2A (primary side)
Housing:	stainless steel 1.4404 (AISI 316 L)
Terminals:	ceramic terminal block, 5 \times 6 mm ²
Connection box:	integrated GIFA5-butyl rubber connection box with polycarbonate cover and pressure balance element
Cable glands:	2 \times M25 (in/out)
Protection class:	IP66
Dimensions:	262,5 \times 180,5 \times 134 mm
Accessories:	2 stainless steel (1.4404) mounting brackets (item no. 193326), for mounting on top of New Jersey barriers, 2 mounting positions



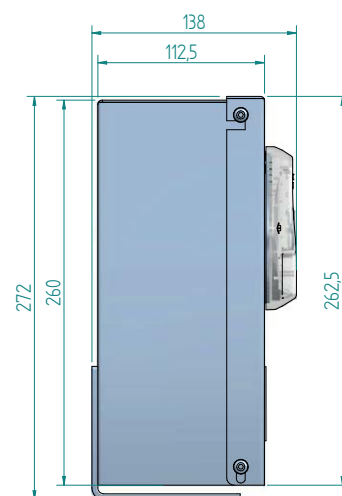
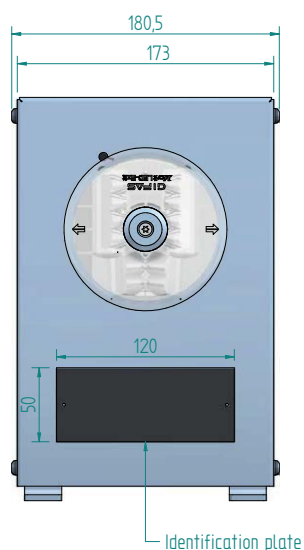
Item no. 193326 mounting bracket

MarkLED EXIT 48

MarkLED EXIT 48 is following the concept of the GIFAS shoulder mounted evacuation point lights with central trafo. Luminaires are fed with 18-48VDC. This system is meant for installations in new buildings or where space conditions are challenging.

Product description

Denomination:	MarkLED EXIT 48
Item no.:	185830/48
Voltage range:	18-48VDC
Power supply:	with external trafo
Power consumption:	210mA@48VDC / 390mA@24VDC
Fuse:	fuse 5×20mm T2A
Housing:	stainless steel 1.4404 (AISI 316L)
Terminals:	ceramic terminal block, 2×6 mm ²
Connection box:	integrated GIFAS-butyl rubber connection box with polycarbonate cover and pressure balance element
Cable glands:	2×M25 (in/out) for 2×6 mm ²
Protection class:	IP66
Dimensions:	262.5×180.5×134 mm
Accessories:	2 stainless steel (1.4404) mounting brackets (item no. 193326), for mounting on top of New Jersey barriers, 2 mounting positions
Installation:	see page 4 for alternative mounting possibilities



Max. segment length:

Cross section (@48VDC)	Max. segment length* non-redundant (1, 2, 3...) (no. of luminaires @48VDC)	Max. segment length* redundant (1, 3, 5... + 2, 4, 6...) (no. of luminaires @48VDC)
2.5 mm ²	475 m (20 pcs.)	650 m (14+13 pcs.)
4 mm ²	600 m (25 pcs.)	850 m (18+17 pcs.)
6 mm ²	750 m (31 pcs.)	1'050 m (22+21 pcs.)

* distance between luminaires: 25 m / 25 m from power pack to the 1st MarkLED EXIT is considered in the voltage drop calculation

Accessories MarkLED EXIT 48:

MarkLED EXIT 48 is available with different mounting boxes for surface or recessed mounting. Furthermore it can also come without mounting box (direct connection with cable):

1. surface mounting box, for max. 3 glands (48VDC)

Denomination: MarkLED surface mounting box for max 3 glands
Item no.: **144534** (1×in/2×out)
Cable glands: M25, brass
Dimensions: 115×115×46 mm
Description: stainless steel mounting box for surface installation



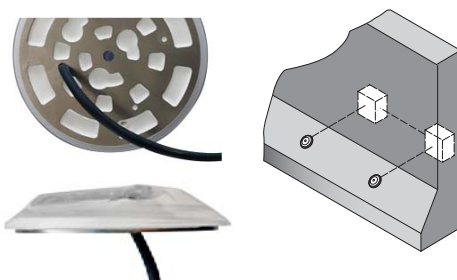
2. surface mounting box, for max. 2 glands (48VDC)

Denomination: MarkLED surface mounting box for max 2 glands
Item no.: **152744** (1×in/1×out)
Cable glands: M16, brass
Dimensions: 110×110×29 mm
Description: stainless steel mounting box for surface installation



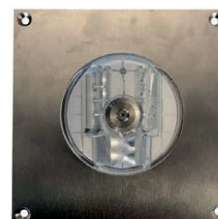
3. MarkLED EXIT with 2 m cable 4×0.25 mm (48VDC)

Denomination: MarkLED EXIT with 2 m cable 4×0.25 mm²
Item no.: **860604**
Description: MarkLED EXIT with 2 m cable (4×0.25 mm²) for mounting without connection box (e.g. direct mounting on New Jersey barrier)



4. MarkLED EXIT with stainless steel plate

Denomination: MarkLED EXIT with stainless steel plate, with 1 m cable 4 x 0,25 mm²
Item no.: on request
Dimensions: 200×200×24,5 mm, project specific dimensions possible
Description: MarkLED EXIT with stainless steel plate 200×200 mm for wall mounting without connection box



5. recessed mounting box, 2 glands (48VDC)

Denomination: MarkLED recessed mounting box
Item no.: **154580**
Cable glands: M25 conduit connectors (instead of cable glands)
Dimensions: Ø110 mm×55 mm
Description: stainless steel mounting box for recessed installation during concrete work, can be equipped with conduit connectors to click-in the conduit



6. shoulder mounting

MarkLED EXIT can also be shoulder mounted with special power collector and GIFAS system cables. The system can be integrated into the shoulder by drilling and milling. With this installation method the tunnel wall will be illuminated in case of incident. Contact us for more information.



Your contacts

Feel free to contact us for any further information you might need. We will be pleased to be of your support.

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