



olympia™
electronics
SAFETY & SECURITY SYSTEMS

for a safer world!

Emergency lighting

CATALOG 2018



European
manufacturer





for a safer world!

European
manufacturer



Since
1979

- Innovative electronic safety and security systems
- Strong presence in over 72 countries worldwide
- Certified products according to the European standards



1.KM640081
BS EN 60598-2-22
2.KM640086
BS EN 62034



SAFETY & SECURITY SYSTEMS

for a safer world!

KNK-6352



1.KM640081
BS EN 60598-2-22
2.KM640086
BS EN 62034

Dedication
to
QUALITY

OLYMPIA ELECTRONICS S.A. aiming in the quality, has adopted in the last years, production and inspection procedures that have supplied the market with products that are totally in accordance with European construction prototypes (EN).

For the production, the company applies advanced systems "world class manufacturing" such as lean systems , TPM, 5S which give it competitive advantages.

Its products allocate certificates from various laboratories such as: LPCB, VdS, LLOYD'S, H.E.E.Q.A.C, EVPU, BSI, BUREAU VERITAS, TUV e.t.c.

The company applies a complete management system IQMS "oly q" which include quality management systems, as well as environmental, hygiene and personnel safety management systems.

Olympia Electronics S.A. has been certified according to ISO9001, OHSAS 18001, ISO 140001 and for the second time (first time in 2005) has been accredited the European enterprise distinction in the scope of EFQM Levels of Excellence.

Also since 2011 the company holds the bee bronze award of the European Business Ethics Network.

Our

PRODUCTS



- Emergency lighting
- Central battery systems (LPS Low Power System)
- Converters



Some of
our

PROJECTS

AIRPORTS

Arlanda Airport / Sweden
Landvettar Airport / Sweden
Macedonia Airport / Greece
Lisbon Airport / Portugal
New Delhi Airport / India
El. Venizelos
Frankfurt Airport / Germany
Oslo Airport / Norway
Doha International airport / Qatar.

HOTELS

Asplund Hotel / Sweden
Movenpick / Petra, Jordan
Hilton, Athens / Greece
Le Royal Hotel / Dbayeh, Lebanon
King George, Athens / Greece
Desert Night Camp / Oman.

VARIOUS INSTALLATIONS

Frescati university library / Sweden
Happel Stadium / Vienna , Austria
Schwerin metro / Germany
Better Life Appliances for Cayan Tower/ Dubai,
Hushagsgymnasiet school / Sweden
Sportsarena Änglagården / Sweden
Olympic village / Greece
Twin Tower / Lebanon
Kadrah Grid Station / Oman
ARGO OFFICES / Prague, Czech Republic
Prioritet Serneke Arena / Sweden
Press center of the Olympic games / Rio, Brazil.

SHOPPING MALLS

Armada shopping center / UK
Solaris shopping center / Estonia
Bergvik shopping center / Sweden
Dubai Mall / Dubai
Beirut City Centre / Lebanon
El Corte Inglés / Spain
Shopping center Mitt I city / Sweden.

EXPORTS

- 📍 European Union
- 📍 Eastern European countries & Russia
- 📍 Middle East and countries of Gulf
- 📍 Africa
- 📍 U.S.A.
- 📍 Iceland



We export
to 72 countries
of Abroad



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Emergency Lighting

LED emergency luminaires

■ GENERAL EMERGENCY LUMINAIRE CATEGORIES

NON- MAINTAINED EMERGENCY LUMINAIRES.

These luminaires operate only during an interruption of the mains power supply.

They consist of a charging circuit, rechargeable batteries(usually Ni-Cd), a control circuit and a lamp ignition circuit, if the luminaire contains a fluorescent tube.

MAINTAINED EMERGENCY LUMINAIRES.

Luminaires of this type operate either from the mains power supply and during the interruption of the mains power supply. The same lamp is used for both instances.

They consist of a lamp operation circuit from the mains power supply (usually and electronic ballast), a charging circuit, rechargeable batteries (usually Ni-Cd), a control circuit and an inverter for the lamp, if the luminaire contains a fluorescent tube.

SUSTAINED EMERGENCY LUMINAIRES.

This type of emergency luminaires is identical in operation with the maintained type with the only difference that two lamps are used, one for emergency operation and the other for operation with the mains power supply.

SLAVE EMERGENCY LUMINAIRES.

These luminaires do not contain battery for their operation but depend on external power sources (central battery systems). The slave luminaires are categorized according to their operation voltage. There are models for 12, 24 V AC/DC and 230V AC/DC.

■ NEW TECHNOLOGY EMERGENCY LUMINAIRES

SELF-TESTING «INTELLIGENT» EMERGENCY LUMINAIRES.

This special category incorporates high technology microprocessors monitor basic operation parameters. The intelligent luminaires of olympia electronics monitor and test for:

- Correct charging, internal circuitry operation and the correct battery installation on a continuous basis.
- Correct lamp operation every 15 days.
- Autonomous duration by fully discharging every 6 months

They have three LEDs by which they show their operational state. This permits maintenance personnel with a glance, to know exactly which luminaires require maintenance and what type of maintenance is required. The intelligent luminaires are also available in non-maintained, maintained and sustained types.

ADDRESSABLE EMERGENCY LUMINAIRES.

These types of luminaires operate with the same philosophy as the intelligent type with the main difference that the tests are conducted by commands that are issued by a central control panel, which is programmed by the user as to the type of test and when it will be conducted. The results of every test is stored into the panel's memory and can be seen on the panel's screen or can be printed. The installation and commissioning of such a system is surely more

difficult but offers many advantages and capabilities compared to a system with common emergency luminaires.

CENTRALLY SUPPLIED ADDRESSABLE EMERGENCY LUMINAIRES.

They operate with the same philosophy as the addressable emergency luminaires with the difference that they do not have batteries but are powered and simultaneously monitored by a central control panel. The installations of this type, apart from other things, have very few maintenance requirements because the batteries and all control circuitry are located in the central control panel.



■ INSTALLATION OF EMERGENCY LUMINAIRES

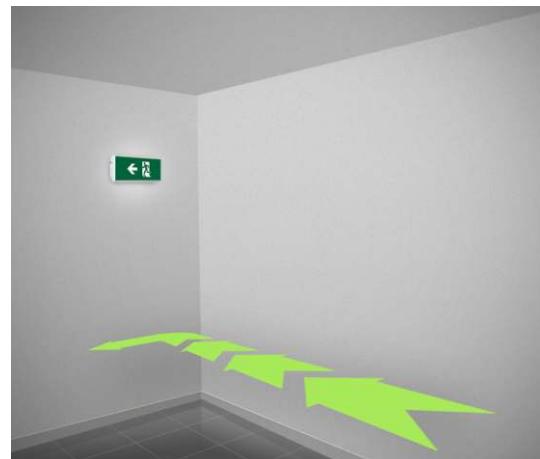
The guidelines below will attempt to give simple and understandable instruction and guides to installers that design, install and commission emergency luminaire systems. These guidelines were based on European requirements.



Emergency luminaires must be mounted in crucial points such as:



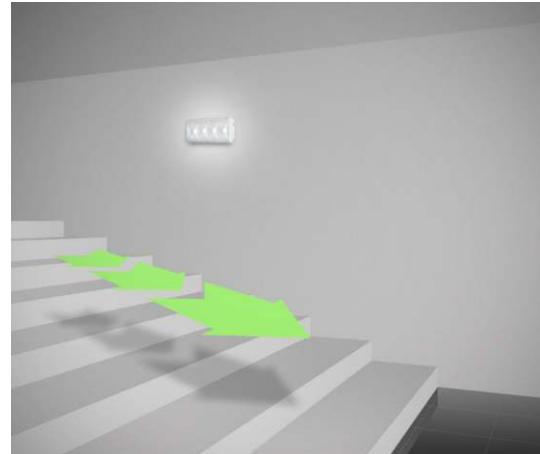
Near corridor crossings.



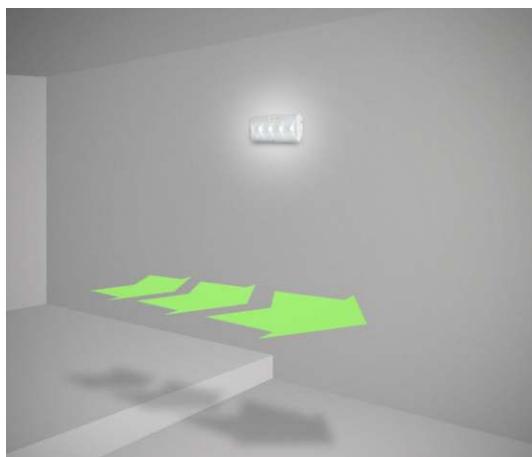
Close to corridor ending where a change of direction is required.



Near Hazard exits.



In stairwells to supply sufficient illumination to each step.



Near each floor level variation.



Near every call point.



Externally or near every final exit.



Near fire-extinguishing gear (e. i. Fire hoses).

On pre-determined escape routes.

Escape routes must be illuminated with a minimum of 1 lux along the central line of the corridor and 0,5 lux after the central line with a width of 1 meter. The spots between the common luminaires must be filled with emergency luminaires in order for the maximum installation distances that are proposed by the manufacturer are not exceeded.

In open or anti-panic areas.

In these areas, the illumination must be 0,5 lux in any point as suggested by European regulations.
Other areas that are not considered escape routes but are required to have emergency luminaires are the following:
- Elevators.
- Rest rooms for the public and people with special needs.
- Control rooms

DURATION OF AUTONOMOUS OPERATION.

The autonomous duration of the emergency luminaires should be such as to permit the safe evacuation of the building in the event of an emergency. The minimum requirement set by Greek regulations is 90 minutes. Health and social welfare buildings (hospitals, clinics, health centers e.t.c) require a minimum of 3 hours.

(The duration of autonomous operation, according to Greek regulations is 90 minutes. In other European countries such as Germany, England and Arabic countries the minimum autonomous duration is 3 hours.)



Near first aid stations.



■ DESIGNING

When designing an emergency luminaire system, the following must be accounted for:

Goal

It is for escape routing or for standby illumination (emergency lighting)

In the case of escape routing illumination we can simply follow the regulations rules, whereas in the case of emergency lighting we must take into account the real illumination requirement needed by a specific area (e.i The security office of a building)

Regulations

The regulations that must be adhered to are specific for each country. In many instances it is seen that regulations regarding even basic emergency luminaires systems are not adhered to. In these cases an installer must think of the probability he may have to redesign and reinstall the whole system upon demand from local or European fire safety committees.



Types of signs according to
105/1995 standards

Design requirements

In order for escape routes to become obvious, indication signs are used where required. Up-to know, signs had words written on them, for example "EXIT". In modern days the signs must contain pictograms according to Euro norm 92/58/. Pictograms are used so that they are understandable by people that do not know the local language.

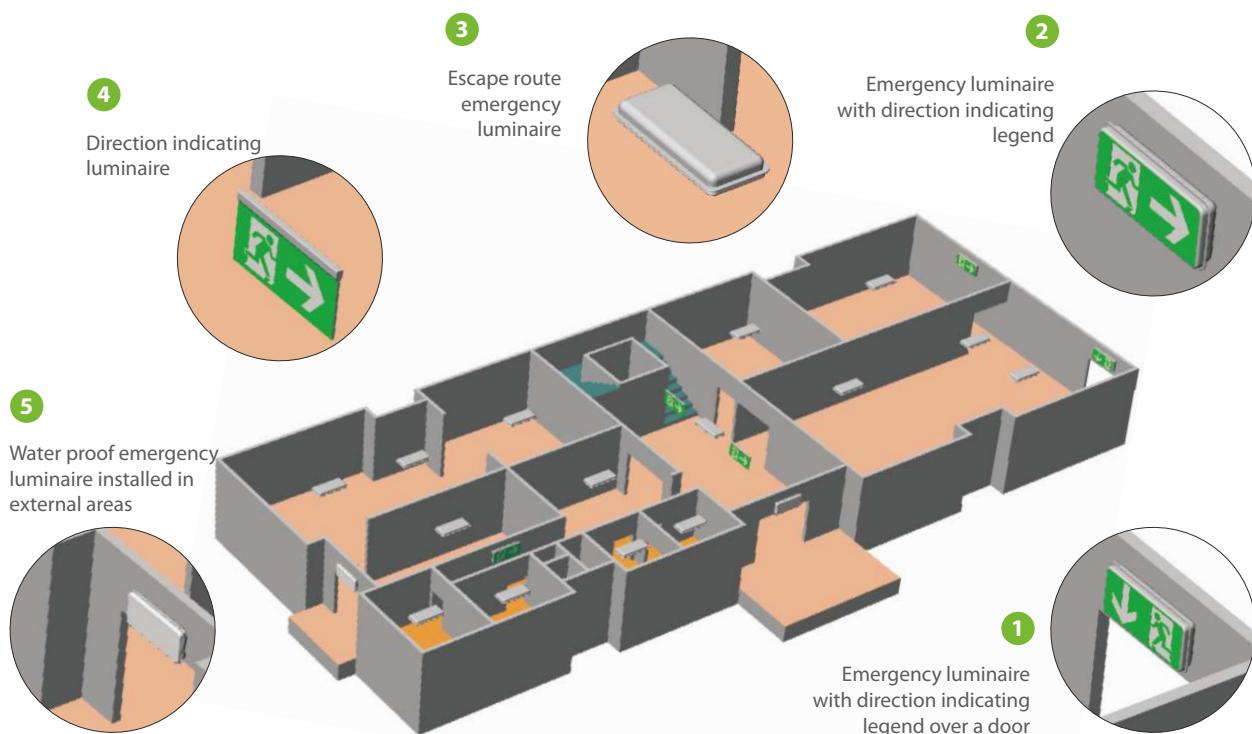
The signs must comply to Euro Norms EN 1838 where color, size and maximum legible distance are specified signs that are illuminated from an external light source, the legible distance must be 100 times the height of the sign.

Signs that are self-illuminated or are part of an emergency luminaire must have a legible distance that is 200 time the height of the sign.



For example: In a corridor with a length of 20 meters we must install an indication sign with a height of at least 10cm at one end in order for it to be clearly visible in the other end.

■ EXAMPLE OF INSTALLATION OF EMERGENCY AND INDICATION LUMINAIRES



■ LIGHT OUTPUT OF EMERGENCY LUMINAIRES

On the following pages, there are many emergency luminaires that use LEDs as light source. In order to becomes comprehensible the equivalence between them and the ordinary luminaires that use lamps,

below is a list with the light output of emergency luminaires with fluorescent lamps. The stated light output is the light output produced during emergency operation.

TYPE	LIGHT OUTPUT	POWER FROM BATTERY
Emergency luminaire with lamp 1x6W (T5)	50 lumen	1,9W
Emergency luminaire with 9 LEDs	75 lumen	0,65W
Emergency luminaire with lamp 1x8W (T5)	85 lumen	1,7W
Emergency luminaire with 12 LEDs	100 lumen	0,9W
Emergency luminaire with lamp 2x8W (T5)	170 lumen	3,5W
Emergency luminaire with 24 LEDs	200 lumen	2W
Emergency luminaire with lamp 1x11W (CFL)	150 lumen	3,9W
Emergency luminaire with 21 LEDs	175 lumen	1,75W
Emergency luminaire with lamp 2x20W (Iodine)	580 lumen	28W
Emergency luminaire with 2x42 LEDs	790 lumen	7,5W
Emergency luminaire with lamp 2x55W (Iodine)	2050 lumen	74W
Emergency luminaire with 2x6 Power Leds	3200 lumen	28W



Technical specification are subject to change after the catalog has been published. For any clarifications please come in contact with our technical department



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Slim LEDs light



IRT200A
Remote control



The packaging contains: 12 pcs.
Packaging dimensions (LxWxH): 324x284x178

Three adhesive legends included in the package (right, left, down)



After order the set of right/left screw hiding cups for GR-2000
at white: 927200000
at bronze: 927200001

LED SELF-TESTING MAINTAINED / NON-MAINTAINED EMERGENCY LUMINAIRE 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-2000	A	923200000	3,6V/1Ah Ni-Cd	2-7 h	3,8W/8,2VA	125/125 lm	420 gr

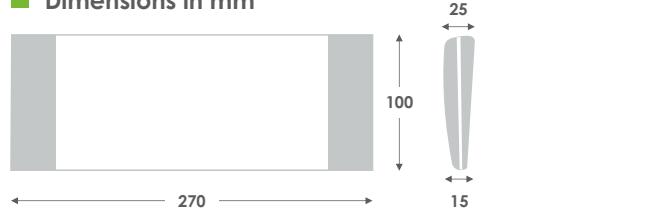
LED EMERGENCY LUMINAIRE 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-2000/CBS	A	923200004	emergency luminaire	1,55W/1,78VA	125 lm	350 gr

ACCESSORIES

TYPE	CODE	COLOUR	DESCRIPTION
A-2000/W	927200000	White	Set of right / left screw hiding cup for GR-2000
A-2000/B	927200001	Gold	Set of right / left screw hiding cup for GR-2000
IRT200A	490000077		Remote control for GR-2000

Dimensions in mm



Legends

Additional stickers after order



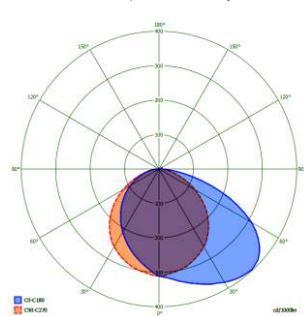
807200000
S-20000/S65L

807200000
S-20000/S65R

807200000
S-20000/S65D

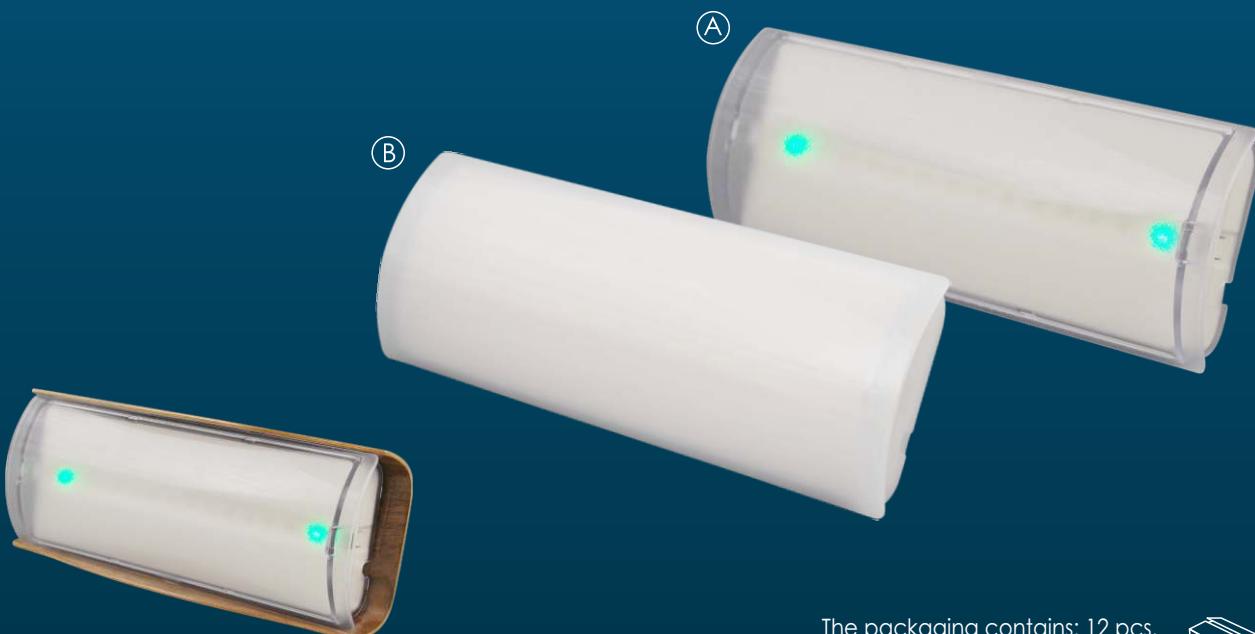
Photometric data

GR-2000, GR-2000/CBS





Slim LEDs light



The packaging contains: 12 pcs.
Packaging dimensions (LxWxH): 475x300x235
Three adhesive legends included in the package (right, left, down)



CE

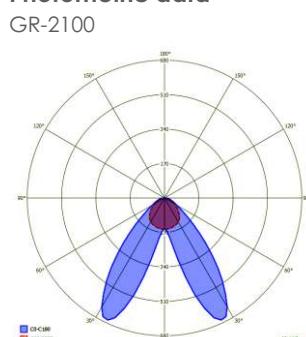
LED MAINTAINED/NON-MAINTAINED EMERGENCY LUMINAIRE 220-240V AC

TYPE	BILD	DIFFUSOR	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-2100	A	clear	923210000	3,6V/600mAh Ni-Cd	1,5 h	2,7W / 2,7VA	40/100 lm	565 gr
GR-2100/OPAL	B	opal	923210001	3,6V/600mAh Ni-Cd	1,5 h	2,7W / 2,7VA	38/100 lm	565 gr
GR-2110	A	clear	923211002	3,6V/1Ah Ni-Cd	3 h	3W / 3VA	40/100 lm	570 gr
GR-2110/OPAL	B	opal	923211003	3,6V/1Ah Ni-Cd	3 h	3W / 3VA	38/100 lm	575 gr

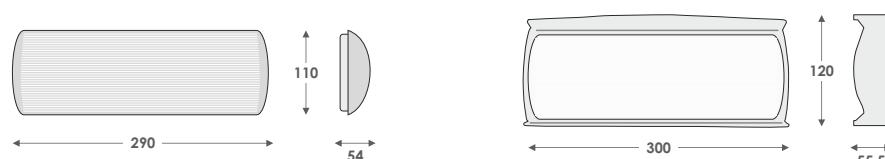
WOODEN BASE

TYPE	CODE	COLOUR
WB-2100/CH	927210000	Cherry
WB-2100/NC	927210001	Natural cherry
WB-2100/WN	927210002	Walnut

Photometric data



Dimensions in mm



Legends

Additional stickers after order



807210000
S-21000/S65L

807210000
S-21000/S65R

807210000
S-21000/S65D

Slim & Classic Light



The packaging contains: 20pcs.(A) 16 pcs.(B)
Packaging dimensions (LxWxH): 375x270x255mm (A) 315x265x205mm (B)
Three adhesive legends included in the package (right, left, down)



■ Accessories



■ Legends

Additional stickers after order

Slim LEDs (Pic. A)

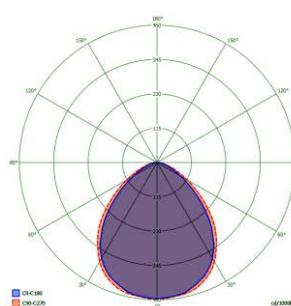


Classic (Pic. B)



■ Photometric data

GR-8/leds, GR-9/leds





■ LED MAINTAINED / NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-8/leds	A	923378005	3,6V/600mAh Ni-Cd	1,5 h	2,7W/3VA	40/100 lm	390 gr.
GR-9/leds	A	923009007	3,6V/1Ah Ni-Cd	3 h	3W/3,5VA	38/100 lm	410 gr.

■ LED MAINTAINED EMERGENCY LUMINAIRE 42V AC FOR ELEVATORS

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-119/6L/42V	B	923119004	3,6V/1,5Ah Ni-Cd	1,5 h	4,5VA	150/300 lm	680 gr

■ LED MAINTAINED / NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-151-3/L	B	923151004	3,6V/1Ah Ni-Cd	3 h	3W/4VA	30/75 lm	670 gr
GR-108/12L/90	B	923108013	3,6V/600mAh Ni-Cd	1,5 h	2,5W/3VA	40/100 lm	630 gr
GR-109/12L/180	B	923109004	3,6V/1Ah Ni-Cd	3 h	3W/3,5VA	38/100 lm	635 gr

■ ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-3008	3	927300800	Base for recessed mounting on suspended ceiling (Slim Light)
A-1015	2	927101500	Base for recessed mounting on suspended wall or ceiling (Classic Light)

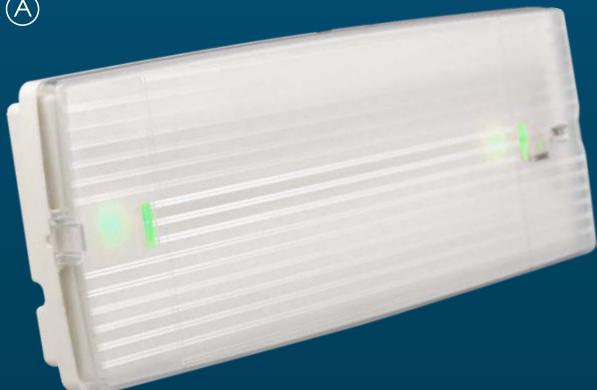
■ Dimensions in mm



Easy Light



(A)



(B)

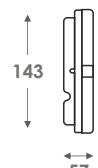
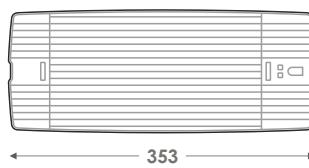


The packaging contains: 16 pcs. (A), 15 pcs. (B),
Packaging dimensions (LxWxH): 430x375x275mm
Three adhesive legends included in the package (right, left, down)

CE

Dimensions in mm

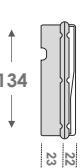
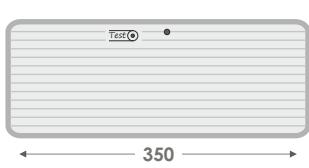
(Pic. A)



Opening required for suspended ceiling mounting



(Pic. B)



-45-

Legends

Additional stickers after order



Pic. A
807310002 S-31101/S65L



Pic. A
807310002 S-31101/S65R



Pic. A
807310002 S-31101/S65D

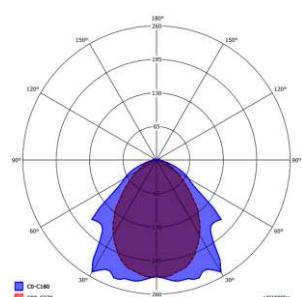
Pic. B
807310000 S-31100/S65L

Pic. B
807310000 S-31100/S65R

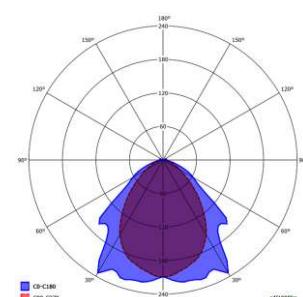
Pic. B
807310000 S-31100/S65D

Photometric data

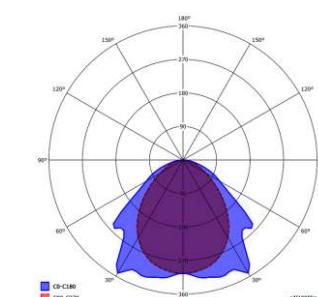
Easy Light/6P



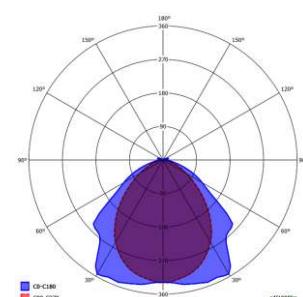
Easy Light/4P



Easy Light/15L/A



Easy Light/30L/A

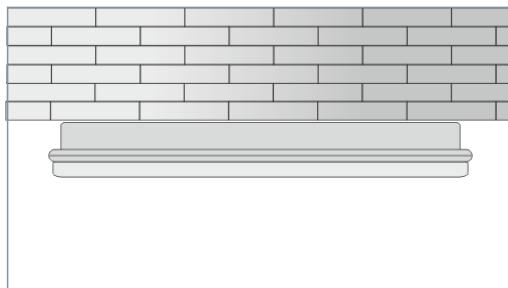




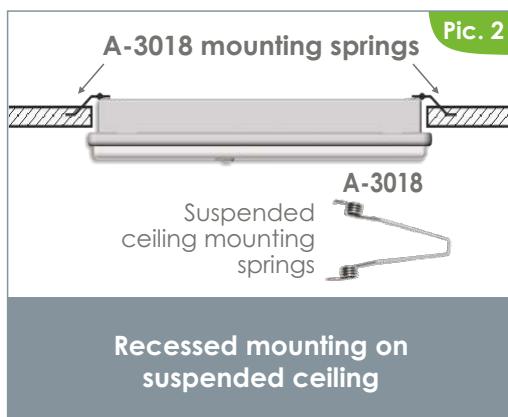
■ Mounting methods



Ceiling mounting with
SP-116 marking sign
(SP-114 for the GR-310)



Ceiling or wall mounting



Wall mounting with
SP-116 marking sign
(SP-114 for the GR-310)



**LED MAINTAINED / NON MAINTAINED (internal selection - with jumper)
EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-310/12L/180/A	A	923310048	3,6V/1Ah Ni-Cd	3 h	3,2VA	38/100lm	850 gr
GR-310/12L/90/A	A	923310049	3,6V/600mAh Ni-Cd	1,5 h	3,2VA	40/100lm	840 gr
GR-310/15L/A*	A	923310047	3,6V/600mAh Ni-Cd	1,5 h	3,3VA	30/105lm	840 gr
GR-312/15L/A*	A	923312026	3,6V/1,5Ah Ni-Cd	3 h	3,6VA	30/105 lm	920 gr
GR-310/30L/A*	A	923310046	3,6V/1,5Ah Ni-Cd	1,5 h	3,5VA	30/210 lm	920 gr
GR-312/30L/A*	A	923312025	3,6V/3Ah Ni-Cd	3 h	4,8VA	30/210 lm	1020 gr
GR-309/15L/A	A	923309002	3,6V/3Ah Ni-Cd	8 h	5,2VA	38/125 lm	980 gr

LED NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-310/4P/A	A	923310050	4,8V/1,5Ah Ni-Cd	1,5 h	4,7VA	350 lm	990 gr
GR-310/6P/A	A	923310051	4,8V/3Ah Ni-Cd	1,5 h	4VA	480 lm	1080 gr
GR-312/4P/A	A	923312027	4,8V/3Ah Ni-Cd	3 h	4,9VA	350 lm	1080 gr
GR-312/6P/A	A	923312028	4,8V/4Ah Ni-MH	3 h	5,2VA	480 lm	1130 gr

LED SELF-TESTING MAINTAINED / NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-315/15L/A*	A	923315024	3,6V/600mAh Ni-Cd	1,5 h	3,8VA	105/105 lm	810 gr
GR-316/15L/A*	A	923316020	3,6V/1,5Ah Ni-Cd	3 h	3,7VA	105/105 lm	890 gr
GR-315/30L/A*	A	923315025	3,6V/1,5Ah Ni-Cd	1,5 h	4,9VA	210/210 lm	890 gr
GR-316/30L/A*	A	923316021	3,6V/3Ah Ni-Cd	3 h	5,6VA	210/210 lm	960 gr
GR-308/15L/A	A	923308003	3,6V/3Ah Ni-Cd	8 h	4VA	125/125lm	965 gr
GR-315/4P/A	A	923315026	4,8V/1,5Ah Ni-Cd	1,5 h	5,1VA	175/350 lm	930 gr
GR-315/6P/A	A	923315027	4,8V/3Ah Ni-Cd	1,5 h	6,5VA	245/480 lm	1020 gr
GR-316/4P/A	A	923316022	4,8V/3Ah Ni-Cd	3 h	5,7VA	175/350 lm	1020 gr
GR-316/6P/A	A	923316023	4,8V/4Ah Ni-MH	3 h	6,5VA	245/480 lm	1060 gr

**LED SELF-TESTING ADDRESSABLE MAINTAINED / NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC
(for GR-6500 Panel)**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-315/15L/ADR/A*	A	923315022	3,6V/600mAh Ni-Cd	1,5 h	3,8VA	105/105 lm	740 gr
GR-316/15L/ADR/A*	A	923316018	3,6V/1,5Ah Ni-Cd	3 h	3,7VA	105/105 lm	810 gr
GR-315/30L/ADR/A*	A	923315023	3,6V/1,5Ah Ni-Cd	1,5 h	4,9VA	210/210 lm	810 gr
GR-316/30L/ADR/A*	A	923316019	3,6V/3Ah Ni-Cd	3 h	5,6VA	210/210 lm	890 gr
GR-308/15L/ADR/A	A	923308004	3,6V/3Ah Ni-Cd	8 h	4VA	125/125lm	870 gr

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KM640081
BS EN 60598-2-22



■ LED EMERGENCY LUMINAIRE 24V DC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-325/6P/24V DC/A	A	923325008	emergency luminaire	5,7W	580 lm	
GR-324/15L/24V DC/A	A	923324018	emergency luminaire	1W	100 lm	700 gr
GR-324/30L/24V DC/A	A	923324019	emergency luminaire	2W	200 lm	700 gr

■ LED EMERGENCY LUMINAIRE 24V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-324/15L/24V ACDC/A	A	923324016	emergency luminaire	1,25W/1,4VA	125 lm	700 gr
GR-324/30L/24V ACDC/A	A	923324017	emergency luminaire	2,6W/2,8VA	250 lm	700 gr

■ LED ADDRESSABLE EMERGENCY LUMINAIRE 24V DC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-324/15L/24V/ADR/A	A	923324021	emergency luminaire	1,5W	125lm	640 gr
GR-324/30L/24V/ADR/A	A	923324022	emergency luminaire	2,3W	255lm	640 gr

■ LED EMERGENCY LUMINAIRE 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-324/4P/A	A	923324013	emergency luminaire	5,3W/5,4VA	460 lm	730 gr
GR-325/6P/A	A	923325006	emergency luminaire	6,7W/7VA	580 lm	730 gr
GR-324/15L/A	A	923324014	emergency luminaire	1,8W/1,9VA	125 lm	730 gr
GR-324/30L/A	A	923324015	emergency luminaire	3W/3,1VA	250 lm	730 gr

■ ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
SP-116	1	922116000	Marking sign
A-3018	2	980330180	Suspended ceiling mounting springs

■ LED MAINTAINED / NON MAINTAINED (internal selection - with jumper)
EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-310/12L/180	B	923310025	emergency luminaire	3,5VA	40 lm / 85lm	780 gr
GR-310/12L/90	B	923310026	emergency luminaire	3VA	40 lm / 85lm	765 gr
GR-310/15L	B	923310030	emergency luminaire	3,5VA	40 lm / 105 lm	770 gr

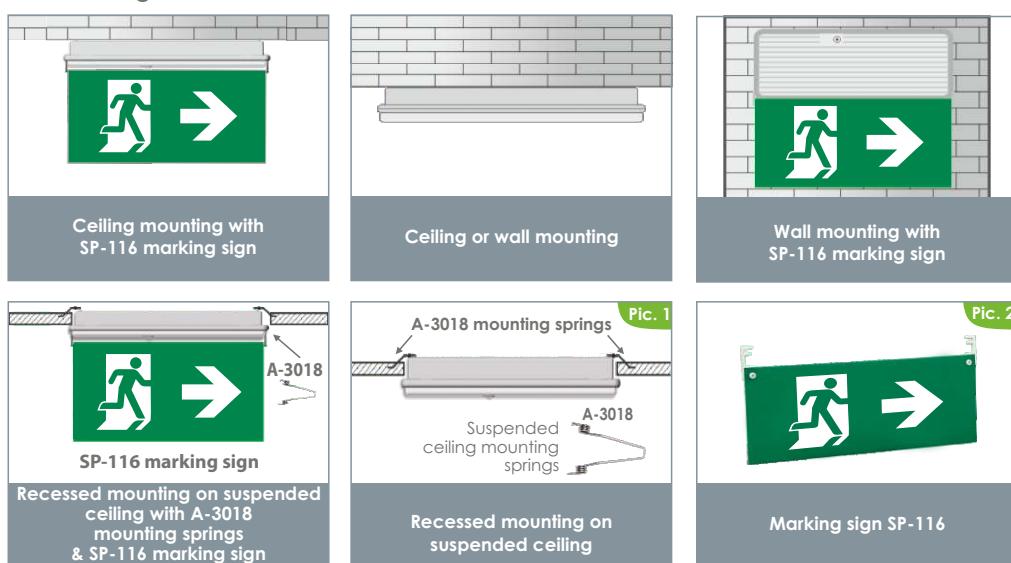
New Easy Light



The packaging contains: 16 pcs.
Packaging dimensions (LxWxH): 430x375x275mm
Three adhesive legends included in the package (right, left, down)



Mounting methods



Legends

Additional stickers after order

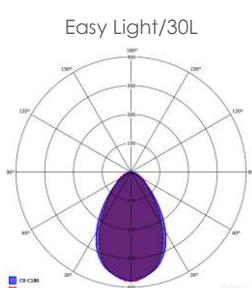
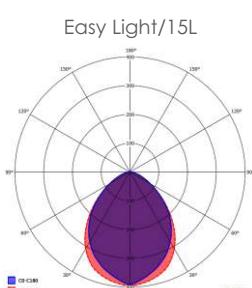
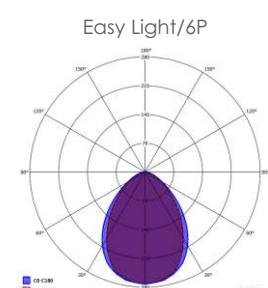
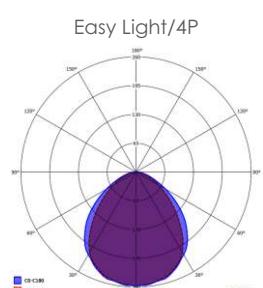


807131000
S-13100/\$65L

807131000
S-13100/\$65R

807131000
S-13100/\$65D

Photometric data





**LED MAINTAINED / NON MAINTAINED (internal selection - with jumper)
EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1310/12L/180	A	923131004	3,6V/1Ah Ni-Cd	3 h	3,2VA	38/100lm	850 gr
GR-1310/12L/90	A	923131005	3,6V/600mAh Ni-Cd	1,5 h	3,2VA	40/100lm	840 gr
GR-1310/15L*	A	923131000	3,6V/600mAh Ni-Cd	1,5 h	3,5VA	30/105 lm	840 gr
GR-1312/15L*	A	923131200	3,6V/1,5Ah Ni-Cd	3 h	3,5VA	30/105 lm	920 gr
GR-1310/30L*	A	923131001	3,6V/1,5Ah Ni-Cd	1,5 h	3VA	30/210 lm	920 gr
GR-1312/30L*	A	923131201	3,6V/3Ah Ni-Cd	3 h	4VA	30/210 lm	1020 gr

LED SELF-TESTING MAINTAINED / NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1315/15L	A	923131500	3,6V/600mAh Ni-Cd	1,5 h	3,8VA	105/105 lm	810 gr
GR-1315/30L	A	923131501	3,6V/1,5Ah Ni-Cd	1,5 h	4,9VA	210/210 lm	890 gr
GR-1315/4P	A	923131502	4,8V/1,5Ah Ni-Cd	1,5 h	5,1VA	175/350 lm	930 gr
GR-1315/6P	A	923131503	4,8V/3Ah Ni-Cd	1,5 h	6,5VA	245/480 lm	1020 gr
GR-1316/15L*	A	923131600	3,6V/1,5Ah Ni-Cd	3 h	3,7VA	105/105 lm	890 gr
GR-1316/30L*	A	923131601	3,6V/3Ah Ni-Cd	3 h	5,6VA	210/210 lm	960 gr
GR-1316/4P	A	923131602	4,8V/3Ah Ni-Cd	3 h	5,7VA	175/350 lm	1020 gr
GR-1316/6P	A	923131603	4,8V/3Ah Ni-Cd	3 h	6,5VA	245/480 lm	1060 gr

LED NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC- 50/60 Hz

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-1310/4P	A	923131002	4,8V/1,5Ah Ni-Cd	1,5 h	4VA	350 lm	990 gr
GR-1310/6P	A	923131003	4,8V/3Ah Ni-Cd	1,5 h	5VA	480 lm	1080 gr
GR-1312/4P	A	923131202	4,8V/3Ah Ni-Cd	3 h	5VA	350 lm	1080 gr
GR-1312/6P	A	923131203	4,8V/4Ah Ni-MH	3 h	6VA	480 lm	1130 gr

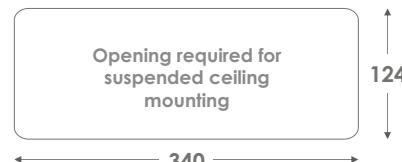
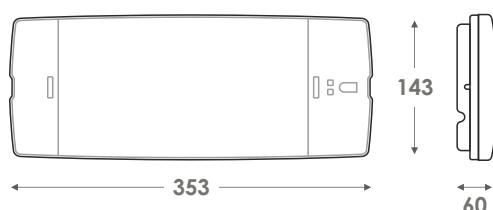
**LED SELF-TESTING ADDRESSABLE MAINTAINED / NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC
(for GR-6500 Panel)**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1315/15L/ADR*	A	923131504	3,6V/0,6Ah	1,5 h	3,4W / 3,8VA	105 lm/105lm	830 gr
GR-1315/30L/ADR*	A	923131505	3,6V/1,5Ah	1,5 h	4,5W / 4,9VA	210 lm/210lm	910 gr
GR-1316/15L/ADR*	A	923131604	3,6V/1,5Ah	3 h	3,3W / 3,7VA	105 lm/105lm	910 gr
GR-1316/30L/ADR*	A	923131605	3,6V/3Ah	3 h	5,3W / 5,6VA	210 lm/210lm	980 gr

ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-3018	1	980330180	Suspended ceiling mounting springs
SP-116	2	922116000	Marking sign

Dimensions in mm



KM640081
BS EN 60598-2-22

Comfort Light



The packaging contains: 15 pcs.

Packaging dimensions (LxWxH): 385x285x295mm

Three adhesive legends included in the package (right, left, down)



Mounting methods



Ceiling mounting with SP-115 marking sign

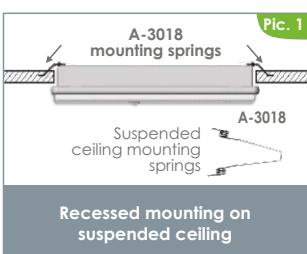


Ceiling or wall mounting



SP-115 marking sign

Recessed mounting on suspended ceiling with A-3018 mounting springs & SP-115 marking sign



Pic. 1
A-3018 mounting springs
Suspended ceiling mounting springs

Recessed mounting on suspended ceiling

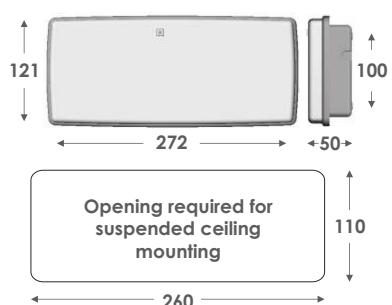


Wall mounting with SP-115 marking sign



SP-115 marking sign

Dimensions in mm



Opening required for suspended ceiling mounting

Legends

Additional stickers after order



807400000
S-40000/S65L



807400000
S-40000/S65R



807400000
S-40000/S65D



LED SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-421/3L	A	923421003	3,6V/1Ah Ni-Cd	1,5 h	7VA	150/150 lm	570 gr	IK 10
GR-421/6L	A	923421002	3,6V/1,5Ah Ni-Cd	1,5 h	7VA	150/300 lm	660 gr	IK 10
GR-423/3L	A	923423003	3,6V/1,5Ah Ni-Cd	3 h	7,5VA	150/150 lm	660 gr	IK 10
GR-423/6L	A	923423005	3,6V/3Ah Ni-Cd	3 h	7,5VA	150/300 lm	730 gr	IK 10
GR-421/12L	A	923421007	3,6V/600mAh Ni-Cd	1,5 h	6,5VA	100/100 lm	580 gr	IK 10
GR-421/24L	A	923421008	3,6V/1Ah Ni-Cd	1,5 h	7VA	200/200 lm	590 gr	IK 10
GR-423/12L	A	923423007	3,6V/1Ah Ni-Cd	3 h	6,5VA	100/100 lm	590 gr	IK 10
GR-423/24L	A	923423008	3,6V/2Ah Ni-MH	3 h	7VA	200/200 lm	670 gr	IK 10
GR-427/12L	A	923427000	3,6V/3Ah Ni-Cd	8 h	7VA	100/100 lm	690 gr	IK 10

LED NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-408/3L	A	923408004	3,6V/1Ah Ni-Cd	1,5 h	3VA	150 lm	700 gr	IK 10
GR-408/6L	A	923408005	3,6V/1,5Ah Ni-Cd	1,5 h	3,5VA	300 lm	790 gr	IK 10
GR-409/3L	A	923409003	3,6V/1,5Ah Ni-Cd	3 h	3,5VA	150 lm	790 gr	IK 10
GR-409/6L	A	923409006	3,6V/3Ah Ni-Cd	3 h	4VA	300 lm	820 gr	IK 10
GR-408/12L**	A	923408010	3,6V/600mAh Ni-Cd	1,5 h	3VA	100/100lm	590 gr	IK 10
GR-409/12L**	A	923409007	3,6V/1Ah Ni-Cd	3 h	3,5VA	100/100lm	610 gr	IK 10
GR-440/12L	A	923440000	3,6V/3Ah Ni-Cd	8 h	4,3VA	100 lm	770 gr	IK 10

** Maintained / Non maintained operation (internal selection with jumper)

ACCESSORIES

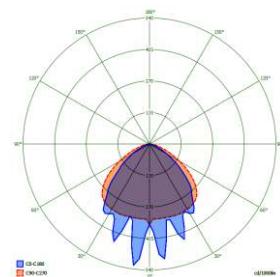
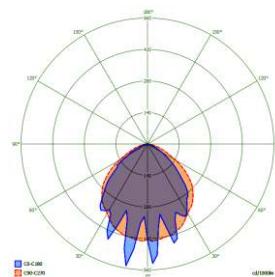
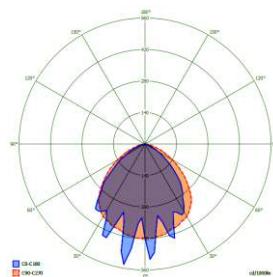
TYPE	PICTURE	CODE	DESCRIPTION
A-3018	1	980330180	Suspended ceiling mounting springs
SP-115	2	922115000	Marking sign

Photometric data

GR-421/3L, GR-423/3L, GR-408/3L,
GR-409/3L, GR-414/3L, GR-414/3L/24V

GR-421/6L, GR-423/6L, GR-408/6L,
GR-409/6L, GR-414/6L, GR-414/6L/24V

GR-421/12L, GR-423/12L, GR-427/12L,
GR-408/12L, GR-409/12L, GR-440/12L,
GR-414/12L, GR-414/12L/24V



Weather Light

Waterproof emergency
luminaires



(A)



(B)



The packaging contains: 12 pcs.

Packaging dimensions (LxWxH): 500x375x315mm

Three adhesive legends included in the package (right, left, down)



Mounting methods



Wall mounting

Legends

Additional stickers after order



705690016
S-93593/S65L

705690017
S-93593/S65R

705690018
S-93593/S65D

Pic. 1



A-1017 Diffusor (Pic. B)

All GR-9xx series codes can also be provided with plastic double sided diffuser with order code: GR-9xx/A-1017 (pic. B)

Legends for A-1017 diffuser

Additional stickers after order



705693003
S-/S65L

705693004
S-/S65R

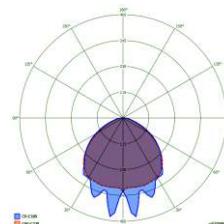
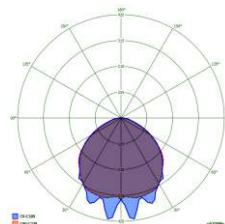
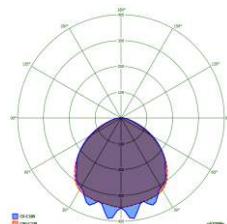
705693005
S-/S65D

Photometric data

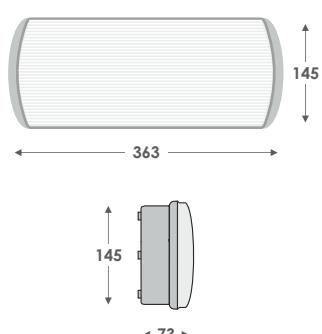
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GR-936/30L, GR-926/30L, GR-
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GR-939/30L, GR-926/30L, GR-936/30L,
GR-926/30L/24V

GR-938/4P, GR-939/4P, GR-935/4P,
GR-936/4P, GR-938/4P/60, GR-
938/4P, GR-939/4P, GR-945/4P,
GR-936/4P

GR-938/6P, GR-939/6P, GR-935/6P,
GR-936/6P, GR-938/6P, GR-312/6P,
GR-945/6P, GR-939/6P, GR-936/6P,



Dimensions in mm



LED WATERPROOF IP65, SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-938/15L*	A	923938006	3,6V/600mAh Ni-Cd	1,5 h	3,8VA	105/105 lm	980 gr	IK 08
GR-938/30L*	A	923938007	3,6V/1,5Ah Ni-Cd	1,5 h	4,9VA	210/210 lm	1050 gr	IK 08
GR-939/15L*	A	923939009	3,6V/1,5Ah Ni-Cd	3 h	3,7VA	105/105 lm	1050 gr	IK 08
GR-939/30L*	A	923939100	3,6V/3Ah Ni-Cd	3 h	5,6VA	210/210 lm	1130 gr	IK 08
GR-938/4P	A	923938003	4,8V/1,5Ah Ni-Cd	1,5 h	5VA	175/350 lm	1105 gr	IK 08
GR-938/6P	A	923938004	4,8V/3Ah Ni-Cd	1,5 h	6,2VA	245/480 lm	1195 gr	IK 08
GR-939/4P	A	923939007	4,8V/3Ah Ni-Cd	3 h	5,5VA	175/350 lm	1195 gr	IK 08
GR-939/6P	A	923939008	4,8V/4Ah Ni-Mh	3 h	6,4VA	245/480 lm	1250 gr	IK 08
GR-940/15L	A	923940000	3,6V/3Ah Ni-Cd	8 h	4,5VA	125/125 lm	1135 gr	IK 08

LED WATERPROOF IP65 NON-MAINTAINED LED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-935/15L	A	923935013	3,6V/600mAh Ni-Cd	1,5 h	3VA	125 lm	1010 gr	IK 08
GR-935/30L	A	923935014	3,6V/1,5Ah Ni-Cd	1,5 h	3VA	250 lm	1080 gr	IK 08
GR-936/15L	A	923936009	3,6V/1,5Ah Ni-Cd	3 h	3VA	125 lm	1080 gr	IK 08
GR-936/30L	A	923936010	3,6V/3Ah Ni-Cd	3 h	4,3VA	250 lm	1175 gr	IK 08
GR-935/4P	A	923935010	4,8V/1,5Ah Ni-Cd	1,5 h	4VA	350 lm	1140 gr	IK 08
GR-935/6P	A	923935011	4,8V/3Ah Ni-Cd	1,5 h	4,8VA	480 lm	1230 gr	IK 08
GR-936/4P	A	923936005	4,8V/3Ah Ni-Cd	3 h	4,8VA	350 lm	1230 gr	IK 08
GR-936/6P	A	923936006	4,8V/4Ah Ni-Mh	3 h	5,5VA	480 lm	1270 gr	IK 08
GR-941/15L	A	923941000	3,6V/3Ah Ni-Cd	8 h	4VA	125 lm	1175 gr	IK 08

LED WATERPROOF IP65 SELF-TESTING, LOW TEMPERATURE OPERATING (-20 °C) MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC (IDEAL FOR REFRIGERATORS & COLD ROOMS)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-938/30L/LT	A	923938016	3,6V/2Ah Ni-MH	1,5 h	33VA/31W	250/250 lm	1110 gr	IK 08
GR-939/30L/LT	A	923939016	3,6V/4Ah Ni-MH	3 h	35VA/32W	250/240 lm	1220 gr	IK 08



LED WATERPROOF IP65, ADDRESSABLE, SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC (for GR-6500 panel)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-938/15L/ADR*	A	923938014	3,6V/600mAh Ni-Cd	1,5 h	3,4VA	105/105 lm	980 gr	IK 08
GR-938/30L/ADR*	A	923938015	3,6V/1,5Ah Ni-Cd	1,5 h	4,7VA	210/210 lm	1050 gr	IK 08
GR-939/15L/ADR*	A	923939014	3,6V/1,5Ah Ni-Cd	3 h	3,5VA	105/105 lm	1050 gr	IK 08
GR-939/30L/ADR*	A	923939015	3,6V/3Ah Ni-Cd	3 h	5,5VA	210/210 lm	1130 gr	IK 08
GR-938/4P/ADR	A	923938012	4,8V/1,5Ah Ni-Cd	1,5 h	5,0VA	175/350 lm	1075 gr	IK 08
GR-938/6P/ADR	A	923938013	4,8V/3Ah Ni-Cd	1,5 h	6,2VA	245/480 lm	1215 gr	IK 08
GR-939/4P/ADR	A	923939012	4,8V/3Ah Ni-Cd	3 h	5,5VA	175/350 lm	1215 gr	IK 08
GR-939/6P/ADR	A	923939013	4,8V/4Ah Ni-Mh	3 h	6,4VA	225/415 lm	1270 gr	IK 08

LED WATERPROOF IP65 EMERGENCY LUMINAIRE 24V DC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-926/15L/24V DC	A	923926014	emergency luminaire IP65	1,05W	125 lm	830 gr
GR-926/30L/24V DC	A	923926015	emergency luminaire IP65	2,05W	250 lm	830 gr

LED WATERPROOF IP65 EMERGENCY LUMINAIRE 24V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-926/15L/24V ACDC	A	923926011	emergency luminaire IP65	1,5W/1,8VA	125 lm	830 gr
GR-926/30L/24V ACDC	A	923926012	emergency luminaire IP65	2,5W/2,8VA	250 lm	830 gr

LED WATERPROOF IP65 EMERGENCY LUMINAIRE 230V ACDC (für CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-926/15L	A	923926007	emergency luminaire Ip65	1,75W/2VA	125 lm	880 gr
GR-926/30L	A	923926008	emergency luminaire IP65	2,9W/3,2VA	250 lm	880 gr

ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-1017	1	927101700	Plastic double sided diffuser



KM640081
BS EN 60598-2-22

Weather Light

Waterproof emergency luminaire
with supercapacitor



- Ⓐ Low temperature operation
-30 °C to 50°C



innovation

10
years

no use
of batteries

guarantee



The packaging contains: 12 pcs.
Packaging dimensions (LxWxH): 500x375x315mm
Three adhesive legends included in the package (right, left, down)



■ Specifications for the new supercapacitor self-testing luminaire

- The GR-900/30L/SC has a power pack consisting of super capacitors and not conventional batteries.
- It has a total guarantee of 10 years.
- It is self-testing with advanced circuits for charging and discharging the capacitors.
- It has low consumption and a high Power Factor 0.93.

■ Mounting methods



■ Legends

Additional stickers after order



705690016
S-93593/S65L



705690017
S-93593/S65R



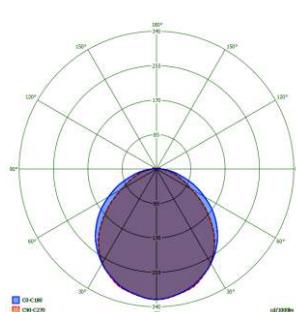
705690018
S-93593/S65D

■ Dimensions in mm



■ Photometric data

GR-900/30L/SC





**LED WATERPROOF IP65, SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRE
WITH SUPERCAPACITOR 220-240V AC**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROTECTION CLASS
GR-900/30L/SC	A	923900000	Supercapacitor	1 h	7W/7,5VA	250 / 95 lm	1250 gr.	IK 08

Using supercapacitors as energy storage media in place of conventional batteries is the most modern and sophisticated solution in emergency luminaires. Designed for, at least, 10 years of reliable function with much higher number of charging / discharging cycles. It can withstand much extreme temperatures like -40 °C and 65 °C without serious degradation of its specifications.



Comparing table of the supercapacitor, Ni-CD and Ni-MH batteries

	Supercapacitor	Ni-Cd battery	Ni-MH battery
Designed for	>10 Jahre	4 Jahre	4 Jahre
Number of charging / discharging cycles	>500.000	500 - 2000	300 - 1500
Working temperature range	-40 °C to 65°C	0 - 55°C	5 - 55°C

GR-900/30L/SC has advanced microprocessor based circuits for all functioning blocks and sophisticated charging/discharging method that's targeting supercapacitor's longer life.



**Accessory
A-1017**
Double-sided diffuser

New Weather Light

Waterproof
emergency luminaire



(A)



(B)



The packaging contains: 12 pcs.
Packaging dimensions (LxWxH): 500x375x315mm
Three adhesive legends included in the package (right, left, down)



Mounting methods



Pic. 1



A-9100 Double sided diffuser (Pic. B)

A-9100/ST Double sided diffuser for self-testing luminaires (Pic. B)

All GR-19xx series codes can also be provided with plastic double sided diffuser with order code: GR-19xx/A-9100 (pic. B)

Legends

Additional stickers after order



705693006
S-1938/S65L



705693008
S-1938/S65R



705693007
S-1938/S65D

Pic. 2



A-1900 Test card
(after order)

Magnetic test card for resetting errors
& manual test for all functions of the luminaire



LED WATERPROOF IP65, SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1938/15L*	A	923193800	3,6V/600mAh Ni-Cd	1,5 h	3,8VA	105/105 lm	730 gr
GR-1938/30L*	A	923193801	3,6V/1,5Ah Ni-Cd	1,5 h	4,9VA	210/210 lm	810 gr
GR-1939/15L*	A	923193900	3,6V/1,5Ah Ni-Cd	3 h	3,7VA	105/105 lm	810 gr
GR-1939/30L*	A	923193901	3,6V/3Ah Ni-Cd	3 h	5,6VA	210/210 lm	880 gr
GR-1938/4P	A	923193802	4,8V/1,5Ah Ni-Cd	1,5 h	5,1VA	175/350 lm	860 gr
GR-1938/6P	A	923193803	4,8V/3Ah Ni-Cd	1,5 h	6,5VA	245/480 lm	945 gr
GR-1939/4P	A	923193902	4,8V/3Ah Ni-Cd	3 h	5,7VA	175/350 lm	945 gr
GR-1939/6P	A	923193903	4,8V/4Ah Ni-Mh	3 h	6,5VA	245/480 lm	1000 gr

**LED WATERPROOF IP65 MAINTAINED/NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC
(internal selection with jumper)**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1935/15L*	A	923193500	3,6V/600mAh Ni-Cd	1,5 h	3VA	40/105 lm	765 gr
GR-1935/30L*	A	923193501	3,6V/1,5Ah Ni-Cd	1,5 h	3VA	40/210 lm	845 gr
GR-1936/15L*	A	923193600	3,6V/1,5Ah Ni-Cd	3 h	3VA	40/105 lm	845 gr
GR-1936/30L*	A	923193601	3,6V/3Ah Ni-Cd	3 h	4VA	40/210 lm	945 gr

LED WATERPROOF IP65 ADDRESSABLE MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRE 24V ACDC (for CBS)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1926/15L/24V/ADR	A	923192608	-	-	1,5W	125lm	510 gr
GR-1926/30L/24V/ADR	A	923192609	-	-	2,3W	255lm	510 gr

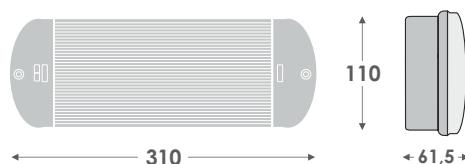
**LED WATERPROOF IP65, ADDRESSABLE, SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES
(for GR-6500 panel)**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1938/15L/ADR*	A	923193804	3,6V-600mAh	1,5h	3,8VA	105/105lm	595 gr
GR-1938/30L/ADR*	A	923193805	3,6V-1,5Ah	1,5h	4,9VA	210/210lm	675 gr
GR-1939/15L/ADR*	A	923193904	3,6V-1,5Ah	3h	3,7VA	105/105lm	675 gr
GR-1939/30L/ADR*	A	923193905	3,6V-3Ah	3h	5,6VA	210/210lm	745 gr

ACCESSORIES

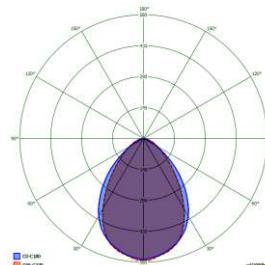
TYPE	PICTURE	CODE	DESCRIPTION
A-9100	1	927910001	Double sided diffuser
A-9100/ST	1	927910000	Double sided diffuser for self-testing luminaires
A-1900	2	927190000	Test card

Dimensions in mm



Photometric data

GR-1935/15L



*



KM640081
BS EN 60598-2-22

Double Easy & Rect light



Double Easy light



Rect light



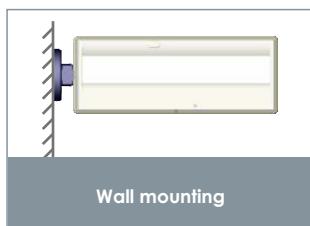
The packaging contains: 9 pcs. (A), 13 pcs. (B)

Packaging dimensions (LxWxH): 545x395x345mm

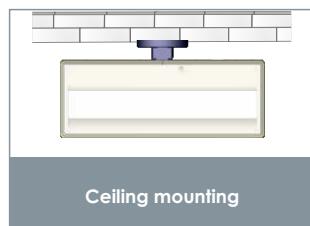
Three adhesive legends included in the package (right, left, down)



Mounting methods



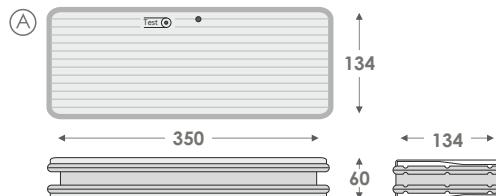
Wall mounting



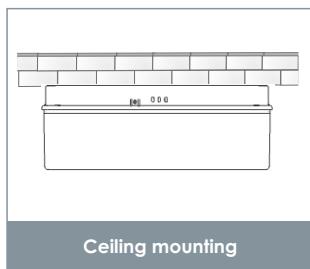
Ceiling mounting

The accessories for wall and ceiling mounting are included in the package.

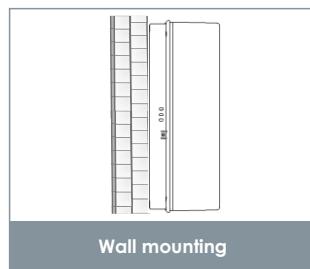
Dimensions in mm



Mounting methods



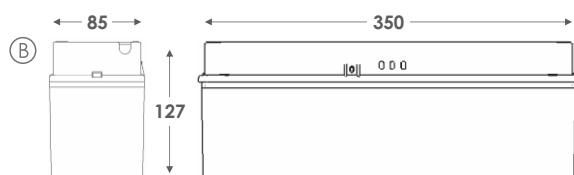
Ceiling mounting



Wall mounting

The accessories for wall and ceiling mounting are included in the package.

Dimensions in mm





LED NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-391/L	A	923391000	3,6V/1,5Ah Ni-Cd	1,5 h	3VA	270 lm	1160 gr
GR-393/L	A	923393000	3,6V/3Ah Ni-Cd	3 h	4,3VA	270 lm	1300 gr.

LED SELF-TESTING MAINTAINED/NON-MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-390/L	A	923390000	3,6V/1,5Ah Ni-Cd	1,5 h	7,5VA	270/270 lm	1165 gr
GR-392/L	A	923392000	3,6V/3Ah Ni-Cd	3 h	8VA	270/270 lm	1235 gr
GR-736/21L	B	923736021	3,6V/1,5Ah Ni-Cd	3 h	7VA	175/175 lm	870 gr
GR-736/6L	B	923736001	3,6V/3Ah Ni-Cd	3 h	7,5VA	175/350 lm	920 gr

**LED SELF-TESTING ADDRESSABLE MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC
(for GR-6500 Panel)**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-390/L/ADR	A	923390004	3,6V/1,5Ah Ni-Cd	1,5 h	7,5VA	270/270 lm	1165 gr
GR-392/L/ADR	A	923392004	3,6V/3Ah Ni-Cd	3 h	8VA	270/270 lm	1235 gr
GR-736/21L/ADR	B	923736022	3,6V/1,5Ah Ni-Cd	3 h	7VA	175/175 lm	870 gr
GR-736/6L/ADR	B	923736006	3,6V/3Ah Ni-Cd	3 h	7,5VA	175/350 lm	920 gr

LED EMERGENCY LUMINAIRE 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-736/6L/CBS	B	923736002	emergency luminaire	4,75W/5,05VA	340 lm	715 gr
GR-736/21L/CBS	B	923736004	emergency luminaire	4,6W/4,9VA	175 lm	715 gr

LED ADDRESSABLE EMERGENCY LUMINAIRE 24V DC

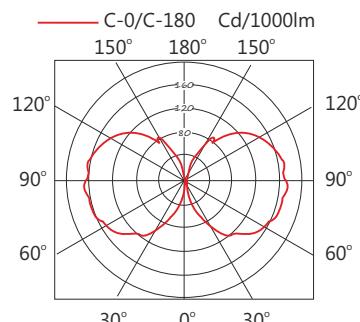
TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-736/21L/24V/ADR	B	923736026	emergency luminaire	1,8W	175lm	

Legends

Additional stickers after order



Photometric data



Eco Light



MLD/ZLD-28 MLD/ZLD-34 MLD/ZLD-44

(A)



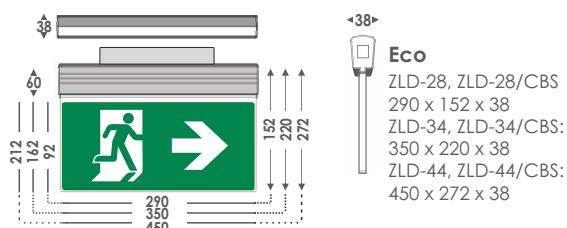
(B)



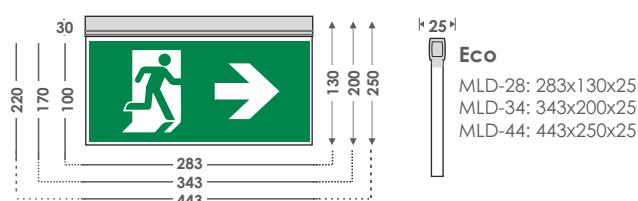
The packaging contains: 20 pcs. (MLD-28), 15 pcs. (MLD-34)
Single box (ZLD-XX)



Dimensions in mm for Eco light ZLD (Pic. A)



Dimensions in mm for Eco light MLD (Pic. B)



Legends for MLD & ZLD



left



right



down left



down right



up left

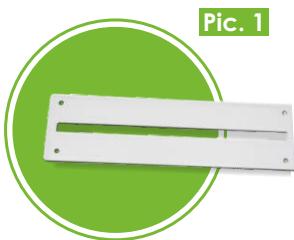


up right

	CODE right	CODE left	CODE down left	CODE down right	CODE up left	CODE up right
MLD & ZLD 28	804012028 SW28/R	804012228 SW28/L	804012328 SW28/DL	804012128 SW28/DR	804012429 SW28/UL	804012428 SW28/UR
MLD & ZLD 34	804012034 SW34/R	804012534 SW34/L	804012634 SW34/DL	804012134 SW34/DR	804012235 SW34/UL	804012234 SW34/UR
MLD & ZLD 44	804013444 SW44/R	804013544 SW44/L	804014544 SW44/DL	804014444 SW44/DR	804012445 SW44/UL	804012444 SW44/UR



Accessories for MLD-ZLD luminaires



Pic. 1

A-1018/PL Recess mounting base for MLD-28

A-1020/PL Recess mounting base for MLD-34



Pic. 2

A-1018/PL/ST Recess mounting

base for self-testing ZLD-28

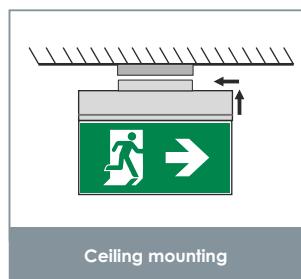
A-1020/PL/ST Recess mounting

base for self-testing ZLD-34

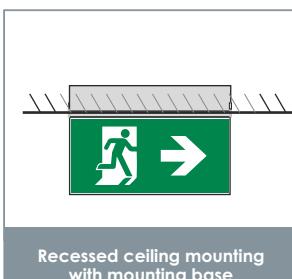
■ Easy mounting with special base for ZLD luminaires



■ Mounting methods



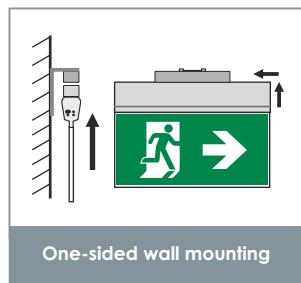
Ceiling mounting



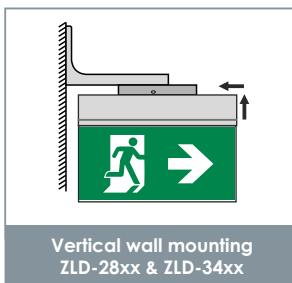
Recessed ceiling mounting with mounting base



Ceiling mounting with extension rod 0,25 - 1m



One-sided wall mounting



Vertical wall mounting
ZLD-28xx & ZLD-34xx

■ Accessories for ZLD



Pic. 3



LED MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGNS 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
MLD-28D/w*	B	922502811	3,6V/1Ah Ni-Cd	3 h	3W/7,5VA	85/85 lm	710 gr
MLD-34D/w*	B	922503426	3,6V/1Ah Ni-Cd	3 h	3W/8VA	100/85 lm	1070 gr
MLD-44D/w*	B	922504417	3,6V/1Ah Ni-Cd	3 h	3W/8VA	100/85lm	1680 gr

LED SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGNS 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
ZLD-28/EM*	A	922502858	3,6V/1,5Ah Ni-Mh	3 h	3,8W/6,5VA	125/125 lm	1075 gr	IK 07
ZLD-34/EM*	A	922503462	3,6V/1,5Ah Ni-Mh	3 h	4W/6,7VA	145/125 lm	1475 gr	IK 07
ZLD-44/EM*	A	922504456	3,6V/1,5Ah Ni-Mh	3 h	4,3W/6,9VA	200/150 lm	2045 gr	IK 07

**LED SELF-TESTING ADDRESSABLE MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGNS 220-240V AC
(for GR-6500 panel)**

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
ZLD-28/EM/ADR*	A	922502862	3,6V/1,5Ah Ni-Mh	3 h	6,5VA	125/125 lm	1075 gr	IK 07
ZLD-34/EM/ADR*	A	922503467	3,6V/1,5Ah Ni-Mh	3 h	6,7VA	145/125 lm	1475 gr	IK 07
ZLD-44/EM/ADR	A	922504458	3,6V/1,5Ah Ni-Mh	3 h	6,9VA	200/125 lm	2045 gr	IK 07

LED EMERGENCY EXIT SIGNS 24V DC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
ZLD-28/CBS/24V DC/EM	A	922502867	emergency exit sign	1,25W	150 lm	945 gr	IK 07
ZLD-34/CBS/24V DC/EM	A	922503471	emergency exit sign	1,45W	175 lm	1340 gr	IK 07
ZLD-44/CBS/24V DC/EM	A	922504462	emergency exit sign	1,55W	200 lm	1870 gr	IK 07

LED EMERGENCY EXIT SIGNS 24V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
DLD-28/CBS/w/24V ACDC	B	922202808	emergency exit sign	1,2W/1,5VA	100 lm	610 gr	
DLD-34/CBS/w/24V ACDC	B	922203412	emergency exit sign	1,5W/1,8VA	125 lm	960 gr	
DLD-44/CBS/w/24V ACDC	B	922204405	emergency exit sign	1,5W/1,8VA	125 lm		
ZLD-28/CBS/24V ACDC/EM	A	922502864	emergency exit sign	1,4W/1,55VA	150 lm	945 gr	IK 07
ZLD-34/CBS/24V ACDC/EM	A	922503469	emergency exit sign	1,6W/1,75VA	175 lm	1340 gr	IK 07
ZLD-44/CBS/24V ACDC/EM	A	922504460	emergency exit sign	1,85W/2,05VA	200 lm	1870 gr	IK 07



■ LED ADDRESSABLE EMERGENCY EXIT SIGNS 24V DC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	IK PROT. CLASS
ZLD-28/24V/ADR/EM	A	922502869	emergency exit sign	1,3W	150lm	IK 07
ZLD-34/24V/ADR/EM	A	922503473	emergency exit sign	1,5W	175lm	IK 07

■ LED EMERGENCY EXIT SIGNS 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
ZLD-28/CBS/EM	A	922502863	emergency exit sign	1,9W/2,1VA	150 lm	985 gr	IK 07
ZLD-34/CBS/EM	A	922503468	emergency exit sign	2,2W/2,42VA	175 lm	1380 gr	IK 07
ZLD-44/CBS/EM	A	922504459	emergency exit sign	2,6W/2,86VA	200 lm	1910 gr	IK 07
DLD-28/CBS/w	B	922202870	emergency exit sign	1,5W/4,0VA	100 lm	650 gr	
DLD-34/CBS/w	B	922603401	emergency exit sign	1,5W/4,0VA	125 lm	1000 gr	
DLD-44/CBS/w	B	922604410	emergency exit sign	1,5W/4,0VA	125 lm	1620 gr	

■ ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-1018/PL	1	927101801	Recess mounting base for MLD-28
A-1020/PL	1	927102001	Recess mounting base for MLD-34
A-1018/PL/ST	2	927101802	Recess mounting base for self-testing ZLD-28
A-1020/PL/ST	2	927102002	Recess mounting base for self-testing ZLD-34
A-1130	3	927311300	Extension rod 1m
A-1131	3	927311310	Extension rod 0,5m
A-1132	3	927311320	Extension rod 0,25m
A-1133	3	927311330	Accessory set for vertical wall mounting

New Eco Light

Ⓐ PLD



Ⓑ CLD



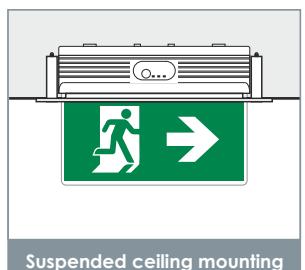
Ⓒ



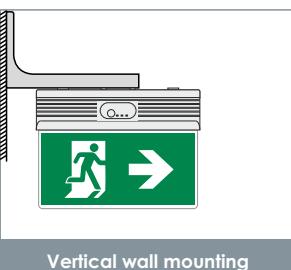
Base for recessed mounting
on a suspended ceiling



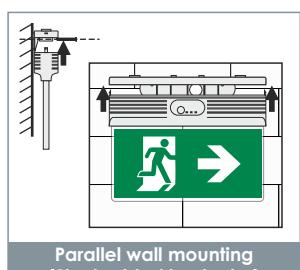
Mounting methods for PLD & CLD



Suspended ceiling mounting



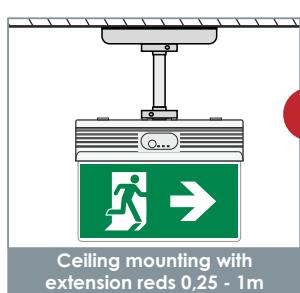
Vertical wall mounting



Parallel wall mounting
(Single sided luminaire)



Ceiling mounting

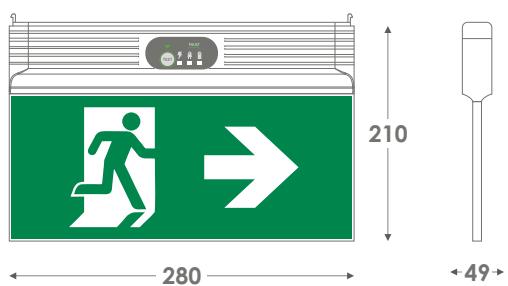


Ceiling mounting with
extension rods 0,25 - 1m

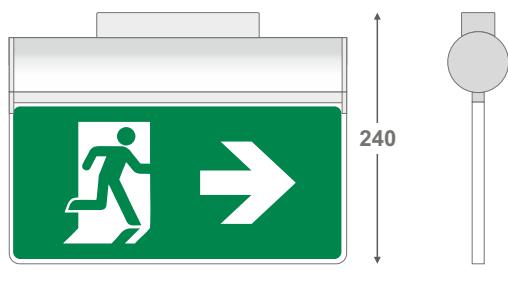


Dimensions in mm

Ⓐ PLD



Ⓑ CLD



Legends for PLD-25



left
804010125
SW25/L



right
804010025
SW25/R



down left
804010325
SW25/DL



down right
804010225
SW25/DR



up left
804010525
SW25/UL



up right
804010425
SW25/UR



■ LED SELF-TESTING, MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGN 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
PLD-25/NiMH	A	922502500	3,6V/1,5Ah Ni-MH	3 h	4 VA	80 / 100 lm	1140 gr	IK 09

■ LED MAINTAINED / NON-MAINTAINED EMERGENCY EXIT SIGN

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
PLD-25/NST	A	922502503	3,6V/1,5Ah Ni-MH	3 h	4 VA	80 / 100 lm	1135 gr	IK 09

■ LED SELF-TESTING, MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGN WITH SUPERCAPACITOR

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS	10 YEARS guarantee
PLD-25/SC	A	922502501	Supercapacitor	1 h	4 VA	75 / 20 lm	1150 gr	IK 09	

■ LED SELF-TESTING, MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGN WITH LiFePO4 BATTERY

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
PLD-25/LF	A	922502502	LiFePO4	3 h	4VA	70 / 50lm	870 gr	IK 09

■ LED SELF-TESTING, MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGN 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION (230V/EMERGENCY)	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
CLD-30	B	922503000	3,6V/1,5Ah Ni-MH	3 h	2,7W / 4VA	63lm / 125lm	1090 gr	

■ LED MAINTAINED EMERGENCY EXIT SIGN (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	IK PROT. CLASS
PLD-25/CBS	A	922502869	emergency exit sign	1,6W	100lm	

■ ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-2510/PL/ST	C	927251000	Recess mounting base
A-1130	1	927311300	Extension rod 1m
A-1131	1	927311310	Extension rod 0,5m
A-1132	1	927311320	Extension rod 0,25m
A-1133	1	927311330	Accessory set for vertical wall mounting for CLD (silver color)
A-2133		927321330	Accessory set for vertical wall mounting for PLD (white color)

Using supercapacitors as energy storage media in place of conventional batteries is the most modern and sophisticated solution in emergency luminaires. Designed for, at least, 10 years of reliable function with much higher number of charging / discharging cycles. It can withstand much extreme temperature like -40 °C and 65 °C without serious degradation of its specifications.



Comparing table

	Supercapacitor	Ni-Cd battery	Ni-MH battery
Designed for	>10 years	4 years	4 years
Number of charging / discharging cycles	>500.000	500 - 2000	300 - 1500
Working temperature range	-40 °C to 65°C	0 - 55°C	5 - 55°C

! In June of 2012, CEN adopted the international standard ISO 7010 regarding graphical symbols and safety signs. Since all safety signs are to be designed based on this standard, we will be able to recognize a safety exit in any European country.

In our catalog you can find a wide variety of luminaires with safety signage based on the EN ISO 7010 standard.

Lounge Light



(A) SLD/SP



IP30

(B) SLD/DZ



IP30



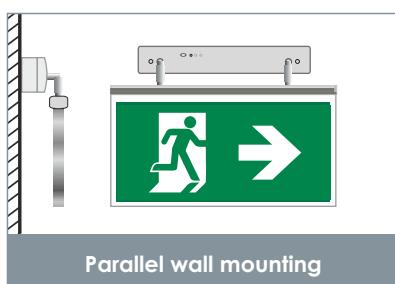
Single package



Mounting methods SLD/SP & SLD/DZ



Ceiling mounting



Parallel wall mounting



Suspended ceiling mounting

Legends



left



right



down left



down right



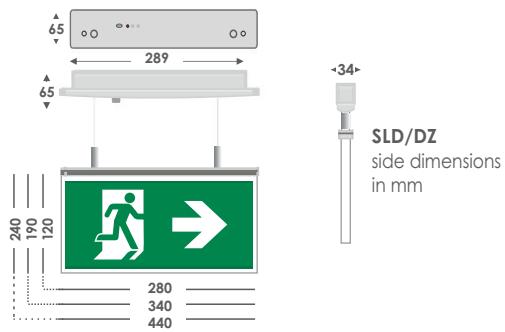
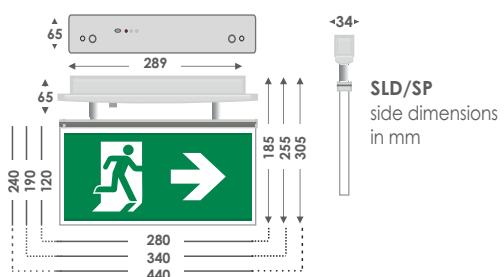
up left



up right

	CODE right	CODE left	CODE down left	CODE down right	CODE up left	CODE up right
SLD 28	804012028 SW28/R	804012228 SW28/L	804012328 SW28/DL	804012128 SW28/DR	804012429 SW28/UL	804012428 SW28/UR
SLD 34	804012034 SW34/R	804012534 SW34/L	804012634 SW34/DL	804012134 SW34/DR	804012235 SW34/UL	804012234 SW34/UR
SLD 44	804013444 SW44/R	804013544 SW44/L	804014544 SW44/DL	804014444 SW44/DR	804012445 SW44/UL	804012444 SW44/UR

Dimensions in mm for SLD/SP & SLD/DZ





LED SELF-TESTING, MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGNS 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
SLD-28/SP	A	922028008	3,6V/1,5Ah Ni-Mh	3 h	9VA	100/100 lm	1050 gr
SLD-34/SP	A	922034009	3,6V/1,5Ah Ni-Mh	3 h	9,5VA	125/125 lm	1370 gr
SLD-44/SP	A	922044006	3,6V/1,5Ah Ni-Mh	3 h	9,5VA	125/125 lm	2060 gr
SLD-28/DZ	B	922028000	3,6V/1,5Ah Ni-Mh	3 h	9VA	100/100 lm	980 gr
SLD-34/DZ	B	922034000	3,6V/1,5Ah Ni-Mh	3 h	9,5VA	125/125 lm	1340 gr
SLD-44/DZ	B	922044000	3,6V/1,5Ah Ni-Mh	3 h	9,5VA	125/125 lm	2030 gr

LED EMERGENCY EXIT SIGNS 24V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
SLD-28/CBS/SP/24V ACDC	A	922028017	emergency exit sign	1,2W/1,5VA	100 lm	910 gr
SLD-34/CBS/SP/24V ACDC	A	922034016	emergency exit sign	1,5W/1,8VA	125 lm	1310 gr
SLD-44/CBS/SP/24V ACDC	A	922044010	emergency exit sign	1,5W/1,8VA	125 lm	
SLD-28/CBS/DZ/24V ACDC	B	922028016	emergency exit sign	1,2W/1,5VA	100 lm	880 gr
SLD-34/CBS/DZ/24V ACDC	B	922034015	emergency exit sign	1,5W/1,8VA	125 lm	
SLD-44/CBS/DZ/24V ACDC	B	922044009	emergency exit sign	1,5W/1,8VA	125 lm	

LED EMERGENCY EXIT SIGNS 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
SLD-28/CBS/SP	A	922028009	emergency exit sign	1,35W/1,65VA	100 lm	930 gr
SLD-34/CBS/SP	A	922034010	emergency exit sign	1,60W/1,9VA	125 lm	1260 gr
SLD-44/CBS/SP	A	922044007	emergency exit sign	1,60W/1,9VA	125 lm	1970 gr
SLD-28/CBS/DZ	B	922028003	emergency exit sign	1,35W/1,65VA	100 lm	930 gr
SLD-34/CBS/DZ	B	922034004	emergency exit sign	1,60W/1,9VA	125 lm	1290 gr
SLD-44/CBS/DZ	B	922044003	emergency exit sign	1,60W/1,9VA	125 lm	1960 gr

ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-3018	1	980330180	Suspended ceiling mounting springs

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In our catalog you can find a wide variety of luminaires with safety signage based on the EN ISO 7010 standard.



Pic. 1
A-3018 mounting springs



Professional & Double Light



Double Light



Professional Light



The packaging contains: 7 pcs. (A), 12 pcs. (B)
Packaging dimensions (LxWxH): 545x395x345mm (A), 445x350x295mm (B)
Three adhesive legends included in the package (right, left, down)



■ Accessories



A-1012 "Easy Base"

Base included in packaging
for easy mounting



Pic. 1

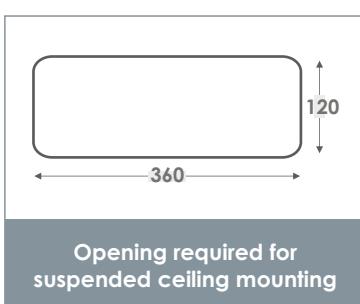
A-1013

Recessed mounting base
for wall or ceiling mounting



A-1014

Double sided plastic
diffuser (Double Light)



Opening required for
suspended ceiling mounting

■ Legends (Double Light)

Additional stickers after order



807510000
S-51100/S65L



807510000
S-51100/S65R



807510000
S-51100/S65D

■ Legends (Professional Light)

Additional stickers after order



807110000
S-11100/S65L



807110000
S-11100/S65R



807110000
S-11100/S65D



LED SELF-TESTING, MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-515/15L	A	923515006	3,6V/600mAh Ni-Cd	1,5 h	7VA	125 lm/125 lm	1030 gr
GR-516/15L	A	923516003	3,6V/1,5Ah Ni-Cd	3 h	7VA	125 lm/125 lm	1100 gr
GR-115/15L	B	923115009	3,6V/600mAh Ni-Cd	1,5 h	7VA	125 lm/125 lm	770 gr
GR-116/15L	B	923116006	3,6V/1,5Ah Ni-Cd	3 h	7VA	125 lm/125 lm	850 gr

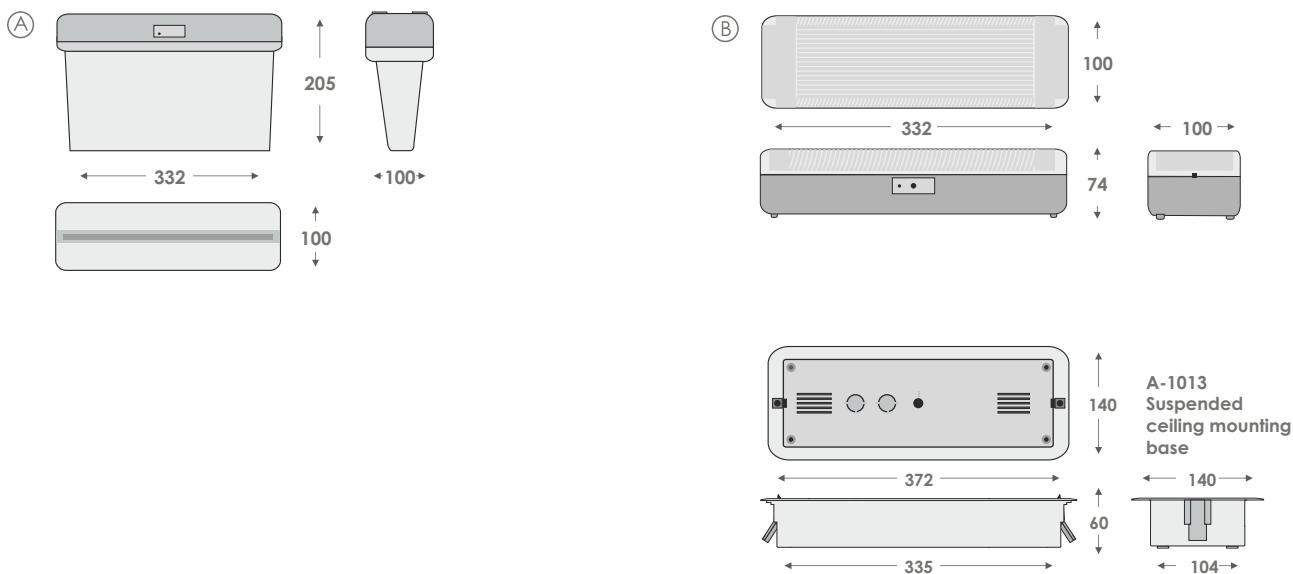
LED MAINTAINED / NON MAINTAINED EMERGENCY LUMINAIRES (Internal selection - with jumper) 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-110/15L	B	923110014	3,6V/600mAh Ni-Cd	1,5 h	3VA	40/125 lm	690 gr
GR-112/15L	B	923112007	3,6V/1,5Ah Ni-Cd	3 h	3,5VA	38/125 lm	770 gr
GR-511/15L	A	923511005	3,6V/1Ah Ni-Cd	1,5 h	3VA	40/125 lm	105 gr
GR-512/15L	A	923512003	3,6V/1,5Ah Ni-Cd	3 h	3,5VA	38/125 lm	1125 gr

ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-1013	1	927101300	Mounting base
A-1014	2	927101400	Double-sided diffuser (Double Light)

Dimensions in mm



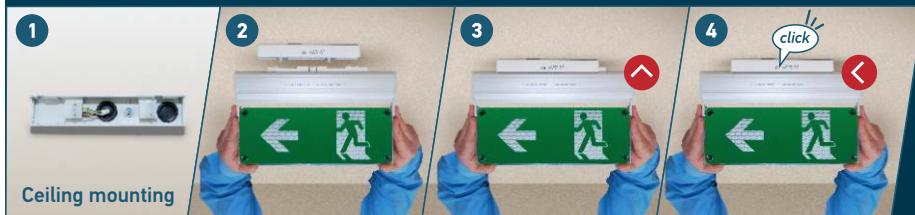
Project Light



GRL-822/EM GRL-832/EM GRL-842/EM
GRL-824/EM GRL-834/EM GRL-844/EM



Special base
for easy mounting
(included in the package)



■ Special base for easy mounting



Ceiling mounting



Parallel wall mounting



Vertical wall mounting
only for GRL-822/GRL-824



Hanging ceiling mounting
with extension set

■ Accessories





LED SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC/50-60Hz

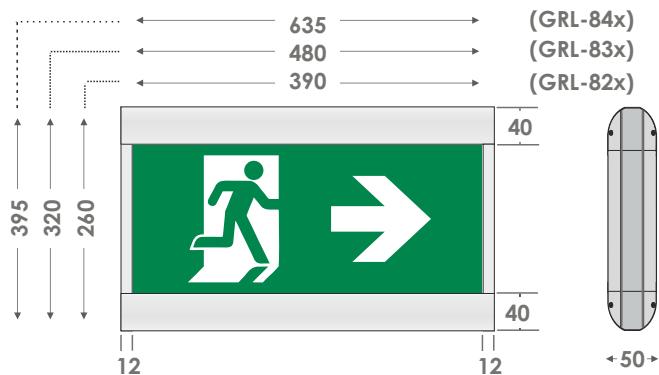
TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GRL-822/EM	A	923822102	3,6V/1,5Ah Ni-Cd	1,5 h	9,5VA	510/255 lm	1680 gr
GRL-824/EM	A	923824102	4,8V/1,5Ah Ni-Cd	3 h	10VA	510/255 lm	1800 gr
GRL-832/EM	A	923832102	4,8V/1,5Ah Ni-Cd	1,5 h	11VA	680/340 lm	2180 gr
GRL-834/EM	A	923834102	4,8V/3Ah Ni-Cd	3 h	12,5VA	680/340 lm	2270 gr
GRL-842/EM	A	923842102	4,8V/1,5Ah Ni-Cd	1,5 h	13,5VA	850/425 lm	3000 gr
GRL-844/EM	A	923844102	4,8V/3Ah Ni-Cd	3 h	14VA	850/425 lm	3100 gr

! **GRL-XXX/EM/O** All the above models can be manufactured as one sided luminaires with sheet metal at the back of the luminaire

Accessories

TYPE	PICTURE	CODE	DESCRIPTION
A-1130	1	927311300	Extension set 1m
A-1131	1	927311310	Extension set 0,5m
A-1132	1	927311320	Extension set 0,25m
A-1133	1	927311330	Accessory for vertical wall mounting
A-860	2	927860000	Ceiling-mounted chain (60 cm)

Dimensions in mm



Legends



S65L



S65R



S65U



S65D

Light Box



GRL-522/EM GRL-532/EM GRL-542/EM
GRL-526/EM GRL-534/EM GRL-544/EM



52m



68m



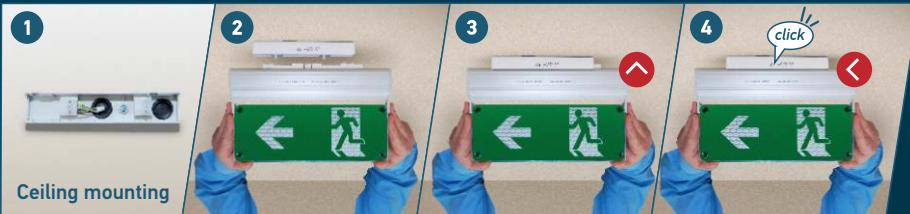
IP42

(A)



NEW

Special base
for easy mounting
(included in the package)



■ Special base for easy mounting



Ceiling mounting



Parallel wall mounting



Vertical wall mounting
only for GRL-522/EM, GRL-526/EM



Hanging ceiling mounting
with extension set

■ Accessories



Bild 1



■ LED SELF-TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES 220-240V AC/50-60Hz

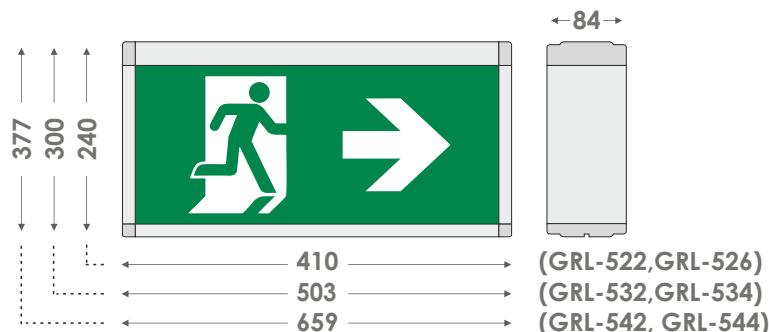
TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GRL-522/EM	A	923522102	3,6V/1,5Ah Ni-Cd	1,5 h	9,5VA	510/255 lm	2200 gr
GRL-526/EM	A	923526103	4,8V/1,5Ah Ni-Cd	3 h	10VA	510/255 lm	2320 gr
GRL-532/EM	A	923532102	4,8V/1,5Ah Ni-Cd	1,5 h	11VA	680/340 lm	2960 gr
GRL-534/EM	A	923534102	4,8V/3Ah Ni-Cd	3 h	12,5VA	680/340 lm	3040 gr
GRL-542/EM	A	923542102	4,8V/1,5Ah Ni-Cd	1,5 h	13,5VA	850/425 lm	3820 gr
GRL-544/EM	A	923544102	4,8V/3Ah Ni-Cd	3 h	14VA	850/425 lm	3920 gr

! **GRL-XXX/EM/O** All the above models can be manufactured as one sided luminaires with sheet metal at the back of the luminaire

■ Accessories

TYPE	PICTURE	CODE	DESCRIPTION
A-1130	1	927311300	Extension set 1m
A-1131	1	927311310	Extension set 0,5m
A-1132	1	927311320	Extension set 0,25m
A-1133	1	927311330	Accessory for vertical wall mounting

■ Dimensions in mm



■ Legends



S65L



S65R



S65U



S65D

Tunnel Light



GR-577/L/15/ST/WP
 GR-577/L/15/ST/WP/O
 GR-578/L/15/ST/WP
 GR-578L/15/ST/WP/O

GR-577/L/18/ST/WP
 GR-577/L/18/ST/WP/O
 GR-578/L/18/ST/WP
 GR-578L/18/ST/WP/O

(A)



(B)



Single package



Mounting methods



Vertical wall mounting
Double-sided luminaire
at an angle



Vertical wall mounting
Double-sided luminaire



Parallel wall mounting
One-side luminaire

Typical symbols



350m 20m

Exit routes
left - right



Exit route



Emergency phone

All tunnel lights can be made with other symbols on request.

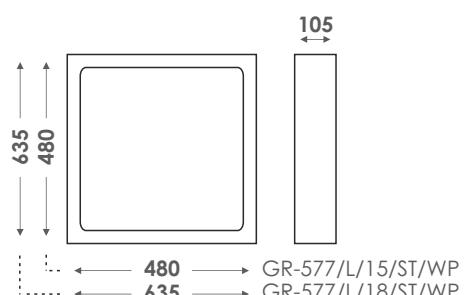
Pic. 1



A-1900 Test card
(after order)

Magnetic test card for resetting errors
& manual test for all functions of the luminaire

Dimensions in mm





■ LED WATERPROOF IP65, SELF-TESTING, MAINTAINED / NON MAINTAINED EMERGENCY INDICATION LUMINAIRES
220-240V AC (FOR TUNNELS)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-577/L/15/ST/WP	A	923577005	4,8V/1,5Ah Ni-Cd	1,5 h	11VA	680lm/340lm	7590 gr
GR-577/L/15/ST/WP/O	A	923577007	4,8V/1,5Ah Ni-Cd	1,5 h	11VA	680lm/340lm	
GR-577/L/18/ST/WP	A	923577006	4,8V/1,5Ah Ni-Cd	1,5 h	13,5VA	850lm/425lm	
GR-577/L/18/ST/WP/O	A	923577008	4,8V/1,5Ah Ni-Cd	1,5 h	13,5VA	850lm/425lm	
GR-578/L/15/ST/WP	A	923578006	4,8V/3Ah Ni-Cd	3 h	12,5VA	680lm/390lm	
GR-578/L/15/ST/WP/O	A	923578008	4,8V/3Ah Ni-Cd	3 h	12,5VA	680lm/390lm	
GR-578/L/18/ST/WP	A	923578007	4,8V/3Ah Ni-Cd	3 h	14,5VA	700lm/350lm	
GR-578/L/18/ST/WP/O	A	923578009	4,8V/3Ah Ni-Cd	3 h	14,5VA	700lm/350lm	

■ LED WATERPROOF IP65, SELFTESTING EMERGENCY INDICATION LUMINAIRES 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT SOURCE INTENSITY	WEIGHT
GR-576/L/15/WP	A	923576100	Exit sign luminaire	7,2W/7,6VA	680lm	
GR-576/L/15/WP/O	A	923576102	Exit sign luminaire	7,2W/7,6VA	680lm	7445 gr
GR-576/L/18/WP	A	923576101	Exit sign luminaire	8,8W/9,3VA	850lm	
GR-576/L/18/WP/O	A	923576103	Exit sign luminaire	8,8W/9,3VA	850lm	

TYPE	PICTURE	DESCRIPTION
GR-57X/XW/WP/B	B	All the above models can be manufactured with xenon beacon on top

■ ACCESSORIES

TYPE	PICTURE	CODE	DESCRIPTION
A-1900	1	927190000	Test Card

! All Tunnel Light luminaires can be produced customized.

! Single sided luminaires are marked with /O at the end of product type..
The additional number /15/ indicates the small version of the tunnel light.
The additional number /18/ indicates the bigger version of the tunnel light.

3D & Tunnel Light

Ⓐ 3D Light



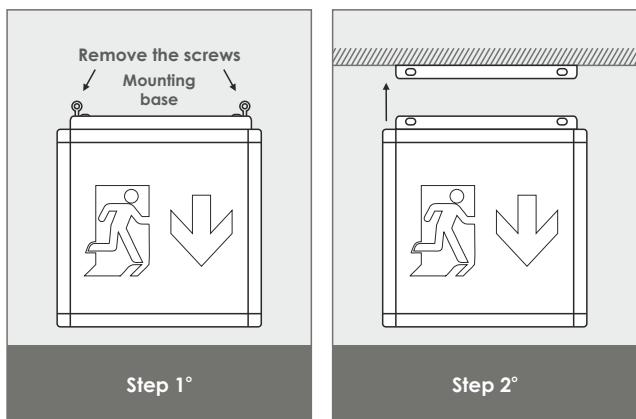
Ⓑ Tunnel Light



Single package



Mounting method



Pic. 1

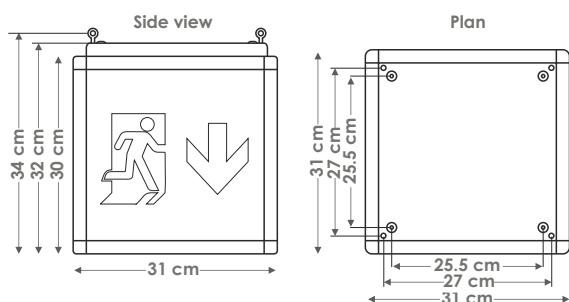


A-1900 Test card for luminaires
(After order)

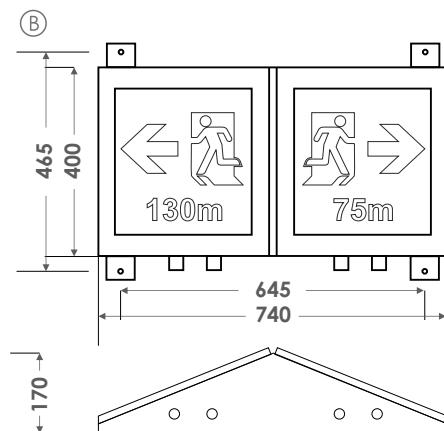
Magnetic test card for resetting errors
& manual test for all functions of the luminaire

Dimensions in mm

Ⓐ



Ⓑ





■ LED MAINTAINED / NON MAINTAINED, SELF-TESTING EMERGENCY INDICATION LUMINAIRES 220-240V AC/50-60Hz

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-415/4P	A	923415001	4,8V/1,5Ah Ni-Cd	1,5 h	11VA	460/460lm	3370 gr
GR-416/4P	A	923416001	4,8V/3Ah Ni-Cd	3 h	14VA	460/460lm	3465 gr

■ LED WATERPROOF IP65, SELFTESTING, MAINTAINED / NON MAINTAINED EMERGENCY INDICATION LUMINAIRES (FOR TUNNELS) 220-240V AC & 60° INDICATION ANGLE

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-579/L/90/WP	B	923579000	2x4,8V/1,5Ah Ni-Cd	1,5 h	22 VA	1360/680 lm	11550 gr
GR-579/L/180/WP	B	923579001	2x4,8V/3Ah Ni-Cd	3 h	25VA	1360/680 lm	11730 gr

■ LED EMERGENCY LUMINAIRES 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-424/4P	A	923424001	Exit sign luminaire	5,8W/6,1VA	460lm	3170 gr
GR-575/L/WP	B	923575100	Exit sign luminaire	14,4W/15,2VA	1360lm	

■ ACCESSORIES FOR GR-579/L/90/WP & GR-579/L/180/WP

TYPE	PICTURE	CODE	DESCRIPTION
A-1900	1	927190000	Test Card



All Tunnel Light luminaires can be produced customized.

Power LED Light

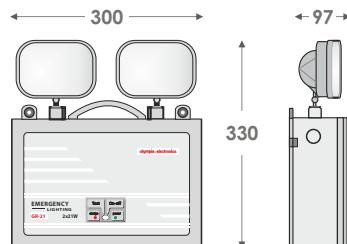


Mounting methods

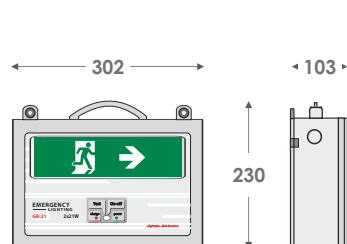


Dimensions in mm

Pic. A, B, D & E



Pic. C



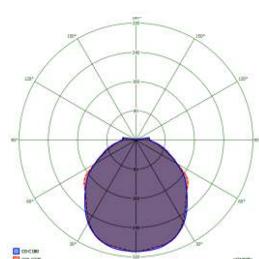
Legends

Additional legends after order, only for GRL-22 (pic. C)

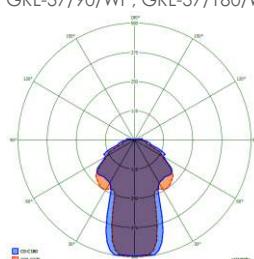


Photometric data

GRL-29, GRL-29/WP, GRL-39,
GRL-39/WP



GRL-21/H/90, GRL-21/H/180, GRL-21/H/90/WP,
GRL-21/H/180/WP, GRL-37/90, GRL-37/180,
GRL-37/90/WP, GRL-37/180/WP





LED NON-MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
GRL-21	A	923021031	6V/4Ah Pb	1,5 h	10VA	2x42 Leds	790 lm	2205 gr	
GRL-29	A	923029009	12V/7Ah Pb	3 h	16VA	2x84 Leds	1620 lm	3880 gr	
GRL-22	C	923022100	12V/7Ah Pb	10 h	16VA	84 Leds	710 lm	3555 gr	
GRL-21/H/90	B	923021040	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4360 gr	IK 10
GRL-21/H/180	B	923021042	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6560 gr	IK 10

LED WATERPROOF IP65, NON-MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
GRL-21/H/90/WP	D	923021041	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4510 gr	IK 10
GRL-21/H/180/WP	D	923021043	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6700 gr	IK 10
GRL-29/WP	E	923029010	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	4020 gr	

LED SELF-TESTING, NON-MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
GRL-37/90	B	923037002	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4360 gr	IK 10
GRL-37/180	B	923037005	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6560 gr	IK 10
GRL-39	A	923039002	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	3880 gr	

LED WATERPROOF IP65, SELF-TESTING, NON-MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
GRL-37/90/WP	D	923037004	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4520 gr	IK 10
GRL-37/180/WP	D	923037006	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6700 gr	IK 10
GRL-39/WP	E	923039004	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	4020 gr	

LED ADDRESSABLE, SELF-TESTING, NON-MAINTAINED EMERGENCY LUMINAIRES (for GR-6500 panel)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
GRL-37/90/ADR	D	923037007	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4360 gr	IK 10
GRL-37/180/ADR	D	923037008	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6560 gr	IK 10
GRL-39/ADR	E	923039005	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	3880 gr	

LED ADDRESSABLE, WATERPROOF IP65, SELF-TESTING, NON-MAINTAINED EMERGENCY LUMINAIRES (for GR-6500 panel)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
GRL-37/90/WP/ADR	D	923037009	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4520 gr	IK 10
GRL-37/180/WP/ADR	D	923037010	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6700 gr	IK 10
GRL-39/WP/ADR	E	923039006	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	4020 gr	

All Power LED Light luminaires have a dimmer.

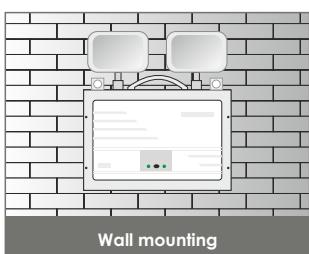
Power Light



Single package

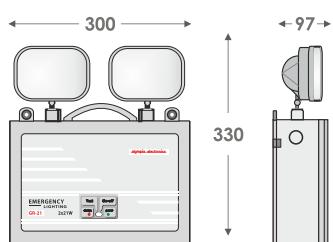


Mounting methods

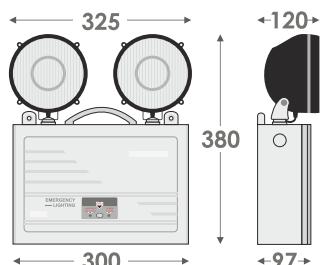


Dimensions in mm

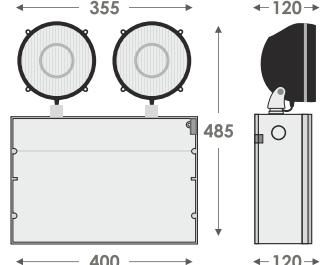
Pic. B & C



Pic. A & D

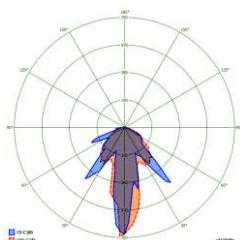


Pic. E

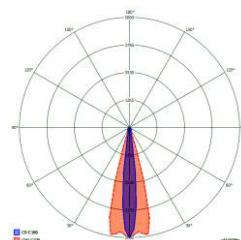


Photometric data

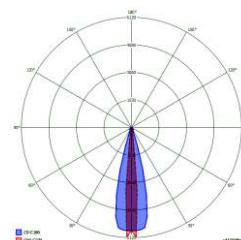
GR-21, GR-29, GR-30, GR-31,
GR-36, GR-36/WP



GR-32, GR-37, GR-37/WP



GR-21/H





NON-MAINTAINED EMERGENCY LUMINAIRES WITH HALOGEN LAMPS IP42

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	HALOGEN LAMP	WEIGHT	Icon
GR-21	C	923021000	12V/7Ah Pb	1,5 h	14VA	580 lm	2x20W	3870 gr	
GR-21/H	A	923021001	2x12V/7Ah Pb	1 h	24VA	1620 lm	2x55W	6835 gr	
GR-29	C	923029000	2x12V/7Ah Pb	3 h	24VA	580 lm	2x20W	5915 gr	

WATERPROOF IP65, NON-MAINTAINED EMERGENCY LUMINAIRES WITH HALOGEN LAMPS

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	HALOGEN LAMP	WEIGHT	Icon
GR-30	C	923030000	12V/7Ah Pb	1,5 h	14VA	580 lm	2x20W	3300 gr	
GR-31	C	923031000	2x12V/7Ah Pb	3 h	13VA	580 lm	2x20W	6260 gr	
GR-32	A	923032000	2x12V/9Ah Pb	1 h	24VA	2050 lm	2x55W	7655 gr	
GR-21/H3*	E	923021011	4x12V/7Ah Pb	3 h	47VA	1380 lm	2x55W	16430 gr	

* GR-21/H3 has a TEST button and a charging indication LED

SELF-TESTING, NON-MAINTAINED EMERGENCY LUMINAIRES WITH HALOGEN LAMPS IP42

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	HALOGEN LAMP	WEIGHT	Icon
GR-36	C	923036000	12V/7Ah Pb	1,5 h	14VA	580 lm	2x20W	3905 gr	
GR-37	A	923037000	2x12V/9Ah Pb	1 h	24VA	2050 lm	2x55W	7050 gr	
GR-39	C	923039000	2x12V/9Ah Pb	3 h	24VA	730 lm	2x20W	6140 gr	

WATERPROOF IP65, SELF-TESTING, NON-MAINTAINED EMERGENCY LUMINAIRES WITH HALOGEN LAMPS

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	HALOGEN LAMP	WEIGHT	Icon
GR-36/WP	B	923036002	12V/7Ah Pb	1,5 h	14VA	580 lm	2x20W	4050 gr	
GR-37/WP	D	923037003	2x12V/9Ah Pb	1 h	24VA	2050 lm	2x55W	7200 gr	
GR-39/WP	B	923039001	2x12V/9Ah Pb	3 h	24VA	730 lm	2x20W	6290 gr	

Antiexplosive Light

Ex d IIB T6 Gb
Ex t IIIC T85°C Db



Single packaging
Three adhesive legends included in the package (right, left, down)



Description

- Designed for installation in explosive atmospheres
- Certified according to the norms EN 60079-0, EN 60079-1, EN 60079-31
- The main body is constructed of aluminum (painted yellow, RAL-1003) and the diffuser from polycarbonate with UV protection or with special durable glass. (For model IFA-3236)
- The luminaires that contain batteries have a charge indicator and connector for installing a remote test button.

General characteristics

- Ni-Cd batteries
- High power illumination
- Suitable for explosive gas atmospheres and explosive dust atmospheres
- IP67 / IK 05 degrees of cover protection
- Charge indication LED
- Produced in accordance with EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2
- Construction material: Aluminum and Polycarbonate or Aluminum and glass (IFA-3236).
- Operation temperature range: 0 °C up to 40°C the emergency luminaires, -20°C up to 40°C for the CBS luminaires
- Complying with the ATEX 94/9/EC
- Humidity: up-to 95% relative humidity

Legends



705690016

705690017

705690018

705690019



NON-MAINTAINED EMERGENCY LUMINAIRES WITH FLUORESCENT LAMPS 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	LIGHT SOURCE	DIFFUSER	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
FSA-8202CB	A	923820201	3,6V/1,5Ah	1 h	8 W	5mm Glas	4,5VA	150 lm		IK 05
FSA-8352CB	A	923835200	3,6V/4Ah	1 h	8 W	5mm Glas	8,05VA	280 lm		IK 05
FSA-8203CB	A	923820300	4,8V/4Ah	3 h	8 W	5mm Glas	8,05VA	150 lm		IK 05

SUSTAINED EMERGENCY LUMINAIRES WITH FLUORESCENT LAMPS 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	LIGHT SOURCE	DIFFUSER	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROTECTION CLASS
FSP-2218CC	B	923221800	4,8V/4Ah	1 h	18 W	9mm Glas	8,05VA	500 lm		IK 05
FSP-3236CCP	A	923323600	4,8V/4Ah	1 h	36 W	Polycarbonat	53VA	1000 lm		IK 05

EMERGENCY LUMINAIRES WITH FLUORESCENT LAMP 230V (for CBS)

TYPE	PICTURE	CODE	BATTERY	DURATION	LIGHT SOURCE	DIFFUSER	CONSUMPTION	LIGHT OUTPUT	WEIGHT
IFA-3236P	A	923232601		-	2x36W	Polycarbonat	41,5VA	1215 lm	
IFA-3236	A	923232602		-	9mm Glas	74VA	3015 lm	12900 gr	
IFA-2218	B	923221801		-	9mm Glas	41,5VA	1215 lm		
IFA-2218P	B	923221802		-	Polycarbonat	41,5VA	1215 lm		

LED EMERGENCY LUMINAIRES 230V (for CBS)

TYPE	PICTURE	CODE	BATTERY	DURATION	LIGHT SOURCE	DIFFUSER	CONSUMPTION	LIGHT OUTPUT	WEIGHT
IFA-2218LB	B	923221803		-	2x11W	5mm Glas	20,25VA	1476 lm	
IFA-2118L	B	923211800		-	1x11W	9mm Glas	10,12VA	882 lm	

SEALING GROMMET

TYPE	CODE	DESCRIPTION
NPT34	751500102	Sealing grommet (included in the package)

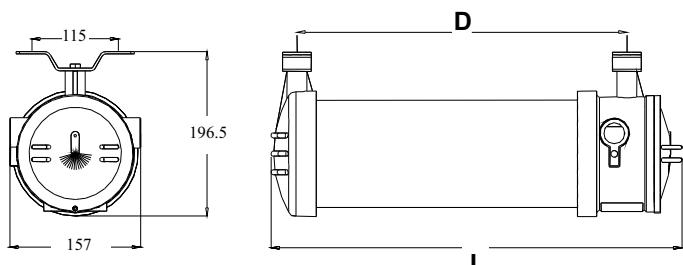


MOUNTING BASE

TYPE	CODE	DESCRIPTION
A-FSA	808700069	Mounting base (included in the package)



Dimensions in mm



IFA-2218, IFA-2218P, IFA-2218LB, IFA-2118L	D=640, L=750
FSP-2218CC	D=640, L=750
IFA-3236, IFA-3236P, FSP-3236CCP	D=1250, L=1360
FSA-8202CB, FSA-8352CB, FSA-8203CB	D=375, L=485

Spot Light



**GR-291, GR-293,
GR-271, GR-273**

Suitable for
installation in
open areas



**GR-290, GR-292,
GR-270, GR-272**

Suitable for
installation in
escape routes



**GR-297/60L/180, GR-298/60L/90
GR-298/30L/180**

Suitable for installation in
open areas

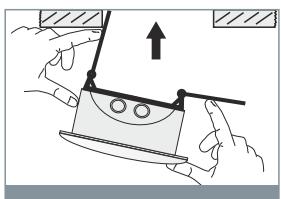


The packaging contains:
26 pcs. (A, B, C), 16 pcs. (D)
Packaging dimensions (LxWxH):
430x375x275mm

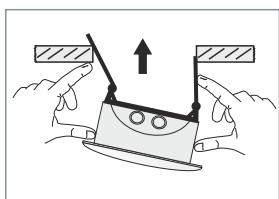
D KIT-77/84



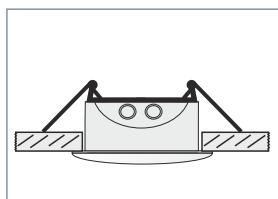
Mounting methods



Bend the two springs so that
they can pass through the
suspended ceiling hole



Then push the
spot luminaire upwards



Keep on pushing until
the luminaire fits into the hole

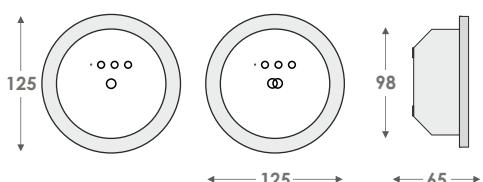


The specific luminaire (KIT-77/84) has 2 rim options with different perimeter dimensions.
The packaging contains:
16 pcs. for the: KIT-77/84

Packaging dimensions (LxWxH):
315x265x205 for the: KIT-77/84

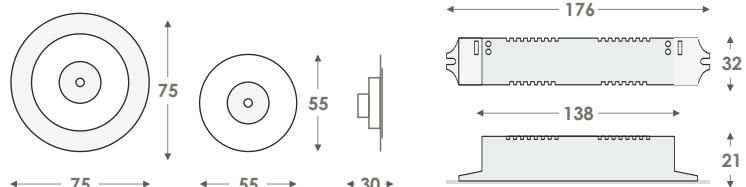
Dimensions in mm for A, B & C

A, B & C.



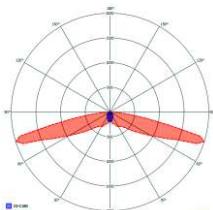
Dimensions in mm for D

D.

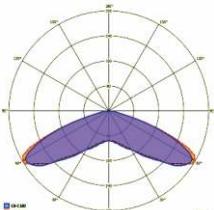


Photometric data

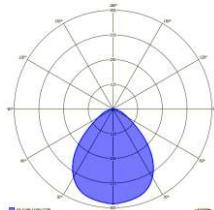
**GR-290, GR-292,
GR-280**



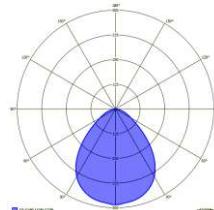
**GR-291, GR-293,
GR-281**



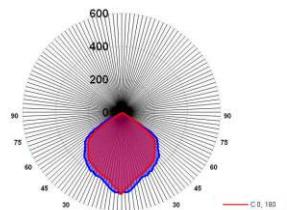
GR-298/30L/180



**GR-298/60L/90
GR-297/60L/180**



KIT-77/84



LED SELF-TESTING, NON MAINTAINED EMERGENCY LUMINAIRES FOR DIRECT & RECESSED CEILING MOUNTING

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	INSTALLATION	WEIGHT	IK PROT. CLASS
GR-290	B	923290000	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	270 lm	Escape routes	450 gr	IK 08
GR-291	A	923291000	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	270 lm	Open areas	450 gr	IK 08
GR-292	B	923292000	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	160 lm	Escape routes	450 gr	IK 08
GR-293	A	923293000	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	160 lm	Open areas	450 gr	IK 08

EMERGENCY KIT FOR RECESSED CEILING MOUNTING, CONTAINS: GR-77 ELECTRONICS BALLAST, GR-84 EMERGENCY LUMINAIRE & NiMH BATTERY

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
KIT-77/84	D	923084001	4,8V/1,2Ah Ni-Mh	bis 3 h	6VA	150 lm	310 gr

LED NON MAINTAINED EMERGENCY LUMINAIRES FOR DIRECT & RECESSED CEILING MOUNTING

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	INSTALLATION	WEIGHT	IK PROT. CLASS
GR-270	B	923270000	3,6V/1,5Ah Ni-Mh	1,5 h	2,7VA	160 lm	Escape routes	380 gr	IK 08
GR-271	A	923271000	3,6V/1,5Ah Ni-Mh	1,5 h	2,7VA	160 lm	Open areas	380 gr	IK 08
GR-272	B	923272000	3,6V/1,5Ah Ni-Mh	3 h	2,7VA	120 lm	Escape routes	380 gr	IK 08
GR-273	A	923273000	3,6V/1,5Ah Ni-Mh	3 h	2,7VA	120 lm	Open areas	380 gr	IK 08

LED MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRE FOR DIRECT & RECESSED CEILING MOUNTING

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
GR-297/60L/180	C	923297000	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	350/110 lm	533 gr	IK 08

LED SELF-TESTING NON MAINTAINED, EMERGENCY LUMINAIRES FOR DIRECT & RECESSED CEILING MOUNTING

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
GR-298/30L/180	C	923298000	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	170 lm	530 gr	IK 08
GR-298/60L/90	C	923298001	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	350 lm	530 gr	IK 08

LED EMERGENCY LUMINAIRES FOR DIRECT & RECESSED CEILING MOUNTING 24V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
GR-280/24V ACDC	B	923280001	ceiling emergency luminaire	2,1W/2,5VA	270 lm	320 gr	IK 08
GR-281/24V ACDC	A	923281001	ceiling emergency luminaire	2,1W/2,5VA	270 lm	320 gr	IK 08

LED EMERGENCY LUMINAIRES FOR DIRECT & RECESSED CEILING MOUNTING 230V ACDC (for CBS)

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
GR-280	B	923280000	ceiling emergency luminaire	2,6W/3VA	270 lm	250 gr	IK 08
GR-281	A	923281000	ceiling emergency luminaire	2,6W/3VA	270 lm	250 gr	IK 08
GR-296/30L/CBS	C	923296000	ceiling emergency luminaire	2,9W/3,15VA	255lm	250 gr	IK 08
GR-296/60L/CBS	C	923296001	ceiling emergency luminaire	4,9W/5,3VA	510 lm	250 gr	IK 08

LED SELF-TESTING, ADDRESSABLE, NON MAINTAINED EMERGENCY LUMINAIRES FOR DIRECT & RECESSED CEILING MOUNTING (for GR-6500 Panel)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	INSTALLATION	WEIGHT	IK PROT. CLASS
GR-290/ADR	B	923290003	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	270 lm	Escape routes	450 gr	IK 08
GR-291/ADR	A	923291003	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	270 lm	Open areas	450 gr	IK 08
GR-292/ADR	B	923292001	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	160 lm	Escape routes	450 gr	IK 08
GR-293/ADR	A	923293001	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	160 lm	Open areas	450 gr	IK 08

LED ADDRESSABLE CEILING MOUNTED EMERGENCY LUMINAIRES 24V DC FOR DIRECT & RECESSED CEILING MOUNTING for CBS

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT. CLASS
GR-280/24V/ADR	B	923280004	ceiling emergency luminaire	2,2W	270lm	IK 08	
GR-281/24V/ADR	A	923281004	ceiling emergency luminaire	2,2W	270lm	IK 08	

Weather Spot Light

(A)



IP40

(B)



IP40
IP65

(C)



IP40

(D)



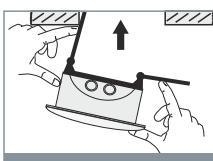
IP65



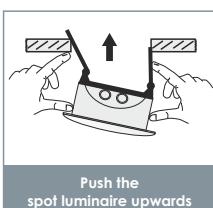
The packaging contains:
100 pcs. for the: GR-83, GR-80/W, GR-80/W/S
Packaging dimensions (LxWxH):
430x280x335 for the: GR-83, GR-80/W, GR-80/W/S



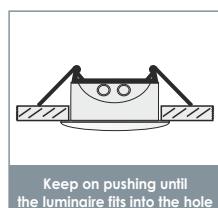
Mounting methods



Bend the two springs so that they can pass through the suspended ceiling hole



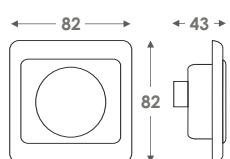
Push the spot luminaire upwards



Keep on pushing until the luminaire fits into the hole

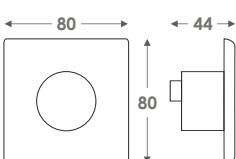
Dimensions in mm

Pic. A



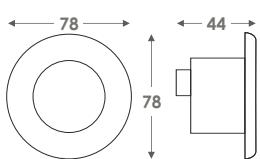
GR-83, GR-80/W,
GR-80/SL

Pic. B



GR-82/230V/SQ,
GR-82/WP/230V/SQ

Pic. C, D



GR-82/230V
GR-82/WP/230V

LED RECHARGEABLE NON MAINTAINED LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-83	A	923083001	3,6V/120mAh Ni-Mh	3 h	2VA	21 lm	100 gr

LED RECHARGEABLE MAINTAINED LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-82/230V	C	923082001	3,6V/120mAh Ni-Mh	3 h	4VA	1 lm / 22 lm	100 gr
GR-82/230V/SQ	B	923082006	3,6V/120mAh Ni-Mh	3 h	4VA	1 lm / 22 lm	100 gr
GR-82/WP/230V	D	923082002	3,6V/120mAh Ni-Mh	3 h	4VA	1 lm / 22 lm	100 gr
GR-82/WP/230V/SQ	B	923082009	3,6V/120mAh Ni-Mh	3 h	4VA	1 lm / 22 lm	100 gr

LED RECHARGEABLE WATERPROOF WALL MOUNTED LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-80/W	A	923080001	-	-	6VA	30 lm	100 gr
GR-80/W/SL	A	923080002	-	-	6VA	30 lm	100 gr

GR-XX / WP = Waterproof, GR-XX / SL = Housing in silver color, GR-XX / W = Housing in white color



Home Light



The packaging contains: 20 pcs. (A), 10 pcs. (B)
Packaging dimensions (LxWxH): 430x280x335 (A), 495x190x90 (B)



LED RECHARGEABLE, MAINTAINED LUMINAIRE 220-240V AC

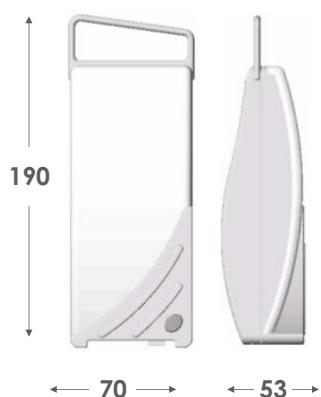
TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-11	B	923011000	3,6V/120mAh Ni-MH	3 h	3,5VA	28 lm	85 gr

LED PORTABLE, RECHARGEABLE, MAINTAINED LUMINAIRE (BACKUP LIGHTING)

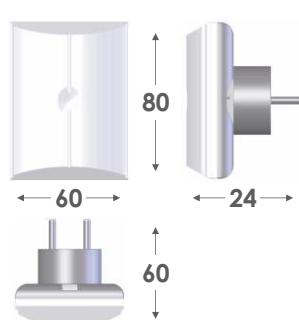
TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
* GR-60	A	923060000	3,6V/1Ah Ni-Cd	4 - 14 h	2,5W/3VA	up to 95 lm	565 gr

Dimensions in mm

Pic. A

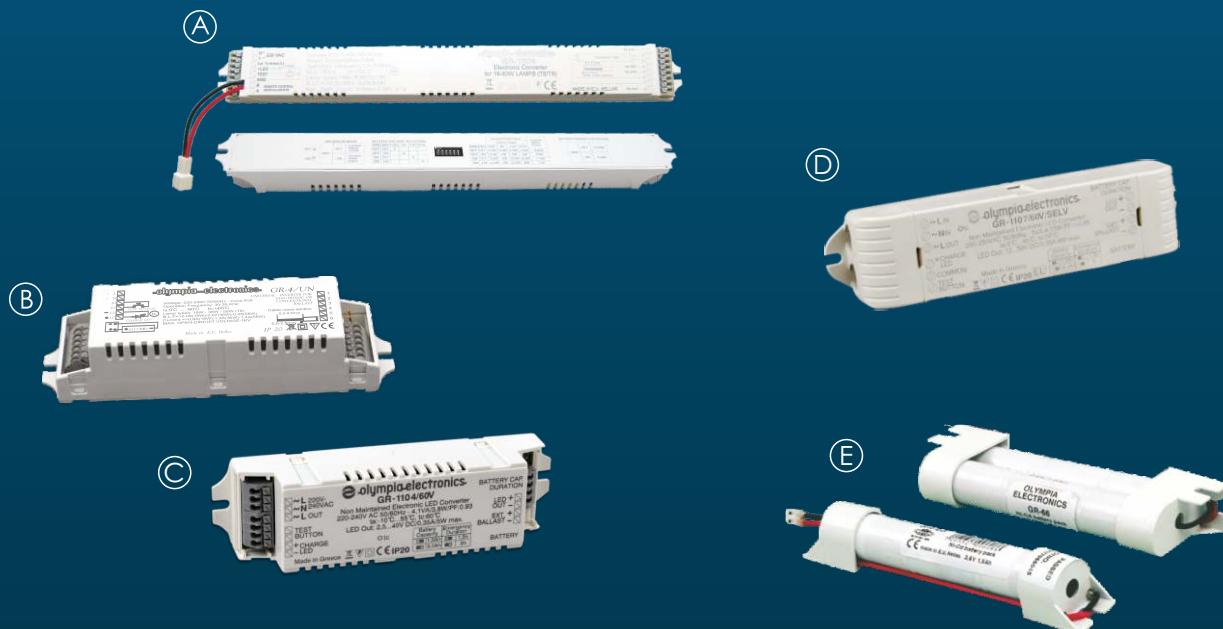


Pic. B



*The autonomy of the emergency luminaire GR-60 depends on the brightness setting (dimming).
This luminaire also has a light sensor function.

Converters



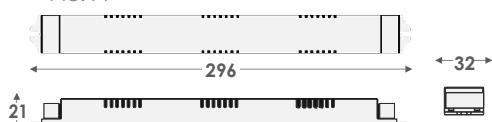
Packaging: 56pcs. (A), 16 pcs. (B.)

Paper box dimensions (LxWxH): 430x280x335 (A), 430x375x275 (B)

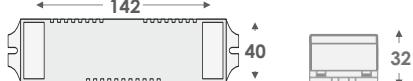


Dimensions in mm

Pic. A



Pic. B, C



Pic. D



Dimensions of the batteries in mm (Pic. E)

GR-61: 200 x 27 x 26mm | **GR-64:** 275 x 37 x 36mm

GR-65: 163 x 27 x 26mm | **GR-67:** 215 x 37 x 36mm

GR-62: 205 x 27 x 49mm | **GR-66:** 160 x 27 x 49mm

TYPE	GR-4/UN/A-966	GR-4/UN/65	GR-4/UN/66	GR-4/UN/67	GR-6/UN/61	GR-6/UN/62	GR-6/UN/64
18W (T8)	-----	90 min.	180 min.	240 min.	80 min.	160 min.	220 min.
36W (T8)	-----	70 min.	140 min.	180 min.	60 min.	120 min.	160 min.
58W (T8)	-----	60 min.	120 min.	160 min.	50 min.	100 min.	140 min.
18W (COMPACT)	-----	90 min.	180 min.	240 min.	80 min.	160 min.	220 min.
38W (2D/4PIN)	-----	70 min.	140 min.	180 min.	60 min.	130 min.	170 min.
36W (COMPACT)	-----	70 min.	140 min.	180 min.	70 min.	130 min.	180 min.
7-9W CFL	60 min.	-----	-----	-----	-----	-----	-----

TYPE	BATTERY	LAMPS														DURATION			
		6W (T5)	8W (T5)	11W (CFL)	13W (CFL)	14W (T5)	18W (CFL)	21W (T5)	24W (T5)	24W (CFL)	28W (T5)	32W (CIRC)	32W (CFL)	35W (T8)	36W (T8)	36W (CFL)	49W (T5)	54W (T5)	55W (CFL)
GR-1004-A/61	4,8V - 1,5Ah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	90'
GR-1004-B/62	4,8V - 3Ah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	3 h
GR-1004-C/71	8,4V - 1,5Ah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	90'
GR-1004-D/72	8,4V - 3Ah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	3 h
GR-1004-E/81	6V - 1,5Ah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	90'
GR-1004-F/82	6V - 3Ah	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	3 h



■ CONVERTERS - COMMON TO EMERGENCY LUMINAIRES 220-240V AC / 50-60Hz (FOR FLUORESCENT LAMPS T5, T8, PL)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-4/UN/65	B	960004028	3,6V/1,5Ah Ni-Cd	see table on side 54	4VA	395 gr
GR-4/UN/66	B	960004029	3,6V/3Ah Ni-Cd	see table on side 54	4VA	525 gr
GR-4/UN/67	B	960004030	3,6V/4Ah Ni-Cd	see table on side 54	4VA	605 gr
GR-6/UN/61	B	960006018	4,8V/1,5Ah Ni-Cd	see table on side 54	4VA	445 gr
GR-6/UN/62	B	960006019	4,8V/3Ah Ni-Cd	see table on side 54	4VA	540 gr
GR-6/UN/64	B	960006020	4,8V/4Ah Ni-Cd	see table on side 54	4VA	580 gr
GR-4/UN/127/230/67	B	960004046	3,6V/4Ah Ni-Cd	see table on side 54	4VA	605 gr

■ PROGRAMMABLE COMMON TO EMERGENCY LED LUMINAIRE CONVERTER 220-240V AC/ 50-60Hz

(LED volt output 2,5-35V with capability to connect 4,8V/1,5Ah or 3Ah battery / batteries are included)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-1104/40V/B-941/HT	C	960110410	4,8V / 3Ah	1,5 oder 3h*	3,5W/7VA	365 gr
GR-1104/40V/B-973/HT	C	960110408	4,8V / 1,5Ah	1,5 oder 3h*	3,5W/7VA	365 gr

■ PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINAIRE CONVERTER 4,8V 1,5Ah/3Ah

(LED volt output 12-58V DC / batteries are not included)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-1107/60V	D	960110700	4,8V / 1,5 / 3Ah	1,5 oder 3h*	4,75W/5VA	

■ PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINAIRE CONVERTER 4,8V 1,5Ah/3Ah

(LED volt output 50-100V DC / battery is not included)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-1107/100V	D	960110705	4,8V / 1,5 / 3Ah	1,5 or 3h*	4,75W/5VA	

■ PROGRAMMABLE COMMON TO EMERGENCY LED LUMINAIRE CONVERTER 220-240V AC/ 50-60Hz

(LED volt output 12-58V / batteries are included)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-1107/60V/B-973/HT	D	960110701	4,8V / 1,5Ah	1,5 oder 3h*	4,75W/5VA	400 gr
GR-1107/60V/B-941/HT	D	960110702	4,8V / 3Ah	1,5 oder 3h*	4,75W/5VA	480 gr

■ PROGRAMMABLE COMMON TO EMERGENCY LUMINAIRE CONVERTER FOR FLUORESCENT LAMPS

T5/T8 6-80W 220-240V AC / 50-60Hz (without battery)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-1004	A	960100400	4,8 - 8,4 V / 1,5 - 4 Ah	1 oder 3h*	13VA	180 gr

■ NON PROGRAMMABLE CONVERTERS FOR FLUORESCENT LAMPS T5/T8 6-80W 220-240V AC / 50-60Hz

(Batteries included)

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-1004-A/61	A	960100461	4,8V/1,5Ah	1,5 h	13VA	425 gr
GR-1004-B/62	A	960100462	4,8V/3Ah	3 h	13VA	510 gr
GR-1004-C/71	A	960100471	8,4V/1,5Ah	1,5 h	13VA	520 gr
GR-1004-D/72	A	960100472	8,4V/3Ah	3 h	13VA	695 gr
GR-1004-E/81	A	960100481	6V/1,5Ah	1,5 h	13VA	240 gr
GR-1004-F/82	A	960100482	6V/3Ah	3 h	13VA	360 gr

* Depending on the battery

Addressable Panel

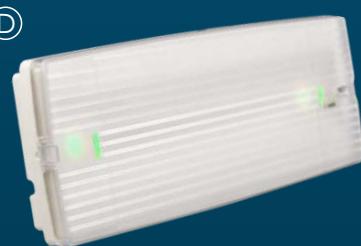
Addressable panel,
addressable emergency
luminaires & peripherals

(A)



IP30

(D)



Single box

(B)



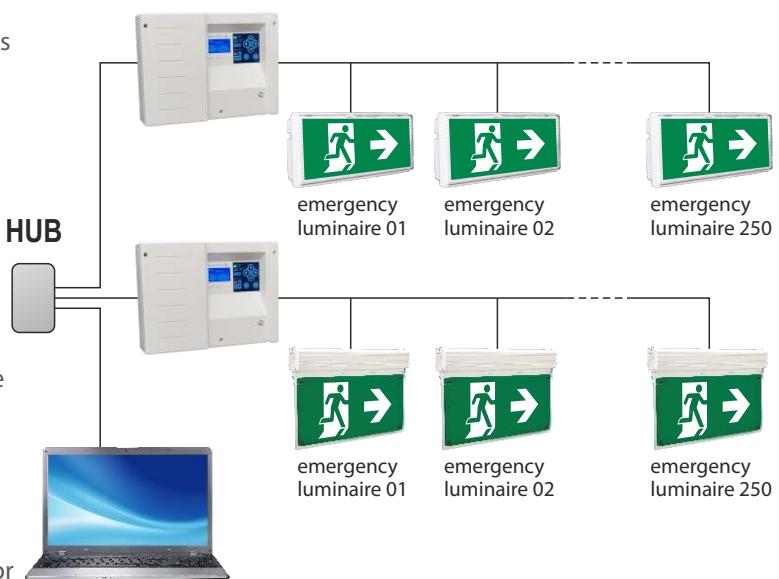
(C)



CE

Description of GR-6500 addressable panel

- ▶ Up to 250 addressable emergency luminaires
- ▶ Inhibit function for all luminaires
- ▶ Single Luminaire Monitoring: monitors the control circuit, the light source (led-stripe) and the battery of each luminaire separately
- ▶ 16 zones
- ▶ Capability for connecting several panels on an ethernet network
- ▶ The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- ▶ Datacables for the installations 1. LiCY , 2. YSLY-02, 3. Beldem
- ▶ 2 loops oder 4 zonen. You can have 2 loops or a star connection with 4 zones, maximum capacity of loop 150 luminaires.





■ ADDRESSABLE LUMINAIRES CONTROL PANEL 220-240V / 50-60Hz

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	WEIGHT
GR-6500**	A	923650001	12V/7Ah	>3h	25W/35VA	2000 gr

■ ACCESSORIES FOR THE GR-6500 PANEL

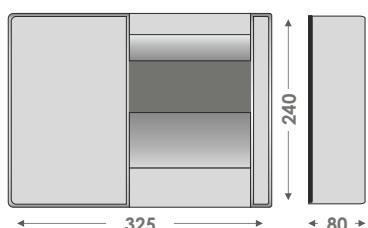
TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION
GR-8530	B	923853000	Ethernet network card	
GR-6079	C	923607900	Addressable module for LED & LAMP converters	< 0,3mA

■ LED ADDRESSABLE, SELF TESTING, MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES

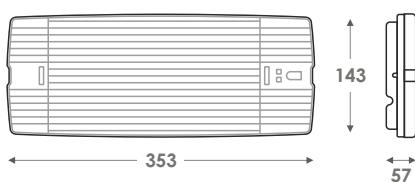
TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-315/15L/ADR/A*	D	923315022	3,6V/600mAh Ni-Cd	1,5 h	7VA	105/105 lm	740 gr
GR-316/15L/ADR/A*	D	923316018	3,6V/1,5Ah Ni-Cd	3 h	7VA	105/105 lm	810 gr
GR-315/30L/ADR/A*	D	923315023	3,6V/1,5Ah Ni-Cd	1,5 h	7,5VA	210/210 lm	810 gr
GR-316/30L/ADR/A*	D	923316019	3,6V/3Ah Ni-Cd	3 h	8VA	210/210 lm	890 gr
GR-308/15L/ADR/A	D	923308004	3,6V/3Ah Ni-Cd	8 h	7VA	125/125lm	870 gr

■ Dimensions in mm

Pic. A



Pic. D



For photometric data & luminaires details
please check pages 18-19

* Certification



KM640081
BS EN 60598-2-22



KM640086
BS EN 62034

Addressable Light

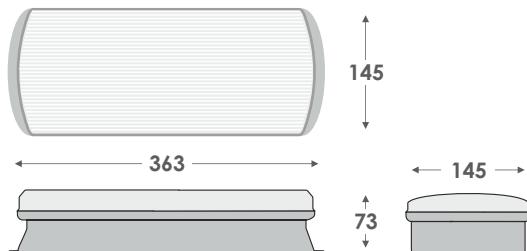
Addressable luminaires
for GR-6500 panel



CE

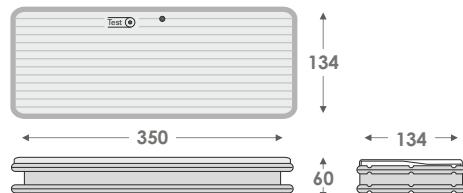
Dimensions in mm

Pic. A



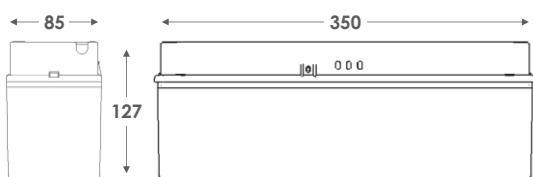
For photometric data & luminaires details
please check pages 26-27

Pic. B



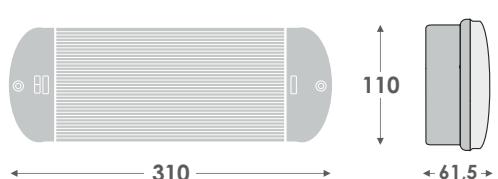
For photometric data & luminaires details
please check pages 32-33

Pic. C



For photometric data & luminaires details
please check pages 32-33

Pic. D



For photometric data & luminaires details
please check pages 30-31



■ LED ADDRESSABLE, WATERPROOF IP65, SELF TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-938/15L/ADR*	A	923938014	3,6V/600mAh Ni-Cd	1,5 h	3,4VA	105/105 lm	980 gr
GR-938/30L/ADR*	A	923938015	3,6V/1,5Ah Ni-Cd	1,5 h	4,7VA	210/210 lm	1050 gr
GR-939/15L/ADR*	A	923939014	3,6V/1,5Ah Ni-Cd	3 h	3,5VA	105/105 lm	1050 gr
GR-939/30L/ADR*	A	923939015	3,6V/3Ah Ni-Cd	3 h	5,5VA	210/210 lm	1130 gr
GR-938/4P/ADR	A	923938012	4,8V/1,5Ah Ni-Cd	1,5 h	5,0VA	175/350 lm	1075 gr
GR-938/6P/ADR	A	923938013	4,8V/3Ah Ni-Cd	1,5 h	6,2VA	245/480 lm	1170 gr
GR-939/4P/ADR	A	923939012	4,8V/3Ah Ni-Cd	3 h	5,5VA	175/350 lm	1170 gr
GR-939/6P/ADR	A	923939013	4,8V/4Ah Ni-Mh	3 h	6,4VA	245/480 lm	1210 gr

■ LED ADDRESSABLE, SELF TESTING, MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-390/L/ADR	B	923390004	3,6V/1,5Ah Ni-Cd	1,5 h	7,5VA	270/270 lm	1165 gr
GR-392/L/ADR	B	923392004	3,6V/3Ah Ni-Cd	3 h	8VA	270/270 lm	1235 gr
GR-736/21L/ADR	C	923736022	3,6V/1,5Ah Ni-Cd	3 h	7VA	175/175 lm	870 gr
GR-736/6L/ADR	C	923736006	3,6V/3Ah Ni-Cd	3 h	7,5VA	175/350 lm	920 gr

■ LED ADDRESSABLE, WATERPROOF IP65, SELF TESTING, MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1938/15L/ADR*	D	923193804	3,6V-600mAh	1,5h	3,8VA	105/105lm	595 gr
GR-1938/30L/ADR*	D	923193805	3,6V-1,5Ah	1,5h	4,9VA	210/210lm	675 gr
GR-1939/15L/ADR*	D	923193904	3,6V-1,5Ah	3h	3,7VA	105/105lm	675 gr
GR-1939/30L/ADR*	D	923193905	3,6V-3Ah	3h	5,6VA	210/210lm	745 gr

* Certification



KM640081
BS EN 60598-2-22

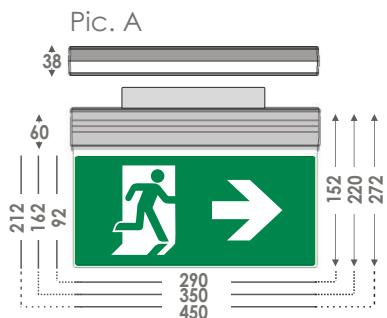
Addressable Light

Addressable
luminaires for GR-6500

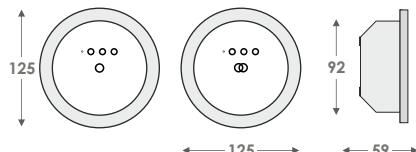


CE

Dimensions in mm



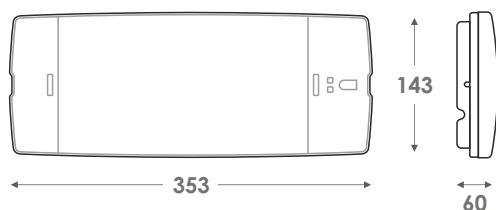
Pic. B, C



For mounting methods & luminaires details
please check pages 34-35

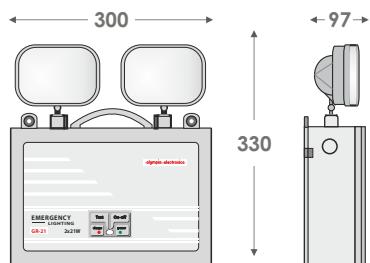
For photometric data & luminaires details
please check pages 58-59

Pic. D



For photometric data & luminaires details
please check pages 22-23

Pic. E, F, G, H



For photometric data & luminaires details
please check pages 52-53



■ ADDRESSABLE, SELF TESTING, MAINTAINED/NON MAINTAINED EMERGENCY EXIT SIGNS 220-240V AC

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT	IK PROT. CLASS
ZLD-28/EM/ADR*	A	922502862	3,6V/1,5Ah Ni-Mh	3 h	6,5VA	125/125 lm	1075 gr	IK 07
ZLD-34/EM/ADR*	A	922503467	3,6V/1,5Ah Ni-Mh	3 h	6,7VA	145/125 lm	1475 gr	IK 07
ZLD-44/EM/ADR	A	922504458	3,6V/1,5Ah Ni-Mh	3 h	6,9VA	170/125 lm	2045 gr	IK 07

■ LED ADDRESSABLE, SELF TESTING, NON MAINTAINED HIGH POWER LIGHT OUTPUT EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT
GRL-37/90/ADR	H	923037007	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4360 gr
GRL-37/180/ADR	H	923037008	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6560 gr
GRL-39/ADR	G	923039005	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	3880 gr

■ LED ADDRESSABLE, WATERPROOF IP65, SELF TESTING, NON MAINTAINED HIGH POWER LIGHT OUTPUT EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT SOURCE	LIGHT OUTPUT	WEIGHT
GRL-37/90/WP/ADR	F	923037009	12V/7Ah Pb	1,5 h	16VA	2x6P Leds	3200 lm	4520 gr
GRL-37/180/WP/ADR	F	923037010	2x12V/7Ah Pb	3 h	16VA	2x6P Leds	3200 lm	6700 gr
GRL-39/WP/ADR	E	923039006	12V/7Ah Pb	3 h	16VA	2X84 Leds	1620 lm	4020 gr

■ LED ADDRESSABLE, SELF TESTING, NON MAINTAINED EMERGENCY LUMINAIRES FOR DIRECT AND RECESSED CEILING MOUNTING

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT	INSTALLATION	WEIGHT
GR-290/ADR	C	923290003	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	270 lm	Escape routes	450 gr
GR-291/ADR	B	923291003	4,8V/1,2Ah Ni-Mh	1,5 h	3,5VA	270 lm	Open areas	450 gr
GR-292/ADR	C	923292001	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	160 lm	Escape routes	450 gr
GR-293/ADR	B	923293001	4,8V/1,2Ah Ni-Mh	3 h	3,5VA	160 lm	Open areas	450 gr

■ LED ADDRESSABLE, SELF TESTING, MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRES

TYPE	PICTURE	CODE	BATTERY	DURATION	CONSUMPTION	LIGHT OUTPUT (230V/EMERGENCY)	WEIGHT
GR-1315/15L/ADR*	D	923131504	3,6V/0,6Ah	1,5 h	3,4W / 3,8VA	105 lm/105lm	670 gr
GR-1315/30L/ADR*	D	923131505	3,6V/1,5Ah	1,5 h	4,5W / 4,9VA	210 lm/210lm	750 gr
GR-1316/15L/ADR*	D	923131604	3,6V/1,5Ah	3 h	3,3W / 3,7VA	105 lm/105lm	750 gr
GR-1316/30L/ADR*	D	923131605	3,6V/3Ah	3 h	5,3W / 5,6VA	210 lm/210lm	820 gr

* Certification



KM640081
BS EN 60598-2-22

CONVENTIONAL 24V DC Central battery system

LPS Low power system with zone detection



(A)



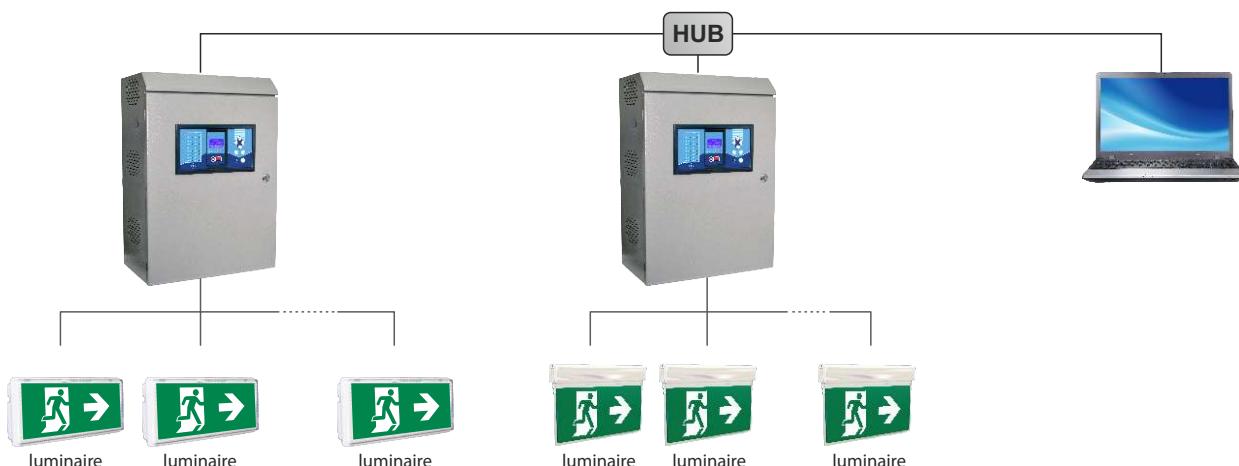
(B)



(C)

- ▶ Output: 24V DC In the mains and in emergency
- ▶ 300 - 600W zones
- ▶ 4-16 zones
- ▶ Capability for connecting several panels on an ethernet network
- ▶ The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- ▶ Independent program for each zone for maintained or non-maintained operation.

CE



300W PANEL / 24V DC

TYPE	PICTURE	CODE	DESCRIPTION
GR-8500/300/4	A	923850000	300W panel with 4 lighting circuits. Requires 2 batteries 12V/33Ah
GR-8500/300/8	A	923850001	300W panel with 8 lighting circuits. Requires 2 batteries 12V/33Ah
GR-8500/300/12	A	923850002	300W panel with 12 lighting circuits. Requires 2 batteries 12V/33Ah
GR-8500/300/16	A	923850003	300W panel with 16 lighting circuits. Requires 2 batteries 12V/33Ah

*Batteries are not included

600W PANEL/ 24V DC

TYPE	PICTURE	CODE	DESCRIPTION
GR-8500/600/8	A	923850004	600W panel with 8 lighting circuits. Requires 2 batteries 12V/55Ah
GR-8500/600/16	A	923850005	600W panel with 16 lighting circuits. Requires 2 batteries 12V/55Ah

*Batteries are not included

PERIPHERALS

TYPE	PICTURE	CODE	DESCRIPTION
GR-8510	C	923851000	4 zone lighting circuit extension card 24V / 300 Watt
GR-8530	B	923853000	Network card through ETHERNET



LED EMERGENCY LUMINAIRES 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-325/6P/24V DC/A	A	923325008	emergency luminaire	5,4W	580 lm	
GR-324/15L/24V DC/A	A	923324018	emergency luminaire	1,05W	125 lm	700 gr
GR-324/30L/24V DC/A	A	923324019	emergency luminaire	2,05W	250 lm	700 gr

LED WATERPROOF IP65 EMERGENCY LUMINAIRES 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-926/15L/24V DC	B	923926014	emergency luminaire IP65	1,05W	125 lm	830 gr
GR-926/30L/24V DC	B	923926015	emergency luminaire IP65	2,05W	250 lm	830 gr

LED EMERGENCY EXIT SIGNS 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT.CLASS
ZLD-28/CBS/24V DC/EM	C	922502867	emergency exit sign	1,25W	150 lm	945 gr	IK 07
ZLD-34/CBS/24V DC/EM	C	922503471	emergency exit sign	1,45W	175 lm	1340 gr	IK 07
ZLD-44/CBS/24V DC/EM	C	922504462	emergency exit sign	1,55W	200 lm	1870 gr	IK 07



For photometric data
& luminaires details
please check pages 18-19

For photometric data
& luminaires details
please check pages 26-27

For mounting methods
& luminaires details
please check pages 34-35

CBS 24V ACDC LUMINAIRES

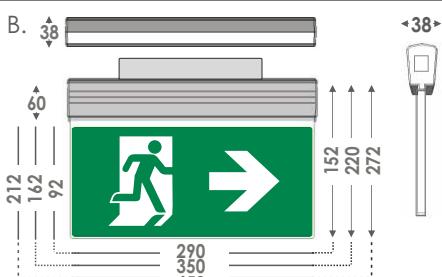


CE

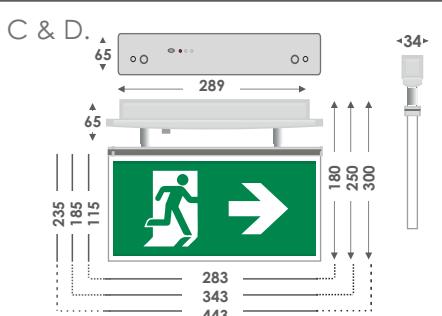
Dimensions in mm



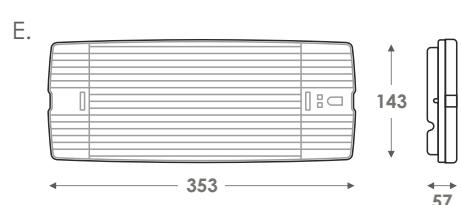
For mounting method & luminaires details please check pages 34-35



For mounting method & luminaires details please check pages 34-35



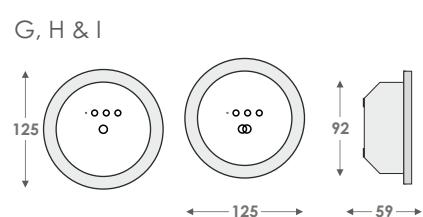
For mounting method & luminaires details please check pages 40-41



For photometric data & luminaires details please check pages 18-19



For photometric data & luminaires details please check pages 26-27



For photometric data & luminaires details please check pages 58-59



LED EMERGENCY LUMINAIRES 24V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-324/15L/24V ACDC/A	E	923324016	emergency luminaire	1,25W/1,4VA	125 lm	700 gr
GR-324/30L/24V ACDC/A	E	923324017	emergency luminaire	2,6W/2,8VA	250 lm	700 gr

LED WATERPROOF IP65 EMERGENCY LUMINAIRES 24V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-926/15L/24V ACDC	F	923926011	emergency luminaire IP65	1,5W/1,8VA	125 lm	830 gr
GR-926/30L/24V ACDC	F	923926012	emergency luminaire IP65	2,5W/2,8VA	250 lm	830 gr

LED EMERGENCY EXIT SIGNS 24V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT.CLASS
DLD-28/CBS/w/24V ACDC	A	922202808	emergency exit sign	1,2W/1,5VA	100 lm	610 gr	
DLD-34/CBS/w/24V ACDC	A	922203412	emergency exit sign	1,5W/1,8VA	125 lm	960 gr	
DLD-44/CBS/w/24V ACDC	A	922204405	emergency exit sign	1,5W/1,8VA	125 lm		
ZLD-28/CBS/24V ACDC/EM	B	922502864	emergency exit sign	1,4W/1,55VA	150 lm	945 gr	IK 07
ZLD-34/CBS/24V ACDC/EM	B	922503469	emergency exit sign	1,6W/1,75VA	175 lm	1340 gr	IK 07
ZLD-44/CBS/24V ACDC/EM	B	922504460	emergency exit sign	1,85W/2,05VA	200 lm	1870 gr	IK 07

LED EMERGENCY EXIT SIGNS 24V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
SLD-28/CBS/SP/24V ACDC	C	922028017	emergency exit sign	1,2W/1,5VA	100 lm	910 gr
SLD-34/CBS/SP/24V ACDC	C	922034016	emergency exit sign	1,5W/1,8VA	125 lm	1310 gr
SLD-44/CBS/SP/24V ACDC	C	922044010	emergency exit sign	1,5W/1,8VA	125 lm	
SLD-28/CBS/DZ/24V ACDC	D	922028016	emergency exit sign	1,2W/1,5VA	100 lm	880 gr
SLD-34/CBS/DZ/24V ACDC	D	922034015	emergency exit sign	1,5W/1,8VA	125 lm	
SLD-44/CBS/DZ/24V ACDC	D	922044009	emergency exit sign	1,5W/1,8VA	125 lm	

LED EMERGENCY LUMINAIRES FOR DIRECT AND RECESSED CEILING MOUNTING 24V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-280/24V ACDC	H	923280001	Emergency, ceiling mounted	2,1W/2,3VA	270 lm	320 gr
GR-281/24V ACDC	G	923281001	Emergency, ceiling mounted	2,1W/2,3VA	270 lm	320 gr

24V DC Addressable central battery system

LPS - Low Power System with single luminaire detection

(A)



- ▶ Output: 24V DC
- ▶ 300W - 600W panels
- ▶ 4 - 8 zones
- ▶ Capability for connecting several panels on an ethernet network
- ▶ The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- ▶ Independent program for each zone for maintained or non-maintained operation.

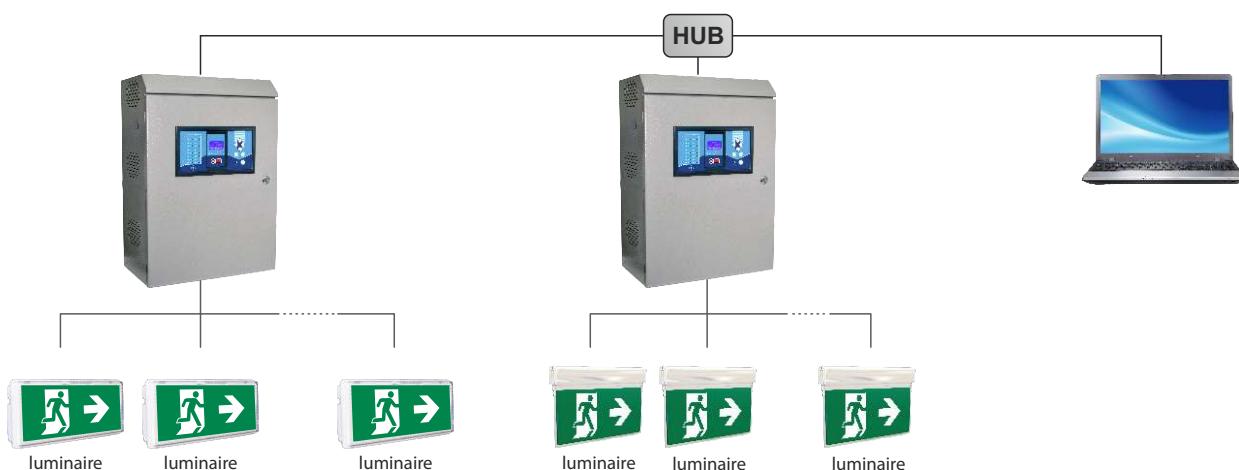
(B)



(C)



CE



300W PANEL / 24V DC

TYPE	PICTURE	CODE	DESCRIPTION
GR-8600/300/4	A	923860004	300 Watt panel with 4 lighting circuits. Requires 2 batteries 12V/33Ah
GR-8600/300/8	A	923860005	300 Watt panel with 8 lighting circuits. Requires 2 batteries 12V/33Ah

*Batteries are not included

600W PANEL / 24V DC

TYPE	PICTURE	CODE	DESCRIPTION
GR-8600/600/8	A	923860006	600 Watt panel with 8 lighting circuits. Requires 2 batteries 12V/55Ah

*Batteries are not included

PERIPHERALS

TYPE	PICTURE	CODE	DESCRIPTION
GR-8610	C	923861000	4 zone lighting circuit extension card for addressable luminaires CBS 24V / 300 Watt
GR-8530	B	923853000	Network card through ETHERNET



LED ADDRESSABLE EMERGENCY LUMINAIRES 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-324/15L/24V/ADR/A	A	923324021	emergency luminaire	1,1W	125lm	
GR-324/30L/24V/ADR/A	A	923324022	emergency luminaire	2,1W	255lm	

LED ADDRESSABLE WATERPROOF IP65 EMERGENCY LUMINAIRES 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-1926/15L/24V/ADR	B	923192608	emergency luminaire IP65	1,5W	125lm	510 gr
GR-1926/30L/24V/ADR	B	923192609	emergency luminaire IP65	2,3W	255lm	510 gr

LED ADDRESSABLE EMERGENCY EXIT SIGNS 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	IK PROT.CLASS
ZLD-28/24V/ADR/EM	C	922502869	emergency exit sign	1,3W	150lm	IK 07
ZLD-34/24V/ADR/EM	C	922503473	emergency exit sign	1,5W	175lm	IK 07

LED ADDRESSABLE EMERGENCY LUMINAIRES FOR DIRECT AND RECESSED CEILING MOUNTING 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-280/24V/ADR	E	923280004	Emergency, ceiling mounted	2,2W	270lm	
GR-281/24V/ADR	D	923281004	Emergency, ceiling mounted	2,2W	270lm	

LED ADDRESSABLE EMERGENCY LUMINAIRE 24V DC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-736/21L/24V/ADR	F	923736026	Emergency luminaire	1,8W	175lm	



For photometric data & luminaires details please check pages 18-19

For photometric data & luminaires details please check pages 30-31

For mounting method & luminaires details please check pages 34-35

For photometric data & luminaires details please check pages 58-59

For photometric data & luminaires details please check pages 32-33

CONVENTIONAL CBS 230V AC Central battery system

LPS - Low Power System with zone detection

(A)



- ▶ Output: 230V AC In the mains and in emergency

- ▶ 300VA - 600VA panels

- ▶ 4-8 zones

- ▶ Capability for connecting several panels on an ethernet network

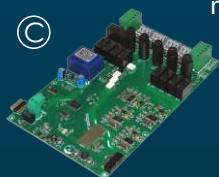
- ▶ The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)

- ▶ Independent program for each zone for maintained or non-maintained operation.

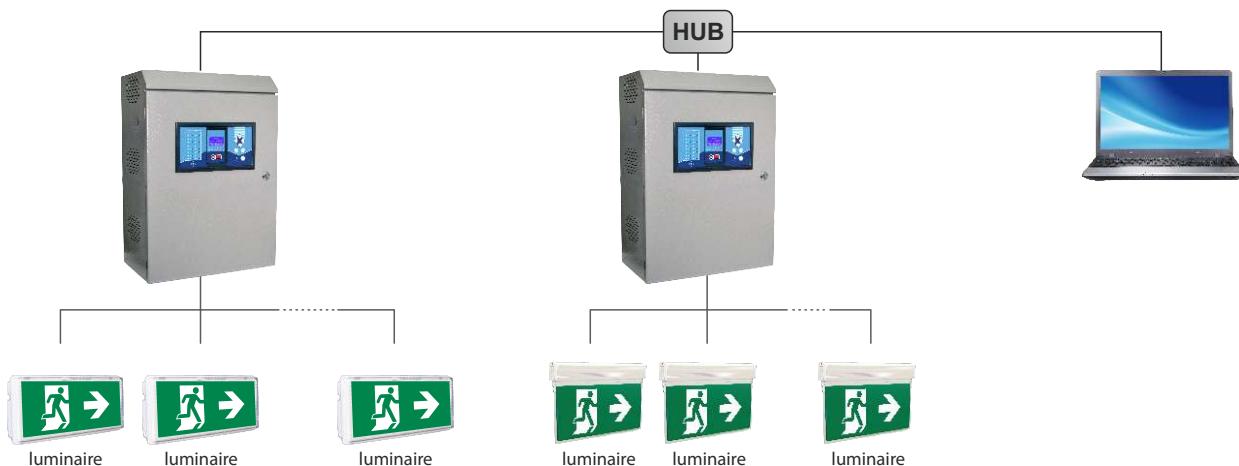
(B)



(C)



CE



■ 300VA/1h or 100VA/3h PANEL 230V AC

TYPE	PICTURE	CODE	DESCRIPTION
GR-9500/300/4	A	923950002	4 lighting circuits panel. Requires 2 batteries 12V/33Ah
GR-9500/300/8	A	923950004	8 lighting circuits panel. Requires 2 batteries 12V/33Ah

*Batteries are not included

■ 600VA/1h or 200VA/3h PANEL 230V AC

TYPE	PICTURE	CODE	DESCRIPTION
GR-9500/600/8	A	923950003	8 lighting circuits panel. Requires 2 batteries 12V/55Ah

*Batteries are not included

■ PERIPHERALS

TYPE	PICTURE	CODE	DESCRIPTION
GR-9510	C	923951000	4 zone lighting circuit extension card 230V / 300 Watt
GR-8530	B	923853000	Network card through ETHERNET



LED EMERGENCY LUMINAIRES 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-2000/CBS	C	923200004	emergency luminaire	1,55W/1,78VA	125 lm	350 gr

LED EMERGENCY LUMINAIRES 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-324/4P/A	A	923324013	emergency luminaire	5,8W/6,9VA	460 lm	660 gr
GR-325/6P/A	A	923325006	emergency luminaire	6,5W/6,9VA	580 lm	660 gr
GR-324/15L/A	A	923324014	emergency luminaire	1,75W/2VA	125 lm	660 gr
GR-324/30L/A	A	923324015	emergency luminaire	2,9W/3,2VA	250 lm	660 gr

LED WATERPROOF IP65 EMERGENCY LUMINAIRES 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-926/15L	B	923926007	emergency luminaire IP65	1,75W/2VA	125 lm	880 gr
GR-926/30L	B	923926008	emergency luminaire IP65	2,9W/3,2VA	250 lm	880 gr

LED EMERGENCY EXIT SIGNS 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT	IK PROT.CLASS
ZLD-28/CBS/EM	E	922502863	emergency exit sign	1,9W/2,1VA	150 lm	985 gr	IK 07
ZLD-34/CBS/EM	E	922503468	emergency exit sign	2,2W/2,42VA	175 lm	1380 gr	IK 07
ZLD-44/CBS/EM	E	922504459	emergency exit sign	2,6W/2,86VA	200 lm	1910 gr	IK 07
DLD-28/CBS/w	D	922202870	emergency exit sign	1,5W/4,0VA	100 lm	650 gr	
DLD-34/CBS/w	D	922603401	emergency exit sign	1,5W/4,0VA	125 lm	1000 gr	
DLD-44/CBS/w	D	922604410	emergency exit sign	1,5W/4,0VA	125 lm	1620 gr	

LED EMERGENCY EXIT SIGNS 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
SLD-28/CBS/SP	F	922028009	emergency exit sign	1,35W/1,65VA	100 lm	930 gr
SLD-34/CBS/SP	F	922034010	emergency exit sign	1,60W/1,9VA	125 lm	1260 gr
SLD-44/CBS/SP	F	922044007	emergency exit sign	1,60W/1,9VA	125 lm	1970 gr
SLD-28/CBS/DZ	G	922028003	emergency exit sign	1,35W/1,65VA	100 lm	930 gr
SLD-34/CBS/DZ	G	922034004	emergency exit sign	1,60W/1,9VA	125 lm	1290 gr
SLD-44/CBS/DZ	G	922044003	emergency exit sign	1,60W/1,9VA	125 lm	1960 gr

LED EMERGENCY EXIT SIGN 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT
PLD-25/CBS	H	922502869	emergency exit sign	1,6W	100lm

EMERGENCY LED SPOT FOR RECESS CEILING MOUNTING

TYPE	CODE	DESCRIPTION
KIT-75/84	923084003	GR-77 electronic ballast, GR-84 emergency luminaire & battery



Luminaire's A details page 18-19
 Luminaire's B details page 26-27
 Luminaire's C details page 14

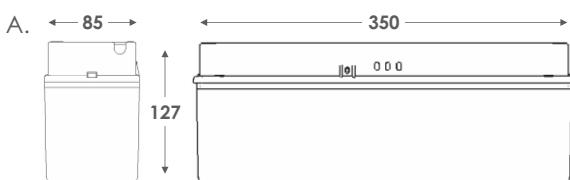
Luminaire's D details page 34-35
 Luminaire's E details page 34-35
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Emergency luminaires for CBS 230V AC



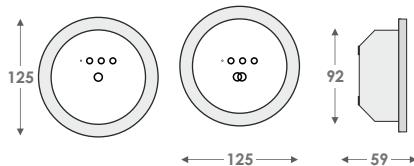
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Dimensions in mm

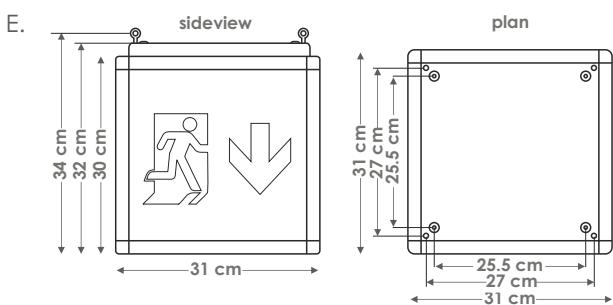


For mounting method & luminaires details
please check pages 32-33

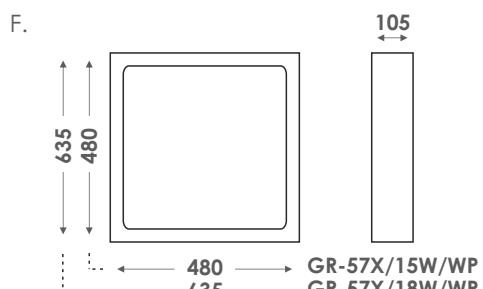
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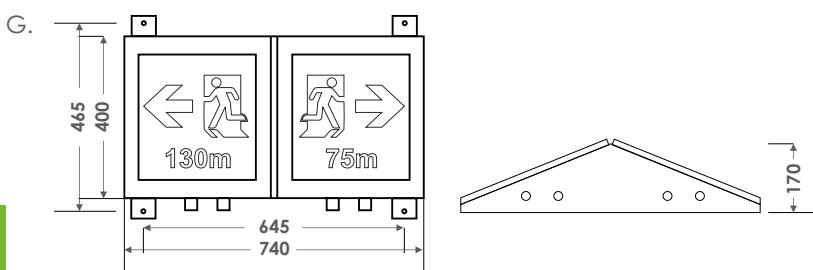
For photometric data & luminaires details
please check pages 58-59



For photometric data & luminaires details
please check pages 50-51



For photometric data & luminaires details
please check pages 48-49



For luminaires details
please check pages 50-51



■ 3D-TUNNEL LED EMERGENCY LUMINAIRES 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-424/4P	E	923424001	Emergency indication	5,8W/6,1VA	460lm	3170 gr
GR-576/L/15/WP	F	923576100	Emergency indication	7,2W/7,6VA	680lm	
GR-576/L/15/WP/O	F	923576102	Emergency indication	7,2W/7,6VA	680lm	7445 gr
GR-576/L/18/WP	F	923576101	Emergency indication	8,8W/9,3VA	850lm	
GR-576/L/18/WP/O	F	923576103	Emergency indication	8,8W/9,3VA	850lm	
GR-575/L/WP	G	923575100	Emergency indication	14,4W/15,2VA	1360lm	

■ LED EMERGENCY LUMINAIRES FOR DIRECT AND RECESSED CEILING MOUNTING 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-296/30L/CBS	D	923296000	Emergency, ceiling mounted	2,9W/3,15VA	255lm	250 gr
GR-296/60L/CBS	D	923296001	Emergency, ceiling mounted	4,9W/5,3VA	510 lm	250 gr
GR-280	C	923280000	Emergency, ceiling mounted	2,6W/3VA	270 lm	250 gr
GR-281	B	923281000	Emergency, ceiling mounted	2,6W/3VA	270 lm	250 gr

■ LED EMERGENCY LUMINAIRES 230V ACDC

TYPE	PICTURE	CODE	DESCRIPTION	CONSUMPTION	LIGHT OUTPUT	WEIGHT
GR-736/6L/CBS	A	923736002	emergency luminaire	4,75W/5,05VA	350 lm	715 gr
GR-736/21L/CBS	A	923736004	emergency luminaire	4,6W/4,9VA	175 lm	715 gr





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SAFETY & SECURITY SYSTEMS

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MARKING SIGNS REPLACEMENTS - ACCESSORIES

ACCESSORIES / REPLACEMENTS

BATTERIES (1 year guarantee)

TYPE	CODE	DESCRIPTION
B-936/HT60SC	601134840	Battery Ni-MH 4.8V/ 4Ah
B-970/HT	601212415	Battery pack Ni-Cd 2.4V/ 1.5 Ah
B-971/HT	601212430	Battery pack Ni-Cd 2.4V/ 3 Ah
B-972/HT	601213615	Battery packNi-Cd 3.6V/ 1.5 Ah
B-973/HT	601214815	Battery pack Ni-Cd 4.8V/ 1.5 Ah
B-974/HT	601213640	Battery packNi-Cd 3.6V/ 4Ah
A-920	603001226	Battery 12V/2,6Ah
A-926	601003606	Battery Ni-Cd 3,6V/600mAh
A-978	601000012	Battery Ni-Cd 1.2V/ 1.5Ah
A-986	603001270	Sealed lead acid battery Pb 12V/ 7Ah
A-988	603000645	Lead acid battery 6V/ 4Ah
A-989	603001211	Lead acid battery Pb 12V/ 1.3Ah
A-991	927991000	Lead acid battery Pb 24V/ 2Ah
A-992	603001220	Lead acid battery Pb 12V/ 2Ah
A-925/HT	601103606	Battery 3.6V/600mAh Ni-MH HT (halogen free)
A-931/HT	601233610	Battery Ni-Cd 3,6V/1Ah HT with cable & connector (halogen free)
A-965/HT	601103612	Battery 3.6V/1,5Ah Ni-MH HT (1200) (halogen free)
A-1200	603101233	Lead acid battery 12V/ 33Ah
A-1202	603101255	Lead acid battery 12V/ 55Ah
B-952/HT	601113620	Battery 3,6V/2Ah Ni-MH HT (halogen free)
B-949/HT	601233630	Battery Ni-Cd 3,6V/3Ah HT (halogen free)
B-974/HT	601213640	Battery Ni-Cd 3,6V/4Ah HT (halogen free)
C-930/HT	601104812	Battery 4,8V/1,2Ah Ni-MH (halogen free cable) AWG16
B-954HT	601134820	Battery 4,8V/2Ah Ni-MH HT (halogen free)
B-941/HT	601214830	Battery Ni-Cd 4,8V/3Ah HT (halogen free)
B-979/HT	601214840	Battery Ni-Cd 4,8V/4 Ah HT (halogen free)
A-961	603001290	Lead acid battery 12V/9Ah (halogen free)

They are installed in areas where it is vital to guide and inform the public without the need of emergency illumination.

MARKING SIGNS

The symbols below are according to European Norms.

SAFE CONDITION SIGNS													
E001 Emergency exit (left hand)	E002 Emergency exit (right hand)	E003 First aid	E004 Emergency telephone	E005 Direction, arrow (90° increments), safe condition	E006 Direction, arrow (45° increments), safe condition	E007 Evacuation assembly point	E008 Break to obtain access	E009 Doctor	E010 Automated external heart defibrillator	E011 Eyewash station	E012 Safety shower		
FIRE EQUIPMENT SIGNS													
F001 Fire extinguisher	F002 Fire hose reel	F003 Fire ladder	F004 Collection of firefighting equipment	F005 Fire alarm call point	F006 Fire emergency telephone								
MANDATORY ACTION SIGNS													
M001 General mandatory action sign	M002 Refer to instruction manual/booklet	M003 Wear ear protection	M004 Wear eye protection	M005 Connect an earth terminal to the ground	M006 Disconnect mains plug from electrical outlet	M007 Opaque eye protection must be worn	M008 Wear safety footwear	M009 Wear protective gloves	M010 Wear protective clothing	M011 Wash your hands	M012 Use handrail	M013 Wear a face shield	
PROHIBITION SIGNS													
P001 General prohibition sign	P002 No smoking	P003 No open flame: Fire, open ignition source and smoking prohibited	P004 No thoroughfare	P005 Not drinking water	P006 No access for forklift trucks & other industrial vehicles	P007 No access for people with active implanted cardiac devices	P008 No metallic articles or watches	P010 Do not touch	P011 Do not extinguish with water	P012 No heavy load	P013 No activated mobile phones	P014 No access for people with metallic implants	
P015 No reaching in	P017 No pushing	P018 No sitting	P019 No stepping on surface	P020 Do not use lift in the event of fire	P021 No dogs	P022 No eating or drinking	P023 Do not obstruct	P024 Do not walk or stand here	P025 Do not use this incomplete scaffold	P026 Do not use this device in a bathtub, shower or water-filled reservoir	P027 Do not use this lift for people	P028 Do not wear gloves	
WARNING SIGNS													
W001 General warning sign	W002 Warning: Explosive material	W003 Warning: Radioactive material	W004 Warning: Laser beam	W005 Warning: Non-ionizing radiation	W006 Warning: Magnetic field	W007 Warning: Floor-level obstacle	W008 Warning: Drop (fall)	W009 Warning: Biological hazard	W010 Warning: Low temperature/freezing conditions	W011 Warning: Slippery surface	W012 Warning: Electricity	W013 Warning: Guard dog	
W014 Warning: Forklift trucks and other industrial vehicles	W015 Warning: Overhead load	W016 Warning: Toxic material	W017 Warning: Hot surface	W018 Warning: Automatic start-up	W019 Warning: Crushing	W020 Warning: Overhead obstacle	W021 Warning: Flammable material	W022 Warning: Sharp element	W023 Warning: Corrosive substance	W024 Warning: Crushing of hands	W025 Warning: Counterrotating rollers	W026 Warning: Battery charging	

PHOTO LUMINESCENT MARKING SIGNS FOR SHIPS

The symbols below are according to European Norms.





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NOTES

The following conditions shall apply to any estimates, offers or acknowledged orders prepared in connection with any sales made outside Greek Territory by Olympia Electronics S.A.

1. GENERAL CONDITIONS

By ordering goods, the buyer simultaneously proceeds to the acceptance of the export sales terms herein contained, regardless of any conditions, which may appear on the buyer's documents and subject to any special conditions accepted in writing.

2. PURCHASE ORDERS

The orders should be sent to Olympia Electronics in writing via e-mail or fax. In case that an order is lower than the amount of EURO 1000,00 then the buyer is charged EURO 75,00 fixed administrative cost.

3. PURCHASE ORDER CANCELLATION

Olympia Electronics reserves the right to cancel an order in case that information is given by a data bank that the customer faces serious financial problems.

4. DISPATCH OF AN ORDER

The delivery terms vary by case and depend on the agreement between Olympia Electronics and the buyer. The terms in force are indicated on the invoice.

5. PRICES

Valid prices are the ones that are mentioned in the official export price list of Olympia Electronics. Olympia Electronics reserves the right to make any modification.

6. TERMS OF PAYMENT

Terms of payment are specified on the invoice. In case that the buyer does not apply the specified terms of payment, Olympia Electronics reserves the right to issue an extra invoice charging customer the legal expenses for a period equal to the delay of the outstanding payment.

7. SAMPLES

Each potential buyer has the right to receive free of charge samples with value not exceeding EURO 50,00. The transportation cost of the samples is charged to the potential buyer.

8. LIMITED RESPONSIBILITY

Olympia Electronics is not responsible in case of mistreatment or bad operating conditions of goods by the buyer. Therefore the buyer cannot take any action against Olympia Electronics

9. WARRANTY

Olympia Electronics guarantees the quality, condition and operation of the goods. The period of warranty is specified in the official catalogue of Olympia Electronics and also in the technical leaflet, which accompanies each product. This warranty ceases to exist if the buyer does not follow the technical instructions included in official documents given by Olympia Electronics or if the buyer modifies the goods provided or has any repairs or re-setting done by a third party, unless Olympia Electronics has fully agreed to them in writing. The defected goods can be returned only after a written confirmation by Olympia Electronics. Olympia Electronics reserves the right to repair or to replace the returned goods and to or not charge the buyer depending on the reason of defect and unless a certain remedy is deemed to be impossible or disproportionate for instance if it imposes costs on us which are unreasonable. Olympia Electronics reserves the right to charge or not the buyer the transportation cost. Replacements are only made if it proves to be necessary by our technical department.

When replacing a defective product, since the installation of the purchased product is not part of the contractual obligations agreed upon between the seller and the consumer, we are not required to bear neither the costs of removing that defective product nor those of installing the new- free from defects product.

10. LEGAL DISPUTES

In case of disputes arising from the interpretation or the performance of the contract agreed upon, Thessaloniki Greek court will be the only competent court.

11. INSURANCE

In case of any damage during delivery, the client must not sign for the collection of the goods so as Olympia Electronics to be able to claim this damage from the insurance company, otherwise Olympia Electronics is not responsible for the damage.





for a safer world!

010218



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