



est. 1979

for a safer world!

Our mission

To be among the most innovative European companies in the Electronic Safety & Security Systems industry.

Our philosophy

Produce high quality, state-of-the-art, innovative products at a competitive price level. Be an 'Easy To Do Business With' company. Be customer-focused and provide excellent service.

Exports_{to} 72 countries



est. 1979

olympiaTM
electronics

SAFETY & SECURITY SYSTEMS

for a safer world!

OUR COMPANY

since 1979

Innovative electronic safety and security systems

200 employees with more than 10% in R & D department

Strong presence in over 72 countries

Purely Greek company

Certified products according to the European Norms

PRODUCTS

Emergency lighting

Fire detection systems

Gas detection systems

Burglar alarm and security systems

Electronic room thermostats

[Emergency lighting & fire detection systems for marine applications](#)

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 Norms (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 certification bodies such as: LPCB, EVPU, BSI, 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.

EXPORTS

We export to 72 countries:

European Union

Eastern European countries & Russia

Middle East and Gulf States

Africa

U.S.A

Australia

CERTIFICATIONS

EVPU



CE



EAC

1. KPMG-00081
BS EN 60598-2-22
2. KPMG-00086
BS EN 60334
3. KPMG-00088
BS EN 61347-2-7
4. KPMG-01103
BS EN 50174

APPROVAL
SWISS
Objectively True



1010a/01
1010a/02
1010b/01
1010b/02
1010c/01
1010c/02
1010d/01
1010d/02



REFERENCES

HOTELS

Asplund Hotel / Sweden, The Westin Resort Costa Navarino, Kalamata / Greece, Movenpick, Petra / Jordan, Hilton, Athens / Greece, Hotel Pullman ZamZam Makkah / Saudi Arabia, Le Royal Hotel, Dbayah / Lebanon, Grand Hotel Palace, Thessaloniki / Greece, King George, Athens / Greece, Akti Imperial Deluxe Resort & Spa, Rhodes/ Greece, Sideri, Mykonos/ Greece, Aqua Blue, Santorini/ Greece, Orycheio, Santorini/ Greece, Palmyra, Glifada/ Greece, Acropol, Athens/ Greece, Kalamaki Beach, Korinthos/ Greece, Artemis, Kos/ Greece, Casa Cook, Kos / Greece Continental, Kos / Greece, Aggrelli, Kos / Greece, Origin Hotel & Appartments, Kos / Greece, Atlantica Thalassa, Kos / Greece, Marmari Beach, Kos/ Greece, Amada Colossos, Rhodes / Greece





MISCELLANEOUS INSTALLATIONS

Luxembourg Science Center / Luxembourg,
 Trilogy Limassol / Cyprus , Belgrade National
 Museum / Serbia, Farwaniya Hospital / Kuwait,
 Y.M.C.A Thessaloniki /Greece,
 Hushagsgymnasiet school / Sweden,
 Sportsarena Anglagarden / Sweden, Kleanthis
 Vikelidis Stadium, Thessaloniki /Greece,
 Happel Stadium / Wien , Austria, Frescati
 university library / Sweden, Schwerin metro /
 Germany, Better Life Appliances for Cayan
 Tower/ Dubai, 132/33kv Kadrah Grid Station /
 Oman, Desert Night Camp / Oman, 33kv
 Tumrait Sub Station / Oman, 33kv SOHAR Sub
 Station / Oman, 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, Orebro Castle/ Sweden Metropolitan
 Medical Center, Athens/ Greece,
 Cardiological Clinic of Tzaneio Hospital,
 Athens/ Greece, General Hospital, Athens/
 Greece, Hospital Paidon Pentelis, Athens/
 Greece, Hellenic Open University/ Greece,
 Ralleios School of Peiraia/ Greece, General
 High School, Tripoli/ Greece, School Complex
 Moraitis, Athens/ Greece, 16th School
 Complex of Patra / Greece, 5th Nursery
 School, Athens/ Greece , OTE Building ,
 Athens/ Greece, OTE Building Ampelokipoi,
 Athens/ Greece, Law Office Building "Sioufas"
 , Athens/ Greece, Teleperformance
 Company , Athens/ Greece, Warehouse of
 tiles "Lakiotis Company", Athens/ Greece,
 Corporate Offices "Nestle", Malta

AIRPORTS

Arlanda Airport / Sweden, Landvetter
 Airport / Sweden, Macedonia Airport /
 Greece, Lisbon, Airport / Portugal, New
 Delhi Airport / India, Frankfurt Airport /
 Germany, El. Venizelos/ Greece Doha
 International airport / Qatar, Oslo
 Airport / Norway, Santorini / Greece,
 Aristarhos of Samos / Greece

SHOPPING CENTERS

Armada shopping center / UK, Solaris
 shopping center / Esthonia, Bergvik
 shopping center / Sweden, Shopping
 center Mitt I city / Sweden



REFERENCES

RESIDENTIAL APARTMENTS

Wien, Austria / Raffaelgasse 27 1200,
Satzingerweg 64 1210,
Breitenfuhrerstrasse 223 BPL 4-6 1230,
Ernstbrunn, Austria / Dr. Steiner-Gasse 2
2115, Graz, Austria / Waagner Biro
Stasse 69 8020, Taxach, Austria /
Ringweg 33 5400 RIFerside, Beograd
Waterfront, Serbia/ Phase B, USCE II,
Belgrade, Serbia / Final Phase

PUBLIC PROJECTS

National Road Network Athens -
Thessaloniki/ Greece, National
Road Network Athens- Kalamata/
Greece, Egnatia Odos / Greece,
Underwater Tunnel Actio/ Greece,
Rio-Antirio Bridge/ Greece





MISCELLANEOUS INSTALLATIONS

Luxembourg Science Center / Luxembourg,
 Trilogy Limassol / Cyprus , Belgrade National
 Museum / Serbia, Farwaniya Hospital / Kuwait,
 Y.M.C.A Thessaloniki /Greece,
 Hushagsgymnasiet school / Sweden,
 Sportsarena Anglagarden / Sweden, Kleanthis
 Vikelidis Stadium, Thessaloniki /GreeceHappel
 Stadium / Wien , Austria, Frescati university
 library / Sweden, Schwerin metro / Germany,
 Better Life Appliances for Cayan Tower/
 Dubai, 132/33kv Kadrah Grid Station / Oman,
 Desert Night Camp / Oman, 33kv Tumrait Sub
 Station / Oman, 33kv SOHAR Sub Station /
 Oman, 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, Orebro

Castle/ Sweden, Metropolitan Medical
 Center, Athens/ Greece, Cardiological Clinic
 of Tzaneio Hospital, Athens/ Greece, General
 Hospital, Athens/ Greece, Hospital Paidon
 Pentelis, Athens/ Greece, Hellenic Open
 University/ Greece, Ralleios School of Peiraia/
 Greece, General High School, Tripoli/ Greece,
 School Complex Moraitis, Athens/ Greece,
 16th School Complex of Patra / Greece, 5th
 Nursery School, Athens/ Greece, OTE Building
 , Athens/ Greece, OTE Building Ampelokipoi,
 Athens/ Greece, Law Office Building "Sioufas"
 , Athens/ Greece, Teleperformance
 Company , Athens/ Greece, Warehouse of
 tiles "Lakiotis Company", Athens/ Greece,
 Corporate Offices "Nestle", Malta





| | | |
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SLIMLEDs LIGHT

The SlimLight family are modern and discreet luminaires suitable for home or industrial use. Low consumption combined with low cost make them the best choice to meet the basic needs of small facilities, such as restaurants, shops, office buildings etc. They can be used as emergency or exit sign luminaires by applying the required pictogram.

The luminaires of the SlimLight family are initially set in continuous operation with the capability to switch them to non-continuous by changing the position of the jumper. They also have the option to set the autonomy to 1,5 or 3 hours and are divided into 2 categories:

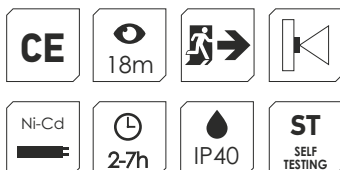
GR-2000: The SlimLight family has a special luminaire, the GR-2000, with a range of 2-7 hours, adjustable via the IRT200A remote control and various other functions mentioned in the user manual.

GR-8 & GR-9/LEDS: Suitable for use as emergency or exit sign luminaires by applying the required pictogram. Certified by CNBOP-PIB Certification Department. They are easily installed in indoors environments, wall or ceiling mounting. With the use of A-3008 & A-3018 accessories there is an option of recessed mounting on suspended ceiling.



GR-2000

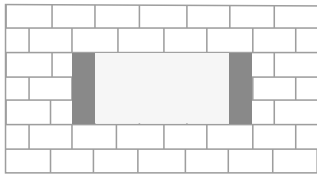
GR-2000





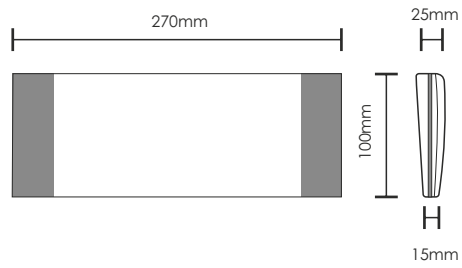
Mounting method

Wall mounting
GR-2000



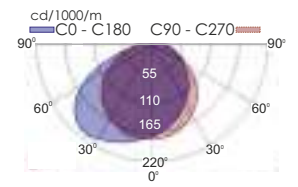
Dimensions

GR-2000



Photometric

GR-2000



| CODE | TYPE | ST | M | NM | | | | | | |
|-----------|-----------------------|----|---|----|------|----------------|-------|------------|------------|---------|
| 923200000 | GR-2000, programmable | ✓ | ✓ | ✓ | IP40 | 3,6V/1Ah Ni-Cd | 2-7 h | 3,8W/8,2VA | 125/125 lm | 415 gr. |

The packaging contains 12pcs.

| SINGLE-SIDE PICTOGRAMS | | | |
|------------------------|------------|-------------------------------------|---|
| CODE | TYPE | DESCRIPTION | |
| 807200007 | S-20000/LO | Pictogram Left ISO single side 18m | ✓ |
| 807200005 | S-20000/RO | Pictogram Right ISO single side 18m | ✓ |
| 807200009 | S-20000/DO | Pictogram Down ISO single side 18m | ✓ |
| 807200011 | S-20000/UO | Pictogram Up ISO single side 18m | ✓ |

| ACCESSORIES ON DEMAND | | | |
|-----------------------|--------------|---|----------|
| CODE | TYPE | DESCRIPTION | |
| 927200000 | A-2000/W | Set left - right decorative covers for GR-2000 (white color) | 16 gr. |
| 927200001 | A-2000/B | Set left - right decorative covers for GR-2000 (bronze color) | 16,5 gr. |
| 927200004 | A-2000/BLACK | Set left - right decorative covers for GR-2000 (black color) | 16,5 gr. |
| 927200100 | IRT200A | Remote control for GR-2000 (15 keys) | 32,5 gr. |



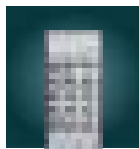
A-2000/W



A-2000/B



A-2000/B



IRT200A

| BATTERIES | | |
|-----------|----------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601233610 | A-931/HT | Battery 3,6V/1Ah HT NiCd |



SLIM LIGHT

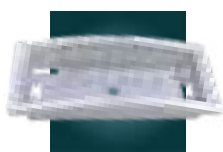


| CODE | TYPE | ST | M | NM | IP | Battery | Runtime | Power | Light Output | Weight |
|-----------|-----------|----|---|----|------|-------------------|---------|----------|--------------|---------|
| 923378005 | GR-8/leds | — | ✓ | ✓ | IP42 | 3,6V/600mAh Ni-Cd | 1,5 h | 2,7W/3VA | 40/100 lm | 396 gr. |
| 923009007 | GR-9/leds | — | ✓ | ✓ | IP42 | 3,6V/1Ah Ni-Cd | 3 h | 3W/3,5VA | 38/100 lm | 410 gr. |

The packaging contains 20pcs.

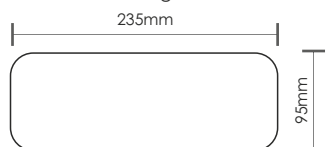
| SINGLE-SIDE PICTOGRAMS | | DESCRIPTION | INCLUDED | ON DEMAND | |
|------------------------|------------|-------------------------------------|----------|-----------|--|
| CODE | TYPE | | | | |
| 807008106 | S-00802/LO | Pictogram Left ISO single side 15m | ✓ | | |
| 807008104 | S-00802/RO | Pictogram Right ISO single side 15m | ✓ | | |
| 807008108 | S-00802/DO | Pictogram Down ISO single side 15m | ✓ | | |
| 807008110 | S-00802/UO | Pictogram Up ISO single side 15m | | ✓ | |

| ACCESSORIES | | DESCRIPTION | ON DEMAND | Weight |
|-------------|---------------|---|-----------|---------|
| CODE | TYPE | | | kg |
| 927300800 | A-3008 | Base for recessed mounting on suspended ceiling (A-3018 mounting springs are included) | ✓ | 273 gr. |
| 922100800 | SP-1008/RLDUB | Marking panel for GR-8 -9 LEDs for all directions (Can be used only when the luminaire is installed on the ceiling) | ✓ | 175 gr. |



A-3008

Required opening for suspended wall or ceiling installation

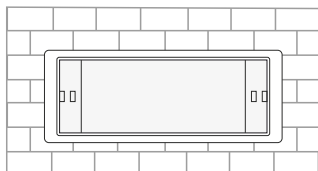


SP-1008/RLDUB

| BATTERIES | | DESCRIPTION |
|-----------|----------|---------------------------|
| CODE | TYPE | |
| 601223610 | A-931/HT | Battery 3,6V/1000mAh NiCd |
| 601003606 | A-926 | Battery 3,6V/600mAh Ni-Cd |

Mounting methods

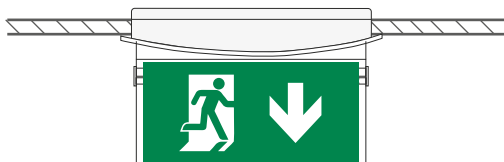
Wall mounting



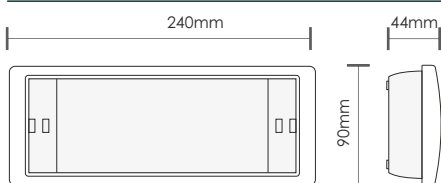
Recessed mounting on a suspended ceiling with the A-3008 base



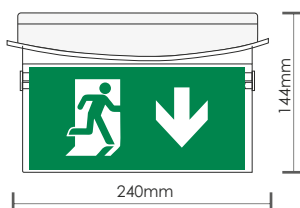
Recessed ceiling mounting with the A-3008 base and the SP-1008 hanging marking panel



Dimensions



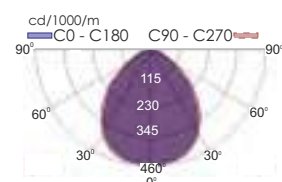
Luminaire with the hanging marking panel



Marking panel



Photometric





CLASSIC LIGHT



| CODE | TYPE | ST | M | NM | Water | Battery | Runtime | Power | Mains/Emergency | Weight |
|-----------|--------------------|----|---|----|-------|-------------------|---------|--------------|-----------------|---------|
| 923151004 | GR-151-3/L* | — | ✓ | ✓ | IP20 | 3,6V/1Ah Ni-Cd | 3 h | 3W / 4 VA | 30/75 lm | 672 gr. |
| 923108013 | GR-108/12L/90 | — | ✓ | ✓ | IP20 | 3,6V/600mAh Ni-Cd | 1,5 h | 2,5W / 3VA | 40/100 lm | 635 gr. |
| 923109004 | GR-109/12L/180 | — | ✓ | ✓ | IP20 | 3,6V/1Ah Ni-Cd | 3 h | 3W / 3,5VA | 38/100 lm | 635 gr. |
| 923119007 | GR-119/6L/42V/KL** | — | ✓ | ✓ | IP20 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 4,7W / 8,7VA | 205/340 lm | 730 gr. |

The packaging contains 16pcs.

| SINGLE-SIDE PICTOGRAMS | | | INCLUDED | ON DEMAND |
|------------------------|------------|-------------------------------------|----------|-----------|
| CODE | TYPE | DESCRIPTION | | |
| 807108007 | S-10800/LO | Pictogram Left ISO single side 18m | ✓ | |
| 807108005 | S-10800/RO | Pictogram Right ISO single side 18m | ✓ | |
| 807108009 | S-10800/DO | Pictogram Down ISO single side 18m | ✓ | |
| 807108011 | S-10800/UO | Pictogram Up ISO single side 18m | | ✓ |

| ACCESSORIES | | | Weight |
|-------------|--------|---|-----------|
| CODE | TYPE | DESCRIPTION | kg |
| 927101500 | A-1015 | Base for recessed mounting on suspended ceiling | 273.5 gr. |



A-1015

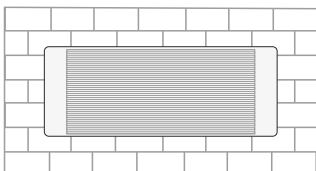
Required opening for suspended wall or ceiling installation



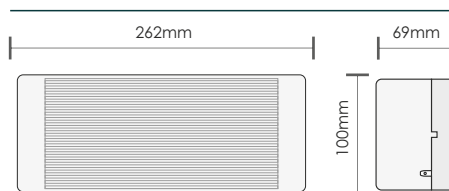
| BATTERIES | | |
|-----------|----------|-----------------------------|
| CODE | TYPE | DESCRIPTION |
| 601233610 | A-931/HT | Battery 3,6V/1000mAh NiCd |
| 601003606 | A-926 | Battery 3,6V/600mAh Ni-Cd |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah HT Ni-Cd |

Mounting methods

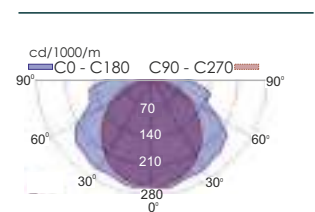
Wall mounting



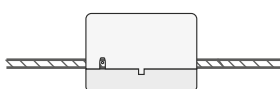
Dimensions



Photometric



Recessed mounting on suspended ceiling





EASY LIGHT

The Easy Light luminaire family is the cornerstone of Olympia Electronics emergency lighting systems. With a classic design and low cost, the Easy Light luminaire family has multiple versions that enable them to satisfy the demands for emergency lighting of various installations such as hospitals, hotels, and schools.

The high luminous flux output versions 4P and 6P can be used in large rooms with high ceilings whereas the availability of versions with 90 minutes, 3 hours, or 8

hours autonomy as well as the double-sided versions GR-39X/L, allow the Easy Light luminaire family to satisfy the majority of emergency lighting specifications and requirements.

The A-3018 accessory enables the recessed installation of the Easy Light luminaires on false ceilings. Additionally, the SP-116 and SP-116/P/X signs convert the luminaires to double-sided emergency exit signs.



GR-3xx/A

| | | | |
|-----------|--------|-------|---------------------------|
| CE | 26m | | IP40 |
| | | Ni-Cd | ST SELF TESTING |
| | 1,5-8h | | |

GR-13xx

| | | | |
|-----------|--------|-------|---------------------------|
| CE | 26m | | IP40 |
| | | Ni-Cd | ST SELF TESTING |
| | 1,5-3h | | |

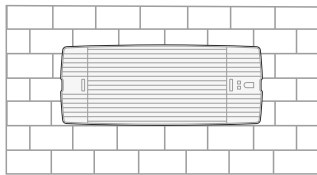


KM640081
BS EN 60598-2-22

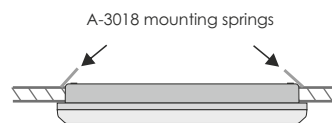
*They have BSI & CNBOP-PIB certifications

Mounting method

Ceiling or wall mounting



Recessed mounting on suspended ceiling



Recessed mounting on a suspended ceiling with the A-3008 base and the SP-116 hanging marking panel

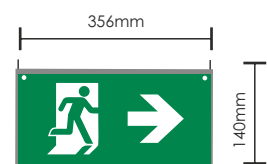


Ceiling installation with SP-116 marking panel

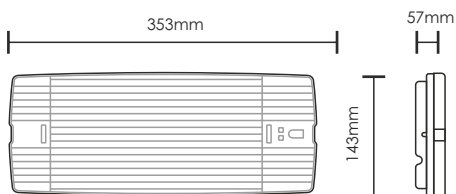


Dimensions

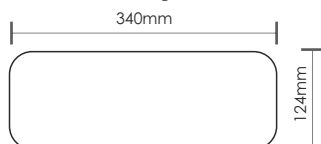
SP-116



Dimensions

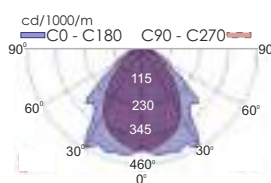


Required opening for suspended wall or ceiling installation

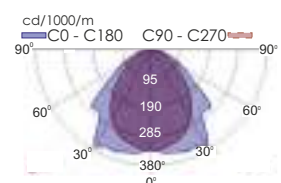


Photometric

GR-315/4P/A GR-315/6P/A



GR-315/15L/A GR-315/30L/A



| CODE | TYPE | ST | M | NM | | | | | | |
|-----------|------------------|----|---|----|------|-------------------|-------|------------|------------|----------|
| 923315024 | GR-315/15L/A* | ✓ | ✓ | — | IP40 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,4W/3,8VA | 105/105 lm | 806 gr. |
| 923316020 | GR-316/15L/A* | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,3W/3,7VA | 105/105 lm | 883 gr. |
| 923315025 | GR-315/30L/A* | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 4,5W/4,9VA | 210/210 lm | 883 gr. |
| 923316021 | GR-316/30L/A* | ✓ | ✓ | — | IP40 | 3,6V/3Ah Ni-Cd | 3 h | 5,3W/5,6VA | 210/210 lm | 940 gr. |
| 923315026 | GR-315/4P/A | ✓ | ✓ | — | IP40 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 4,7W/5,1VA | 175/350 lm | 940 gr. |
| 923315027 | GR-315/6P/A | ✓ | ✓ | — | IP40 | 4,8V/3Ah Ni-Cd | 1,5 h | 6,2W/6,5VA | 245/480 lm | 1025 gr. |
| 923316022 | GR-316/4P/A | ✓ | ✓ | — | IP40 | 4,8V/3Ah Ni-Cd | 3 h | 5,3W/5,7VA | 175/350 lm | 1000 gr. |
| 923316023 | GR-316/6P/A | ✓ | ✓ | — | IP40 | 4,8V/4Ah Ni-MH | 3 h | 6,2W/6,5VA | 245/480 lm | 1065 gr. |
| 923308003 | GR-308/15L/A | ✓ | ✓ | — | IP40 | 3,6V/3Ah Ni-Cd | 8 h | 3,7W/4VA | 125/125 lm | 825 gr. |
| 923310048 | GR-310/12L/180/A | — | ✓ | ✓ | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 2,9W/3,2VA | 38/100 lm | 840 gr. |
| 923310049 | GR-310/12L/90/A | — | ✓ | ✓ | IP40 | 3,6V/600mAh Ni-Cd | 1,5 h | 2,9W/3,2VA | 40/100 lm | 850 gr. |
| 923310047 | GR-310/15L/A* | — | ✓ | ✓ | IP40 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,1W/3,3VA | 30/105 lm | 838 gr. |
| 923312026 | GR-312/15L/A* | — | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,4W/3,6VA | 30/105 lm | 915 gr. |
| 923310046 | GR-310/30L/A* | — | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 3,3W/3,5VA | 30/210 lm | 900 gr. |
| 923312025 | GR-312/30L/A* | — | ✓ | ✓ | IP40 | 3,6V/3Ah Ni-Cd | 3 h | 4,5W/4,8VA | 30/210 lm | 1028 gr. |
| 923309002 | GR-309/15L/A | — | ✓ | ✓ | IP40 | 3,6V/3Ah Ni-Cd | 8 h | 4,9W/5,2VA | 35/125 lm | 1000 gr. |

The packaging contains 15pcs.
*They have BSI & CNBOP-PIB certifications

| SINGLE-SIDE PICTOGRAMS | | | INCLUDED | ON DEMAND | |
|------------------------|------------|-------------------------------------|----------|-----------|--|
| CODE | TYPE | DESCRIPTION | | | |
| 807310008 | S-31101/LO | Pictogram Left ISO single side 26m | ✓ | | |
| 807310006 | S-31101/RO | Pictogram Right ISO single side 26m | ✓ | | |
| 807310010 | S-31101/DO | Pictogram Down ISO single side 26m | ✓ | | |
| 807310012 | S-31101/UO | Pictogram Up ISO single side 26m | | ✓ | |

| ACCESSORIES | | | ON DEMAND | |
|-------------|--------------|--|-----------|----------|
| CODE | TYPE | DESCRIPTION | | |
| 980330180 | A-3018 | Suspended ceiling mounting springs | ✓ | 10,9 gr. |
| 922116006 | SP-116/RLDUB | Double sided Plexiglass 4mm marking panel with all directions (Can be used only when the luminaire is installed on the ceiling) | ✓ | 434 gr. |



A-3018



SP-116/RLDUB

| BATTERIES | | |
|-----------|--------------|---------------------------|
| CODE | TYPE | DESCRIPTION |
| 601003606 | A-926 | Battery 3,6V/600mAh Ni-Cd |
| 601213615 | B-972/HT | Battery 3,6V/1,5Ah Ni-Cd |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah Ni-Cd |
| 601233630 | B-949/HT | Battery 3,6V/3Ah Ni-Cd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah Ni-Cd |
| 601134840 | B-936/HT60SC | Battery 4,8V/4Ah Ni-Mh |
| 601233610 | A-931/HT | Battery 3,6V/1Ah Ni-Cd |

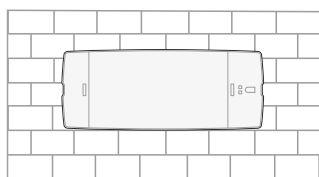


KM640081
BS EN 60598-2-22

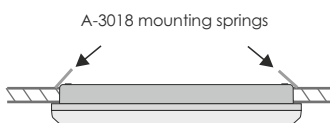
*They have BSI & CNBOP-PIB certifications

Mounting method

Ceiling or wall mounting



Recessed mounting on suspended ceiling



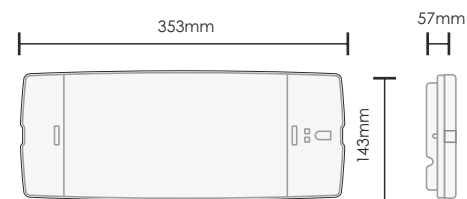
Recessed mounting on a suspended ceiling with the A-3008 base and the SP-116 hanging marking panel



Ceiling installation with SP-116 marking panel



Dimensions



Required opening for suspended wall or ceiling installation

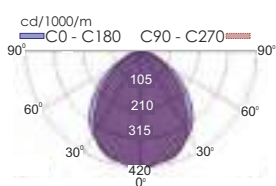


Dimensions

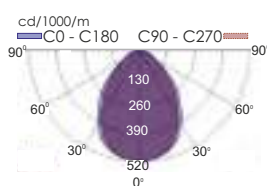


Photometric

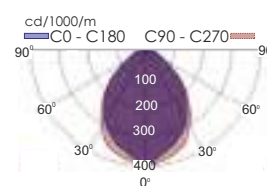
GR-1310-4P



GR-1310-6P



GR-1310-15L



Internal selection - without LI

| CODE | TYPE | ST | M | NM | | | | | | |
|-----------|-----------------|----|---|----|------|-------------------|-------|------------|------------|----------|
| 923131500 | GR-1315/15L* | ✓ | ✓ | — | IP40 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,4W/3,8VA | 105/105 lm | 787 gr. |
| 923131600 | GR-1316/15L* | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,3W/3,7VA | 105/105 lm | 866 gr. |
| 923131501 | GR-1315/30L* | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 4,5W/4,9VA | 210/210 lm | 866 gr. |
| 923131601 | GR-1316/30L* | ✓ | ✓ | — | IP40 | 3,6V/3Ah Ni-Cd | 3 h | 5,3W/5,6VA | 210/210 lm | 934 gr. |
| 923131502 | GR-1315/4P | ✓ | ✓ | — | IP40 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 4,7W/5,1VA | 175/350 lm | 930 gr. |
| 923131503 | GR-1315/6P | ✓ | ✓ | — | IP40 | 4,8V/3Ah Ni-Cd | 1,5 h | 6,2W/6,5VA | 245/480 lm | 1020 gr. |
| 923131602 | GR-1316/4P | ✓ | ✓ | — | IP40 | 4,8V/3Ah Ni-Cd | 3 h | 5,3W/5,7VA | 175/350 lm | 1020 gr. |
| 923131603 | GR-1316/6P | ✓ | ✓ | — | IP40 | 4,8V/4Ah Ni-MH | 3 h | 6,2W/6,5VA | 245/480 lm | 1060 gr. |
| 923131002 | GR-1310/4P | ✓ | — | ✓ | IP40 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 4,3W/4,7VA | 350 lm | 985 gr. |
| 923131003 | GR-1310/6P | — | — | ✓ | IP40 | 4,8V/3Ah Ni-Cd | 1,5 h | 3,5W/4VA | 480 lm | 1075 gr. |
| 923131202 | GR-1312/4P | — | — | ✓ | IP40 | 4,8V/3Ah Ni-Cd | 3 h | 4,6W/4,9VA | 350 lm | 1075 gr. |
| 923131203 | GR-1312/6P | — | — | ✓ | IP40 | 4,8V/4Ah Ni-MH | 3 h | 4,9W/5,2VA | 480 lm | 1125 gr. |
| 923131004 | GR-1310/12L/180 | — | ✓ | ✓ | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 2,9W/3,2VA | 38/100 lm | 845 gr. |
| 923131005 | GR-1310/12L/90 | — | ✓ | ✓ | IP40 | 3,6V/600mAh Ni-Cd | 1,5 h | 2,9W/3,2VA | 40/100 lm | 835 gr. |
| 923131000 | GR-1310/15L* | — | ✓ | ✓ | IP40 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,1W/3,3VA | 30/105 lm | 841 gr. |
| 923131200 | GR-1312/15L* | — | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,4W/3,6VA | 30/105 lm | 918 gr. |
| 923131001 | GR-1310/30L* | — | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 3,3W/3,5VA | 30/210 lm | 918 gr. |
| 923131201 | GR-1312/30L* | — | ✓ | ✓ | IP40 | 3,6V/3Ah Ni-Cd | 3 h | 4,5W/4,8VA | 30/210 lm | 990 gr. |

The packaging contains 15pcs.
*They have BSI & CNBOP-PIB certifications

| SINGLE-SIDE PICTOGRAMS | | | | |
|------------------------|------------|-------------------------------------|----------|-----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 807131007 | S-13100/LO | Pictogram Left ISO single side 26m | ✓ | |
| 807131005 | S-13100/RO | Pictogram Right ISO single side 26m | ✓ | |
| 807131009 | S-13100/DO | Pictogram Down ISO single side 26m | ✓ | |
| 807131011 | S-13100/UO | Pictogram Up ISO single side 26m | | ✓ |

| ACCESSORIES | | | | |
|-------------|--------------|--|-----------|----------|
| CODE | TYPE | DESCRIPTION | ON DEMAND | |
| 980330180 | A-3018 | Suspended ceiling mounting springs | ✓ | 10,9 gr. |
| 922116006 | SP-116/RLDUB | Double sided Plexiglass 4mm marking panel with all directions (Can be used only when the luminaire is installed on the ceiling) | ✓ | 434 gr. |



A-3018



SP-116/RLDUB

| BATTERIES | | |
|-----------|--------------|---------------------------|
| CODE | TYPE | DESCRIPTION |
| 601003606 | A-926 | Battery 3,6V/600mAh Ni-Cd |
| 601213615 | B-972/HT | Battery 3,6V/1,5Ah Ni-Cd |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah Ni-Cd |
| 601233630 | B-949/HT | Battery 3,6V/3Ah Ni-Cd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah Ni-Cd |
| 601134840 | B-936/HT60SC | Battery 4,8V/4Ah Ni-Mh |
| 601233610 | A-931/HT | Battery 3,6V/1Ah Ni-Cd |



WEATHER LIGHT

The luminaires of the Weather Light family are Olympia Electronics' offering for an emergency lighting and signage system suitable for environmentally burdened spaces. The Weather Light luminaires are specially designed for use in industrial and commercial installations, as they offer increased protection against impacts and intrusion from foreign objects and moisture. Furthermore, for use in installations with low ambient temperatures or high Electromagnetic interference, there is a version available that uses supercapacitors as a power source, rather than conventional batteries.

The high luminous flux output versions 4P and 6P can be used in large rooms with high ceilings. Also, there are versions available with 90 minutes, 3 hours, or 8 hours autonomy.

The Weather Light family luminaires can be used as double-sided emergency exit signs with the use of plastic diffusers A-1017 or A-9100. Also, the A-9000 accessory enables the GR-9XX luminaires to be installed as single-sided emergency exit signs. The GR-19XX self-testing luminaires can be remotely tested via the magnetic card A-1900.



GR-19xx

| | | | |
|-----------|-------|-------|---------------------------|
| CE | 22m | | IP65 |
| | Ni-Cd | Ni-Mh | ST SELF TESTING |
| 1,5-3h | | | |

GR-9xx

| | | | |
|-----------|-------|-------|---------------------------|
| CE | 26m | | IP65 |
| | Ni-Cd | Ni-Mh | ST SELF TESTING |
| 1,5-3h | IK08 | | |



GR-19xx

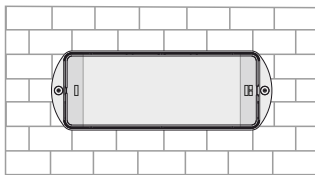


KM640081
BS EN 60598-2-22

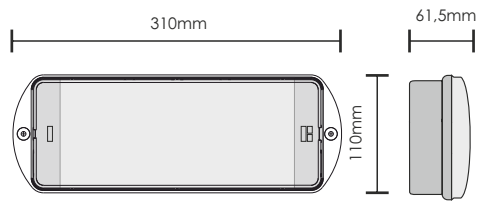
*They have BSI & CNBOP-PIB certifications

Mounting method

Wall mounting

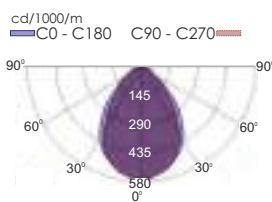


Dimensions

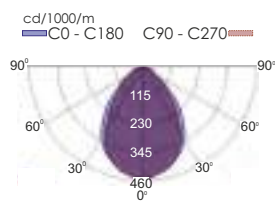


Photometric

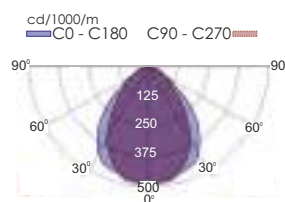
GR-1935_15L



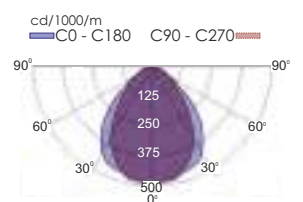
GR-1938-30L



GR-1938-4P



GR-1938-6P



| Internal selection - without L1 | CODE | TYPE | ST | M | NM | ☔ | 🔋 | 🕒 | ⚡ | 🏠 Mains/Emergency | 📦 kg |
|---------------------------------|-----------|--------------|--------------|---|----|------|-------------------|-------------------|------------|-------------------|------------|
| | | 923193800 | GR-1938/15L* | ✓ | ✓ | ✓ | IP65 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,4W/3,8VA | 105/105 lm |
| | 923193801 | GR-1938/30L* | ✓ | ✓ | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 4,5W/4,9VA | 210/210 lm | 811 gr. |
| | 923193900 | GR-1939/15L* | ✓ | ✓ | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,3W/3,7VA | 105/105 lm | 818 gr. |
| | 923193901 | GR-1939/30L* | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 3 h | 5,3W/5,6VA | 210/210 lm | 890 gr. |
| | 923193802 | GR-1938/4P | ✓ | ✓ | ✓ | IP65 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 4,7W/5,1VA | 175/350 lm | 865 gr. |
| | 923193803 | GR-1938/6P | ✓ | ✓ | ✓ | IP65 | 4,8V/3Ah Ni-Cd | 1,5 h | 6,2W/6,5VA | 245/480 lm | 950 gr. |
| | 923193902 | GR-1939/4P | ✓ | ✓ | ✓ | IP65 | 4,8V/3Ah Ni-Cd | 3 h | 5,3W/5,7VA | 175/350 lm | 950 gr. |
| | 923193903 | GR-1939/6P | ✓ | ✓ | ✓ | IP65 | 4,8V/4Ah Ni-Mh | 3 h | 6,2W/6,5VA | 245/480 lm | 1005 gr. |
| | 923193500 | GR-1935/15L* | — | ✓ | ✓ | IP65 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,1W/3VA | 40/105 lm | 783 gr. |
| | 923193501 | GR-1935/30L* | — | ✓ | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 3,3W/3,5VA | 40/210 lm | 840 gr. |
| | 923193600 | GR-1936/15L* | — | ✓ | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,4W/3,6VA | 40/105 lm | 839 gr. |
| | 923193601 | GR-1936/30L* | — | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 3 h | 4,5W/4,8VA | 40/210 lm | 940 gr. |

📦 The packaging contains 12pcs.

SINGLE-SIDE PICTOGRAMS

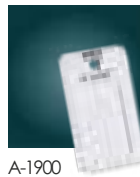
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND | |
|-----------|-----------|-------------------------------------|----------|-----------|---|
| 705693006 | S-1938/LO | Pictogram Left ISO single side 22m | ✓ | | ← |
| 705693008 | S-1938/RO | Pictogram Right ISO single side 22m | ✓ | | → |
| 705693007 | S-1938/DO | Pictogram Down ISO single side 22m | ✓ | | ↓ |
| 705690019 | S-1938/UO | Pictogram Up ISO single side 22m | | ✓ | ↑ |

ACCESSORIES

| CODE | TYPE | DESCRIPTION | 📦 kg |
|-----------|-----------|--|------------|
| 927910000 | A-9100/ST | Plastic double sided diffuser for self-testing | 513,50 gr. |
| 927910001 | A-9100 | Plastic double sided diffuser | 513,50 gr. |
| 927190000 | A-1900 | Magnetic test card | 24,50 gr. |



A-9100/ST
A-9100



A-1900

BATTERIES

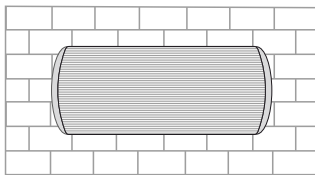
| CODE | TYPE | DESCRIPTION |
|-----------|--------------|-----------------------------|
| 601003606 | A-926 | Battery 3,6V/600mAh Ni-Cd |
| 601213615 | B-972/HT | Battery 3,6V/1,5Ah HT Ni-Cd |
| 601233630 | B-949/HT | Battery 3,6V/3Ah HT Ni-Cd |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah HT Ni-Cd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah HT Ni-Cd |
| 601134840 | B-936/HT60SC | Battery 4,8V/4Ah Ni-Mh |



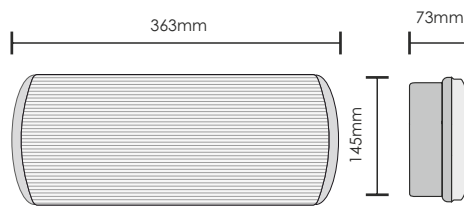
GR-9xx

Mounting method

Wall mounting



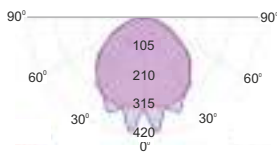
Dimensions



Photometric

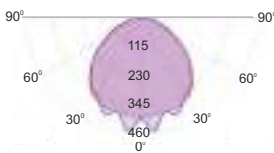
GR-935-4P, GR-935-6P,
GR-936-4P, GR-936-6P

















cd/1000/m
C0 - C180 C90 - C270







GR-940-15L, GR-935-15L, GR-935/30L,
GR-936-15L, GR-936-30L, GR-941-15L



cd/1000/m
C0 - C180 C90 - C270



| CODE | TYPE | ST | M | NM |  |  |  |  |  | Mains/ Emergency |  |
|-----------|------------|----|---|----|---|---|---|---|---|---------------------|---|
| 923940000 | GR-940/15L | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 8 h | 4,1W/4,5VA |  | 105/105 lm | 1135 gr. |
| 923935013 | GR-935/15L | — | — | ✓ | IP65 | 3,6V/600mAh Ni-Cd | 1,5 h | 2,5W/3VA |  | 125 lm | 1006 gr. |
| 923935014 | GR-935/30L | — | — | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 2,5W/3VA |  | 250 lm | 1082 gr. |
| 923936009 | GR-936/15L | — | — | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 3 h | 2,5W/3VA |  | 125 lm | 1076 gr. |
| 923936010 | GR-936/30L | — | — | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 3 h | 3,6W/4,3VA |  | 250 lm | 1175 gr. |
| 923935010 | GR-935/4P | — | — | ✓ | IP65 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 4VA |  | 350 lm | 1142 gr. |
| 923935011 | GR-935/6P | — | — | ✓ | IP65 | 4,8V/3Ah Ni-Cd | 1,5 h | 4,8VA |  | 480 lm | 1250 gr. |
| 923936005 | GR-936/4P | — | — | ✓ | IP65 | 4,8V/3Ah Ni-Cd | 3 h | 4,8VA |  | 350 lm | 1230 gr. |
| 923936006 | GR-936/6P | — | — | ✓ | IP65 | 4,8V/4Ah Ni-Mh | 3 h | 5,5VA |  | 480 lm | 1300 gr. |
| 923941000 | GR-941/15L | — | — | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 8 h | 3,5W/4VA |  | 105 lm | 1175 gr. |

 The packaging contains 12pcs.

| SINGLE-SIDE PICTOGRAMS | | | | |
|------------------------|------------|-------------------------------------|----------|---|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 705690016 | S-93593/LO | Pictogram Left ISO single side 26m | ✓ |  |
| 705690017 | S-93593/RO | Pictogram Right ISO single side 26m | ✓ |  |
| 705690018 | S-93593/DO | Pictogram Down ISO single side 26m | ✓ |  |
| 705690019 | S-93593/UO | Pictogram Up ISO single side 26m | | ✓  |

| SINGLE-SIDE PICTOGRAMS FOR A-1017 DIFFUSER | | | | |
|--|-------------------------------------|----------|-----------|--|
| CODE | DESCRIPTION | INCLUDED | ON DEMAND | |
| 705693003 | Pictogram Left ISO single side 26m | ✓ | |  |
| 705693004 | Pictogram Right ISO single side 26m | ✓ | |  |
| 705693005 | Pictogram Down ISO single side 26m | ✓ | |  |
| 705693002 | Pictogram Up ISO single side 26m | | ✓ |  |

| ACCESSORIES | | | |
|-------------|--------|--------------------------------|---|
| CODE | TYPE | DESCRIPTION |  |
| 927101700 | A-1017 | Plastic double sided diffuser | 538 gr. |
| 927900001 | A-9000 | Ceiling bracket for GR-9xx/xxL | 879 gr. |

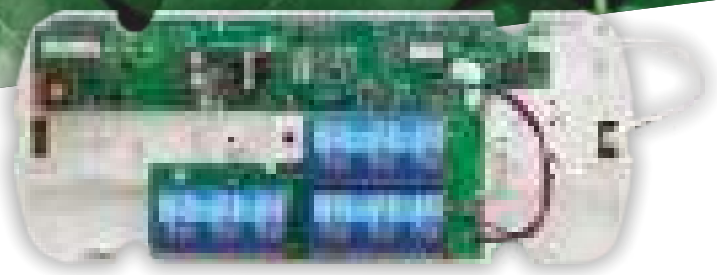


A-1017



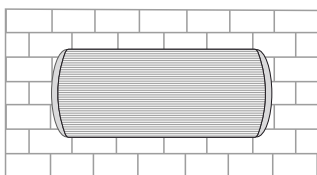
A-9000

| BATTERIES | | |
|-----------|--------------|-----------------------------|
| CODE | TYPE | DESCRIPTION |
| 601003606 | A-926 | Battery 3,6V/600mAh Ni-Cd |
| 601213615 | B-972/HT | Battery 3,6V/1,5Ah HT Ni-Cd |
| 601233630 | B-949/HT | Battery 3,6V/3Ah HT Ni-Cd |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah HT Ni-Cd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah HT Ni-Cd |
| 601134840 | B-936/HT60SC | Battery 4,8V/4Ah Ni-Mh |

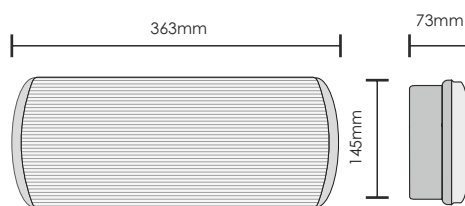


Mounting method

Wall mounting

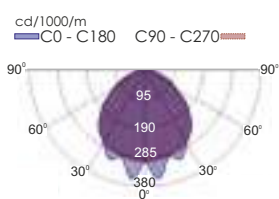


Dimensions



Photometric

GR-900/30L/SC



WEATHER LIGHT



innovation
without
batteries



years
guarantee



| CODE | TYPE | ST | M | NM | | | | | | |
|-----------|---------------|----|---|----|------|----------------|---------------------|--|----------|----------|
| 923900000 | GR-900/30L/SC | ✓ | ✓ | — | IP65 | Supercapacitor | 1h 6W/6.5VA/PF.0.92 | | 250/90lm | 1247 gr. |

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

| Comparing table of the supercapacitor, Ni-CD and Ni-MH batteries | 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 |
| Suitable ambient temperature | -40°C +65°C | 0° +55°C | 5° - 55C |

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.

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.

SINGLE-SIDE PICTOGRAMS

| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND | |
|-----------|------------|-------------------------------------|----------|-----------|--|
| 705690016 | S-93593/LO | Pictogram Left ISO single side 26m | ✓ | | |
| 705690017 | S-93593/RO | Pictogram Right ISO single side 26m | ✓ | | |
| 705690018 | S-93593/DO | Pictogram Down ISO single side 26m | ✓ | | |
| 705690019 | S-93593/UO | Pictogram Up ISO single side 26m | | ✓ | |

SINGLE-SIDE PICTOGRAMS FOR A-1017 DIFFUSER

| CODE | DESCRIPTION | INCLUDED | ON DEMAND | |
|-----------|-------------------------------------|----------|-----------|--|
| 705693003 | Pictogram Left ISO single side 26m | ✓ | | |
| 705693004 | Pictogram Right ISO single side 26m | ✓ | | |
| 705693005 | Pictogram Down ISO single side 26m | ✓ | | |
| 705693002 | Pictogram Up ISO single side 26m | | ✓ | |

ACCESSORIES

| CODE | TYPE | DESCRIPTION | |
|-----------|--------|--------------------------------|---------|
| 927101700 | A-1017 | Plastic double sided diffuser | 538 gr. |
| 927900001 | A-9000 | Ceiling bracket for GR-9xx/xxL | 879 gr. |



A-1017



A-9000



OLYMPUS LED

The Olympus series is the latest offering from Olympia Electronics for an emergency luminaire family suitable to cover multiple demands with low cost and modern design. The Olympus emergency luminaires are specially designed to cover emergency lighting specifications for small to medium-sized installations. The low profile and the ability for recessed mounting in false ceilings make them suitable for installation in hotels. For use in environmentally burdened areas, the luminaires of the Olympus series are available in IP65 ingress protection rating. Additionally, there is the LT version, suitable for use in low temperatures.

The self-testing versions of the Olympus family offer the option to set the autonomy of each luminaire to 1, 3, or 8 hours, via internal switches. Furthermore, the internal design provisions for different power sources such as Supercapacitors or LiFePO4 batteries, additionally to the standard Ni-Cd batteries.

The Olympus series of emergency luminaires have three basic versions. Specifically:

OLY-500: low-cost version with test button suitable for use as an emergency exit sign in residential and commercial installations with an autonomy of 3 hours.

OLY-1004: suitable as an emergency light and emergency exit sign for small to medium-sized installations, with the ability to set the desired autonomy via internal dip switches.

OLY-1024: version with asymmetric optics suitable as an emergency luminaire for illuminating exit routes.

The Olympus series of emergency luminaires can be used as double-sided emergency exit signs with the use of the SP-1100/XX exit signs.



OLY-500/1004
OLY-1024





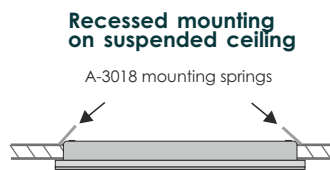
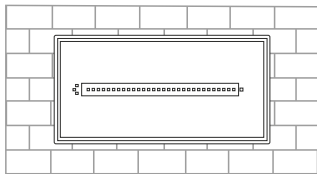
1
OLY-500/1004



2
OLY-1024
For escape routes

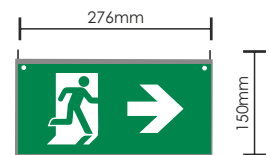
Mounting method

Ceiling or wall mounting

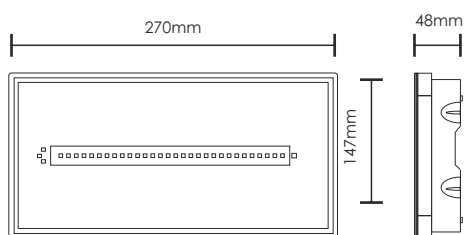


Dimensions

SP-1100

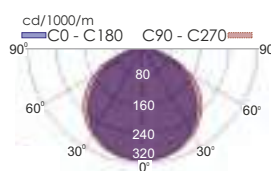


Dimensions

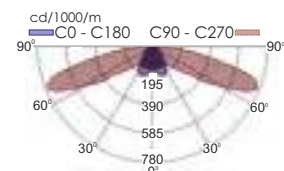


Photometric

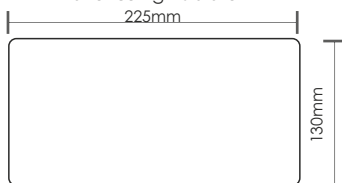
OLY-500/1004



OLY-1024



Required opening for suspended wall or ceiling installation



| CODE | TYPE | IMAGE | ST | M | NM | | | | | | | |
|-----------|-----------------|-------|----|---|----|------|----------------|----------|------------|---------------------------|---------|----|
| | | | | | | | | | | 1h | 3h | 8h |
| 923500000 | OLY-500 | 1 | — | ✓ | ✓ | IP42 | 3,6V/1Ah Ni-Cd | 3 h | 3,4W/3,6VA | 38/100 lm | 822 gr. | |
| 923500001 | OLY-500/WP | 1 | — | ✓ | ✓ | IP65 | 3,6V/1Ah Ni-Cd | 3 h | 3,4W/3,6VA | 38/100 lm | 822 gr. | |
| 923100403 | OLY-1004 | 1 | ✓ | ✓ | ✓ | IP42 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 300/350 300/295 300/95lm | 945 gr. | |
| 923102403 | OLY-1024 | 2 | ✓ | ✓ | ✓ | IP42 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,6W/4,8VA | 300/380 300/320 300/100lm | 940 gr. | |
| 923100400 | OLY-1004/WP | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 300/350 300/295 300/95lm | 945 gr. | |
| 923102400 | OLY-1024/WP | 2 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,6W/4,8VA | 300/380 300/320 300/100lm | 940 gr. | |
| 923100410 | OLY-1004/LT/WP* | 1 | ✓ | ✓ | ✓ | IP65 | 4,8V/2Ah LTO | 1h/3h/8h | 5,2W/5,4VA | 300/350 300/190 300/50lm | 863 gr. | |
| 923100411 | OLY-1004/LF/WP | 1 | ✓ | ✓ | ✓ | IP65 | 3,2V/2Ah LF | 1h/3h/8h | 4,8W/5VA | 300/350 300/190 300/50lm | 802 gr. | |
| 923100412 | OLY-1004/SC/WP | 1 | ✓ | ✓ | ✓ | IP65 | Supercapacitor | - | 5,3W/5,5VA | 300/320 300/120 300/30lm | 875 gr. | |

* For low temperature -25°-40°

The packaging contains 10pcs.

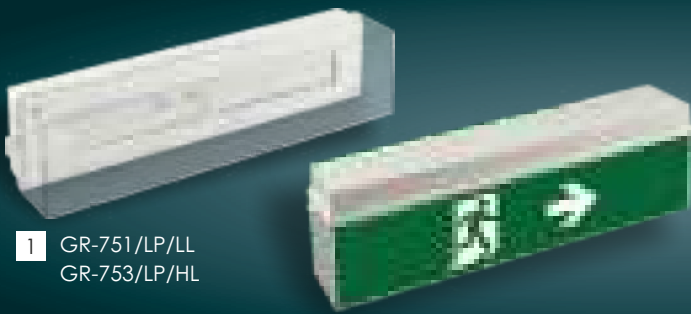
| SINGLE-SIDE PICTOGRAMS | | | | |
|------------------------|-------------|-------------------------------------|----------|-----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 804011001 | SW-110X/LO | Pictogram Left ISO single side 25m | ✓ | |
| 804011000 | SW-110X/RO | Pictogram Right ISO single side 25m | ✓ | |
| 804011002 | SW-110X/DRO | Pictogram Down ISO single side 25m | ✓ | |
| 804011003 | SW-110X/UO | Pictogram Up ISO single side 25m | | ✓ |

| ACCESSORIES | | | |
|-------------|---------------|--|----------|
| CODE | TYPE | DESCRIPTION | |
| 980330180 | A-3018 | Suspended ceiling mounting springs | 10,9 gr. |
| 922110005 | SP-1100/RLDUB | Double sided Plexiglass 6mm marking panel for all directions | 454 gr. |

| BATTERIES | | |
|-----------|----------|---------------------------------------|
| CODE | TYPE | DESCRIPTION |
| 601233610 | A-931/HT | Battery 3,6V/1Ah HT NiCd |
| 601233630 | B-949/HT | Battery 3,6V/3Ah Ni-Cd |
| 601404820 | B-925/HT | Battery 4,8V/2Ah LTO Lithium Titanium |
| 601303220 | A-918/HT | Battery 3,2V/2Ah LiFePO4 |



BAU LIGHT



1 GR-751/LP/LL
GR-753/LP/HL

2 GR-750/HP/LL
GR-752/HP/HL

CE **ST SELF TESTING** **1-3-8h** **NI-Cd** **IP54**
15m **17m** **15m** **17m** **15m**

| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|-----------------|-------|----|---|----|------|------------------|----------|------------|--------------------------|----------|
| 923750001 | GR-750/ST/HP/LL | 2 | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Cd | 1h/3h/8h | 4,1W/4,3VA | 270/300 270/150 270/30lm | 937 gr. |
| 923751000 | GR-751/ST/LP/LL | 1 | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Cd | 1h/3h/8h | 4,1W/4,3VA | 270/300 270/150 270/30lm | 888 gr. |
| 923752000 | GR-752/ST/HP/HL | 2 | ✓ | ✓ | ✓ | IP54 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 270/350 270/280 270/90lm | 1010 gr. |
| 923753000 | GR-753/ST/LP/HL | 1 | ✓ | ✓ | ✓ | IP54 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 270/350 270/280 270/90lm | 961 gr. |

HP: High Profile/ High opal hood, LP: Low Profile /deep transparent hood, LL: Low luminosity/small light intensity HL: High luminosity/Great light intensity

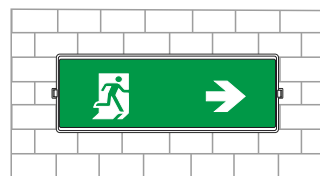
The packaging contains 9pcs.

| SINGLE-SIDE PICTOGRAMS | | | | | |
|------------------------|------------|-------------------------------------|-------|----------|--|
| CODE | TYPE | DESCRIPTION | IMAGE | INCLUDED | |
| 807750006 | S-75000/LO | Pictogram Left ISO single side 17m | 1 | ✓ | |
| 807750004 | S-75000/RO | Pictogram Right ISO single side 17m | 1 | ✓ | |
| 807750008 | S-75000/DO | Pictogram Down ISO single side 17m | 1 | ✓ | |
| 807730006 | S-73600/LO | Pictogram Left ISO single side 15m | 2 | ✓ | |
| 807730004 | S-73600/RO | Pictogram Right ISO single side 15m | 2 | ✓ | |
| 807730008 | S-73600/DO | Pictogram Down ISO single side 15m | 2 | ✓ | |
| 807736006 | S-73601/LO | Pictogram Left ISO single side 15m | 2 | ✓ | |
| 807736004 | S-73601/RO | Pictogram Right ISO single side 15m | 2 | ✓ | |
| 807736008 | S-73601/DO | Pictogram Down ISO single side 15m | 2 | ✓ | |

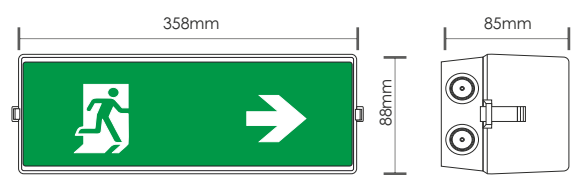
| BATTERIES | | |
|-----------|----------|-------------------------|
| CODE | TYPE | DESCRIPTION |
| 601213615 | B-972/HT | Battery 3,6V/1,5Ah NiCd |
| 601233630 | B-949/HT | Battery 3,6V/3Ah Ni-Cd |

Mounting methods

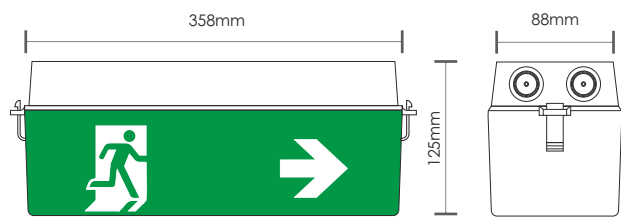
Ceiling or wall mounting



Dimensions

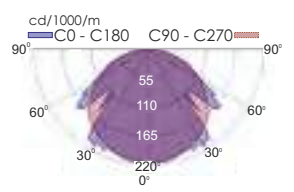


LP: Low Profile /deep transparent hood



HP: High Profile/ High opal hood

Photometric





LINEAR LIGHT



*They have BSI certification



| CODE | TYPE | ST | M | NM | IP | Battery | Runtime | Power | Mains/Emergency | Weight |
|-----------|-------------|----|---|----|------|------------------|---------|------------|-----------------------|---------|
| 922502057 | KLIN-20/ST* | ✓ | ✓ | ✓ | IP54 | 3,6V/1,2Ah Ni-Mh | 1-3-8 h | 3,9W/4,4VA | 80/250 80/77 80/12 lm | 405 gr. |

ACCESSORIES ON DEMAND

| CODE | TYPE | DESCRIPTION | Weight |
|-----------|--------------|---|---------|
| 927321300 | A-2130 | Set of accessories (1m) for ceiling mounting (white) | 375 gr. |
| 927321310 | A-2131 | Set of accessories (0,5m) for ceiling mounting (white) | 280 gr. |
| 927321320 | A-2132 | Set of accessories (0,25m) for ceiling mounting (white) | 139 gr. |
| 927321330 | A-2133 | Accessory for vertical wall mounting (white) | 108 gr. |
| 927321360 | A-2136 | Accessory set for ceiling mounted hanging installations with 2,5m cable | 164 gr. |
| 927252000 | A-2520/PL/ST | Suspended ceiling base for self-testing luminaire KLD-xx | 195 gr. |



A-2130, A-2131, A-2132



A-2133



A-2136



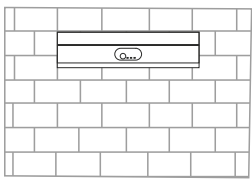
A-2520/PL/ST

BATTERIES

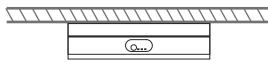
| CODE | TYPE | DESCRIPTION |
|-----------|----------|--------------------------|
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |

Mounting method

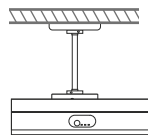
Wall mounting



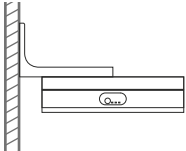
Ceiling mounting



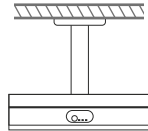
Ceiling mounting with extension rod



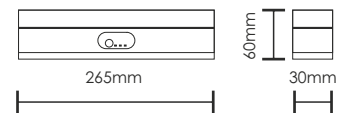
Vertical wall mounting



Ceiling hanging installation with cable

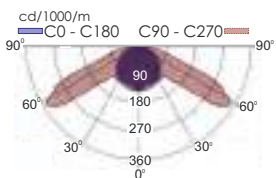


Dimensions



Photometric

KLIN-20/ST





ECO LIGHT

The EcoLight family of luminaires is designed with style, reliability and easy installation in mind. They are luminaires in different housing with a large number of low power and long life LEDs which guarantee uniform lighting of the sign. They are ideal for installation in office and cinema buildings, hotels, shopping malls, cafes and restaurant environments. The luminaires of this family are designed to cover long viewing distances and they can be easily mounted on the ceiling, parallel to the wall, hung with wire or recessed in the ceiling with the appropriate accessories.

The family is divided into 5 major categories, specifically:

1. The series of luminaires ZLD-XX, which are made of an elegant aluminum profile and are used only for marking for 16, 30 or 38 meters. The luminaires have been certified by the Polish Science and Research Center (CNBOP) and the British Standards Institution (BSI). They are self-testing luminaires, with continuous / non-continuous operation with an autonomy of 3 hours.

They can also be easily mounted on the wall and ceiling, through various mounting accessories:

- Recessed with bases A-1018/PL ST & A-1020/PL/ST
- Hanging ceiling mounted with accessories A-1130, A-1131, A-1132 for 1m, 0.5m and 0.25m respectively.
- Vertical to the wall with base A-1133 (only for ZLD-28 / EM & ZLD-34/EM)
- Wall mounted with accessory A-1134

2. The series of luminaires MLD-XX, which are designed in a thin plastic profile with a special style are used only for marking 16, 30 or 38 meters. The series is divided into 2 categories: MLD-XX /w with white LEDs and MLD-XX with green LEDs. The category of luminaires MLD-XX / w has received a certificate from the Scientific and Research Center of Poland (CNBOP) and from the Institute of British Standards (BSI). They are self-testing luminaires, continuous / non-continuous operation with an autonomy of 3 hours.

3. The CLD-30 luminaires which are designed in a unique cylindrical profile aluminum are used only for marking for 30 meters. They are self-testing luminaires of continuous / non-continuous operation with autonomy of 3 hours, while there is also the CLD-30 / NST version in the same series which are non-self testing

The luminaires can be easily mounted on the wall and ceiling, through various mounting accessories:

- Hanging ceiling mounted with accessories A-1130, A-1131, A-1132 for 1m, 0.5m and 0.25m respectively.
- Vertical to the wall with the base A-1133
- Wall mounted with accessory A-1134

4. The luminaires PLD-25/NiMH/M which are designed in a minimalist plastic profile, are easily connected and installed with a viewing distance of 26 meters. They are self testing luminaires of continuous / non-continuous operation with autonomy of 3 hours, while there is the PLD-25/NST version which are non-self testing. In addition there is a version with supercapacitors, the PLD-25/SC, with an autonomy of 1 hour and a temperature range from -40 °C to 65 °C and a of good operation guarantee of 10 years for the entire luminaire.

The luminaires can be easily mounted on the wall and ceiling, through various mounting accessories:

- Hanging ceiling mounted with accessories A-2130, A-2131, A-2132 for 1m, 0.5m and 0.25m respectively.
- Vertical to the wall with the base A-2133
- Recessed in suspended ceiling with bases A-2510 / PL and A-2510 / PL / ST / M

5. The KLR, KLD series are modern luminaires with a linear style and a flexible base which make them able to be installed with great ease on walls and ceilings. The luminaires of this series are of continuous / non-continuous operation, self-testing and non-self-testing, with different viewing distances. The self-testing versions have the capability of autonomy adjustment via switches with a choice between 1, 3 or 8 hours while the non-self testing versions are set to 3 hours autonomy.

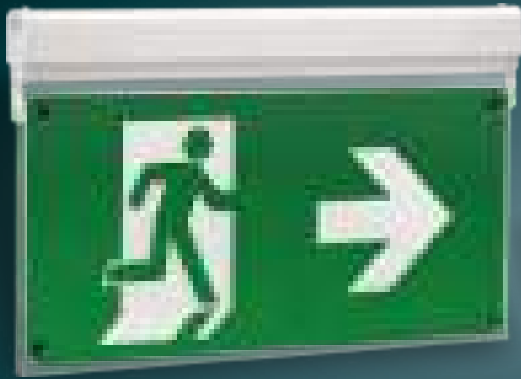
This series is divided as follows:

- KLR-20 with a viewing distance of 20 meters
- KLD-22 with a viewing distance of 22 meters
- KLD-30 with a viewing distance of 30 meters

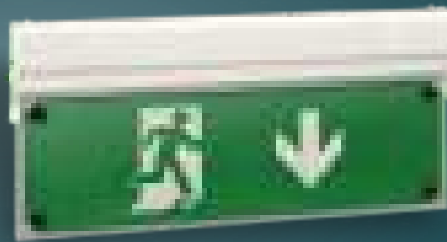
All luminaires can be mounted on walls and ceilings with various mounting accessories:

Recessed with bases A-2520 / PL / ST & A-2520 / PL (Only for KLD-XX)

- Hanging ceiling mounted with accessories A-2130, A-2131, A-2132 for 1m, 0.5m and 0.25m respectively.
- Vertical to the wall with the base A-2133
- Wall mounted on wall with accessory A-2138 (Included in the package)
- Ceiling mounted with accessory A-2137 (Included in the package)
- Suspended ceiling mounting with 2.5m cable with component A-2136



1
MLD-34X/x
MLD-44X/x



2
MLD-28X/x

ECO LIGHT



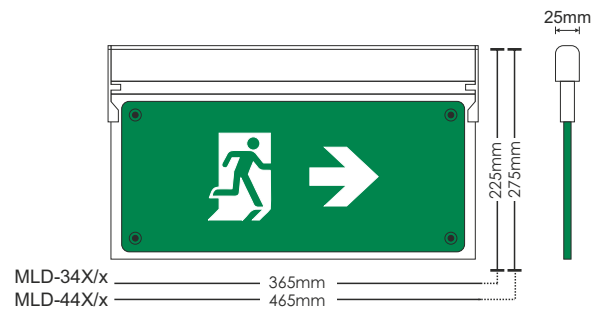
*They have BSI & CNBOP-PIB certifications

| | | | | |
|-----|------|-------|---|-----|
| 3h | IP40 | CE | → | 16m |
| 30m | 38m | Ni-Cd | | |

Mounting method



Dimensions



| CODE | TYPE | ST | M | NM | | | | | | kg |
|-----------|------------|----|---|----|------|----------------|-----|----------|-----------|----------|
| 922502811 | MLD-28D/w* | — | ✓ | ✓ | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3W/7,5VA | 85/85 lm | 705 gr. |
| 922503426 | MLD-34D/w* | — | ✓ | ✓ | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3W/8VA | 105/85 lm | 1135 gr. |
| 922504417 | MLD-44D/w* | — | ✓ | ✓ | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3W/8VA | 105/85lm | 1679 gr. |
| 922502800 | MLD-28S/g | — | ✓ | — | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3W/7,5VA | 18/18 lm | 685 gr. |
| 922503400 | MLD-34S/g | — | ✓ | — | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3W/8VA | 22/18 lm | 1020 gr. |
| 922504400 | MLD-44S/g | — | ✓ | — | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3W/8VA | 22/18 lm | 1531 gr. |

The packaging contains 20pcs. of MLD-X/x, 10pcs. of MLD-34X/x, 10pcs. of MLD-44X/x

| SINGLE-SIDE PICTOGRAMS | | | | |
|------------------------|----------|--------------------------------------|----------|-----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 804012228 | SW-28/L | PVC transparent 0,5mm for MLD-28 16m | ✓ | |
| 804012028 | SW-28/R | PVC transparent 0,5mm for MLD-28 16m | ✓ | |
| 804012128 | SW-28/DR | PVC transparent 0,5mm for MLD-28 16m | | |
| 804012328 | SW-28/DL | PVC transparent 0,5mm for MLD-28 16m | | |
| 804012428 | SW-28/UR | PVC transparent 0,5mm for MLD-28 16m | | |
| 804012429 | SW-28/UL | PVC transparent 0,5mm for MLD-28 16m | | |
| 804012534 | SW-34/L | PVC transparent 0,5mm for MLD-34 30m | ✓ | |
| 804012034 | SW-34/R | PVC transparent 0,5mm for MLD-34 30m | ✓ | |
| 804012134 | SW-34/DR | PVC transparent 0,5mm for MLD-34 30m | | |
| 804012634 | SW-34/DL | PVC transparent 0,5mm for MLD-34 30m | | |
| 804012234 | SW-34/UR | PVC transparent 0,5mm for MLD-34 30m | | |
| 804012235 | SW-34/UL | PVC transparent 0,5mm for MLD-34 30m | | |
| 804013544 | SW-44/L | PVC transparent 0,5mm for MLD-44 38m | ✓ | |
| 804013444 | SW-44/R | PVC transparent 0,5mm for MLD-44 38m | ✓ | |
| 804014444 | SW-44/DR | PVC transparent 0,5mm for MLD-44 38m | | |
| 804014544 | SW-44/DL | PVC transparent 0,5mm for MLD-44 38m | | |
| 804012444 | SW-44/UR | PVC transparent 0,5mm for MLD-44 38m | | |
| 804012445 | SW-44/UL | PVC transparent 0,5mm for MLD-44 38m | | |

| ACCESSORIES | | | | |
|-------------|-----------|---------------------------------|----------|-----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 927101801 | A-1018/PL | Recess mounting base for MLD-28 | | ✓ |
| 927102001 | A-1020/PL | Recess mounting base for MLD-34 | | ✓ |



A-1018/PL



A-1020/PL

| BATTERIES | | |
|-----------|----------|------------------------|
| CODE | TYPE | DESCRIPTION |
| 601223610 | A-938/HT | Battery 3,6V/1Ah Ni-Cd |



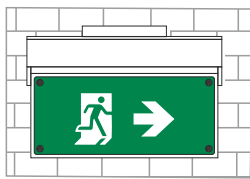
ECO LIGHT



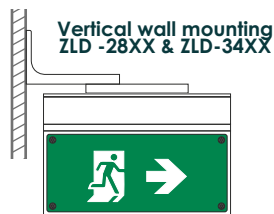
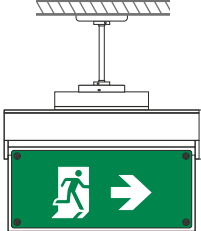
*They have BSI & CNBOP-PIB certifications



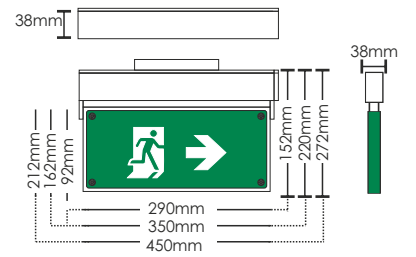
Mounting method



Ceiling mounting with extension rod 0,25-1m



Dimensions



| CODE | TYPE | ST | M | NM | | | | | | kg |
|-----------|------------|----|---|----|------|------------------|-----|------------|------------|----------|
| 922502858 | ZLD-28/EM* | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Mh | 3 h | 3,8W/6,5VA | 125/125 lm | 1021 gr. |
| 922503462 | ZLD-34/EM* | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Mh | 3 h | 4W/6,7VA | 145/125 lm | 1401 gr. |
| 922504456 | ZLD-44/EM | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-Mh | 3 h | 4,3W/6,9VA | 170/125 lm | 1936 gr. |

| SINGLE-SIDE PICTOGRAMS | | | | |
|------------------------|----------|--------------------------------------|----------|-----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 804012228 | SW-28/L | PVC transparent 0,5mm for ZLD-28 16m | ✓ | |
| 804012028 | SW-28/R | PVC transparent 0,5mm for ZLD-28 16m | ✓ | |
| 804012128 | SW-28/DR | PVC transparent 0,5mm for ZLD-28 16m | | ✓ |
| 804012328 | SW-28/DL | PVC transparent 0,5mm for ZLD-28 16m | | ✓ |
| 804012428 | SW-28/UR | PVC transparent 0,5mm for ZLD-28 16m | | ✓ |
| 804012429 | SW-28/UL | PVC transparent 0,5mm for ZLD-28 16m | | ✓ |
| 804012534 | SW-34/L | PVC transparent 0,5mm for ZLD-34 30m | ✓ | |
| 804012034 | SW-34/R | PVC transparent 0,5mm for ZLD-34 30m | ✓ | |
| 804012134 | SW-34/DR | PVC transparent 0,5mm for ZLD-34 30m | | ✓ |
| 804012634 | SW-34/DL | PVC transparent 0,5mm for ZLD-34 30m | | ✓ |
| 804012234 | SW-34/UR | PVC transparent 0,5mm for ZLD-34 30m | | ✓ |
| 804012235 | SW-34/UL | PVC transparent 0,5mm for ZLD-34 30m | | ✓ |
| 804013544 | SW-44/L | PVC transparent 0,5mm for ZLD-44 38m | ✓ | |
| 804013444 | SW-44/R | PVC transparent 0,5mm for ZLD-44 38m | ✓ | |
| 804014444 | SW-44/DR | PVC transparent 0,5mm for ZLD-44 38m | | ✓ |
| 804014544 | SW-44/DL | PVC transparent 0,5mm for ZLD-44 38m | | ✓ |
| 804012444 | SW-44/UR | PVC transparent 0,5mm for ZLD-44 38m | | ✓ |
| 804012445 | SW-44/UL | PVC transparent 0,5mm for ZLD-44 38m | | ✓ |

| ACCESSORIES | | | | | |
|-------------|--------------|---|----------|-----------|----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND | kg |
| 927101802 | A-1018/PL/ST | Recess mounting base for self-testing luminaries | | ✓ | 165 gr. |
| 927102002 | A-1020/PL/ST | Recess mounting base for self-testing luminaries | | ✓ | 195 gr. |
| 927311300 | A-1130 | Set of accessories (1m) for ceiling mounting (silver) | | ✓ | 375 gr. |
| 927311310 | A-1131 | Set of accessories (0,5m) for ceiling mounting (silver) | | ✓ | 280 gr. |
| 927311320 | A-1132 | Set of accessories (0,25m) for ceiling mounting (silver) | | ✓ | 139 gr. |
| 927311330 | A-1133 | Accessory for vertical wall mounting (silver) (Only for ZLD 28/34 EM) | | ✓ | 106,5 gr |
| 927311340 | A-1134 | Accessory for wall mounting (silver) | ✓ | | 111 gr. |



A-1018/PL/ST
A-1020/PL/ST



A-1130, A-1131,
A-1132



A-1133



A-1134

| BATTERIES | | |
|-----------|----------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601103612 | A-965/HT | Battery 3,6V/1,5Ah Ni-Mh |



ECO LIGHT



| CODE | TYPE | ST | M | NM | IP | Battery | 3h | Power | Mains/Emergency | kg |
|-----------|------------|----|---|----|------|------------------|-----|------------|-----------------|----------|
| 922503000 | CLD-30 | ✓ | ✓ | — | IP40 | 3,6V/1,5Ah Ni-MH | 3 h | 2,7W/3VA | 63 / 125 lm | 1350 gr. |
| 922503001 | CLD-30/NST | — | ✓ | — | IP40 | 3,6V/1Ah Ni-Cd | 3 h | 3,5W/3,7VA | 45 / 95 lm | 1323 gr. |

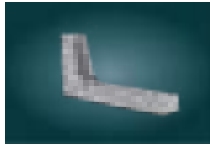
SINGLE-SIDE PICTOGRAMS

| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND | Icon |
|-----------|----------|--|----------|-----------|------|
| 804030031 | SW-30/L | Marking overlay with left indication 30m | ✓ | | |
| 804030030 | SW-30/R | Marking overlay with right indication 30m | ✓ | | |
| 804030033 | SW-30/DL | Marking overlay with down left indication 30m | | ✓ | |
| 804030032 | SW-30/DR | Marking overlay with down right indication 30m | | ✓ | |

| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND | kg |
|-----------|--------|--|----------|-----------|----------|
| 927311300 | A-1130 | Set of accessories (1m) for ceiling mounting (silver) | | ✓ | 375 gr. |
| 927311310 | A-1131 | Set of accessories (0,5m) for ceiling mounting (silver) | | ✓ | 280 gr. |
| 927311320 | A-1132 | Set of accessories (0,25m) for ceiling mounting (silver) | | ✓ | 139 gr. |
| 927311330 | A-1133 | Accessory for vertical wall mounting (silver) | | ✓ | 106,5 gr |
| 927311340 | A-1134 | Accessory for wall mounting (silver) | ✓ | | 111 gr. |



A-1130, A-1131, A-1132



A-1133



A-1134

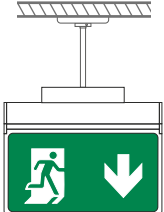
BATTERIES

| CODE | TYPE | DESCRIPTION |
|-----------|----------|--------------------------|
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |
| 601223610 | A-938/HT | Battery 3,6V/1Ah Ni-Cd |

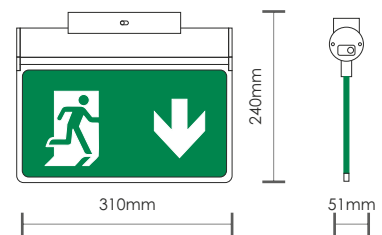
Mounting method

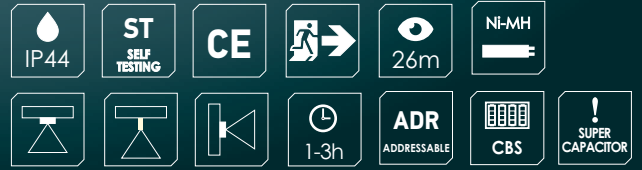


Ceiling mounting with extension rod 0,25-1m



Dimensions

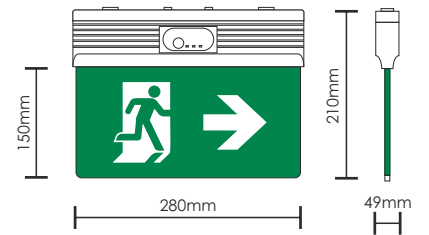




Mounting method



Dimensions



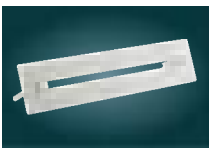
Required opening for suspended wall or ceiling installation



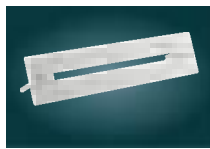
| CODE | TYPE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|-------------|----|---|----|------|------------------|------|-------------|-----------------|----------|
| 922502513 | PLD-25/NiMH | ✓ | ✓ | — | IP44 | 3,6V/1,2Ah Ni-Mh | 3 h | 4W/4,4 VA | 90/100 lm | 1073 gr. |
| 922502503 | PLD-25/NST | — | ✓ | ✓ | IP44 | 3,6V/1,5Ah Ni-Mh | 3 h | 4,3W/4,6 VA | 90/100 lm | 1068 gr. |
| 922502501 | PLD-25/SC | ✓ | ✓ | — | IP44 | Supercapacitor | 1 h | 4,3W/4,7VA | 73/20 lm | 1088 gr. |

| SINGLE-SIDE PICTOGRAMS | | | INCLUDED | ON DEMAND | |
|------------------------|----------|--|----------|-----------|--|
| CODE | TYPE | DESCRIPTION | | | |
| 804010125 | SW-25/L | Marking overlay with left indication 26m | ✓ | | |
| 804010025 | SW-25/R | Marking overlay with right indication 26m | ✓ | | |
| 804010325 | SW-25/DL | Marking overlay with down left indication 26m | | ✓ | |
| 804010225 | SW-25/DR | Marking overlay with down right indication 26m | | ✓ | |
| 804010525 | SW-25/UL | Marking overlay with up left indication 26m | | ✓ | |
| 804010425 | SW-25/UR | Marking overlay with up right indication 26m | | ✓ | |

| ACCESSORIES ON DEMAND | | | |
|-----------------------|----------------|---|---------|
| CODE | TYPE | DESCRIPTION | kg |
| 927251001 | A-2510/PL | Suspended mounting base for luminaires without Autotest | 169 gr. |
| 927251002 | A-2510/PL/ST/M | Suspended mounting base for Self-testing luminaires | 181 gr. |
| 927321300 | A-2130 | Set of accessories (1m) for ceiling mounting (white) | 375 gr. |
| 927321310 | A-2131 | Set of accessories (0,5m) for ceiling mounting (white) | 280 gr. |
| 927321320 | A-2132 | Set of accessories (0,25m) for ceiling mounting (white) | 139 gr. |
| 927321330 | A-2133 | Accessory for vertical wall mounting (white) | 108 gr. |



A-2510/PL



A-2510/PL/ST/M



A-2130, A-2131, A-2132



A-2133

| BATTERIES | | |
|-----------|----------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |
| 601103612 | A-965/HT | Battery 3,6V/1,5Ah Ni-Mh |

10
years
guarantee

Innovation!

The PLD-25/SC has one super capacitor instead of normal batteries and offers a 10 year guarantee for the good operation of the entire device. They are self-testing with advance capacitor charging and discharging circuits while simultaneously achieving low power consumption. Ambient operating temperature -40° +65°.

!
innovation
without
batteries

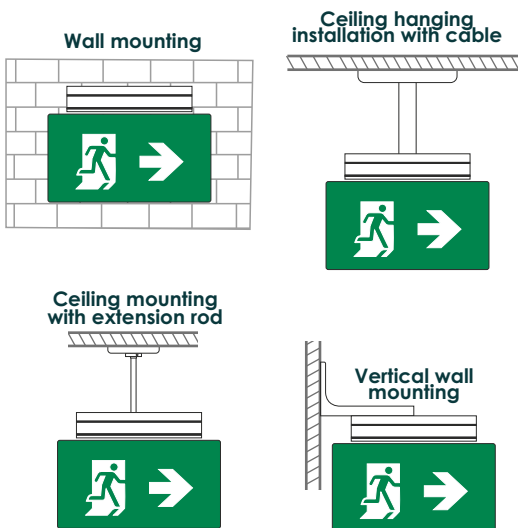
Using supercapacitors as energy storage media in place of conventional batteries is the most modern and sophisticated solution in emergency luminaires. Designed for, at least, 10 years of reliable function with much higher number of charging /discharging cycles. It can withstand extreme temperatures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



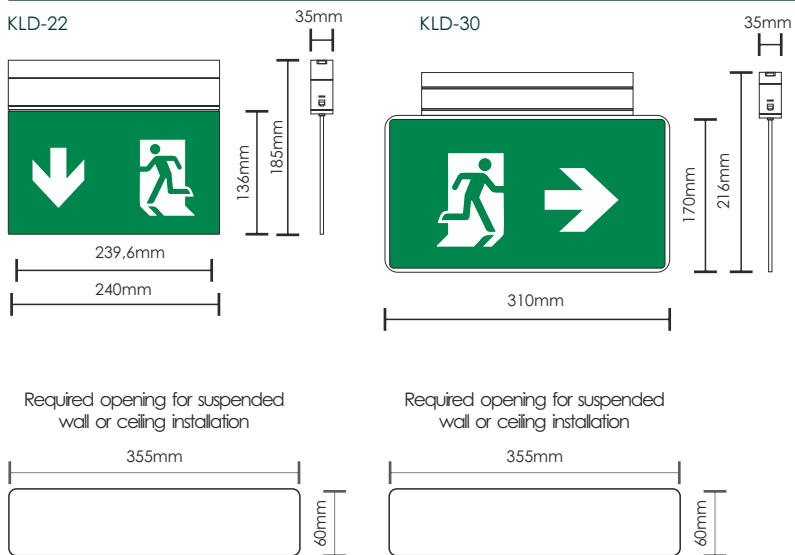
| Comparing table | Supercapacitor | Ni-Cd battery | Ni-MH battery |
|---|----------------|---------------|---------------|
| Designed for | >10 years | 4 years | 4 years |
| Number of charging / discharging cycles | >500.000 | 500 - 2000 | 300 - 1500 |
| Working temperature range | -40 C° - 65C° | 0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



Mounting method for KLD-22 & KLD-30



Dimensions





1
KLD-22

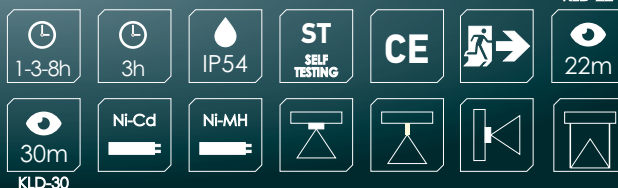
1
KLD-30

ECO LIGHT



KM640081
BS EN 60598-2-22

*They have BSI certification



| CODE | TYPE | ST | M | NM | IP | Battery | Runtime | Power | Dimensions | Weight |
|-----------|------------|----|---|----|------|------------------|---------|------------|----------------------|----------|
| 922502201 | KLD-22/ST* | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Mh | 1-3-8 h | 3,9W/4,4VA | 80/250 80/110 80/15m | 1104 gr. |
| 922503051 | KLD-30/ST* | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Mh | 1-3-8 h | 3,9W/4,4VA | 80/250 80/110 80/15m | 1347 gr. |
| 922502200 | KLD-22 | — | ✓ | ✓ | IP54 | 3,6V/1Ah Ni-Cd | 3 h | 3,2W/3,4VA | 75/75m | 1060 gr. |
| 922503050 | KLD-30 | — | ✓ | ✓ | IP54 | 3,6V/1Ah Ni-Cd | 3 h | 3,2W/3,4VA | 75/75m | 1311 gr. |

| SINGLE-SIDE PICTOGRAMS | | DESCRIPTION | INCLUDED | ON DEMAND | |
|------------------------|----------|--|----------|-----------|--|
| CODE | TYPE | | | | |
| 804022001 | SW-22/L | Marking overlay with left indication for 22m | ✓ | | |
| 804022000 | SW-22/R | Marking overlay with right indication for 22m | ✓ | | |
| 804022003 | SW-22/DL | Marking overlay with down left indication 22m | ✓ | | |
| 804022002 | SW-22/DR | Marking overlay with down right indication 22m | ✓ | | |
| 804022004 | SW-22/UR | Marking overlay with up right indication 22m | | ✓ | |
| 804022005 | SW-22/UL | Marking overlay with up left indication 22m | | ✓ | |
| 804030001 | SW-31/L | Marking overlay with left indication 30m | ✓ | | |
| 804030000 | SW-31/R | Marking overlay with right indication 30m | ✓ | | |
| 804030003 | SW-31/DL | Marking overlay with down left indication 30m | ✓ | | |
| 804030002 | SW-31/DR | Marking overlay with down right indication 30m | ✓ | | |
| 804030004 | SW-31/UR | Marking overlay with up right indication 30m | | ✓ | |
| 804030005 | SW-31/UL | Marking overlay with up left indication 30m | | ✓ | |

| ACCESSORIES ON DEMAND | | DESCRIPTION | Weight |
|-----------------------|--------------|---|---------|
| CODE | TYPE | | kg |
| 927321300 | A-2130 | Set of accessories (1m) for ceiling mounting (white) | 375 gr. |
| 927321310 | A-2131 | Set of accessories (0,5m) for ceiling mounting (white) | 280 gr. |
| 927321320 | A-2132 | Set of accessories (0,25m) for ceiling mounting (white) | 139 gr. |
| 927321330 | A-2133 | Accessory for vertical wall mounting (white) | 108 gr. |
| 927321360 | A-2136 | Accessory set for ceiling mounted hanging installations with 2,5m cable | 164 gr. |
| 927252000 | A-2520/PL/ST | Suspended ceiling base for self-testing luminaire KLD-xx | 195 gr. |
| 927252001 | A-2520/PL | Suspended ceiling base | 202 gr. |



A-2130, A-2131,
A-2132



A-2133



A-2136



A-2520/PL/ST



A-2520/PL

| BATTERIES | | |
|-----------|----------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |
| 601223610 | A-938/HT | Battery 3,6V/1Ah Ni-Cd |

SELF-CONTAINED LUMINARIES

CONVERTERS

ADDRESSABLE LUMINARIES

WIRELESS LUMINARIES

CBS LUMINARIES



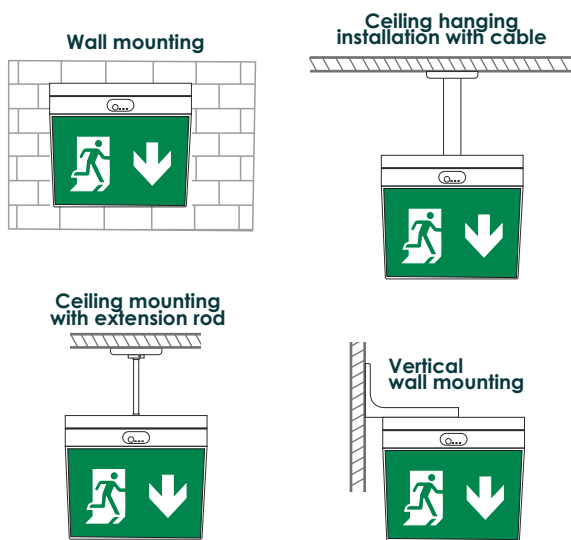
ECO LIGHT



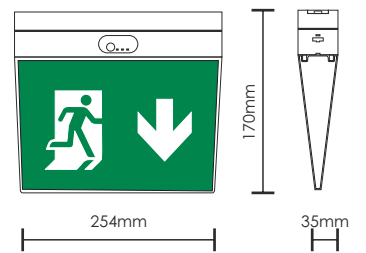
*They have BSI certification

| | | | | | |
|--------|-------|-----------------|----|--|-----|
| 1-3-8h | IP54 | ST SELF TESTING | CE | | 20m |
| Ni-Cd | Ni-MH | | | | |

Mounting method



Dimensions



| CODE | TYPE | ST | M | NM | | | | | | |
|-----------|------------|----|---|----|------|------------------|-------|------------|----------------------|---------|
| 922502051 | KLR-20/ST* | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Mh | 1-3 h | 3,5W/4VA | 80/250 80/110 80/15m | 816 gr. |
| 922502050 | KLR-20 | — | ✓ | ✓ | IP54 | 3,6V/1Ah Ni-Cd | 3 h | 3,2W/3,4VA | 75/75m | 816 gr. |

| SINGLE-SIDE PICTOGRAMS | | | | |
|------------------------|----------|--|----------|-----------|
| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
| 804020001 | SW-20/L | Marking overlay with left indication 20m | ✓ | |
| 804020000 | SW-20/R | Marking overlay with right indication 20m | ✓ | |
| 804020003 | SW-20/DL | Marking overlay with down left indication 20m | ✓ | |
| 804020002 | SW-20/DR | Marking overlay with down right indication for 20m | ✓ | |
| 804020004 | SW-20/UR | Marking overlay with up right indication 20m | | ✓ |
| 804020005 | SW-20/UL | Marking overlay with up left indication 20m | | ✓ |

| ACCESSORIES ON DEMAND | | | |
|-----------------------|--------------|---|---------|
| CODE | TYPE | DESCRIPTION | |
| 927321300 | A-2130 | Set of accessories (1m) for ceiling mounting (white) | 375 gr. |
| 927321310 | A-2131 | Set of accessories (0,5m) for ceiling mounting (white) | 280 gr. |
| 927321320 | A-2132 | Set of accessories (0,25m) for ceiling mounting (white) | 139 gr. |
| 927321330 | A-2133 | Accessory for vertical wall mounting (white) | 108 gr. |
| 927321360 | A-2136 | Accessory set for ceiling mounted hanging installations with 2,5m cable | 164 gr. |
| 927252000 | A-2520/PL/ST | Suspended ceiling base for self-testing luminary KLD-xx | 195 gr. |
| 927252001 | A-2520/PL | Suspended ceiling base | 202 gr. |



A-2130, A-2131, A-2132



A-2133

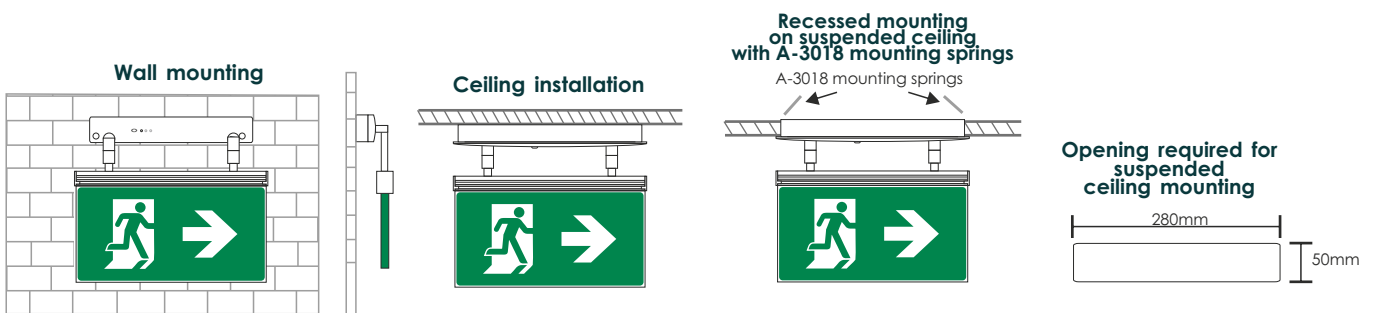


A-2136

| BATTERIES | | |
|-----------|----------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |
| 601223610 | A-938/HT | Battery 3,6V/1Ah Ni-Cd |

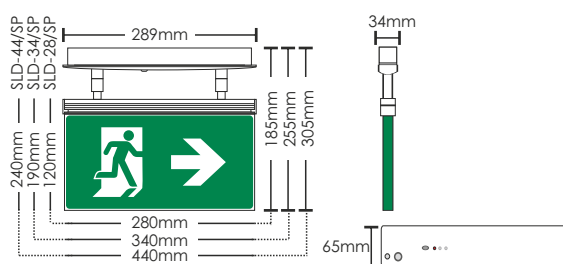


Mounting method

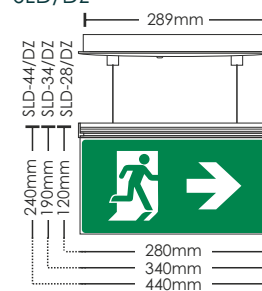


Dimensions

SLD/SP



SLD/DZ



LOUNGE LIGHT



1
SLD-xx/SP

2
SLD-xx/DZ

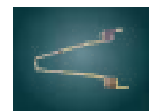


| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Runtime | Power | Mains/Emergency | Weight |
|-----------|-----------|-------|----|---|----|------|------------------|---------|-------|-----------------|----------|
| 922028008 | SLD-28/SP | 1 | ✓ | ✓ | — | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 9VA | 100/100 lm | 1010 gr. |
| 922034009 | SLD-34/SP | 1 | ✓ | ✓ | — | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 9,5VA | 125/125 lm | 1448 gr. |
| 922044006 | SLD-44/SP | 1 | ✓ | ✓ | — | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 9,5VA | 125/125 lm | 1900 gr. |
| 922028000 | SLD-28/DZ | 2 | ✓ | ✓ | — | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 9VA | 100/100 lm | 1007 gr. |
| 922034000 | SLD-34/DZ | 2 | ✓ | ✓ | — | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 9,5VA | 125/125 lm | 1358 gr. |
| 922044000 | SLD-44/DZ | 2 | ✓ | ✓ | — | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 9,5VA | 125/125 lm | 1796 gr. |

| SINGLE-SIDE PICTOGRAMS | | DESCRIPTION | INCLUDED | ON DEMAND | |
|------------------------|----------|--|----------|-----------|--|
| 804012228 | SW-28/L | Pictogram Left ISO single side 16m | ✓ | | |
| 804012028 | SW-28/R | Pictogram Right ISO single side 16m | ✓ | | |
| 804012328 | SW-28/DL | Pictogram Down Left ISO single side 16m | | ✓ | |
| 804012128 | SW-28/DR | Pictogram Down Right ISO single side 16m | | ✓ | |
| 804012428 | SW-28/UR | Pictogram Up Right ISO single side 16m | | ✓ | |
| 804012429 | SW-28/UL | Pictogram Up Left ISO single side 16m | | ✓ | |
| 804012534 | SW-34/L | Pictogram Left ISO single side 30m | ✓ | | |
| 804012034 | SW-34/R | Pictogram Right ISO single side 30m | ✓ | | |
| 804012634 | SW-34/DL | Pictogram Down Left ISO single side 30m | | ✓ | |
| 804012134 | SW-34/DR | Pictogram Down Right Right ISO single side 30m | | ✓ | |
| 804012234 | SW-34/UR | Pictogram Up Right ISO single side 30m | | ✓ | |
| 804012235 | SW-34/UL | Pictogram Up Left ISO single side 30m | | ✓ | |
| 804013544 | SW-44/L | Pictogram Left ISO single side 38m | ✓ | | |
| 804013444 | SW-44/R | Pictogram Right ISO single side 38m | ✓ | | |
| 804014544 | SW-44/DL | Pictogram Down Left ISO single side 38m | | ✓ | |
| 804014444 | SW-44/DR | Pictogram Down Right ISO single side 38m | | ✓ | |
| 804012444 | SW-44/UR | Pictogram Up Right ISO single side 38m | | ✓ | |
| 804012445 | SW-44/UL | Pictogram Up Left ISO single side 38m | | ✓ | |

| ACCESSORIES | | DESCRIPTION | INCLUDED | ON DEMAND | Weight |
|-------------|--------|------------------------------------|----------|-----------|----------|
| 980330180 | A-3018 | Suspended ceiling mounting springs | ✓ | | 10,9 gr. |

| BATTERIES | | DESCRIPTION |
|-----------|----------|--------------------------|
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |



A-3018



PROJECT LIGHT

| | | | | | |
|--|--|---|--|---|--|
|  1,5-3h |  IP42 |  ST SELF TESTING |  CE |  |  GRL-82x 37m |
|  49m GRL-83x |  65m GRL-84x |  Ni-Cd |  |  | |

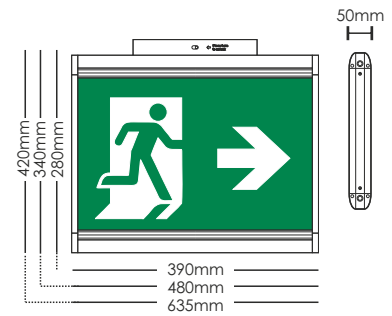
Mounting method



**Ceiling mounting
with extension rod 0,25-1m**



Dimensions



| CODE | TYPE | ST | M | NM | | | | | | |
|-----------|------------|----|---|----|------|------------------|-------|--------------|------------|----------|
| 923822102 | GRL-822/EM | ✓ | ✓ | ✓ | IP42 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 7,5W/10,1VA | 510/255 lm | 1628 gr. |
| 923824102 | GRL-824/EM | ✓ | ✓ | ✓ | IP42 | 4,8V/1,5Ah Ni-Cd | 3 h | 7,5W/10,1VA | 510/255 lm | 1669 gr. |
| 923832102 | GRL-832/EM | ✓ | ✓ | ✓ | IP42 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 9,8W/12,3VA | 680/340 lm | 2327 gr. |
| 923834102 | GRL-834/EM | ✓ | ✓ | ✓ | IP42 | 4,8V/3Ah Ni-Cd | 3 h | 10,1W/12,7VA | 680/340 lm | 2427 gr. |
| 923842102 | GRL-842/EM | ✓ | ✓ | ✓ | IP42 | 4,8V/1,5Ah Ni-Cd | 1,5 h | 11,7W/14,2VA | 850/425 lm | 2993 gr. |
| 923844102 | GRL-844/EM | ✓ | ✓ | ✓ | IP42 | 4,8V/3Ah Ni-Cd | 3 h | 12,1W/14,9VA | 850/425 lm | 3065 gr. |

GRL-XXX/EM/○ All the above models can be manufactured as single sided luminaries with an aluminum backplate

| SINGLE-SIDE PICTOGRAMS | | | INCLUDED | ON DEMAND | |
|------------------------|------------|--|----------|-----------|--|
| CODE | TYPE | DESCRIPTION | | | |
| 813860012 | PL-86x/LO | Plexiglass 2mm with left indication for GRL-822/824/860 EM | ✓ | | |
| 813860011 | PL-86x/RO | Plexiglass 2mm with right indication for GRL-822/824/860 EM | ✓ | | |
| 813860014 | PL-86x/DLO | Plexiglass 2mm with down left indication for GRL-822/824/860 EM | | — | |
| 813860013 | PL-86x/DRO | Plexiglass 2mm with down right indication for GRL-822/824/860 EM | | — | |
| 813860016 | PL-86x/ULO | Plexiglass 2mm with up left indication for GRL-822/824/870 EM | | — | |
| 813860015 | PL-86x/URO | Plexiglass 2mm with up right indication for GRL-822/824/860 EM | | — | |
| 813870010 | PL-87x/LO | Plexiglass 2mm with left indication for GRL-832/834/860 EM | ✓ | | |
| 813870009 | PL-87x/RO | Plexiglass 2mm with right indication for GRL-832/834/860 EM | ✓ | | |
| 813870012 | PL-87x/DLO | Plexiglass 2mm with down left indication for GRL-832/834/860 EM | | — | |
| 813870011 | PL-87x/DRO | Plexiglass 2mm with down right indication for GRL-832/834/860 EM | | — | |
| 813870014 | PL-87x/ULO | Plexiglass 2mm with up left indication for GRL-832/834/860 EM | | — | |
| 813870013 | PL-87x/URO | Plexiglass 2mm with up right indication for GRL-832/834/860 EM | | — | |
| 813880010 | PL-88x/LO | Plexiglass 2mm with left indication for GRL-842/844/880 EM | ✓ | | |
| 813880009 | PL-88x/RO | Plexiglass 2mm with right indication for GRL-842/844/880 EM | ✓ | | |
| 813880012 | PL-88x/DLO | Plexiglass 2mm with down left indication for GRL-842/844/880 EM | | — | |
| 813880011 | PL-88x/DRO | Plexiglass 2mm with down right indication for GRL-842/844/880 EM | | — | |
| 813880014 | PL-88x/ULO | Plexiglass 2mm with up left indication for GRL-GRL-842/844/880 EM | | — | |
| 813880013 | PL-88x/URO | Plexiglass 2mm with up right indication for GRL-GRL-842/844/880 EM | | — | |

| ACCESSORIES ON DEMAND | | | |
|-----------------------|--------|--|----------|
| CODE | TYPE | DESCRIPTION | |
| 927311300 | A-1130 | Set of accessories (1m) for ceiling mounting (silver) | 375 gr. |
| 927311310 | A-1131 | Set of accessories (0,5m) for ceiling mounting (silver) | 280 gr. |
| 927311320 | A-1132 | Set of accessories (0,25m) for ceiling mounting (silver) | 139 gr. |
| 927311330 | A-1133 | Accessory for vertical wall mounting (silver) | 106,5 gr |
| 927311340 | A-1134 | Accessory for wall mounting (silver) | 111 gr. |



A-1130, A-1131, A-1132



A-1133



A-1134

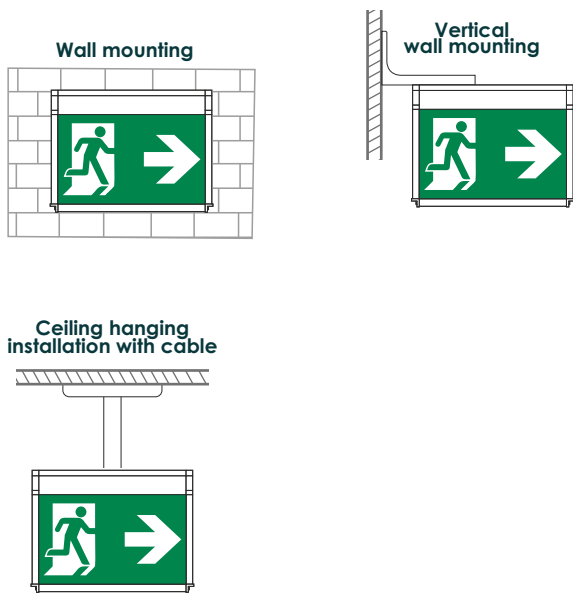
| BATTERIES | | |
|-----------|----------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601213615 | B-972/HT | Battery 3,6V/1,5Ah NiCd |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah Ni-Cd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah Ni-Cd |



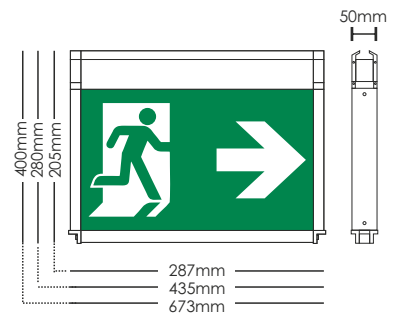
LED LIGHT BOX

| | | | | | |
|---------------|---------------|-----------------------|----|---|---------------|
| 1,5-3h | IP44 | ST SELF TESTING | CE | → | LLB-26 26m |
| 40m LLB-40 | 64m LLB-64 | Ni-Mh | ← | ↖ | |

Mounting method



Dimensions



| CODE | TYPE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|------------|----|---|----|------|------------------|-------|------------|-----------------|----------|
| 923026001 | LLB-26/90 | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 6W/6,4VA | 230/300 lm | 1072 gr. |
| 923026003 | LLB-26/180 | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 3 h | 6W/6,4VA | 230/123 lm | 1072 gr. |
| 923040001 | LLB-40/90 | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 7W/7,4VA | 370/300 lm | 1774 gr. |
| 923040003 | LLB-40/180 | ✓ | ✓ | ✓ | IP44 | 4,8V/2,4Ah Ni-Mh | 3 h | 7W/7,4VA | 370/300 lm | 1881 gr. |
| 923064001 | LLB-64/90 | ✓ | ✓ | ✓ | IP44 | 4,8V/2Ah Ni-Mh | 1,5 h | 9,3W/9,8VA | 600/500 lm | 2445 gr. |
| 923064003 | LLB-64/180 | ✓ | ✓ | ✓ | IP44 | 4,8V/4Ah Ni-Mh | 3 h | 9,3W/9,8VA | 600/500 lm | 3372 gr. |

| SINGLE-SIDE PICTOGRAMS | | | INCLUDED | ON DEMAND | |
|------------------------|----------|--|----------|-----------|---|
| CODE | TYPE | DESCRIPTION | | | |
| 804502612 | PL-26/L | Plexiglass 2mm with left indication for LLB-26 26m | ✓ | | ← |
| 804502611 | PL-26/R | Plexiglass 2mm with right indication for LLB-26 26m | ✓ | | → |
| 804502610 | PL-26/DL | Plexiglass 2mm with down left indication for LLB-26 26m | | — | ↓ |
| 804502609 | PL-26/DR | Plexiglass 2mm with down right indication for LLB-26 26m | | — | ↓ |
| 804502614 | PL-26/UL | Plexiglass 2mm with up left indication for LLB-26 26m | | — | ↑ |
| 804502613 | PL-26/UR | Plexiglass 2mm with up right indication for LLB-26 26m | | — | ↑ |
| 804502615 | PL-26/B | Plexiglass 2mm for LLB-26 26m | | — | |
| 804504011 | PL-40/L | Plexiglass 2mm with left indication for LLB-40 40m | ✓ | | ← |
| 804504010 | PL-40/R | Plexiglass 2mm with right indication for LLB-40 40m | ✓ | | → |
| 804504013 | PL-40/DL | Plexiglass 2mm with down left indication for LLB-40 40m | | — | ↓ |
| 804504012 | PL-40/DR | Plexiglass 2mm with down right indication for LLB-40 40m | | — | ↓ |
| 804504015 | PL-40/UL | Plexiglass 2mm with up left indication for LLB-40 40m | | — | ↑ |
| 804504014 | PL-40/UR | Plexiglass 2mm with up right indication for LLB-40 40m | | — | ↑ |
| 804504016 | PL-40/B | Plexiglass 2mm for LLB-40 40m | | — | |
| 804506411 | PL-64/L | Plexiglass 2mm with left indication for LLB-64 64m | ✓ | | ← |
| 804506410 | PL-64/R | Plexiglass 2mm with right indication for LLB-64 64m | ✓ | | → |
| 804506413 | PL-64/DL | Plexiglass 2mm with down left indication for LLB-64 64m | | — | ↓ |
| 804506412 | PL-64/DR | Plexiglass 2mm with down right indication for LLB-64 64m | | — | ↓ |
| 804506415 | PL-64/UL | Plexiglass 2mm with up left indication for LLB-64 64m | | — | ↑ |
| 804506414 | PL-64/UR | Plexiglass 2mm with up right indication for LLB-64 64m | | — | ↑ |
| 804506416 | PL-64/B | Plexiglass 2mm for LLB-64 64m | | — | |

| BATTERIES | | |
|-----------|--------------|--------------------------|
| CODE | TYPE | DESCRIPTION |
| 601104812 | C-930/HT | Battery 4,8V/1,2Ah Ni-Mh |
| 601134820 | B-954/HT | Battery 4,8V/2Ah Ni-Mh |
| 601134840 | B-936/HT60SC | Battery 4,8V/4Ah Ni-Mh |

| ACCESSORIES ON DEMAND | | | kg |
|-----------------------|--------|--|---------|
| CODE | TYPE | DESCRIPTION | |
| 927311350 | A-1135 | Accessory for vertical wall mounting (For LLB-26/90/180) | 204 gr. |
| 927311360 | A-1136 | Accessory set for ceiling mounted hanging installations with 0,25m cable (For LLB-26 & LLB-40) | 164 gr. |
| 927311340 | A-1134 | Accessory for wall mounting | 111 gr. |



A-1135



A-1136



A-1134





3D LIGHT



| CODE | TYPE | ST | M | NM | IP | Battery | Runtime | Power | Mains/Emergency | Weight |
|-----------|------------|----|---|----|------|----------------|---------|------------|--------------------------|----------|
| 923415003 | GR-415/1PL | ✓ | ✓ | ✓ | IP40 | 4.8V/2Ah Ni-Mh | 1-3.8 h | 6.4W/6.4VA | 370/370 370/270 370/100m | 3370 gr. |

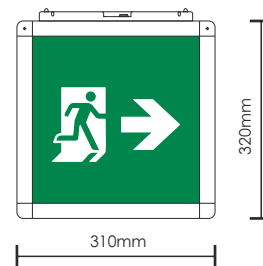
| SINGLE-SIDE PICTOGRAMS | | DESCRIPTION | INCLUDED | ON DEMAND | |
|------------------------|-----------|--|----------|-----------|--|
| CODE | TYPE | | | | |
| 804000062 | PL-4xx/L | Marking overlay with left indication | — | ✓ | |
| 804000061 | PL-4xx/R | Marking overlay with right indication | — | ✓ | |
| 804000063 | PL-4xx/DR | Marking overlay with down right indication | — | ✓ | |
| 804000064 | PL-4xx/UR | Marking overlay with up right indication | — | ✓ | |
| 804000036 | PL-4xx | Marking overlay without print | | | |

| BATTERIES | | |
|-----------|----------|------------------------|
| CODE | TYPE | DESCRIPTION |
| 601134820 | B-954/HT | Battery 4.8V/2Ah Ni-Mh |

Mounting method



Dimensions





TUNNEL LIGHT

Car passenger and freight transport are the dominant transport modes in EU and as modern road networks become more crowded, the use of tunnels and underpasses is expanding. Tunnel installations are demanding, due to limited maintenance access and corrosive atmospheric conditions and emergency luminaires have to satisfy the requirement for both reliable performance and absolute minimum of operation requirements.

The aim of evacuation lighting is to guide tunnel users during evacuation of the tunnel on foot in emergency circumstances. This aim is fulfilled with the use of emergency signs that unambiguously indicate the route of escape to a place of safety

Emergency exit signs in tunnel installations are manufactured in accordance to the following specifications

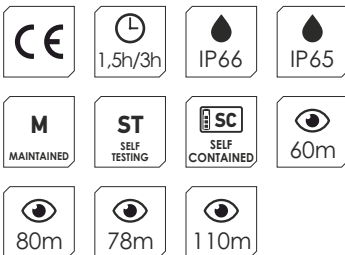
EN 16276:2013 Evacuation lighting in Road Tunnels: the standard specifies evacuation lighting in road tunnels longer than 500m and with an AADT (Annual Average Daily Traffic) higher than 500 vehicles.

EN 1838 Lighting applications: Emergency lighting: the standard specifies the luminous requirements for emergency escape lighting and standby lighting systems and is referenced in EN 16276:2013.

Directive 2004/54/EC: This Directive of the European Parliament specifies the minimum safety requirements for tunnels in the Trans-European Road Network.

CIE 88-2004: This technical report provides guidance for design of lighting systems of road tunnels and underpasses.

EN ISO 7010: the standard specifies the safety colors and safety signs in registered safety signs.





TUNEL LIGHT

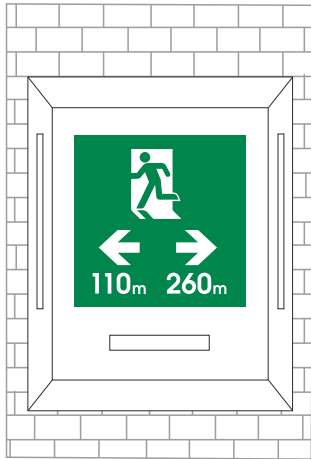


| CODE | TYPE | ST | M | NM | | | |
|-----------|----------------------|----|---|----|------|--------------|--|
| 923573005 | GR-573/L/316Ti/CBS/R | — | — | — | IP66 | 9,6W / 9,9VA | 230cd/m2 (sign) - 120cd/m2 (indication) |

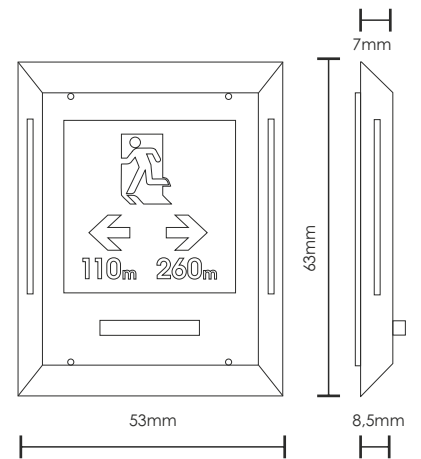
| SINGLE-SIDE PICTOGRAMS | | | |
|------------------------|--------|----------------------------|---|
| CODE | TYPE | DESCRIPTION | |
| 804573001 | PL-57x | Marking overlay indication | ✓ |

Mounting method

Wall mounting



Dimensions





TUNEL LIGHT



1

GR-579/L/90/WP
GR-579/L/180/WP

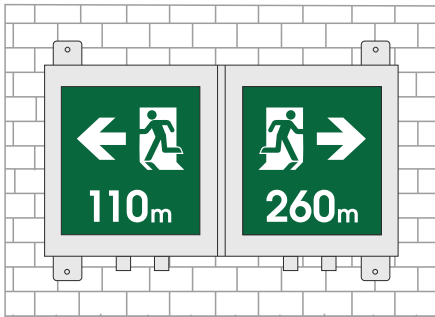
| CODE | TYPE | IMAGE | ST | M | NM | Waterproof | Battery | Time | Power | Mains/Emergency |
|-----------|-------------------|-------|----|---|----|------------|--------------------|-------|--------------|---------------------|
| 923579000 | GR-579/L/90/WP | 1 | ✓ | ✓ | — | IP66 | 2x4.8V/1.5Ah Ni-Cd | 1.5 h | 2x9W/2x9.5VA | 2 x 680m / 2 x 340m |
| 923579001 | GR-579/L/180/WP | 1 | ✓ | ✓ | — | IP66 | 2x4.8V/3Ah Ni-Cd | 3 h | 2x9W/2x9.5VA | 2 x 680m / 2 x 340m |
| 923577005 | GR-577/L/15/ST/WP | 2 | ✓ | ✓ | — | IP65 | 4.8V/1.5Ah | 1.5 h | 9W/9.5VA | 680/340m |
| 923577006 | GR-577/L/18/ST/WP | 2 | ✓ | ✓ | — | IP65 | 4.8V/1.5Ah | 1.5 h | 11.2W/11.7VA | 850/425m |
| 923578006 | GR-578/L/15/ST/WP | 2 | ✓ | ✓ | — | IP65 | 4.8V/3Ah | 3 h | 9.5W/10VA | 680/390m |
| 923578007 | GR-578/L/18/ST/WP | 2 | ✓ | ✓ | — | IP65 | 4.8V/3Ah | 3 h | 12W/12.5VA | 850/425m |

GR-XXX/L/XX/ST/WP/O All the above models can be manufactured as single sided with aluminum backplate.
GR-XXX/L/XX/ST/WP/B All the above models can be manufactured with xenon red beacon on top.

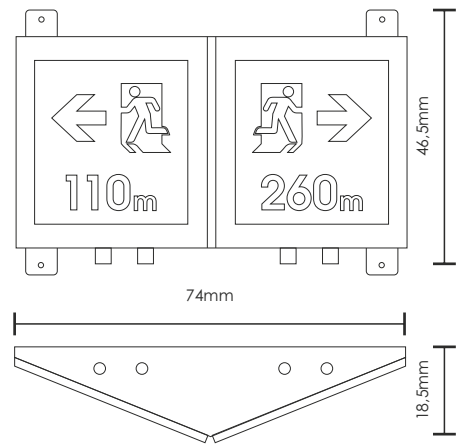
| BATTERIES | | |
|-----------|----------|----------------------------|
| CODE | TYPE | DESCRIPTION |
| 601214815 | B-973/HT | Battery 2x4.8V/1.5Ah Ni-Cd |
| 601214815 | B-973/HT | Battery 4.8V/1.5Ah Ni-Cd |
| 601133640 | B-975/HT | Battery 4.8V/3Ah Ni-Cd |

Mounting method for GR-579/L/90/WP, GR-579/L/180/WP

Wall mounting

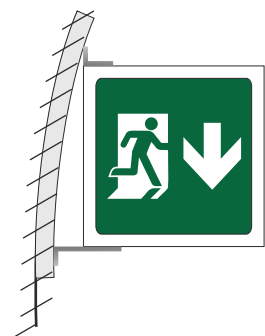


Dimensions



Mounting method for GR-577/L/15/ST/WP, GR-577/L/18/ST/WP, GR-578/L/15/ST/WP, GR-578/L/18/ST/WP

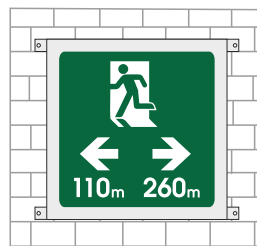
Double sided luminaire with exit marking sign mounted vertically to the wall with a base adapted to the geometry of the tunnel.



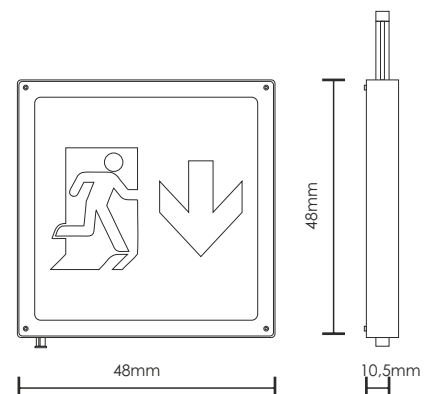
Double sided luminaire mounted vertically to the wall with emergency telephone marking sign.



Single sided luminaire mounted parallel to the wall with marking distances from the escape routes.



Dimensions



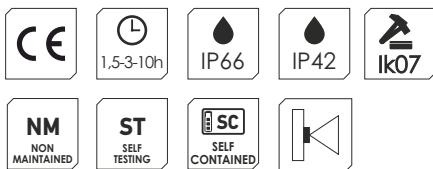


POWER LED LIGHT

The emergency luminaires of the Power Light series are designed with large, industrial areas in mind. Two independently adjustable lenses and high power led light sources enable the luminaires of the series to better illuminate each installation space, satisfying the most demanding specifications. They are characterized by a robust construction with an impact rating of IK10 while the available versions with an

increased IP 65 rating are suitable for environmentally burdened spaces. The luminaires also come in versions with 1,5 and 3 hours of autonomy.

The Power Light series is suitable for large open areas with high ceilings such as warehouses and logistic centers, car parking, and large industrial installations.



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PRESENTS



POWER LED LIGHT



| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Light Source | Mains/Emergency | kg |
|-----------|-----------------|-------|----|---|----|------|--------------|-------|----------------|--------------|-----------------|----------|
| 923021031 | GRL-21 | 1 | — | — | ✓ | IP42 | 6V/4Ah Pb | 1,5 h | 5,6W/7,5VA | 2x42 Leds | 790 lm | 2210 gr. |
| 923021040 | GRL-21/H/90 | 1 | — | — | ✓ | IP42 | 12V/7Ah Pb | 1,5 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 4303 gr. |
| 923021042 | GRL-21/H/180 | 1 | — | — | ✓ | IP42 | 2x12V/7Ah Pb | 3 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 6781 gr. |
| 923022100 | GRL-22 | 3 | — | — | ✓ | IP42 | 12V/7Ah Pb | 10 h | 16VA | 84 Leds | 710 lm | 3270 gr. |
| 923021041 | GRL-21/H/90/WP | 2 | — | — | ✓ | IP65 | 12V/7Ah Pb | 1,5 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 3587 gr. |
| 923021043 | GRL-21/H/180/WP | 2 | — | — | ✓ | IP65 | 2x12V/7Ah Pb | 3 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 6065 gr. |
| 923037002 | GRL-37/90* | 1 | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 1,5 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 4383 gr. |
| 923037005 | GRL-37/180* | 1 | ✓ | — | ✓ | IP42 | 2x12V/7Ah Pb | 3 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 6544 gr. |
| 923029009 | GRL-29 | 1 | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 3 h | 12,6W / 13,1VA | 2x84 Leds | 1760 lm | 3658 gr. |
| 923038000 | GRL-38/90/M | 1 | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 1,5 h | 13,3W/14VA | 2x1COB Leds | 3000 lm | 4407 gr. |
| 923037004 | GRL-37/90/WP* | 2 | ✓ | — | ✓ | IP65 | 12V/7Ah Pb | 1,5 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 4602 gr. |
| 923037006 | GRL-37/180/WP* | 2 | ✓ | — | ✓ | IP65 | 2x12V/7Ah Pb | 3 h | 13,3W/14VA | 2x6P Leds | 3200 lm | 6763 gr. |
| 923029010 | GRL-29/WP | 2 | ✓ | — | ✓ | IP65 | 12V/7Ah Pb | 3 h | 12,6W/13,1VA | 2x84 Leds | 1760 lm | 3888 gr. |

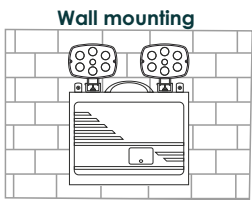
SINGLE-SIDE PICTOGRAMS FOR GRL-22

| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
|-----------|------------|---------------------------------------|----------|-----------|
| 807008019 | S-00800/LO | Marking overlay with left indication | ✓ | |
| 807008017 | S-00800/RO | Marking overlay with right indication | ✓ | |
| 807008021 | S-00800/DO | Marking overlay with down indication | ✓ | |
| 807008023 | S-00800/UO | Marking overlay with up indication | — | |

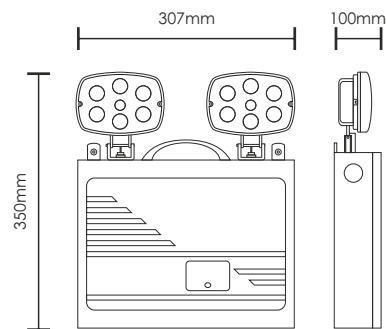
BATTERIES

| CODE | TYPE | DESCRIPTION |
|-----------|-------|------------------|
| 603000645 | A-988 | Battery 6V/4,5Ah |
| 603001270 | A-986 | Battery 12V/7Ah |

Mounting method

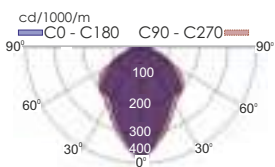


Dimensions Image 1 & 2

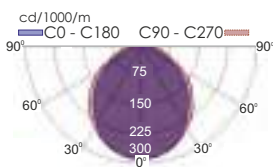


Photometric

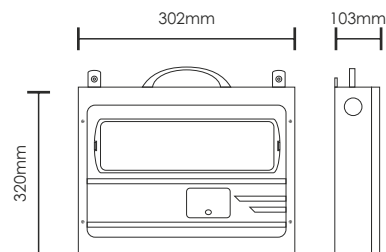
GRL-21/H, GRL-37, GRL-38



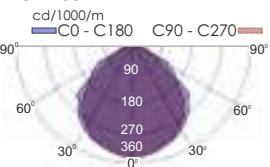
GRL-21, GRL-22, GRL-29



Dimensions Image 3



GRL-38



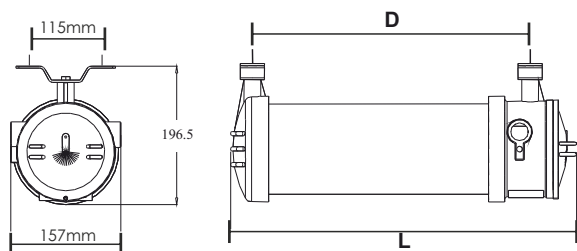


- Designed for installation in explosive atmospheres
- The main body is constructed of aluminum (painted yellow, RAL-1003) and the diffuser from polycarbonate with UV-protection or with special durable glass.
- The luminaires that contain batteries have a charge indicator and connector for installing a remote test button.

General characteristics

- Ni-Cd batteries
- High power illumination
- Suitable for explosive gas atmospheres and explosive dust atmospheres
- IP66, IK05 & IK07 degrees of cover protection
- Charge indication LED
- Construction material: Aluminum and Polycarbonate or Aluminum and glass
- 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

Dimensions



| CATEGORY | Dimensions DxL |
|----------|-------------------|
| E1 | 375mmx485mm |
| E2 | 640mmx750mm |

ANTIEXPLOSIVE LED LIGHT



Polycarbonate Glass

1-3h IP66 CE Ik07 Ik05

Ex db IIC T6 Gb
Ex tb IIIC T85 Db

Ex

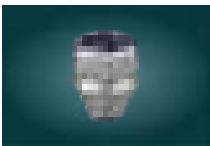
| CODE | TYPE | ST | M | NM | IP66 | 6V/1,6Ah | 1 h | < 130mA | DIFFUSER | Mains/ Emergency | DIMENSIONS | kg |
|-----------|------------|----|---|----|------|------------|-----|---------|---------------|---------------------|------------|-----------|
| 923411701 | PTD1700XP | ✓ | ✓ | ✓ | IP66 | 6V/1,6Ah | 1 h | < 130mA | Polycarbonate | 2100/750lm | E1 | 4.600 gr. |
| 923412703 | PTD2700XP | — | ✓ | ✓ | IP66 | 6V/1,6Ah | 1 h | < 190mA | Polycarbonate | 4600/750lm | E2 | 5.900 gr. |
| 923412707 | PTD2700XP3 | — | ✓ | ✓ | IP66 | 6V/4Ah | 3 h | < 200mA | Polycarbonate | 4600/750lm | E2 | 6.300 gr. |
| 923411703 | GTD1700XP | — | ✓ | ✓ | IP66 | 6V/1,6Ah | 1 h | < 130mA | Glass 5mm | 2400/800lm | E1 | 5.400 gr. |
| 923412711 | GTD2700XP | — | ✓ | ✓ | IP66 | 6V/1,6Ah | 1 h | < 190mA | Glass 5mm | 4800/800lm | E2 | 6.600 gr. |
| 923412715 | GTD2700XP3 | — | ✓ | ✓ | IP66 | 6V/4Ah | 3 h | < 200mA | Glass 5mm | 4800/800lm | E2 | 7.000 gr. |
| 923411401 | PTD1400X | — | — | ✓ | IP66 | 3,6V/1,6Ah | 1 h | < 25mA | Polycarbonate | 350lm | E1 | 4.745 gr. |
| 923412701 | PTD2700X | — | — | ✓ | IP66 | 6V/1,6Ah | 1 h | < 25mA | Polycarbonate | 750lm | E2 | 5.800 gr. |
| 923411403 | PTD1400X3 | — | — | ✓ | IP66 | 3,6V/4Ah | 3 h | < 30mA | Polycarbonate | 350lm | E1 | 4.700 gr. |
| 923412705 | PTD2700X3 | — | — | ✓ | IP66 | 6V/4Ah | 3 h | < 35mA | Polycarbonate | 750lm | E2 | 6.200 gr. |
| 923411405 | GTD1400X | — | — | ✓ | P66 | 3,6V/1,6Ah | 1 h | < 25mA | Glass 5mm | 400lm | E1 | 5.300 gr. |
| 923412709 | GTD2700X | — | — | ✓ | IP66 | 6V/1,6Ah | 1 h | < 25mA | Glass 5mm | 800lm | E2 | 6.500 gr. |
| 923411407 | GTD1400X3 | — | — | ✓ | IP66 | 3,6V/4Ah | 3 h | < 30mA | Glass 5mm | 400lm | E1 | 5.500 gr. |
| 923412713 | GTD2700X3 | — | — | ✓ | IP66 | 6V/4Ah | 3 h | < 35mA | Glass 5mm | 800lm | E2 | 6.900 gr. |

SINGLE-SIDE PICTOGRAMS

| CODE | TYPE | DESCRIPTION | INCLUDED | ON DEMAND |
|-----------|-------|---------------------------------------|----------|-----------|
| 705690016 | S65/L | Marking overlay with left indication | ✓ | |
| 705690017 | S65/R | Marking overlay with right indication | ✓ | |
| 705690018 | S65/D | Marking overlay with down indication | ✓ | |
| 705690019 | S65/U | Marking overlay with up indication | | ✓ |

INCLUDED IN THE PACKAGE

| CODE | TYPE | DESCRIPTION | kg |
|-----------|-------|-----------------|-----------|
| 751500102 | NPT34 | Sealing grommet | 105,5 gr. |
| 808700069 | A-FSA | Mounting base | 156,5 gr. |



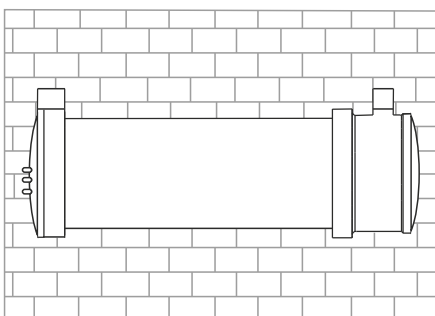
NPT34



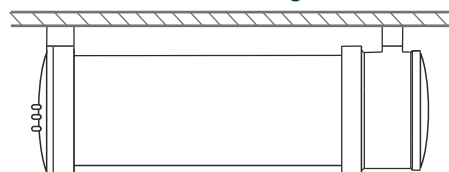
A-FSA

Mounting methods

Wall mounting



Ceiling installation with A-FSA mounting base





SPOT LIGHT

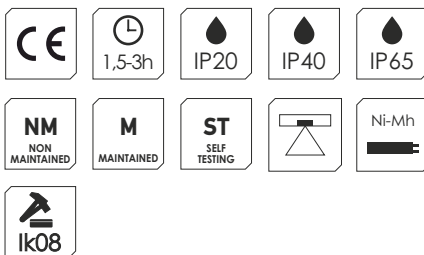
Olympia Electronics's SpotLight luminaires are designed to provide safety illumination with lenses appropriately designed for use in either open areas or escape routes.

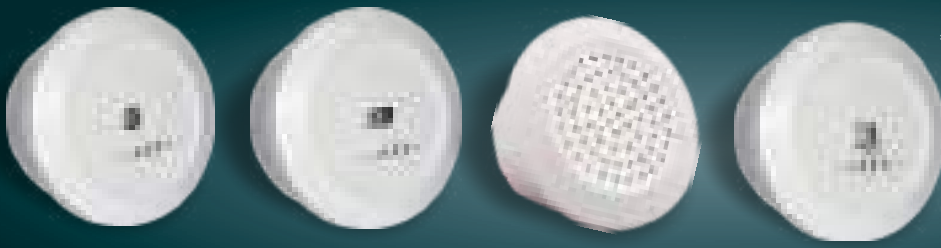
The GRL-2XX series of the SpotLight family of luminaires finds application in installations that require the discreet presence of safety luminaires such as hotels and high-rise apartment buildings, while the GR-4XX range can be used to meet safety lighting requirements in sports or industrial installations, providing easy cabling to the electrician installer. SpotLight family lamps are divided into two basic versions:

- GR-2XX: suitable for recessed installation in suspended ceilings and use in large spaces with high ceilings, where the discreet presence of luminaires is required

- GR-4XX: designed for installation under cable trays and for use in industrial or parking spaces.

The SpotLight family of luminaires is available in versions with IP40 and IP42 or IP65 degree of waterproof for use in harsh environmental conditions, while there are versions with a range of 1.5 or 3 hours. In addition, the GR-29X / M / HL luminaire series is suitably designed for recessed installation in areas with high ceilings where a range of 3 hours is required.





1 Open areas 2 Escape routes 3 Open areas/Escape routes 4 Points of interest



SPOT LIGHT



ST
 SELF TESTING

1,5-3h

IP20

IP40

IP65

Ni-Mh

| CODE | TYPE | IMAGE | ST | M | NM | Water | Battery | Time | Power | Mains/Emergency | INSTALLATION | kg |
|-----------|------------------|-------|----|---|----|-------|------------------|-------|------------|-----------------|---------------------------|---------|
| 923291007 | GR-291/M | 1 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 4,3W/4,7VA | 300 lm | Open areas | 543 gr. |
| 923293003 | GR-293/M | 1 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 4,3W/4,7VA | 150 lm | Open areas | 543 gr. |
| 923290006 | GR-290/M | 2 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 4,3W/4,7VA | 300 lm | Escape routes | 543 gr. |
| 923292003 | GR-292/M | 2 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 4,3W/4,7VA | 150 lm | Escape routes | 543 gr. |
| 923291008 | GR-291/WP/M | 1 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 4,3W/4,7VA | 300 lm | Open areas | 543 gr. |
| 923293004 | GR-293/WP/M | 1 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 4,3W/4,7VA | 150 lm | Open areas | 543 gr. |
| 923290007 | GR-290/WP/M | 2 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 4,3W/4,7VA | 300 lm | Escape routes | 543 gr. |
| 923292004 | GR-292/WP/M | 2 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 4,3W/4,7VA | 150 lm | Escape routes | 543 gr. |
| 923292007 | GR-292/M/HL | 2 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 3 h | 4,9W/5,2VA | 330 lm | Escape routes | 818 gr. |
| 923293007 | GR-293/M/HL | 1 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 3 h | 4,9W/5,2VA | 330 lm | Open areas | 818 gr. |
| 923271000 | GR-271* | 1 | — | — | ✓ | IP40 | 3,6V/1,2Ah Ni-Mh | 1,5 h | 2,4W/2,7VA | 160 lm | Open areas | 450 gr. |
| 923273000 | GR-273* | 1 | — | — | ✓ | IP40 | 3,6V/1,2Ah Ni-Mh | 3 h | 2,4W/2,7VA | 120 lm | Open areas | 450 gr. |
| 923270000 | GR-270* | 2 | — | — | ✓ | IP40 | 3,6V/1,2Ah Ni-Mh | 1,5 h | 2,4W/2,7VA | 160 lm | Escape routes | 450 gr. |
| 923272000 | GR-272* | 2 | — | — | ✓ | IP40 | 3,6V/1,2Ah Ni-Mh | 3 h | 2,4W/2,7VA | 120 lm | Escape routes | 450 gr. |
| 923290008 | GR-290/WP | 2 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | Escape routes | 456 gr. |
| 923291009 | GR-291/WP | 1 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | Open areas | 456 gr. |
| 923292005 | GR-292/WP | 2 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | Escape routes | 456 gr. |
| 923293005 | GR-293/WP | 1 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | Open areas | 456 gr. |
| 923290000 | GR-290** | 2 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | Escape routes | 456 gr. |
| 923291000 | GR-291** | 1 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | Open areas | 456 gr. |
| 923292000 | GR-292** | 2 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | Escape routes | 456 gr. |
| 923293000 | GR-293** | 1 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | Open areas | 456 gr. |
| 923298000 | GR-298/30L/180 | 3 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,3W/3,7VA | 220 lm | Open areas/ Escape routes | 535 gr. |
| 923298001 | GR-298/60L/90 | 3 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,3W/3,7VA | 450 lm | Open areas/ Escape routes | 535 gr. |
| 923298003 | GR-298/60L/90/WP | 3 | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,3W/3,7VA | 450 lm | Open areas/ Escape routes | 535 gr. |
| 923297000 | GR-297/60L/180 | 3 | — | ✓ | — | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 5,9W/7,3VA | 350/110 lm | Open areas/ Escape routes | 535 gr. |
| 923266000 | GR-266/M | 4 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 4,3W/4,7VA | 300 lm | Points of interest | 442 gr. |
| 923267000 | GR-267/M | 4 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 4,3W/4,7VA | 150 lm | Points of interest | 442 gr. |

BATTERIES

| CODE | TYPE | DESCRIPTION |
|-----------|--------------|--------------------------|
| 601134840 | B-936/HT60SC | Battery 4,8V/4Ah Ni-Mh |
| 601104812 | C-930/HT | Battery 4,8V/1,2Ah Ni-Mh |
| 601103612 | A-965/HT | Battery 3,6V/1,2Ah Ni-Mh |

Mounting methods

Ceiling mounting

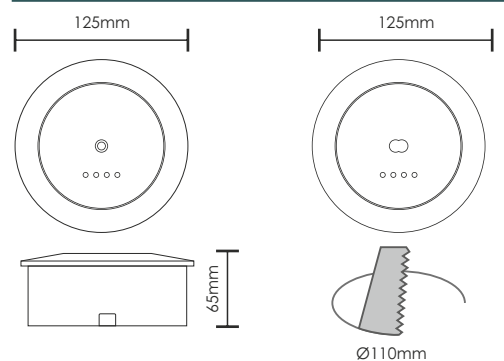


GR-290, GR-292, GR-270, GR-272



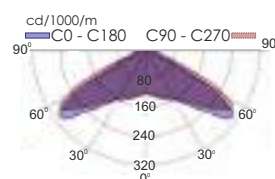
GR-291, GR-293, GR-271, GR-273

Dimensions

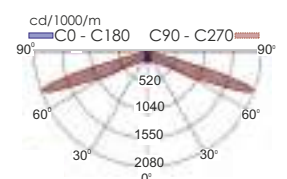


Photometric

GR-291 & GR-293



GR-290 & GR-292





1 Open areas

2

With two interchangeable lenses.
One for corridor and one for open areas



2

KIT-77/84

SPOT LIGHT

- ST**
SELF TESTING
- 🕒 1,5-3h
- 💧 IP40
- Ni-Mh
- ⬆️

| CODE | TYPE | IMAGE | ST | M | NM | 💧 | 🔋 | 🕒 | ⚡ | 🏠 Mains/ Emergency | 📦 kg |
|-----------|--------------|-------|----|---|----|------|------------------|-------|------------|-----------------------|---------|
| 923220000 | GR-220/DUO/M | 1 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 4,3W/4,7VA | 300 lm | 474 gr. |
| 923221000 | GR-221/DUO/M | 1 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 4,3W/4,7VA | 150 lm | 474 gr. |
| 923084001 | KIT-77/84* | 2 | — | — | — | IP20 | 4,8V/1,2Ah Ni-Mh | 3 h | 2,5W/6VA | 140 lm | 262 gr |

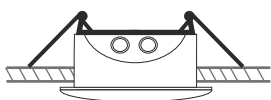
*The KIT contains GR-77 electronic ballast, GR-84 emergency luminaire & Ni-Mh battery

BATTERIES

| CODE | TYPE | DESCRIPTION |
|-----------|----------|--------------------------|
| 601104812 | C-930/HT | Battery 4,8V/1,2Ah Ni-Mh |

Mounting methods

Ceiling mounting



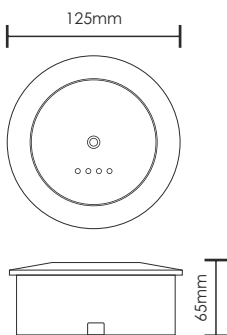
Lens for escape routes



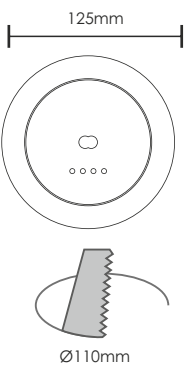
Lens for open areas

Dimensions

GR-220

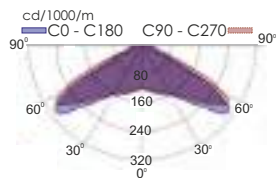


GR-221

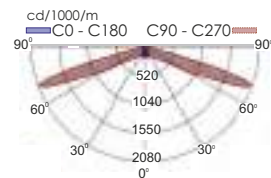


Photometric

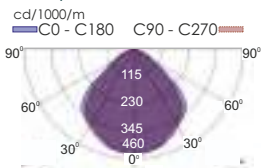
Lens for open area



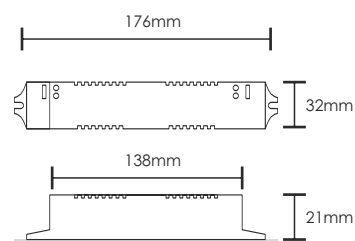
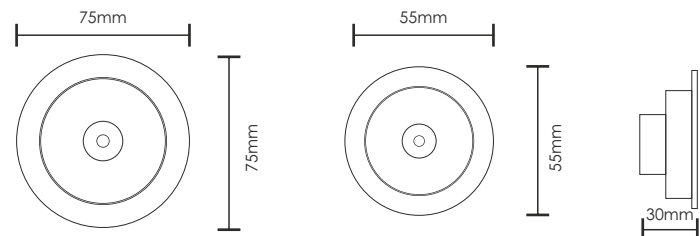
Lens for escape routing



KIT-77/84



KIT-77/84*



TETRAGONO LIGHT



| CODE | TYPE | ST | M | NM | ☔ | 🔋 | 🕒 | ⚡ | 🏠 Mains/Emergency | INSTALLATION | 📦 kg |
|-----------|-----------|----|---|----|------|------------------|-------|------------|-------------------|---------------|---------|
| 923491001 | GR-491 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | 280 lm | Open areas | 843 gr. |
| 923493001 | GR-493 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | 140 lm | Open areas | 843 gr. |
| 923490001 | GR-490 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | 280 lm | Escape routes | 843 gr. |
| 923492001 | GR-492 | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | 140 lm | Escape routes | 843 gr. |
| 923491000 | GR-491/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | 280 lm | Open areas | 852 gr. |
| 923493000 | GR-493/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | 140 lm | Open areas | 852 gr. |
| 923490000 | GR-490/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | 280 lm | Escape routes | 852 gr. |
| 923492000 | GR-492/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | 140 lm | Escape routes | 852 gr. |
| 923471001 | GR-471 | — | — | ✓ | IP42 | 3,6V/1Ah Ni-Cd | 1,5 h | 2,6W/2,9VA | 145 lm | Open areas | 727 gr. |
| 923473001 | GR-473 | — | — | ✓ | IP42 | 3,6V/1Ah Ni-Cd | 3 h | 2,6W/2,9VA | 80 lm | Open areas | 727 gr. |
| 923470001 | GR-470 | — | — | ✓ | IP42 | 3,6V/1Ah Ni-Cd | 1,5 h | 2,6W/2,9VA | 145 lm | Escape routes | 727 gr. |
| 923472001 | GR-472 | — | — | ✓ | IP42 | 3,6V/1Ah Ni-Cd | 3 h | 2,6W/2,9VA | 80 lm | Escape routes | 727 gr. |
| 923471000 | GR-471/WP | — | — | ✓ | IP65 | 3,6V/1Ah Ni-Cd | 1,5 h | 2,6W/2,9VA | 145 lm | Open areas | 745 gr. |
| 923473000 | GR-473/WP | — | — | ✓ | IP65 | 3,6V/1Ah Ni-Cd | 3 h | 2,6W/2,9VA | 80 lm | Open areas | 745 gr. |
| 923470000 | GR-470/WP | — | — | ✓ | IP65 | 3,6V/1Ah Ni-Cd | 1,5 h | 2,6W/2,9VA | 145 lm | Escape routes | 745 gr. |
| 923472000 | GR-472/WP | — | — | ✓ | IP65 | 3,6V/1Ah Ni-Cd | 3 h | 2,6W/2,9VA | 80 lm | Escape routes | 745 gr. |

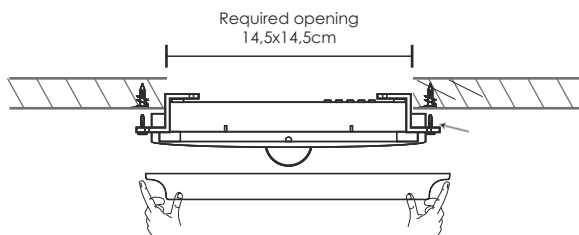
📦 The packaging contains 12pcs.

BATTERIES

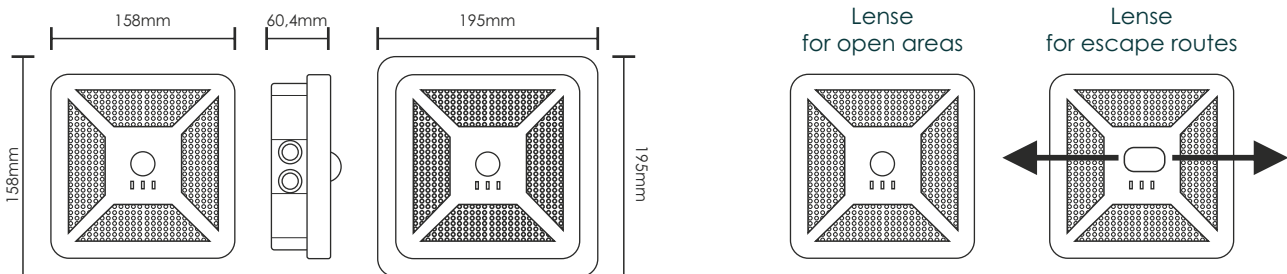
| CODE | TYPE | DESCRIPTION |
|-----------|----------|------------------------------|
| 601104812 | C-930/HT | Battery 4,8V/1,2Ah Ni-Mh |
| 601223610 | A-938/HT | Battery Ni-Cd 3,6V/1Ah Ni-Cd |

Mounting methods

Ceiling mounting

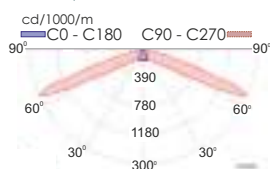


Dimensions

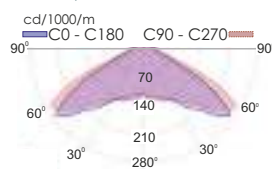


Photometric

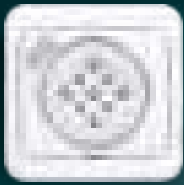
GR-4x0, GR-4x2



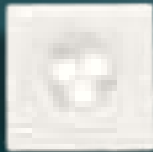
GR-4x1, GR-4x3



WEATHER SPOTLIGHT



1



2



3



| CODE | TYPE | IMAGE | RECHARGEABLE | M | NM | IP | Battery | Runtime | Power | Mains/Emergency | Weight |
|-----------|--------------------|-------|--------------|---|----|------|-------------------|---------|-------|-----------------|-----------|
| 923083001 | GR-83 | 1 | ✓ | — | ✓ | IP40 | 3,6V/120mAh Ni-Mh | 3 h | 2VA | 4 white LED | 99 gr. |
| 923080001 | GR-80/W | 1 | — | — | — | IP65 | — | — | 6VA | 9 LED | 100,5 gr. |
| 923080002 | GR-80/W/SL* | 1 | — | — | — | IP65 | — | — | 6VA | 9 LED | 103,5 gr. |
| 923080013 | GR-80/WW** | 1 | — | — | — | IP65 | — | — | 6VA | 9 LED | 103,5 gr. |
| 923082001 | GR-82/230V | 2 | ✓ | ✓ | — | IP40 | 3,6V/120mAh Ni-Mh | 3 h | 4VA | 1 lm / 22 lm | 99,5 gr. |
| 923082006 | GR-82/230V/SQ** | 2 | ✓ | ✓ | — | IP40 | 3,6V/120mAh Ni-Mh | 3 h | 4VA | 1 lm / 22 lm | 115 gr. |
| 923082002 | GR-82/WP/230V | 3 | ✓ | ✓ | — | IP65 | 3,6V/120mAh Ni-Mh | 3 h | 4VA | 1 lm / 22 lm | 115 gr. |
| 923082009 | GR-82/WP/230V/SQ** | 3 | ✓ | ✓ | — | IP65 | 3,6V/120mAh Ni-Mh | 3 h | 4VA | 1 lm / 22 lm | 125 gr. |

* GR-80/W/SL - Silver case

** Initials SQ stand for square case

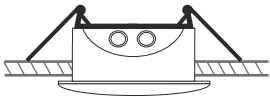
The packaging contains 100pcs.

BATTERIES

| CODE | TYPE | DESCRIPTION |
|-----------|-------|---------------------------|
| 601103601 | A-947 | Battery 3,6V/120mAh Ni-Mh |

Mounting methods

Ceiling mounting



Dimensions

Image 1

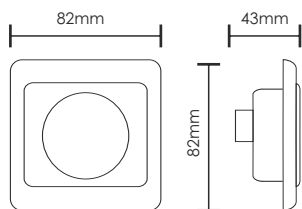


Image 2

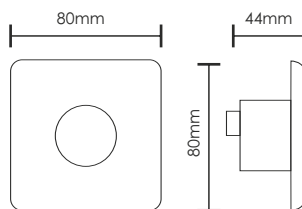
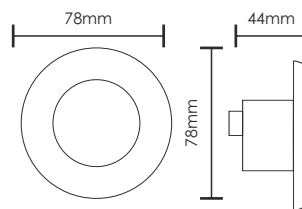
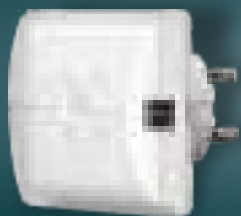


Image 3





1
GR-60



2
GR-11

HOME LIGHT



| CODE | TYPE | IMAGE | RECHARGEABLE | M | NM | IP | Battery | Runtime | Power | Mains/Emergency | Weight |
|-----------|-------|-------|--------------|---|----|------|-------------------|----------|-------|-----------------|---------|
| 923060000 | GR-60 | 1 | ✓ | ✓ | — | IP20 | 3,6V/1Ah Ni-Cd | 4 - 14 h | 3VA | 40m/23-95lm | 539 gr. |
| 923011000 | GR-11 | 2 | ✓ | ✓ | — | IP20 | 3,6V/120mAh Ni-MH | 3 h | 3VA | - | 85 gr. |

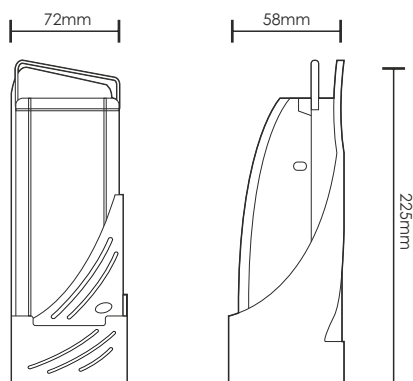
The GR-60 packaging contains 20pcs and the GR-11 10pcs.

BATTERIES

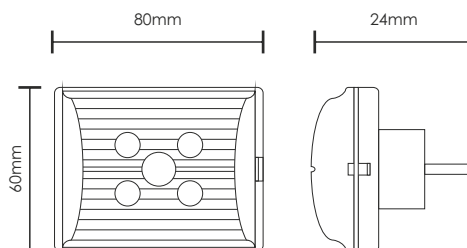
| CODE | TYPE | DESCRIPTION |
|------------|----------|---------------------------|
| 601233610 | A-931/HT | Battery 3,6V/1Ah Ni-Cd |
| *601103601 | A-947 | Battery 3,6V/120mAh Ni-Mh |

Dimensions

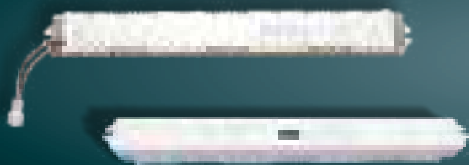
GR-60



GR-11



CONVERTERS



CONVERTERS FOR FLUORESCENT LUMINARIES

PROGRAMMABLE COMMON TO EMERGENCY LUMINARY CONVERTER FOR FLUORESCENT LAMPS T5/T8 6-80W 220-240V AC / 50-60Hz (without battery)

| CODE | TYPE | DESCRIPTION | | | | | |
|-----------|---------|---|------|-----------------------|---------|------|---------|
| 960100400 | GR-1004 | Programmable converter for fluorescent tubes 90min lamps 80W T5 | IP20 | 4,8 - 8,4 V/1,5 - 4Ah | 1 - 3 h | 13VA | 129 gr. |

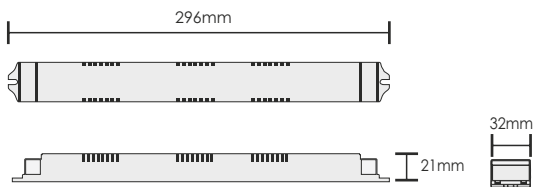
NON PROGRAMMABLE CONVERTERS FOR FLUORESCENT LAMPS T5/T8 6-80W 220-240V AC / 50-60Hz

| CODE | TYPE | DESCRIPTION | | | | | |
|-----------|--------------|--|------|------------|-------|------|---------|
| 960100461 | GR-1004-A/61 | Converter for fluorescent tubes with battery | IP20 | 4,8V/1,5Ah | 1,5 h | 13VA | 418 gr. |
| 960100462 | GR-1004-B/62 | Converter for fluorescent tubes with battery | IP20 | 4,8V/3Ah | 3 h | 13VA | 510 gr. |
| 960100471 | GR-1004-C/71 | Converter for fluorescent tubes with battery | IP20 | 8,4V/1,5Ah | 1,5 h | 13VA | 520 gr. |
| 960100472 | GR-1004-D/72 | Converter for fluorescent tubes with battery | IP20 | 8,4V/3Ah | 3 h | 13VA | 695 gr. |
| 960100481 | GR-1004-E/81 | Converter for fluorescent tubes with battery | IP20 | 6V/1,5Ah | 1,5 h | 13VA | 235 gr. |
| 960100482 | GR-1004-F/82 | Converter for fluorescent tubes with battery | IP20 | 6V/3Ah | 3 h | 13VA | 360 gr. |

| 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 | 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(T5) | 36W(T8) | 36W (CFL) | 49W(T5) | 54W(T5) | 55W(CFL) | 58W(T8) | 80W(T5) | Duration |
|--------------|--------------|---------|---------|-----------|-----------|----------|-----------|----------|----------|-----------|----------|-----------|-----------|---------|---------|-----------|---------|---------|----------|---------|---------|----------|
| 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 |

Dimensions



| BATTERIES | | |
|-----------|----------|-----------------------------------|
| CODE | TYPE | DESCRIPTION |
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah HT Ni-Cd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah Ni-Cd |
| 923071000 | GR-71 | Set of batteries Ni-Cd 8,4V/1,5Ah |
| 923072000 | GR-72 | Set of batteries Ni-Cd 8,4V/3Ah |
| 923081000 | GR-81 | Set of batteries Ni-Cd 6V/1,5Ah |
| 923082015 | GR-82 | Set of batteries Ni-Cd 6V/3Ah |

CONVERTERS FOR LED LUMINARIES



PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINARY CONVERTER 4,8V 1,5Ah/3Ah (LED volt output 12-58V DC / batteries are not included)

| CODE | TYPE | | | | | |
|-----------|--------------|------|------------------|------------|-----------|---------|
| 960110700 | GR-1107/60V* | IP20 | 4,8V / 1,5 / 3Ah | 1,5 or 3 h | 4,75W/5VA | 135 gr. |

PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINARY CONVERTER 220-240V AC/ 50-60Hz (LED volt output 12-58V DC with capability to connect 4,8V/1,5 Ah or 3Ah battery)

| CODE | TYPE | | | | | |
|-----------|-----------------------|------|--------------|-----|-----------|-----------|
| 960110701 | GR-1107/60V/B-973/HT* | IP20 | 4,8V / 1,5Ah | 1,5 | 4,75W/5VA | 391,5 gr. |
| 960110702 | GR-1107/60V/B-941/HT* | IP20 | 4,8V / 3Ah | 3 h | 4,75W/5VA | 477 gr. |

PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINARY CONVERTER 4,8V 1,5Ah/3Ah (LED volt output 50-100V DC / batteries are not included)

| CODE | TYPE | | | | | |
|-----------|--------------|------|--------------------|------------|-----------|---------|
| 960110705 | GR-1107/100V | IP20 | 4,8V / 1,5Ah / 3Ah | 1,5 or 3 h | 4,75W/5VA | 135 gr. |

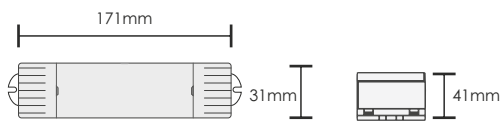
PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINARY CONVERTER 4,8V 1,5Ah/3Ah (LED volt output 50-100V DC)

| CODE | TYPE | | | | | |
|-----------|-----------------------|------|--------------|-----|-----------|---------|
| 960110706 | GR-1107/100V/B-973/HT | IP20 | 4,8V / 1,5Ah | 1,5 | 4,75W/5VA | 391 gr. |
| 960110707 | GR-1107/100V/B-941/HT | IP20 | 4,8V / 3Ah | 3 h | 4,75W/5VA | 477 gr. |

PROGRAMMABLE COMMON LED LUMINAIRE TO EMERGENCY LED LUMINARY CONVERTER 4,8V 1,5Ah

| CODE | TYPE | | | | | |
|-----------|--------------------------|------|--------------|------------|-----------|---------|
| 960110710 | GR-1107/100V/B-973/HT/3H | IP20 | 4,8V / 1,5Ah | default 3h | 4,75W/5VA | 392 gr. |

Dimensions



BATTERIES

| CODE | TYPE | DESCRIPTION |
|-----------|----------|----------------------------|
| 601214815 | B-973/HT | Battery 4,8V/1,5Ah HT NiCd |
| 601214830 | B-941/HT | Battery 4,8V/3Ah NiCd |



ADDRESSABLE LIGHT

GR-6500 Addressable panel

- Up to 250 addressable emergency luminaires can be connected
- Inhibit function for all luminaires
- Single Luminaire Monitoring: monitors the control circuit, the light source (ledstripe) 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)

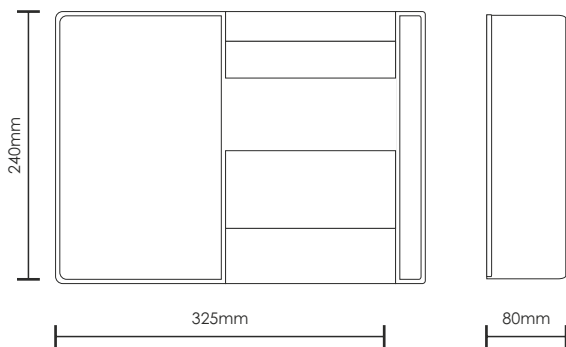




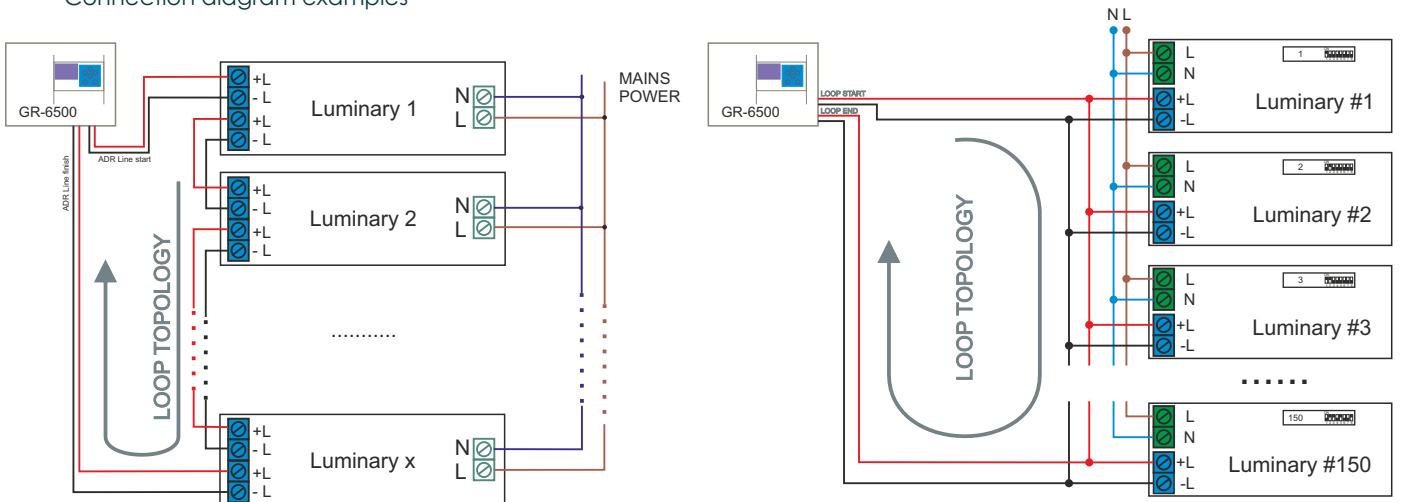
KM640086
BS EN 62034







*They have BSI certification

Dimensions




Connection diagram examples



| CODE | TYPE | DESCRIPTION |  |  Pb |  |  |  |  kg |
|-----------|----------|-------------------|---|--|---|---|---|--|
| 923650001 | GR-6500* | Addressable panel | IP30 | 12V / 7Ah | >3h | 25W / 35 VA | - | 1605,5 gr. |



| ACCESSORIES | | | | |  kg |
|-------------|---------|--|--|-----------|--|
| CODE | TYPE | DESCRIPTION | | ON DEMAND | |
| 923607900 | GR-6079 | Addressable module for LED GR-1107xx and fluorescent lamp converters GR-1004xx | | ✓ | 31 gr. |
| 923853000 | GR-8530 | Network Ethernet adaptor | | ✓ | 154 gr. |



GR-6079



GR-8530

GR-6500 Addressable panel

- Up to 250 addressable emergency luminaires
- Inhibit function for all luminaires
- 16 zones
- Ethernet connectivity
- The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- 25W / 35VA max. power consumption
- 12V / 7Ah battery
- 3h autonomous duration

Hardware related specifications:

- Up to 250 addressable luminaires in total (150 per loop)
- 4 monitored outputs dedicated for connecting the address communication lines that can be connected with 3 methods:
 - a. 2 loops (2 circular connections of address communication lines, with maximum 150 addressable luminaires per loop) – loop connection is always recommended
 - b. 4 independent lines or star connections (50 devices maximum per line) – only for smaller/shorter cable runs
 - c. Combined (1 loop + 2 independent lines) – flexible solution
- LED indications for operating modes, tests, faults, other
- LCD backlit display capable of multiple line text, with 4 informational sections in main screen (mode, status, luminary status, time/date)
- Easy to use keypad
- 220-240VAC/50-60Hz mains input power supply, with 25VA power consumption
- 12V/7Ah lead-acid battery for backup operation (>3h duration)
- Relay contacts for Operation / Emergency / Fault state that can be used as an input for other safety or informative equipment
- Polycarbonate ABS casing, IP 30

Firmware related specifications:

- Constant monitoring of emergency lighting fittings with live view of events/faults
- 16 zones for grouping addressable luminaires, capable of performing test per zone
- Log of the latest 250 events on the system
- Programmable function test (lamp) that can run repeatedly (every day, every weekday, every weekend, etc) on a specific time.
- Programmable capacity test that can run 1 or 2 times per year on a specific date and time.
- Automatic scanning and registering all found addressable luminaires
- Option to disable segments

Other specifications:

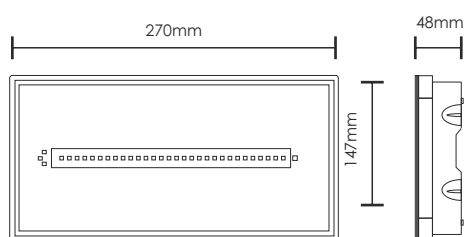
- Ethernet network connectivity (with card GR-8530 – optional), that provides remote monitoring and control of the GR-6500 panel, over a local area network, via a common web browser (Firefox, Chrome, Opera, etc).
- USB communication port, that can be used to transfer a configuration file to or from the PC Software "GR-6500", where the user can easily perform settings, set devices names and keep backup files. Can also be used for possible future firmware upgrades.

ADDRESSABLE OLYMPUS LIGHT



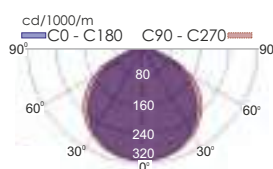
| CODE | TYPE | IMAGE | ST | M | NM | Water | Battery | Timer | Beam | Mains/Emergency | kg |
|-----------|---------------------------------|-------|----|---|----|-------|----------------|----------|------------|---------------------------|---------|
| 923100401 | OLY-1004/WP/ADR HIGH LUMINOCITY | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 300/350 300/295 300/95lm | 958 gr. |
| 923100404 | OLY-1004/ADR HIGH LUMINOCITY | 1 | ✓ | ✓ | ✓ | IP42 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 300/350 300/295 300/95lm | 958 gr. |
| 923102401 | OLY-1024/WP/ADR HIGH LUMINOCITY | 2 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,6W/4,8VA | 300/380 300/320 300/100lm | 953 gr. |
| 923102404 | OLY-1024/ADR HIGH LUMINOCITY | 2 | ✓ | ✓ | ✓ | IP42 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,6W/4,8VA | 300/380 300/320 300/100lm | 953 gr. |

Dimensions

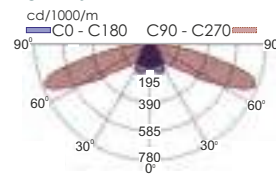


Photometric

OLY-500/1004



OLY-1024



ADDRESSABLE WEATHER LIGHT

ADDRESSABLE LINEAR LIGHT



GR-19XX

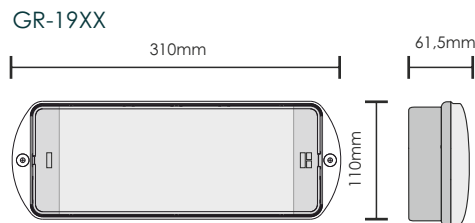


KLIN-20



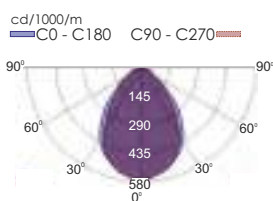
| CODE | TYPE | IMAGE | ST | M | NM | Water | Battery | Time | Power | Mains/Emergency | Weight |
|-----------|------------------|-------|----|---|----|-------|-------------------|---------|------------|----------------------|---------|
| 923193804 | GR-1938/15L/ADR* | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/600mAh Ni-Cd | 1,5 h | 3,4W/3,8VA | 105/105 lm | 738 gr. |
| 923193805 | GR-1938/30L/ADR* | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 1,5 h | 4,5W/4,9VA | 210/210 lm | 811 gr. |
| 923193904 | GR-1939/15L/ADR* | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/1,5Ah Ni-Cd | 3 h | 3,3W/3,7VA | 105/105 lm | 818 gr. |
| 923193905 | GR-1939/30L/ADR* | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 3 h | 5,3W/5,6VA | 210/210 lm | 890 gr. |
| 922502058 | KLIN-20/ST/ADR* | 2 | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Mh | 1-3-8 h | 3,9W/4,4VA | 80/250 80/77 80/12lm | 418 gr. |

Dimensions

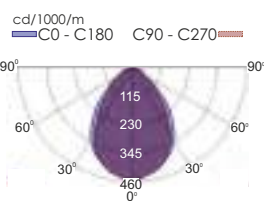


Photometric

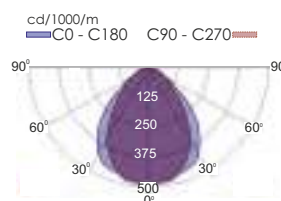
GR-1935_15L



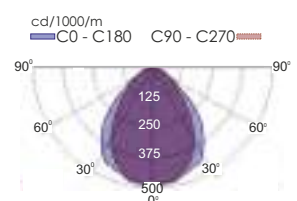
GR-1938-30L



GR-1938-4P



GR-1938-6P



► For accessories & mounting methods go to pages 24-25
► For spacing tables go to pages 166-168

► For accessories & mounting methods go to page 37
► For spacing tables go to page 171

ADDRESSABLE ECO LIGHT



ZLD-xx

ZLD-28 ZLD-34 ZLD-44

CE 16m 30m 38m

Image icon: Running person and arrow

3h IP40 ST SELF TESTING IK07 Ni-Mh

ADR ADDRESSABLE

PLD-28

CE 26m

Image icon: Running person and arrow

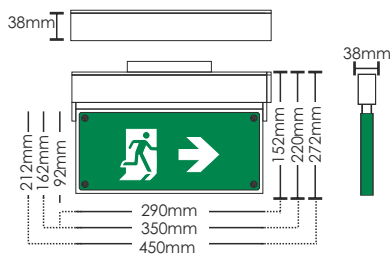
3h IP44 ST SELF TESTING IK09 Ni-Mh

ADR ADDRESSABLE

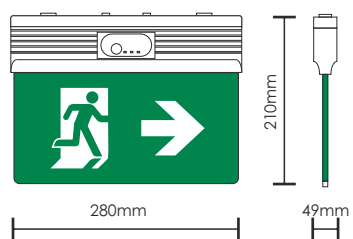
| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|-------------------|-------|----|---|----|------|------------------|------|------------|-----------------|----------|
| 922502862 | ZLD-28/EM/ADR* | 1 | ✓ | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Mh | 3 h | 3,8W/6,5VA | 125/125 lm | 1021 gr. |
| 922503467 | ZLD-34/EM/ADR* | 1 | ✓ | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Mh | 3 h | 4W/6,7VA | 145/125 lm | 1401 gr. |
| 922504458 | ZLD-44/EM/ADR | 1 | ✓ | ✓ | ✓ | IP40 | 3,6V/1,5Ah Ni-Mh | 3 h | 4,3W/6,9VA | 170/125 lm | 1936 gr. |
| 922502515 | PLD-25/NiMh/M/ADR | 2 | ✓ | ✓ | ✓ | IP44 | 3,6V/1,5Ah Ni-Mh | 3 h | 4W/4,4 VA | 90/100 lm | 1084 gr. |

Dimensions

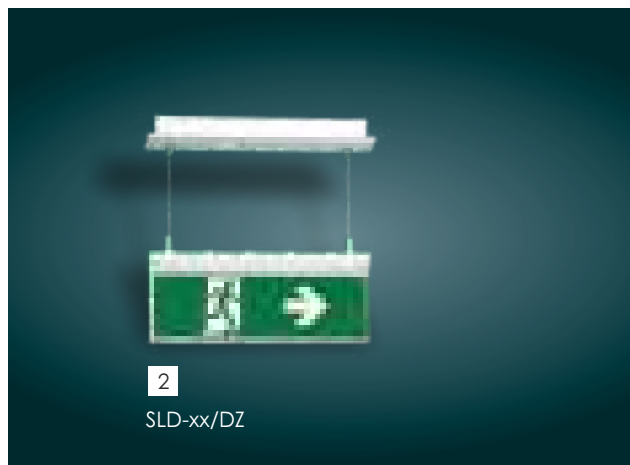
ZLD-xx



PLD-25

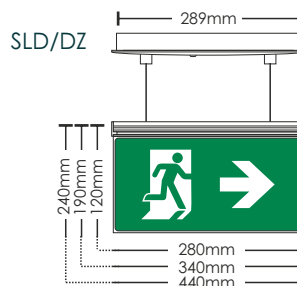
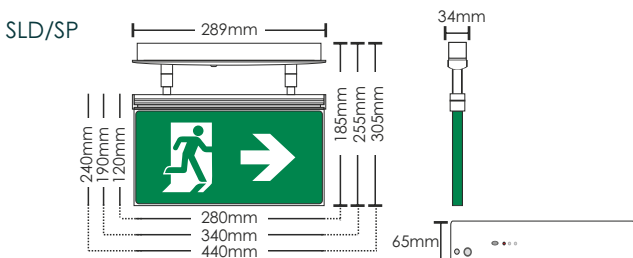


ADDRESSABLE LOUNGELIGHT



| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | 3h | Wattage | Mains/Emergency | kg |
|-----------|-----------------|-------|----|---|----|------|------------------|-----|------------|-----------------|----------|
| 922028026 | SLD-28/DZ/M/ADR | 2 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 2,7W/3,9VA | 100/100 lm | 943 gr. |
| 922034025 | SLD-34/DZ/M/ADR | 2 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1298 gr. |
| 922044017 | SLD-44/DZ/M/ADR | 2 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1751 gr. |
| 922028027 | SLD-28/SP/M/ADR | 1 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 2,7W/3,9VA | 100/100 lm | 1053 gr. |
| 922034026 | SLD-34/SP/M/ADR | 1 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1388 gr. |
| 922044018 | SLD-44/SP/M/ADR | 1 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1970 gr. |

Dimensions



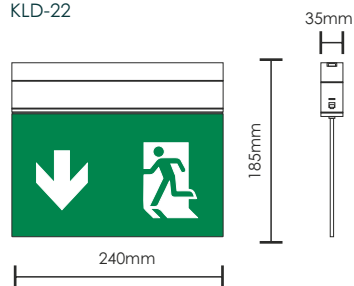
ADDRESSABLE ECO LIGHT



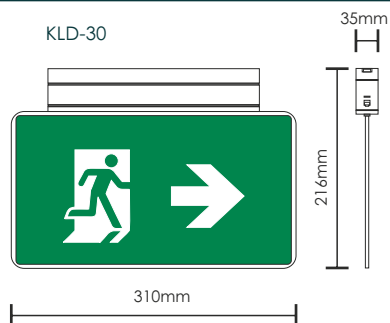
| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|----------------|-------|----|---|----|------|----------------|---------|------------|----------------------|----------|
| 922502204 | KLD-22/ST/ADR* | 1 | ✓ | ✓ | ✓ | IP54 | 3.5W/4VA Ni-Cd | 1-3-8 h | 3.9W/4.4VA | 80/250 80/110 80/15m | 872 gr. |
| 922503054 | KLD-30/ST/ADR* | 2 | ✓ | ✓ | ✓ | IP54 | 3.5W/4VA Ni-Cd | 1-3-8 h | 3.9W/4.4VA | 80/250 80/110 80/15m | 1358 gr. |

Dimensions

KLD-22



KLD-30



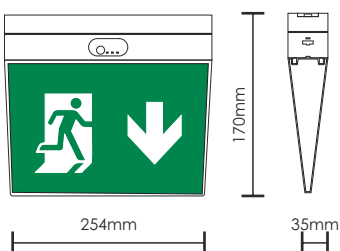
ADDRESSABLE ECO LIGHT



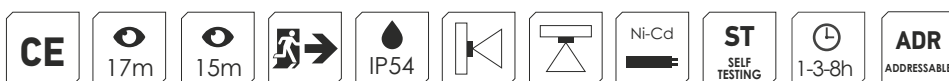
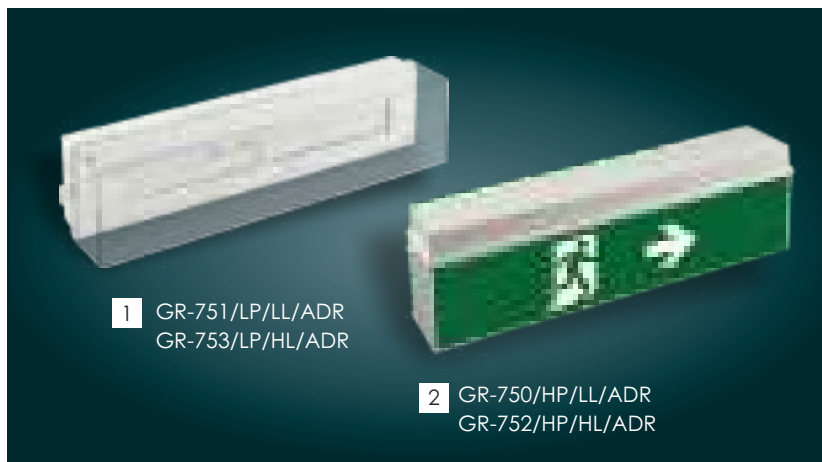
| CODE | TYPE | ST | M | NM | Water | Battery | Time | Power | Mains/Emergency | Weight |
|-----------|----------------|----|---|----|-------|------------------|---------|------------|----------------------|---------|
| 922502054 | KLR-20/ST/ADR* | ✓ | ✓ | ✓ | IP54 | 3.6V/1.5Ah Ni-Cd | 1-3-8 h | 3,9W/4,4VA | 80/250 80/110 80/15m | 872 gr. |

Dimensions

KLR-20

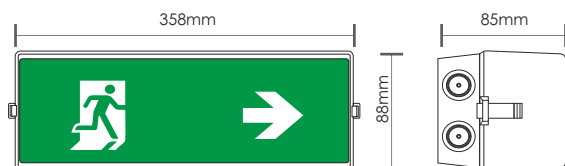


ADDRESSABLE BAU LIGHT

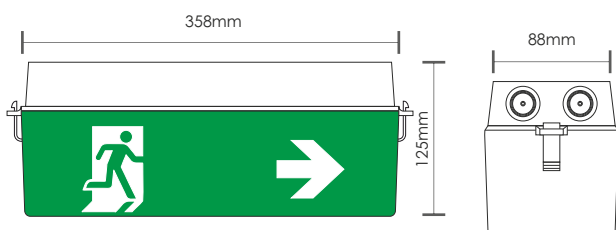


| CODE | TYPE | ST | M | NM | IP | Battery | ST | Gear | Mains/Emergency | kg |
|-----------|-------------------------------------|----|---|----|------|------------------|---------|------------|-------------------------|----------|
| 923750004 | GR-750/ST/HP/LL/ADR LOW LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Cd | 1-3-8 h | 4,1W/4,3VA | 270/300 270/150 270/30m | 950 gr. |
| 923751003 | GR-751/ST/LP/LL/ADR LOW LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Cd | 1-3-8 h | 4,1W/4,3VA | 270/300 270/150 270/30m | 950 gr. |
| 923752003 | GR-752/ST/HP/HL/ADR HIGH LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/3Ah Ni-Cd | 1-3-8 h | 4,5W/4,7VA | 270/350 270/280 270/90m | 1023 gr. |
| 923753003 | GR-753/ST/LP/HL/ADR HIGH LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/3Ah Ni-Cd | 1-3-8 h | 4,5W/4,7VA | 270/350 270/280 270/90m | 1023 gr. |

Dimensions



LP: Low Profile / deep transparent hood



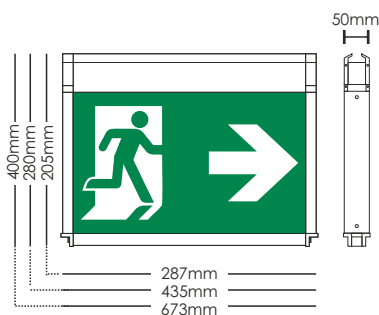
HP: High Profile/ High opal hood

ADDRESSABLE LED LIGHT BOX

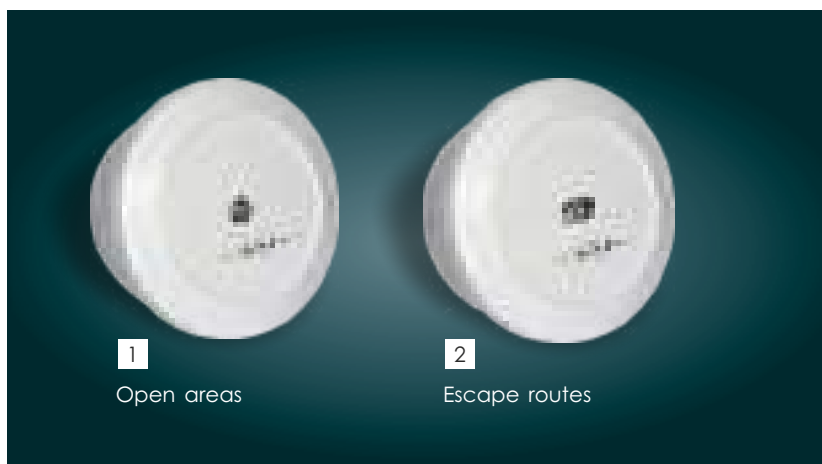


| CODE | TYPE | ST | M | NM | IP | Battery | ⌚ | ⚡ | Mains/Emergency | kg |
|-----------|----------------|----|---|----|------|------------------|-------|------------|-----------------|----------|
| 923026007 | LLB-26/90/ADR | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 6W/6,4VA | 230/300 lm | 1083 gr. |
| 923026008 | LLB-26/180/ADR | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 3 h | 6W/6,4VA | 230/123 lm | 1083 gr. |
| 923040006 | LLB-40/90/ADR | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 7W/7,4VA | 370/300 lm | 1785 gr. |
| 923040007 | LLB-40/180/ADR | ✓ | ✓ | ✓ | IP44 | 4,8V/2,4Ah Ni-Mh | 3 h | 7W/7,4VA | 370/300 lm | 1892 gr. |
| 923064006 | LLB-64/90/ADR | ✓ | ✓ | ✓ | IP44 | 4,8V/2Ah Ni-Mh | 1,5 h | 9,3W/9,8VA | 600/500 lm | 2456 gr. |
| 923064007 | LLB-64/180/ADR | ✓ | ✓ | ✓ | IP44 | 4,8V/4Ah Ni-Mh | 3 h | 9,3W/9,8VA | 600/500 lm | 3383 gr. |

Dimensions



ADDRESSABLE SPOT LIGHT

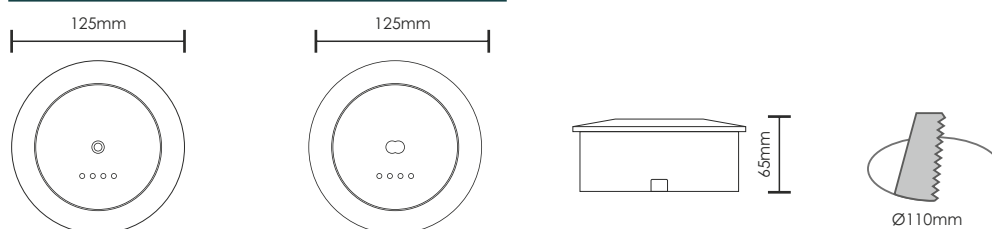


*They have BSI & CNBOP-PIB certifications



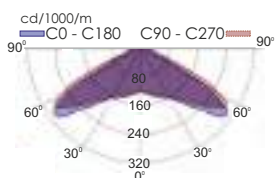
| CODE | TYPE | ST | M | NM | Water | Battery | Time | Power | Mains/Emergency | kg |
|-----------|-----------------|----|---|----|-------|------------------|-------|------------|-----------------|---------|
| 923291003 | GR-291/ADR* | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | 542 gr. |
| 923293001 | GR-293/ADR* | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | 542 gr. |
| 923290003 | GR-290/ADR* | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | 542 gr. |
| 923292001 | GR-292/ADR* | ✓ | — | ✓ | IP40 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | 542 gr. |
| 923291010 | GR-291/ADR/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | 542 gr. |
| 923293006 | GR-293/ADR/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | 542 gr. |
| 923290009 | GR-290/ADR/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,7W/4,1VA | 270 lm | 542 gr. |
| 923292006 | GR-292/ADR/WP | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,7W/4,1VA | 160 lm | 542 gr. |
| 923292008 | GR-292/M/HL/ADR | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 3 h | 4,9W/5,2VA | 330 lm | 923 gr. |
| 923293008 | GR-293/M/HL/ADR | ✓ | — | ✓ | IP40 | 4,8V/4Ah Ni-Mh | 3 h | 4,9W/5,2VA | 330 lm | 923 gr. |

Dimensions

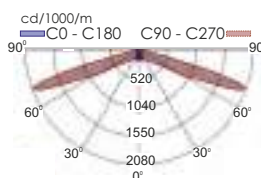


Photometric

GR-291/ADR & GR-293/ADR



GR-290/ADR & GR-292/ADR

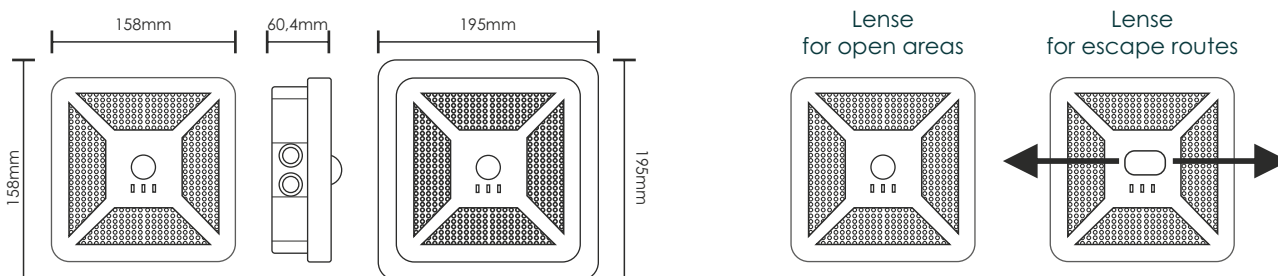


ADDRESSABLE TETRAGONO LIGHT



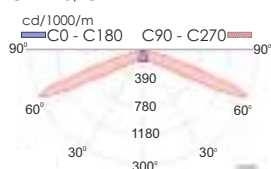
| CODE | TYPE | ST | M | NM | Water | Battery | Timer | Power | Mains/Emergency | Weight |
|-----------|---------------|----|---|----|-------|--------------|-------|------------|-----------------|---------|
| 923490002 | GR-490/WP/ADR | ✓ | — | ✓ | IP65 | 3,9W / 4,4VA | 1,5 h | 3,9W/4,4VA | 280lm | 854 gr. |
| 923491002 | GR-491/WP/ADR | ✓ | — | ✓ | IP65 | 3,9W / 4,4VA | 1,5 h | 3,9W/4,4VA | 280lm | 854 gr. |
| 923492002 | GR-492/WP/ADR | ✓ | — | ✓ | IP65 | 3,9W / 4,4VA | 3 h | 3,9W/4,4VA | 140lm | 854 gr. |
| 923493002 | GR-493/WP/ADR | ✓ | — | ✓ | IP65 | 3,9W / 4,4VA | 3 h | 3,9W/4,4VA | 140lm | 854 gr. |
| 923490003 | GR-490/ADR | ✓ | — | ✓ | IP42 | 3,9W / 4,4VA | 1,5 h | 3,9W/4,4VA | 280lm | 854 gr. |
| 923491003 | GR-491/ADR | ✓ | — | ✓ | IP42 | 3,9W / 4,4VA | 1,5 h | 3,9W/4,4VA | 280lm | 854 gr. |
| 923492003 | GR-492/ADR | ✓ | — | ✓ | IP42 | 3,9W / 4,4VA | 3 h | 3,9W/4,4VA | 140lm | 854 gr. |
| 923493003 | GR-493/ADR | ✓ | — | ✓ | IP42 | 3,9W / 4,4VA | 3 h | 3,9W/4,4VA | 140lm | 854 gr. |

Dimensions

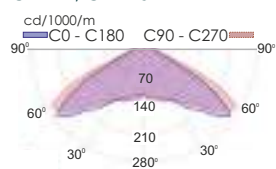


Photometric

GR-4x0, GR-4x2



GR-4x1, GR-4x3



► For accessories & mounting methods go to page 76. For spacing tables go to pages 178-179

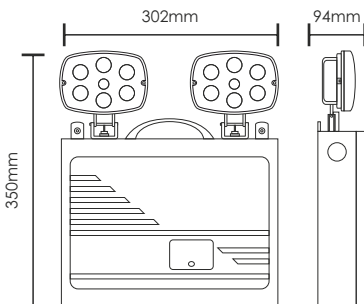


ADDRESSABLE POWER LIGHT



| CODE | TYPE | IMAGE | ST | M | NM | Water | Battery | Clock | Light source | Light output | kg | |
|-----------|--------------------|-------|----|---|----|-------|--------------|-------|----------------|--------------|---------|----------|
| 923037007 | GRL-37/90/ADR* | 1 | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 1,5 h | 16VA | 2x6P Leds | 3200 lm | 4360 gr. |
| 923037008 | GRL-37/180/ADR* | 1 | ✓ | — | ✓ | IP42 | 2x12V/7Ah Pb | 3 h | 16VA | 2x6P Leds | 3200 lm | 6560 gr. |
| 923029013 | GRL-29/ADR | 1 | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 3 h | 12,6W / 13,1VA | 2x84 Leds | 1760 lm | 3684 gr. |
| 923037009 | GRL-37/90/WP/ADR* | 2 | ✓ | — | ✓ | IP65 | 12V/7Ah Pb | 1,5 h | 16VA | 2x6P Leds | 3200 lm | 4616 gr. |
| 923037010 | GRL-37/180/WP/ADR* | 2 | ✓ | — | ✓ | IP65 | 2x12V/7Ah Pb | 3 h | 16VA | 2x6P Leds | 3200 lm | 6677 gr. |
| 923029012 | GRL-29/WP/ADR | 2 | ✓ | — | ✓ | IP65 | 12V/7Ah Pb | 3 h | 12,6W / 13,1VA | 2x84 Leds | 1760 lm | 3915 gr. |

Dimensions





phos^{4.0}
software



WIRELESS EMERGENCY LIGHTING SYSTEM



The Phos 4.0 is the latest offering on wireless emergency lighting monitoring systems by Olympia Electronics. It is based on encrypted wireless communications between luminaires, offering complete monitoring of all connected luminaires with robust security from unwanted access.

The Phos 4.0 software enables the user to monitor and control up to 16 wireless gateways for a total of 3200 devices from a centralized location. The software offers complete monitoring capabilities of all connected devices, a complete installation

graphical view, BMS connectivity via Modbus TCP, and robust notifications options.

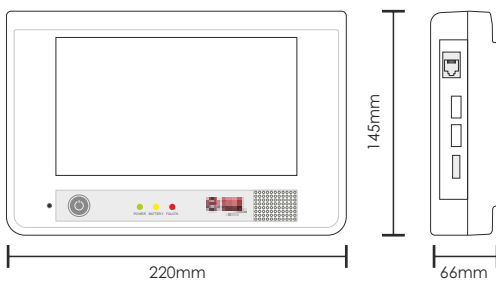
The system preserves the ease of installation offered by self-contained luminaires, avoiding the need for specialized installation crews, as each luminaire only requires a local power supply. Furthermore, each wireless device operates as a separate node, receiving and transmitting the signal to neighboring devices, thus enabling the network to self-heal and bypass any malfunctioning nodes.





Dimensions

GR-7610/V2



| | |
|--------------------|---|
| Description | GR-7610/V2 i-OLEG Olympia Electronics LumiGate |
| Code | 923761001 |
| Consumption | 23VA |
| CPU | quad-core 1.8GHz |
| RAM / FLASH MEMORY | 2GB / 32GB |
| Display | 7" capacitive touch IPS display (1024x600) |
| Battery | SPA 6V/1.3Ah (Lead acid) |
| Duration | 1h |
| Mounting | Wall or desktop |

The GR-7610/V2 i-OLEG is the standalone control panel version of the wireless emergency lighting system.

The i-OLEG is equipped with a 7" control touch screen and the backup battery offers 1h autonomy. The GR-7610/V2 comes with the Standard version of "Phos4.0" software pre-installed and can support up to 2 USB Gateways (GR-7607/V2 or GR-7605/V2).

Features:

- Status indication LEDs (Power, Battery, Fault)
- 1x Ethernet connection (Rj45)
- 2x USB connection
- 1x HDMI connection
- WiFi Connection (802.11 b/g/n)
- System buzzer (alert on system fault)

Mounting methods

Wall



Desktop



WIRELESS EMERGENCY LIGHTING MONITORING



The Phos 4.0 is an advanced wireless emergency lighting ecosystem, designed to satisfy all safety demands of a building while providing the ease of installation and maintenance of a modern, centralized wireless system.

The building block of the Phos 4.0 wireless system is the Wireless Gateway. Each Wireless Gateway can monitor up to 200 wireless devices, with the wireless connection between the devices established via a fast, mesh-type network, operating at 868 MHz, either directly or through another wireless device. The Wireless Gateway is available in three versions, USB, Wifi, and Ethernet, offering a wide array of connectivity options.

The Phos 4.0 software is the brains of the wireless system. The software is the one responsible for monitoring the connected wireless devices, performing preprogrammed tests, and notifying the results to the end-user via email or Modbus to a central BMS.

The Phos4.0 software has two separate versions: the Advanced and the Standard versions.

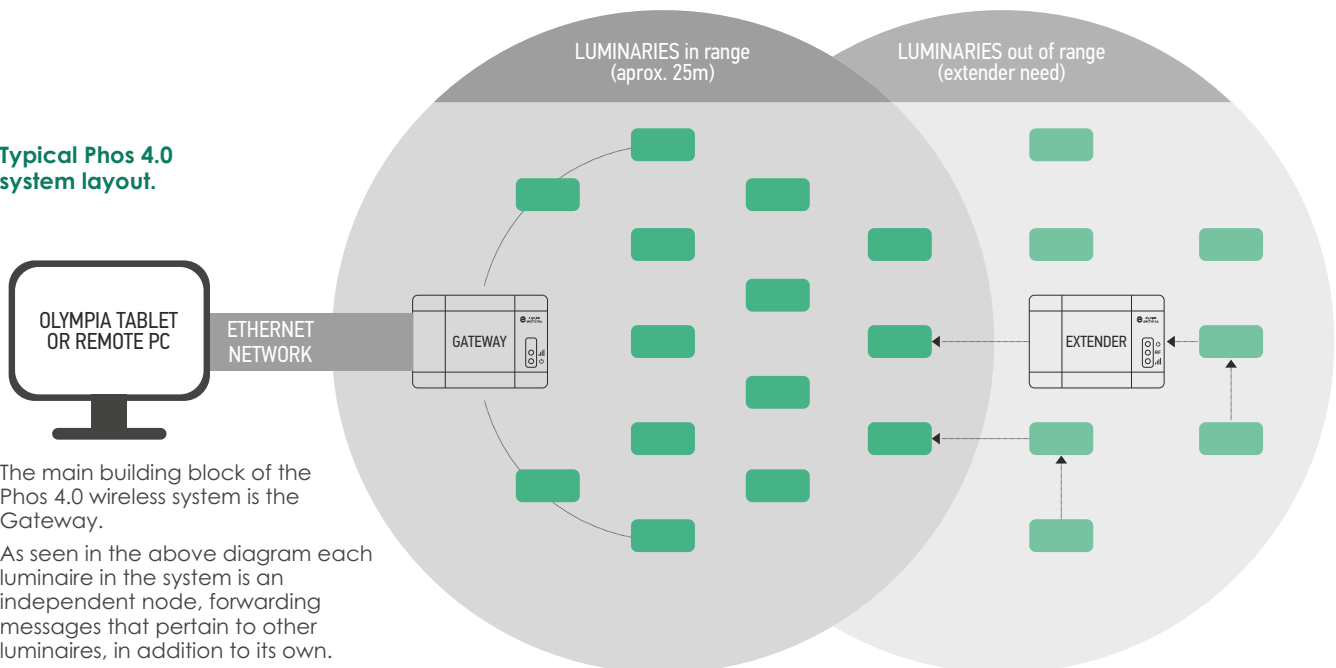
The Advanced version of the Phos 4.0 software offers the complete capabilities of the system, as it provides the user the ability to independently set up each Gateway as well as allowing the connection of up to 16 Gateways to a single central PC.

The Standard version of the Phos 4.0 software comes pre-installed on the GR-7610/V2 i-OLEG tablet. The GR-7610/V2 i-OLEG tablet can accept up to two USB

Gateways, which are automatically recognized by the software, thus greatly facilitating and simplifying the installation and commissioning procedures.

- ▶ Supports multiple Gateway versions (USB/Wifi/Ethernet)
- ▶ Multiple repeater support for remote system monitoring and control (Advance Version)
- ▶ Up to 16 Gateways (Advance Version)
- ▶ 200 Devices per Gateway
- ▶ 16 programmable digital zones
- ▶ Central Information Screen
- ▶ Multiple Floor plans with active device icons
- ▶ Current Events View
- ▶ Event Logging
- ▶ Email report
- ▶ Automated device search and installation
- ▶ Easy device separation in different gateway networks
- ▶ Automatic device categorization for instantaneous setup and updating
- ▶ Immediate information for each connected device

Typical Phos 4.0 system layout.



The main building block of the Phos 4.0 wireless system is the Gateway.

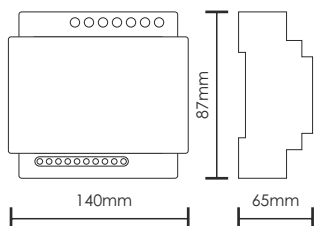
As seen in the above diagram each luminaire in the system is an independent node, forwarding messages that pertain to other luminaires, in addition to its own.

The Extender enables communication with devices beyond the normal range of the nodes (20m-25m).

WIRELESS LIGHTING MONITORING



Dimensions



| | |
|--------------------|------------------------------------|
| Description | GR-7606/V2 In/Out Wireless Unit |
|--------------------|------------------------------------|

| | |
|-------------|-----------|
| Code | 923760601 |
|-------------|-----------|

| | |
|------------------------------------|-----------------------|
| Consumption in standby mode | 6.1mA / 34.2 - 58.3mA |
|------------------------------------|-----------------------|

| | |
|----------------|--|
| Outputs | 2, relay 30V/1 $\frac{1}{2}$, 125V/0.5A |
|----------------|--|

The **GR-7606/V2** Wireless I/O Unit is a device that can be used to bridge another (safety or monitoring) system with the wireless emergency lighting. It implements 2 relay outputs (dry-contact) that are programmable and can be armed in case of emergency, fault, test. The 2 inputs are also programmable and can be used to run a test procedure (lamp or battery).

| | |
|---------------------------------------|---------------------------|
| Description | GR-7607/V2 USB gateway |
| Code | 923760700 |
| Max. wireless devices capacity | 200 |
| Tx/Rx frequency range | 868.150 - 868.450MHz |
| Tx power | 11dBm |

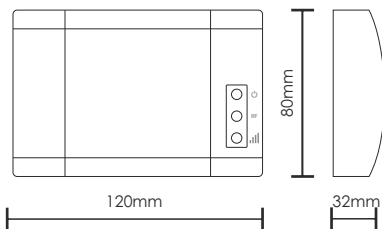


| | | |
|--------------------|--|---|
| Description | GR-6600/WL/V2 Spare wireless adapter for emergency luminaires | GR-6601/WL/V2 Spare wireless adapter for emergency luminaires (with SMA connector) |
| Code | 923660007 | 923660100 |

WIRELESS LIGHTING MONITORING



Dimensions

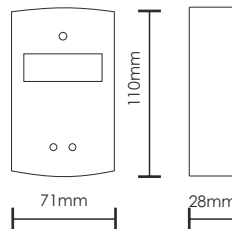


| Description | GR-7603/V2 Ethernet/Wifi Gateway | GR-7604/V2 Network Extender |
|-------------------------------|-------------------------------------|--------------------------------|
| Code | 923760300 | 923760401 |
| Consumption | 2VA | 1,5VA |
| Max. Wireless Device Capacity | 200 | |
| Tx power | 11dBm | 11dBm |
| Wi-Fi Protocol | 802,1 b/g/n | |
| Tx/Rx frequency range | | 868 - 870MHz |

The GR-7603/V2 Ethernet + Wifi Gateway is a Gateway (master) device for a wireless emergency lighting network. It provides Wi-Fi (WPA/PSK or WPS) and Ethernet connection options, with dynamic (DHCP) or static Ipv4 addressing, to be connected to the local network and communicate with the master control application (Phos4.0). The configurations are applied through a simple webpage (connect via mini Access Point). Capable of controlling up to 200 wireless devices. It is supplied via mains power (220-240V/50-60Hz) without self-contained backup operation. For uninterruptible operation a UPS power line must be used. Works exclusively with 'Advanced' version of "Phos4.0" software application.(with the use of PC).

GR-7604/V2 Network Extender is a signal range extension device, thus a signal repeater. It re-transmits received messages, similarly to wireless emergency luminaires (20~25m range). It is supplied via mains power (220-240V/50-60Hz) without self contained backup operation. For uninterruptible operation a UPS power line must be used.

Dimensions



| Description | GR-7605/V2 Rssi tester / USB gateway |
|--------------|---|
| Code | 923760501 |
| Power supply | 4.9V to 5.1V (USB) |
| Consumption | 0.7W / 0.14A (max) |
| Battery | 3.6V / 240mAh NiMH (rechargeable, non-replaceable) |

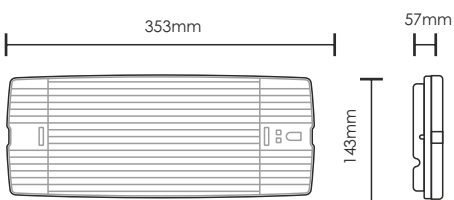
GR-7605/V2 RSSI Tester / USB Gateway main functionality is to be used as a handheld signal level measuring device during installation of wireless emergency lighting, to check signal coverage in a position, before installing a device. Can alternatively be used as a USB Gateway, a Spectrum Analyzer or a Manual Installation Tool (along with the 'Wireless Installation Tool' application).

WIRELESS EASY LIGHT

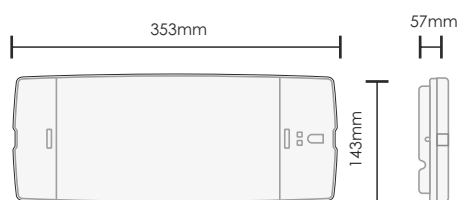


| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Runtime | Power | Mains/Emergency | kg |
|-----------|-------------------------------|-------|----|---|----|------|--------------------|----------|------------|-------------------------|----|
| 923370000 | GR-370/LL/WL LOW LUMINOSITY* | 1 | ✓ | ✓ | — | IP40 | 3.6V/1500mAh Ni-Cd | 1h/3h/8h | 4.4W/4.6VA | 300/280 300/150 300/35m | - |
| 923371000 | GR-371/HL/WL HIGH LUMINOSITY* | 1 | ✓ | ✓ | — | IP40 | 3.6V/3000mAh Ni-Cd | 1h/3h/8h | 5.3W/5.5VA | 300/330 300/280 300/90m | - |
| 923135002 | GR-1350/LL/WL HIGH LUMINOSITY | 2 | ✓ | ✓ | — | IP40 | 3.6V/1500mAh Ni-Cd | 1h/3h/8h | 4.4W/4.6VA | 300/280 300/150 300/35m | - |
| 923135100 | GR-1351/HL/WL LOW LUMINOSITY | 2 | ✓ | ✓ | — | IP40 | 3.6V/3000mAh Ni-Cd | 1h/3h/8h | 5.3W/5.5VA | 300/330 300/280 300/90m | - |

Dimensions

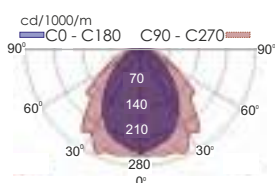


Dimensions



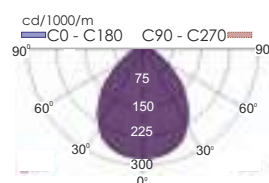
Photometric

GR-371



Photometric

GR-1350

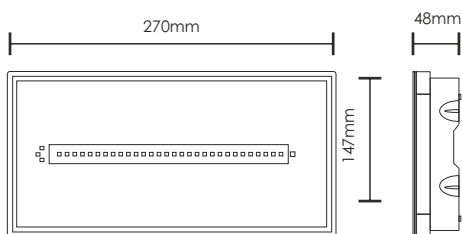


WIRELESS OLYMPUS LIGHT

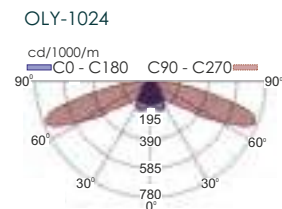
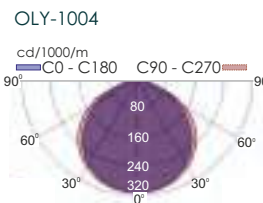


| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|-------------------------------|-------|----|---|----|------|----------------|----------|------------|---------------------------|---------|
| 923100402 | OLY-1004/WP/WL HIGH LUMINOCTY | 1 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 300/350 300/295 300/95lm | 958 gr. |
| 923100405 | OLY-1004/WL HIGH LUMINOCTY | 1 | ✓ | ✓ | ✓ | IP42 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,5W/4,7VA | 300/350 300/295 300/95lm | 958 gr. |
| 923102402 | OLY-1024/WP/WL HIGH LUMINOCTY | 2 | ✓ | ✓ | ✓ | IP65 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,6W/4,8VA | 300/380 300/320 300/100lm | 953 gr. |
| 923102405 | OLY-1024/WL HIGH LUMINOCTY | 2 | ✓ | ✓ | ✓ | IP42 | 3,6V/3Ah Ni-Cd | 1h/3h/8h | 4,6W/4,8VA | 300/380 300/320 300/100lm | 953 gr. |

Dimensions



Photometric

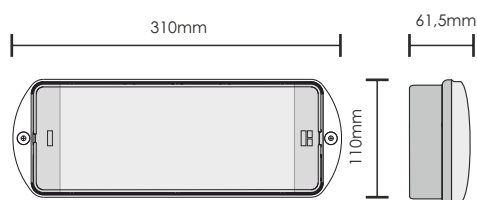


WIRELESS WEATHER LIGHT



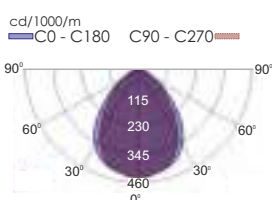
| CODE | TYPE | ST | M | NM | IP | Battery | Timer | Power | Mains/Emergency |
|-----------|-------------------------------|----|---|----|------|--------------|----------|------------|-------------------------|
| 923195000 | GR-1950/LL/WL LOW LUMINOSIT | ✓ | ✓ | ✓ | IP65 | 3.6V/1500mAh | 1h/3h/8h | 4.4W/4.6VA | 300/280 300/150 300/35m |
| 923195100 | GR-1951/HL/WL HIGH LUMINOSITY | ✓ | ✓ | ✓ | IP65 | 3.6V/3000mAh | 1h/3h/8h | 5.3W/5.5VA | 300/330 300/280 300/90m |

Dimensions



Photometric

GR-1950 & GR-1951



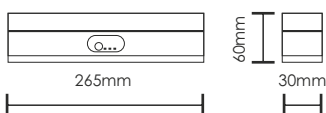
WIRELESS LINEAR LIGHT



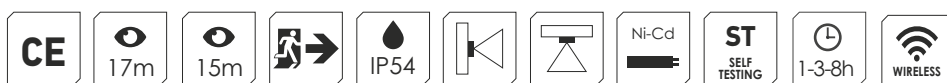
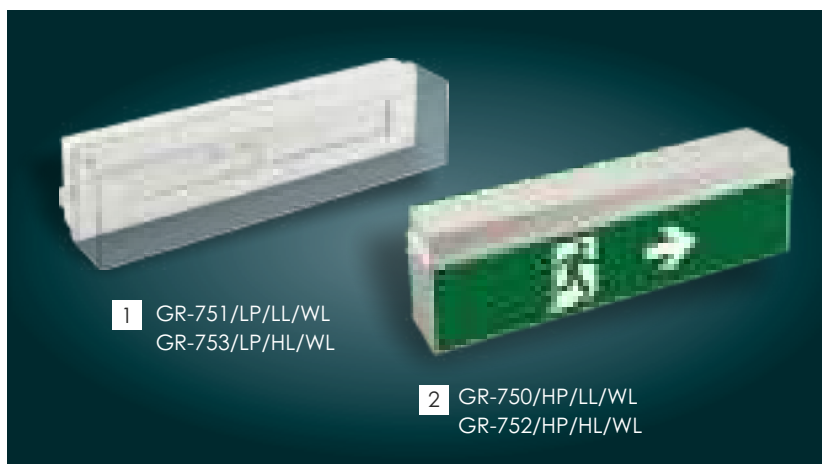
| CODE | TYPE | ST | M | NM | Water Drop | Battery | Clock | Lightning Bolt | Mains/Emergency | kg |
|-----------|---------------|----|---|----|------------|------------------|---------|----------------|---------------------|---------|
| 922502059 | KLIN-20/ST/ML | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Mh | 1-3-8 h | 3,9W/4,4VA | 80/250 80/77 80/12m | 418 gr. |

Dimensions

KLIN-20

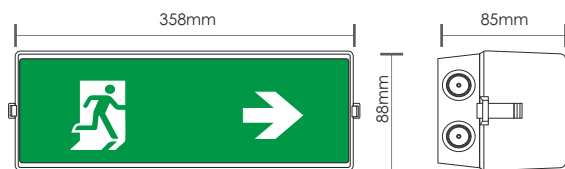


WIRELESS BAU LIGHT

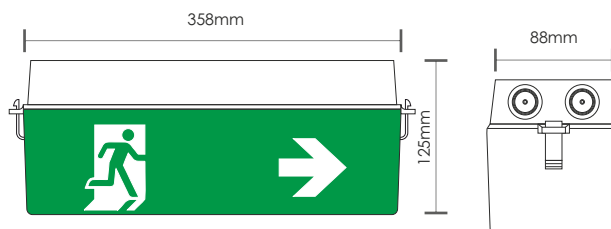


| CODE | TYPE | ST | M | NM | IP | Battery | ⌚ | ⚡ | Mains/ Emergency | kg |
|-----------|------------------------------------|----|---|----|------|------------------|---------|------------|-------------------------|---------|
| 923750005 | GR-750/ST/HP/LL/WL LOW LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/1.5Ah Ni-Cd | 1-3-8 h | 4,1W/4,3VA | 270/300 270/150 270/30m | 884 gr. |
| 923751004 | GR-751/ST/LP/LL/WL LOW LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/1.5Ah Ni-Cd | 1-3-8 h | 4,1W/4,3VA | 270/300 270/150 270/30m | 884 gr. |
| 923752004 | GR-752/ST/HP/HL/WL HIGH LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/3Ah Ni-Cd | 1-3-8 h | 4,5W/4,7VA | 270/350 270/280 270/90m | 952 gr. |
| 923753004 | GR-753/ST/LP/HL/WL HIGH LUMINOSITY | ✓ | ✓ | ✓ | IP54 | 3,6V/3Ah Ni-Cd | 1-3-8 h | 4,5W/4,7VA | 270/350 270/280 270/90m | 952 gr. |

Dimensions

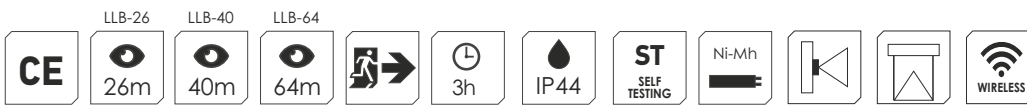


LP: Low Profile /deep transparent hood



HP: High Profile/ High opal hood

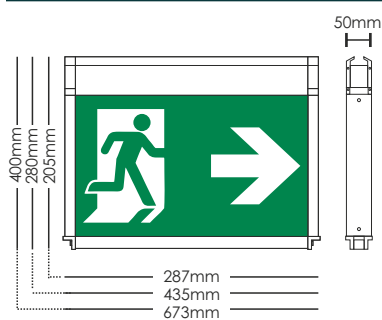
WIRELESS LED LIGHT BOX



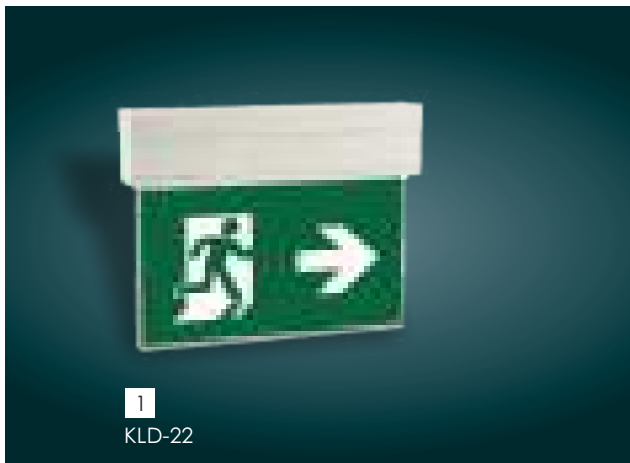
| CODE | TYPE | ST | M | NM | IP | Battery | ⌚ | ⚙️ | Mains/Emergency | kg |
|-----------|---------------|----|---|----|------|------------------|-------|--------------|-----------------|----------|
| 923026009 | LLB-26/90/WL | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 6W / 6,4VA | 230/300 lm | 1085 gr. |
| 923026010 | LLB-26/180/WL | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 3 h | 6W / 6,4VA | 230/123 lm | 1085 gr. |
| 923040008 | LLB-40/90/WL | ✓ | ✓ | ✓ | IP44 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 7W / 7,4VA | 370/300 lm | 1787 gr. |
| 923040009 | LLB-40/180/WL | ✓ | ✓ | ✓ | IP44 | 4,8V/2,4Ah Ni-Mh | 3 h | 7W / 7,4VA | 370/300 lm | 1894 gr. |
| 923064008 | LLB-64/90/WL | ✓ | ✓ | ✓ | IP44 | 4,8V/2Ah Ni-Mh | 1,5 h | 9,3W / 9,8VA | 600/500 lm | 2458 gr. |
| 923064009 | LLB-64/180/WL | ✓ | ✓ | ✓ | IP44 | 4,8V/4Ah Ni-Mh | 3 h | 9,3W / 9,8VA | 600/500 lm | 3385 gr. |

LLB-XX/O All the above models can be manufactured as one sided luminaries with aluminum backplate

Dimensions



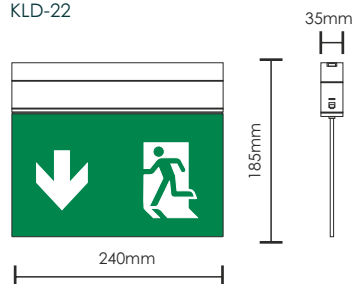
WIRELESS ECO LIGHT



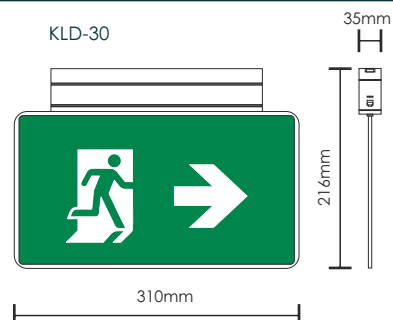
| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | kg |
|-----------|--------------|-------|----|---|----|------|------------------|---------|------------|----------------------|----------|
| 922502205 | KLD-22/ST/WL | 1 | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Cd | 1-3-8 h | 3,9W/4,4VA | 80/250 80/110 80/15m | 872 gr. |
| 922503055 | KLD-30/ST/WL | 2 | ✓ | ✓ | ✓ | IP54 | 3,6V/1,5Ah Ni-Cd | 1-3-8 h | 3,9W/4,4VA | 80/250 80/110 80/15m | 1358 gr. |

Dimensions

KLD-22



KLD-30



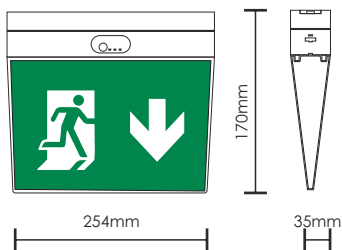
WIRELESS ECO LIGHT



| CODE | TYPE | IMAGE | ST | M | NM | IP54 | 3,6V/1.5Ah Ni-Cd | 1-3-8 h | 3,5W/4VA | Mains/ Emergency | kg |
|-----------|--------------|-------|----|---|----|------|------------------|---------|----------|---------------------|---------|
| 922502055 | KLR-20/ST/WL | 1 | ✓ | ✓ | ✓ | IP54 | 3,6V/1.5Ah Ni-Cd | 1-3-8 h | 3,5W/4VA | 75/75 lm | 872 gr. |

Dimensions

KLR-20



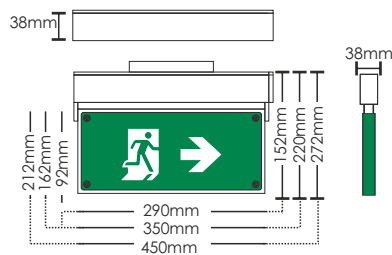
WIRELESS ECO LIGHT



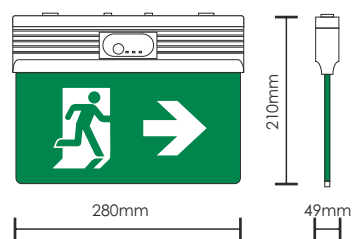
| CODE | TYPE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | Weight |
|-----------|------------------|----|---|----|------|------------------|------|-----------|-----------------|----------|
| 922502516 | PLD-25/NiMh/M/WL | ✓ | ✓ | ✓ | IP44 | 3,6V/1,5Ah Ni-Mh | 3 h | 4W/4,4 VA | 90/100 lm | 1086 gr. |

Dimensions

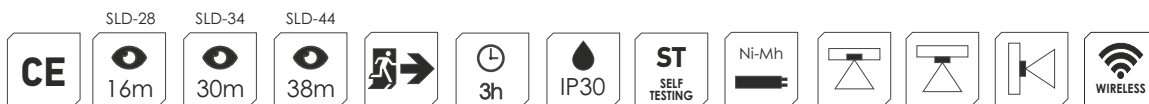
ZLD-xx



PLD-25

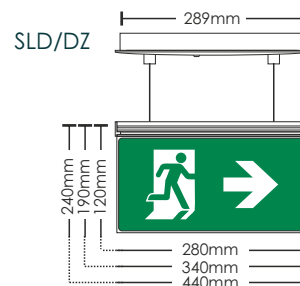
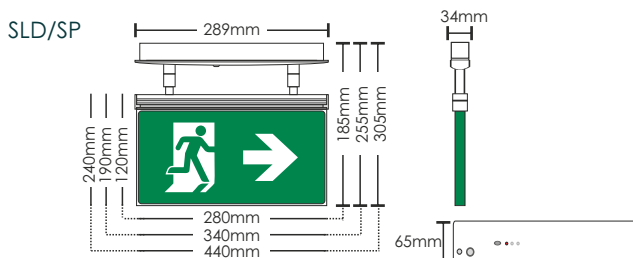


WIRELESS LOUNGE LIGHT

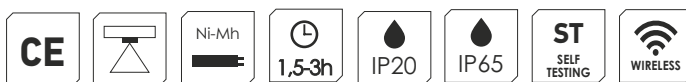
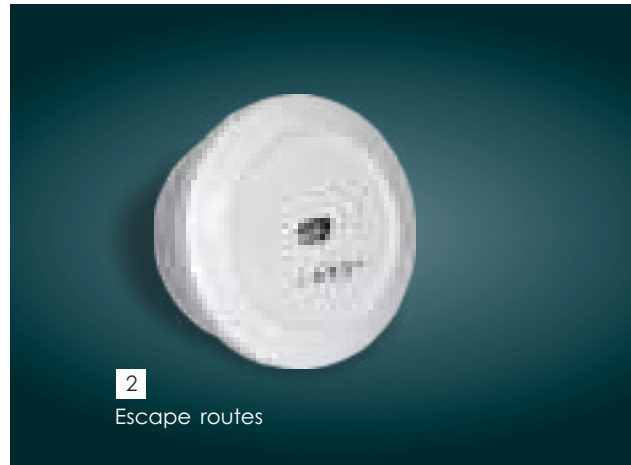
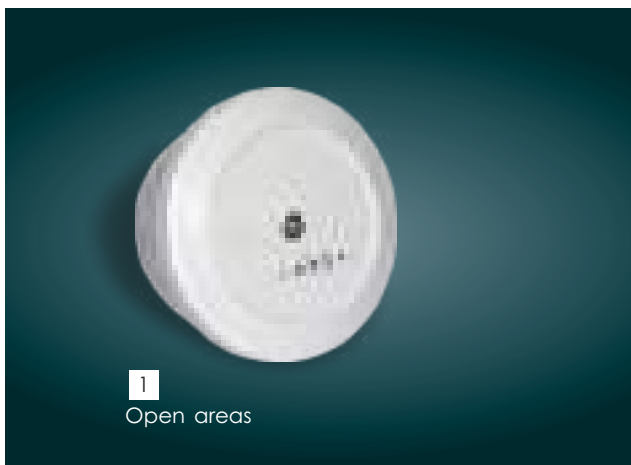


| CODE | TYPE | IMAGE | ST | M | NM | IP | Battery | Time | Power | Mains/Emergency | Weight |
|-----------|----------------|-------|----|---|----|------|------------------|------|------------|-----------------|----------|
| 922028028 | SLD-28/DZ/M/WL | 2 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 2,7W/3,9VA | 100/100 lm | 945 gr. |
| 922034027 | SLD-34/DZ/M/WL | 2 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1300 gr. |
| 922044019 | SLD-44/DZ/M/WL | 2 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1753 gr. |
| 922028029 | SLD-28/SP/M/WL | 1 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 2,7W/3,9VA | 100/100 lm | 1055 gr. |
| 922034028 | SLD-34/SP/M/WL | 1 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1390 gr. |
| 922044020 | SLD-44/SP/M/WL | 1 | ✓ | ✓ | ✓ | IP30 | 3,6V/1,5Ah Ni-Mh | 3 h | 3W/4,2VA | 125/125 lm | 1972 gr. |

Dimensions

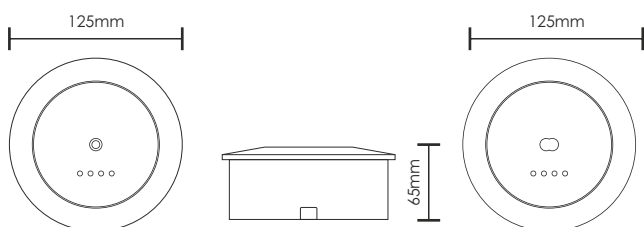


WIRELESS SPOT LIGHT



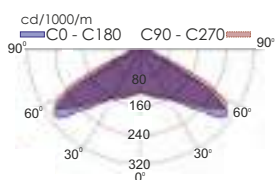
| CODE | TYPE | IMAGE | ST | M | NM | Water | Battery | Time | Power | INSTALLATION | Mains/Emergency | kg |
|-----------|----------------|-------|----|---|----|-------|----------------|------|------------|---------------|-----------------|---------|
| 923290011 | GR-290/M/WL | 2 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 1,5h | 4,3W/4,7VA | Escape routes | 300 lm | 439 gr. |
| 923290012 | GR-290/WP/M/WL | 2 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 1,5h | 4,3W/4,7VA | Escape routes | 300 lm | 439 gr. |
| 923291011 | GR-291/M/WL | 1 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 1,5h | 4,3W/4,7VA | Open areas | 300 lm | 439 gr. |
| 923291012 | GR-291/WP/M/WL | 1 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 1,5h | 4,3W/4,7VA | Open areas | 300 lm | 439 gr. |
| 923292010 | GR-292/M/WL | 2 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 3h | 4,3W/4,7VA | Escape routes | 150 lm | 439 gr. |
| 923292009 | GR-292/M/HL/WL | 2 | ✓ | — | ✓ | IP20 | 4,8V/4Ah Ni-Mh | 3h | 4,9W/5,2VA | Escape routes | 330 lm | 925 gr. |
| 923292011 | GR-292/WP/M/WL | 2 | ✓ | — | ✓ | IP65 | 4,8V/4Ah Ni-Mh | 3h | 4,3W/4,7VA | Escape routes | 150 lm | 439 gr. |
| 923293010 | GR-293/M/WL | 1 | ✓ | — | ✓ | IP65 | 4,8V/4Ah Ni-Mh | 3h | 4,3W/4,7VA | Open areas | 150 lm | 439 gr. |
| 923293009 | GR-293/M/HL/WL | 1 | ✓ | — | ✓ | IP65 | 4,8V/4Ah Ni-Mh | 3h | 4,9W/5,2VA | Open areas | 330 lm | 925 gr. |
| 923293011 | GR-293/WP/M/WL | 1 | ✓ | — | ✓ | IP65 | 4,8V/4Ah Ni-Mh | 3h | 4,3W/4,7VA | Open areas | 150 lm | 439 gr. |

Dimensions

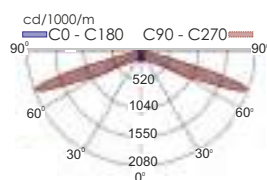


Photometric

GR-291 & GR-293



GR-290 & GR-292

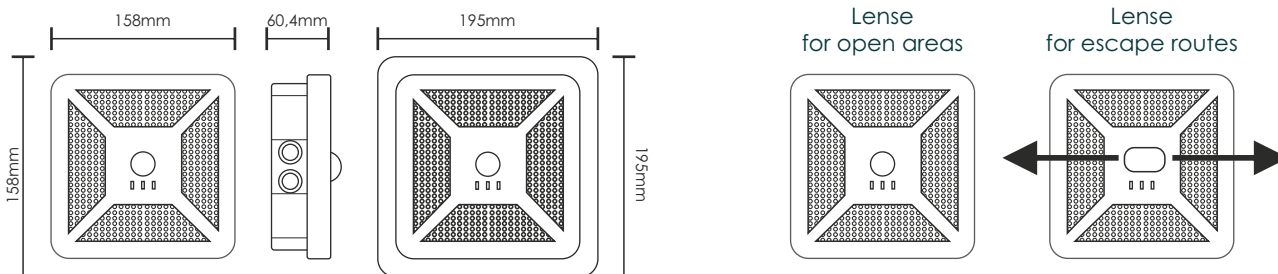


WIRELESS TETRAGONO LIGHT

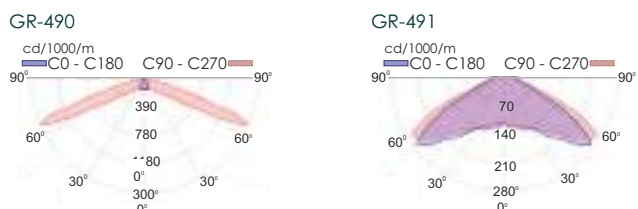


| CODE | TYPE | ST | M | NM | Waterproof | Battery | Runtime | Power | INSTALLATION | Mains/Emergency | kg |
|-----------|--------------|----|---|----|------------|------------------|---------|------------|---------------|-----------------|---------|
| 923490004 | GR-490/WP/WL | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | Escape routes | 280lm | 854 gr. |
| 923491004 | GR-491/WP/WL | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | Open areas | 280lm | 854 gr. |
| 923492004 | GR-492/WP/WL | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | Escape routes | 140lm | 854 gr. |
| 923493004 | GR-493/WP/WL | ✓ | — | ✓ | IP65 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | Open areas | 140lm | 854 gr. |
| 923490005 | GR-490/WL | ✓ | — | ✓ | IP42 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | Escape routes | 280lm | 856 gr. |
| 923491005 | GR-491/WL | ✓ | — | ✓ | IP42 | 4,8V/1,2Ah Ni-Mh | 1,5 h | 3,9W/4,4VA | Open areas | 280lm | 856 gr. |
| 923492005 | GR-492/WL | ✓ | — | ✓ | IP42 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | Escape routes | 140lm | 856 gr. |
| 923493005 | GR-493/WL | ✓ | — | ✓ | IP42 | 4,8V/1,2Ah Ni-Mh | 3 h | 3,9W/4,4VA | Open areas | 140lm | 856 gr. |

Dimensions



Photometric



► For accessories & mounting methods go to page 76. For spacing methods go to pages 178-179

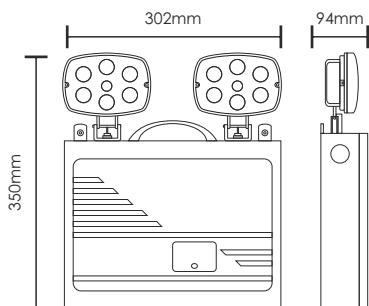


WIRELESS POWER LIGHT



| CODE | TYPE | ST | M | NM | Water | Battery | Time | Power | Light source | Light output | kg |
|-----------|------------------|----|---|----|-------|--------------|-------|----------------|--------------|--------------|----------|
| 923037016 | GRL-37/90/WL | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 1,5 h | 16VA | 2x6P Leds | 3200 lm | 4360 gr. |
| 923037017 | GRL-37/180/WL | ✓ | — | ✓ | IP42 | 2x12V/7Ah Pb | 3 h | 16VA | 2x6P Leds | 3200 lm | 6560 gr. |
| 923029014 | GRL-29/WL | ✓ | — | ✓ | IP42 | 12V/7Ah Pb | 3 h | 12,6W / 13,1VA | 2x84 Leds | 1760 lm | 3684 gr. |
| 923037018 | GRL-37/90/WP/WL | ✓ | — | ✓ | IP65 | 12V/7Ah Pb | 1,5 h | 16VA | 2x6P Leds | 3200 lm | 4616 gr. |
| 923037019 | GRL-37/180/WP/WL | ✓ | — | ✓ | IP65 | 2x12V/7Ah Pb | 3 h | 16VA | 2x6P Leds | 3200 lm | 6677 gr. |
| 923029015 | GRL-29/WP/WL | ✓ | — | ✓ | IP65 | 12V/7Ah Pb | 3 h | 12,6W / 13,1VA | 2x84 Leds | 1760 lm | 3915 gr. |

Dimensions





CENTRAL BATTERY SYSTEMS (CBS)

The CBS family consists of 12 models of central battery systems for emergency illumination.

They are produced in accordance with the current European norms EN50171 and EN50172. Depending on the model they contain 4–16 illumination circuits that can be individually programmed to operate as maintained or non-maintained.

In the maintained illumination circuits a 24VDC voltage is provided from a built-in DC power supply when there is power supply to the facility. In case of an interruption of the mains power supply, the illumination circuits are provided with 24VDC power from the interior of the panel is divided into 2 compartments, the electronics compartment and the battery compartment. A sensor monitors the battery temperature continuously

Better Energy efficiency compared to self contained luminaries.

Low maintenance cost. The batteries in a CBS system are located in the main panel compared to self contained luminaries that have their batteries built in. This saves a lot of time and money during maintenance, inspection or when batteries need to be changed.

More effective inspection. With CBS panels you have the ability to inspect the function of all luminaries from the main panel. If a luminary has a fault then there is an update in the main panel during a programmed test.

The cost of the CBS luminaries is comparable to self contained luminaries. With CBS systems you have a long-term cost due to all saving because of all the previous reasons regarding the self contained luminaries.



CONVENTIONAL BATTERY SYSTEM CBS 24V DC



1

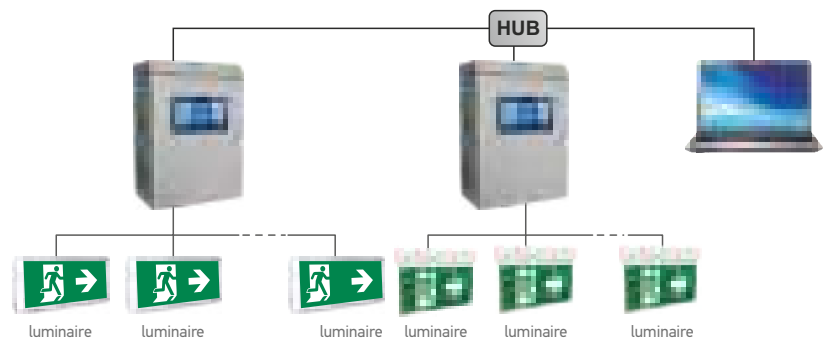
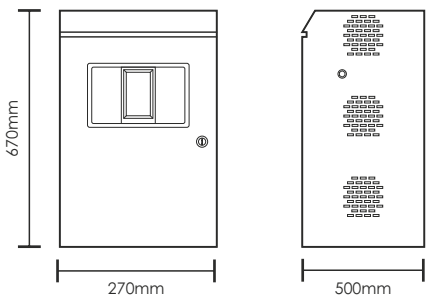
- Output: 24V DC in main & battery
- 300 - 600W panels
- 4 - 16 zones
- Capability for connecting several panels on an ethernet network
- The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- Independent program for each zone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



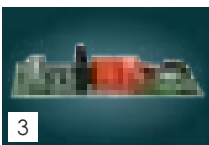
KM645103
BS EN 50171

*They have BSI certification

Dimensions



| CENTRAL UNIT PANELS | | | | | kg |
|-------------------------|-----------------|-------|--|--|-----------|
| CODE | TYPE | IMAGE | DESCRIPTION | | |
| 923850000 | GR-8500/300/4 | 1 | 300 Watt panel with 4 lighting circuits. Requires 2 batteries 12V/33Ah (A-1200) | | 19400 gr. |
| 923850001 | GR-8500/300/8* | 1 | 300 Watt panel with 8 lighting circuits. Requires 2 batteries 12V/33Ah (A-1200) | | 19700 gr. |
| 923850002 | GR-8500/300/12 | 1 | 300 Watt panel with 12 lighting circuits. Requires 2 batteries 12V/33Ah (A-1200) | | 20000 gr. |
| 923850003 | GR-8500/300/16 | 1 | 300 Watt panel with 16 lighting circuits. Requires 2 batteries 12V/33Ah (A-1200) | | 20300 gr. |
| 600W / 24V DC PANELS | | | | | kg |
| CODE | TYPE | IMAGE | DESCRIPTION | | |
| 923850004 | GR-8500/600/8 | 1 | 600 Watt panel with 8 lighting circuits. Requires 2 batteries 12V/55Ah (A-1202) | | 20900 gr. |
| 923850005 | GR-8500/600/16* | 1 | 600 Watt panel with 16 lighting circuits. Requires 2 batteries 12V/55Ah (A-1202) | | 21500 gr. |
| ACCESSORIES ON DEMAND | | | | | kg |
| CODE | TYPE | IMAGE | DESCRIPTION | | |
| 923851000 | GR-8510 | 3 | 4 zone lighting circuit extension card 24V / 300 Watt | | 293 gr. |
| 923853000 | GR-8530 | 4 | Network card through ETHERNET | | 32 gr. |
| 923821000 | GR-8210/MONIT | 5 | Monitoring device for CBS systems | | 300 gr. |
| 603101233 | A-1200 | - | Lead battery 12V/33Ah for 300W Panel | | 9200 gr. |
| 603101255 | A-1202 | - | Lead battery 12V/55Ah for 600W Panel | | 15300 gr. |
| PERIPHERALS UPON DEMAND | | | | | kg |
| CODE | TYPE | IMAGE | DESCRIPTION | | |
| 808385002 | GR-8500/PS | 6 | Spare power supply for maintained operation (GR-8500, GR-8600) | | |
| 808385003 | GR-8500/PSC | 7 | Spare power supply for charging (GR-8500, GR-8600, GR-9500) | | |



3

GR-8510



4

GR-8530



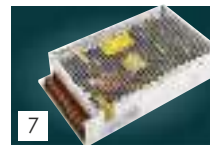
5

GR-8210/MONIT



6

GR-8500/PS



7

GR-8500/PSC

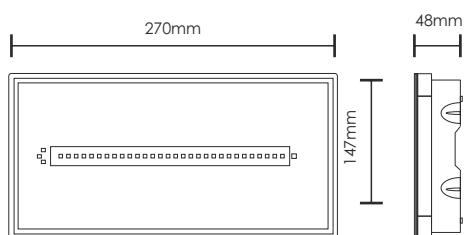
CBS 24V DC OLYMPUS LED



Mains 24V

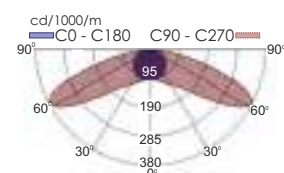
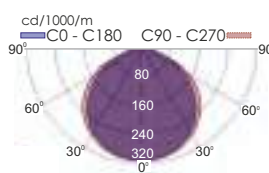
| CODE | TYPE | IMAGE | Mains 24V | IP | W | lm | Mains/Emergency | kg |
|-----------|-----------------------|-------|-----------|------|------|-------|-----------------|---------|
| 923102408 | OLY-1024/CBS/24VDC/WP | 2 | ✓ | IP65 | 2.8W | 460lm | | 675 gr. |
| 923100408 | OLY-1004/CBS/24VDC/WP | 1 | ✓ | IP65 | 2.1W | 290lm | | 680 gr. |
| 923102409 | OLY-1024/CBS/24VDC | 2 | ✓ | IP42 | 2.8W | 460lm | | 675 gr. |
| 923100409 | OLY-1004/CBS/24VDC | 1 | ✓ | IP42 | 2.1W | 290lm | | 680 gr. |

Dimensions

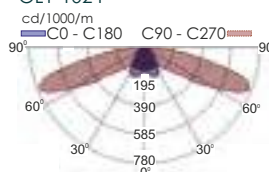


Photometric

OLY-1004



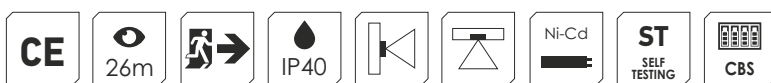
OLY-1024



CBS 24V DC EASY LIGHT

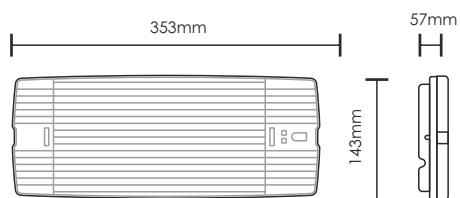


*They have BSI certification



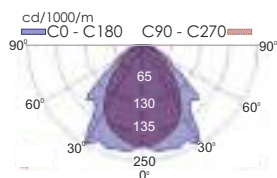
| CODE | TYPE | Mains 24V | Waterproof | Power | Mains/Emergency | kg |
|-----------|----------------------|-----------|------------|-------|-----------------|---------|
| 923325008 | GR-325/6P/24V DC/A | ✓ | IP40 | 5,7W | 580 lm | 684 gr. |
| 923324018 | GR-324/15L/24V DC/A* | ✓ | IP40 | 1W | 125 lm | 684 gr. |
| 923324019 | GR-324/30L/24V DC/A* | ✓ | IP40 | 2W | 255 lm | 684 gr. |

Dimensions



Photometric

GR-325/6P/24V DC/A, GR-324/15L/24V DC/A, GR-324/30L/24V DC/A



CBS 24V DC EASY LIGHT

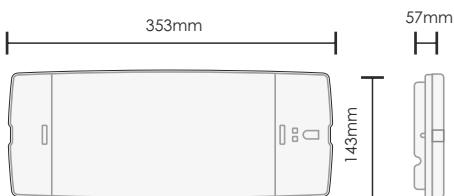


*They have BSI certification



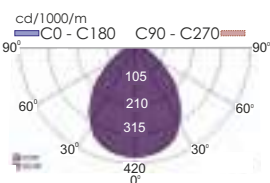
| CODE | TYPE | Mains 24V | Waterproof | Power | Mains/Emergency | Weight |
|-----------|--------------------|-----------|------------|-------|-----------------|---------|
| 923132404 | GR-1324/15L/24V DC | ✓ | IP40 | 1W | 125 lm | 687 gr. |
| 923132405 | GR-1324/30L/24V DC | ✓ | IP40 | 2W | 250 lm | 687 gr. |

Dimensions



Photometric

GR-1324/15L/24V DC, GR-1324/30L/24V DC



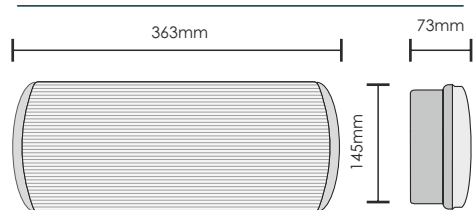
► For accessories & mounting methods go to pages 20-21. For spacing tables go to pages 163-165

CBS 24V DC WEATHER LIGHT

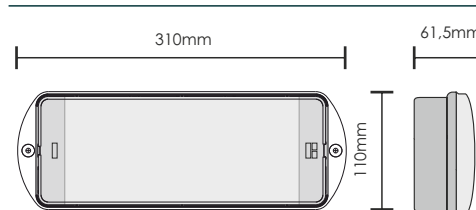


| CODE | TYPE | IMAGE | | | | |
|-----------|---------------------|-------|------|------|--------|---------|
| 923926014 | GR-926/15L/24V DC | 1 | IP65 | 1,2W | 125 lm | 835 gr. |
| 923926015 | GR-926/30L/24V DC | 1 | IP65 | 2,1W | 250 lm | 835 gr. |
| 923192604 | GR-1926/15L/24V DC* | 2 | IP65 | 1W | 125 lm | 620 gr. |
| 923192605 | GR-1926/30L/24V DC* | 2 | IP65 | 2W | 255 lm | 620 gr. |

Dimensions

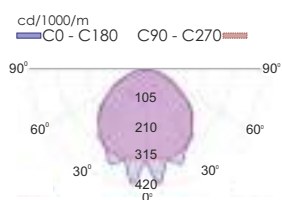


Dimensions



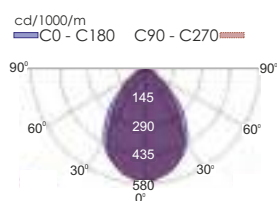
Photometric

GR-926/xx

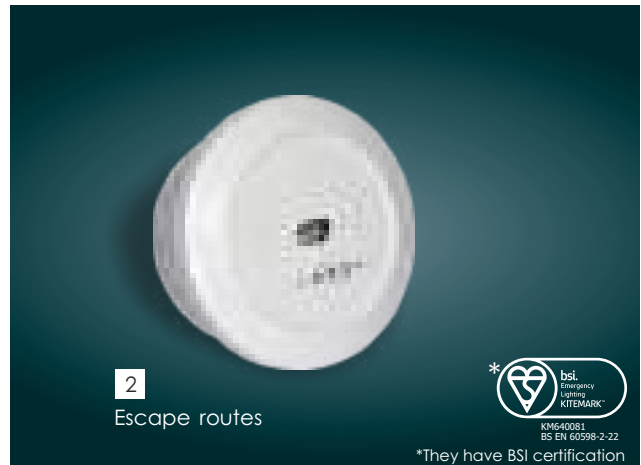
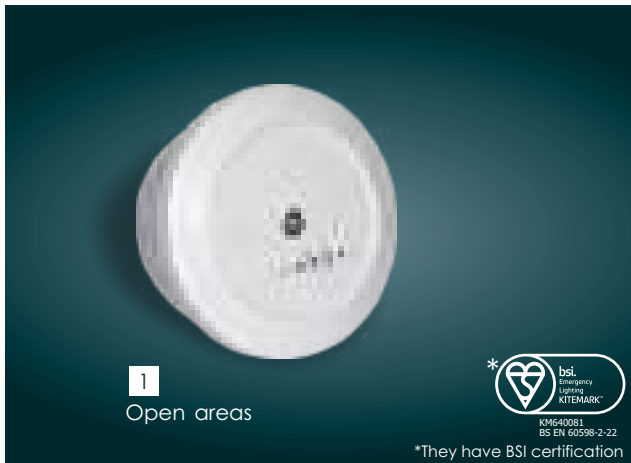


Photometric

GR-1926/xx



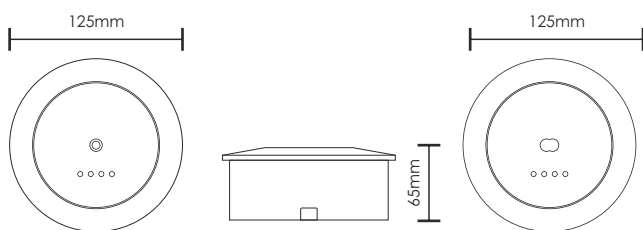
CBS 24V DC SPOT LIGHT



*They have BSI certification

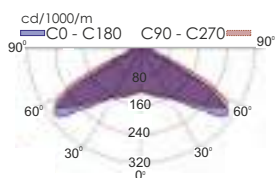
| CODE | TYPE | IMAGE | | | | |
|-----------|----------------|-------|------|------|--------|---------|
| 923280003 | GR-280/24V DC* | 2 | IP40 | 2,9W | 270 lm | 316 gr. |
| 923281003 | GR-281/24V DC* | 1 | IP40 | 2,9W | 270 lm | 316 gr. |

Dimensions



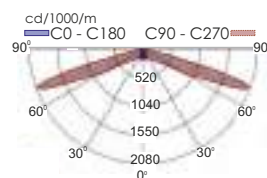
Photometric

GR-281



Photometric

GR-280



CBS 24V DC ECO LIGHT



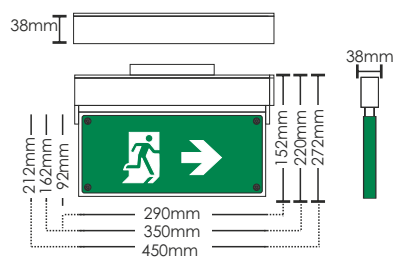
ZLD-xx



| CODE | TYPE | | | | |
|-----------|-----------------------|------|-------|--------|----------|
| 922502867 | ZLD-28/CBS/24V DC/EM* | IP40 | 1,4W | 150 lm | 880 gr. |
| 922503471 | ZLD-34/CBS/24V DC/EM* | IP40 | 1,6W | 175 lm | 1251 gr. |
| 922504462 | ZLD-44/CBS/24V DC/EM | IP40 | 1,85W | 200 lm | 1786 gr. |

Dimensions

ZLD-xx

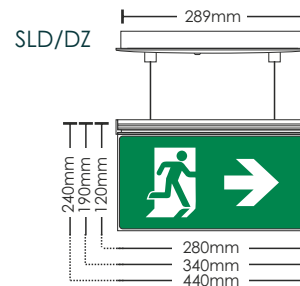
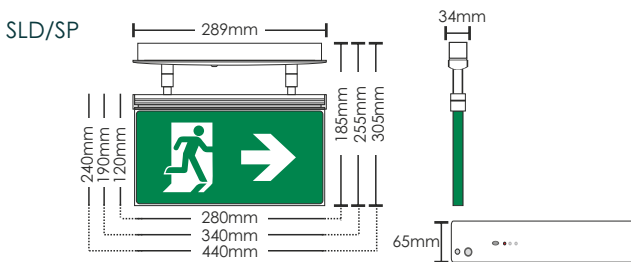


CBS 24V DC LOUNGE LIGHT



| CODE | TYPE | IP | Power | Light Output | Weight |
|-----------|----------------------|------|-------|--------------|----------|
| 922028021 | SLD-28/CBS/SP/24V DC | IP30 | 1,2W | 120 lm | 770 gr. |
| 922034020 | SLD-34/CBS/SP/24V DC | IP30 | 1,5W | 150 lm | 1238 gr. |
| 922044013 | SLD-44/CBS/SP/24V DC | IP30 | 1,5W | 150 lm | 1808 gr. |
| 922028022 | SLD-28/CBS/DZ/24V DC | IP30 | 1,2W | 120 lm | 770 gr. |
| 922034021 | SLD-34/CBS/DZ/24V DC | IP30 | 1,5W | 150 lm | 1238 gr. |
| 922044014 | SLD-44/CBS/DZ/24V DC | IP30 | 1,5W | 150 lm | 1808 gr. |

Dimensions



24V DC ADDRESSABLE CENTRAL BATTERY SYSTEM (CBS)



1

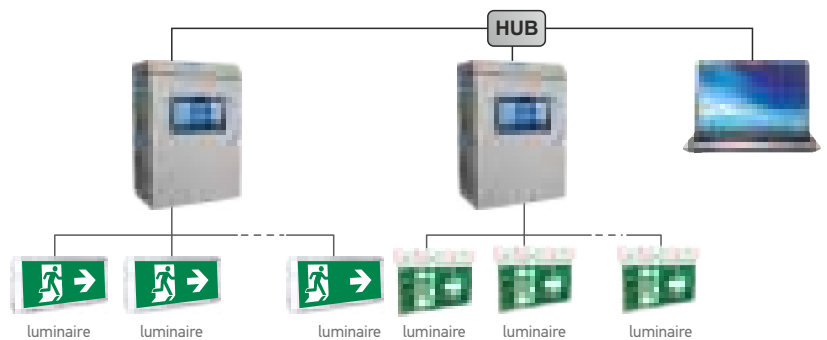
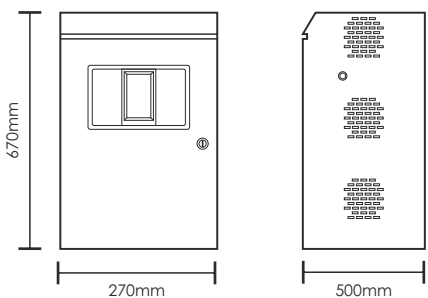
- Output: 24V DC in main & battery
- 300 - 600W panels
- 4 - 8 zones
- Capability for connecting several panels on an ethernet network
- The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- Independent program for each zone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



KM645103
BS EN 50171

*They have BSI certification

Dimensions



CENTRAL ADDRESSABLE PANEL 300W / 24V DC PANELS

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|----------------|-------|--|-----------|
| 923860004 | GR-8600/300/4* | 1 | 300 Watt panel with 4 lighting circuits. Requires 2 bateries 12V/33Ah (A-1200) | 19300 gr. |
| 923860005 | GR-8600/300/8* | 1 | 300 Watt panel with 8 lighting circuits. Requires 2 bateries 12V/33Ah (A-1200) | 19600 gr. |

600W / 24V DC PANELS

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|----------------|-------|--|-----------|
| 923860006 | GR-8600/600/8* | 1 | 600 Watt panel with 8 lighting circuits. Requires 2 bateries 12V/55Ah (A-1202) | 20900 gr. |

ACCESSORIES ON DEMAND

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|---------------|-------|--|-----------|
| 923861000 | GR-8610 | 3 | 4 zone lighting circuit extension card for addressable luminaires CBS 24V / 300 Watt | 347 gr. |
| 923853000 | GR-8530 | 4 | Network card through ETHERNET | 32 gr. |
| 923821000 | GR-8210/MONIT | 5 | Monitoring device for CBS systems | 300 gr. |
| 603101233 | A-1200 | - | Lead battery 12V/33Ah for 300W Panel | 9200 gr. |
| 603101255 | A-1202 | - | Lead battery 12V/55Ah for 600W Panel | 15300 gr. |

PERIPHERALS UPON DEMAND

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|-------------|-------|--|----|
| 808385002 | GR-8500/PS | 6 | Spare power supply for maintained operation (GR-8500, GR-8600) | |
| 808385003 | GR-8500/PSC | 7 | Spare power supply for charging (GR-8500, GR-8600, GR-9500) | |



3

GR-8610



4

GR-8530



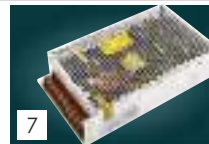
5

GR-8210/MONIT



6

GR-8500/PS



7

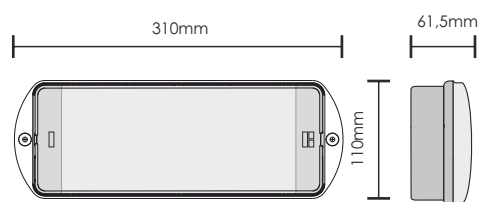
GR-8500/PSC

ADDRESSABLE 24V DC WEATHER LIGHT



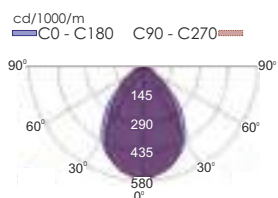
| CODE | TYPE | | | | |
|-----------|----------------------|------|------|--------|---------|
| 923192608 | GR-1926/15L/24V/ADR* | IP65 | 1,5W | 125 lm | 642 gr. |
| 923192609 | GR-1926/30L/24V/ADR* | IP65 | 2,3W | 255 lm | 642 gr. |

Dimensions



Photometric

GR-1926/15L/24V/ADR, GR-1926/30L/24V/ADR



ADDRESSABLE 24V DC EASY LIGHT

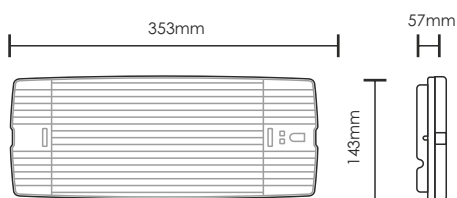


*They have BSI certification



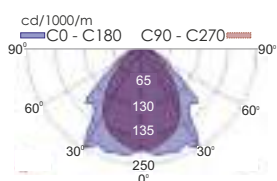
| CODE | TYPE | | | | |
|-----------|-----------------------|------|------|-------|---------|
| 923324021 | GR-324/15L/24V/ADR/A* | IP40 | 1,5W | 125lm | 710 gr. |
| 923324022 | GR-324/30L/24V/ADR/A* | IP40 | 2,3W | 255lm | 710 gr. |

Dimensions



Photometric

GR-324/15L/24V/ADR/A, GR-324/30L/24V/ADR/A



ADDRESSABLE 24V DC EASY LIGHT

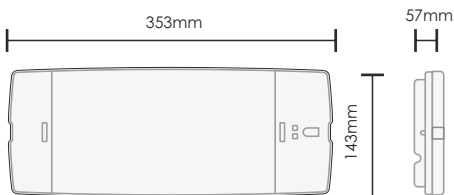


*They have BSI certification



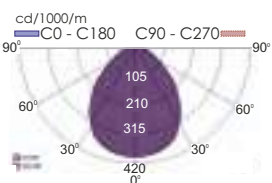
| CODE | TYPE | | | | |
|-----------|----------------------|------|------|--------|---------|
| 923132501 | GR-1325/15L/24V/ADR* | IP40 | 1,5W | 125 lm | 710 gr. |
| 923132500 | GR-1325/30L/24V/ADR* | IP40 | 2,3W | 255 lm | 710 gr. |

Dimensions



Photometric

GR-1325/15L/24V/ADR, GR-1325/30L/24V/ADR



► For accessories & mounting methods go to pages 18-21. For spacing tables go to pages 164-165

ADDRESSABLE 24V DC LINEAR LIGHT

ADDRESSABLE 24V DC ECO LIGHT



KLIN-20



KLD



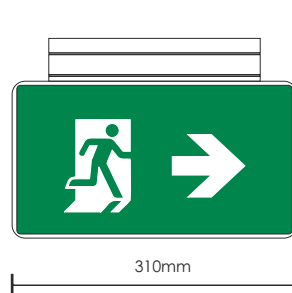
| CODE | TYPE | IP54 | 1,2W | Mains/ Emergency | kg |
|-----------|---------------------|------|------|---------------------|----------|
| 922502062 | KLIN-20/CBS/24V/ADR | IP54 | 1,2W | 112 lm | 914 gr. |
| 922502202 | KLD-22/CBS/24V/ADR | IP54 | 1,2W | 112 lm | 1105 gr. |
| 922503052 | KLD-30/CBS/24V/ADR | IP54 | 1,2W | 112 lm | - |

Dimensions

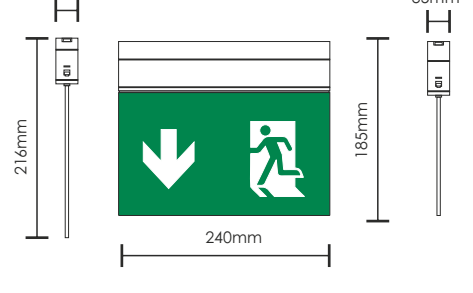
KLIN-20



KLD-30



KLD-22



ADDRESSABLE 24V DC ECO LIGHT



ZLD

ZLD-28 ZLD-34 ZLD-44

CE 16m 30m 38m IP40

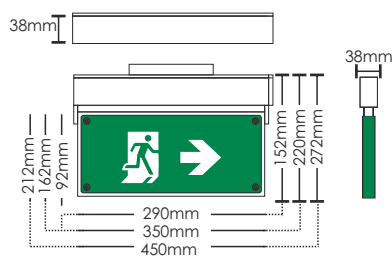
KLR

CE 20m IP54

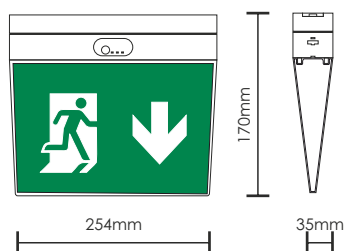
| CODE | TYPE | | | | |
|-----------|--------------------|------|------|--------|----------|
| 922502869 | ZLD-28/24V/ADR/EM* | IP40 | 1,6W | 150 lm | 887 gr. |
| 922503473 | ZLD-34/24V/ADR/EM* | IP40 | 1,8W | 175 lm | 1266 gr. |
| 922502052 | KLR-20/CBS/24V/ADR | IP54 | 1,2W | 112 lm | 680 gr. |

Dimensions

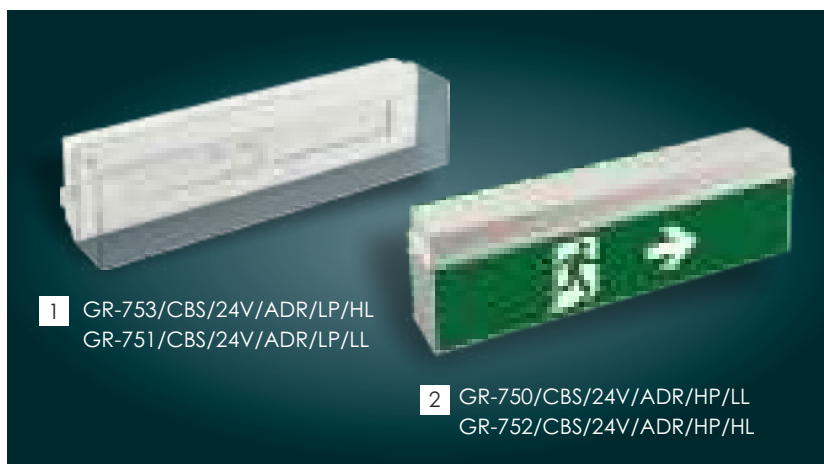
ZLD-xx



KLR-20

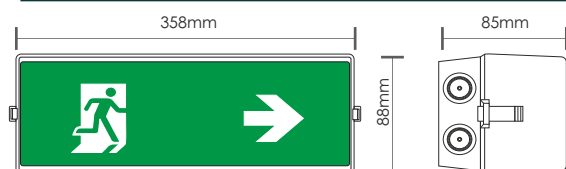


ADDRESSABLE 24V DC BAU LIGHT

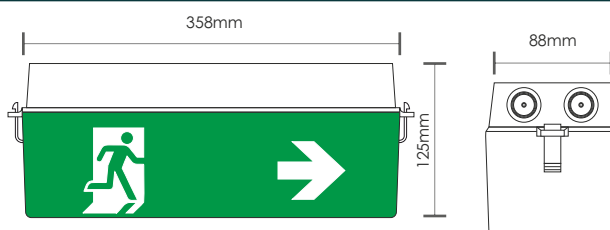


| CODE | TYPE | | | | |
|-----------|--------------------------|------|------|--------|---------|
| 923750003 | GR-750/CBS/24V/ADR/HP/LL | IP54 | 1,5W | 200 lm | 753 gr. |
| 923751002 | GR-751/CBS/24V/ADR/LP/LL | IP54 | 1,5W | 200 lm | 705 gr. |
| 923752002 | GR-752/CBS/24V/ADR/HP/HL | IP54 | 2,5W | 350 lm | 753 gr. |
| 923753002 | GR-753/CBS/24V/ADR/LP/HL | IP54 | 2,5W | 350 lm | 705 gr. |

Dimensions



LP: Low Profile /deep transparent hood



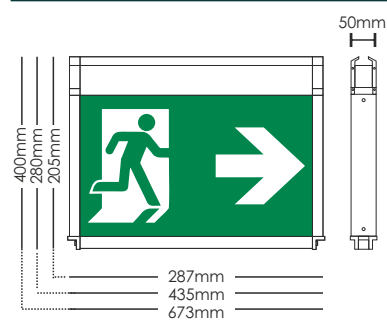
HP: High Profile/ High opal hood

ADDRESSABLE 24V DC LED LIGHT BOX

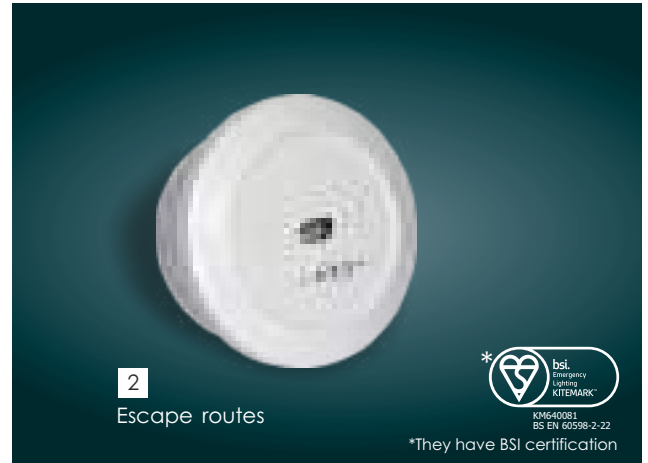
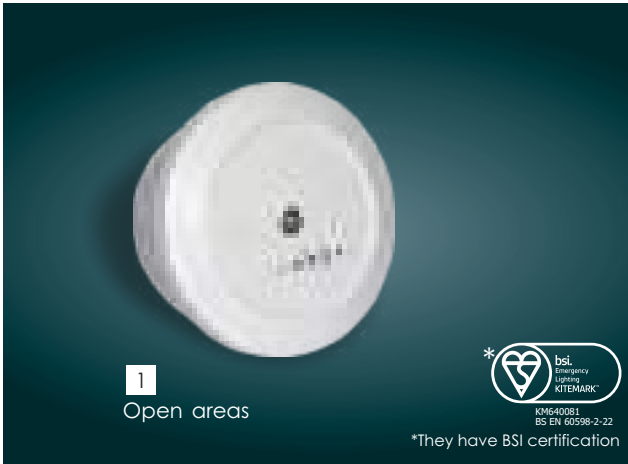


| CODE | TYPE | IP44 | 2,5W | Mains/Emergency | kg |
|-----------|--------------------|------|------|-----------------|---------|
| 923026005 | LLB-26/CBS/24V/ADR | | | | 843 gr. |

Dimensions

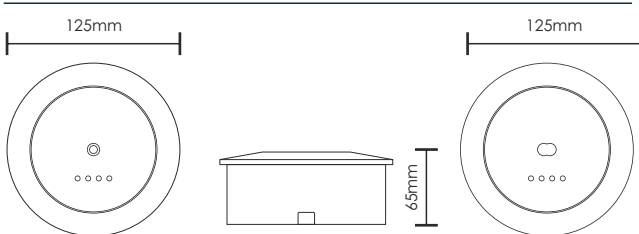


ADDRESSABLE 24V DC SPOT LIGHT



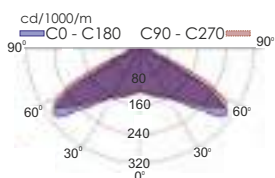
| CODE | TYPE | IMAGE | Water Drop | Lightbulb | Mains/ Emergency | kg |
|-----------|-----------------|-------|------------|-----------|------------------|---------|
| 923281004 | GR-281/24V/ADR* | 1 | IP40 | 3,2W | 270 lm | 324 gr. |
| 923280004 | GR-280/24V/ADR* | 2 | IP40 | 3,2W | 270 lm | 324gr. |

Dimensions



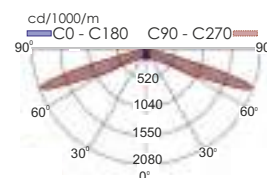
Photometric

GR-281/24V/ADR



Photometric

GR-280/24V/ADR





CONVENTIONAL CBS 230V AC CENTRAL BATTERY SYSTEM



1

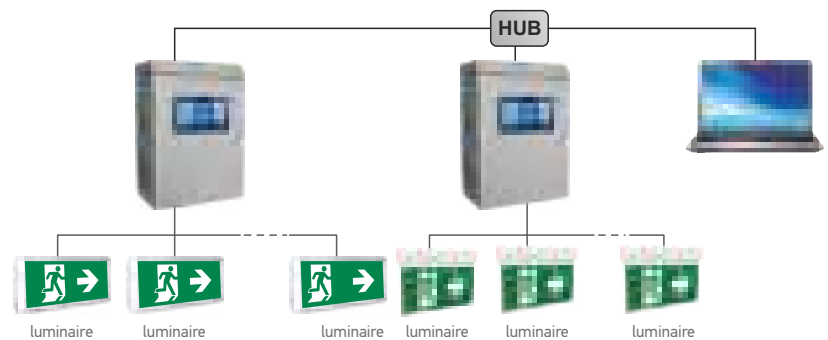
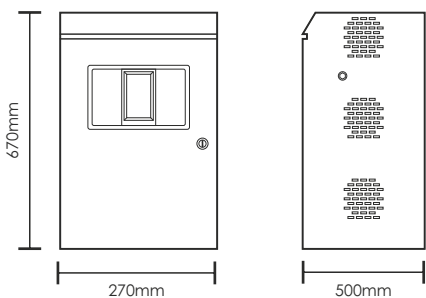
- Output: 230V AC in main & battery
- 300VA - 600VA panels
- 4 - 8 zones
- Capability for connecting several panels on an ethernet network
- The programming, control and testing of the system can be done using a web browser (Internet Explorer, Mozilla Firefox, Chrome)
- Independent program for each zone for maintained or non-maintained operation.



KM645103
BS EN 50171

*They have BSI certifications

Dimensions



300VA/1h or 100VA/3h / 230V AC PANELS

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|----------------|-------|---|-----------|
| 923950002 | GR-9500/300/4* | 1 | 4 lighting circuits panel. Requires 2 batteries 12V/33Ah (A-1200) | 20500 gr. |
| 923950004 | GR-9500/300/8* | 1 | 8 lighting circuits panel. Requires 2 batteries 12V/33Ah (A-1200) | 20900 gr. |

600VA/1h or 200VA/3h / 230V AC PANELS

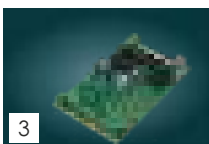
| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|----------------|-------|---|-----------|
| 923950003 | GR-9500/600/8* | 1 | 8 lighting circuits panel. Requires 2 batteries 12V/55Ah (A-1202) | 22500 gr. |

ACCESSORIES ON DEMAND

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|---------------|-------|--|-----------|
| 923951000 | GR-9510 | 3 | 4 zone lighting circuit extension card 230V / 300 Watt | 293 gr. |
| 923853000 | GR-8530 | 4 | Network card through ETHERNET | 32 gr. |
| 923821000 | GR-8210/MONIT | 5 | Monitoring device for CBS systems | 300 gr. |
| 603101233 | A-1200 | - | Lead battery 12V/33Ah for 300W Panel | 9200 gr. |
| 603101255 | A-1202 | - | Lead battery 12V/55Ah for 600W Panel | 15300 gr. |

PERIPHERALS UPON DEMAND

| CODE | TYPE | IMAGE | DESCRIPTION | kg |
|-----------|-------------|-------|---|----------|
| 808385003 | GR-8500/PSC | 6 | Spare power supply for charging (GR-8500, GR-8600, GR-9500) | 1131 gr. |



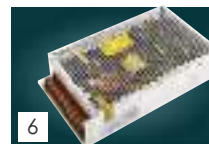
3
GR-9510



4
GR-8530



5
GR-8210/MONIT



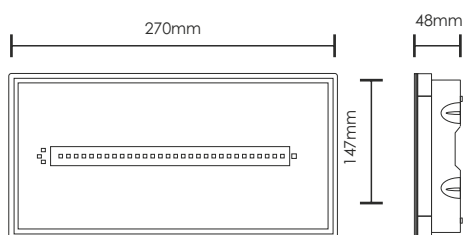
6
GR-8500/PSC

CBS 230V AC OLYMPUS LED



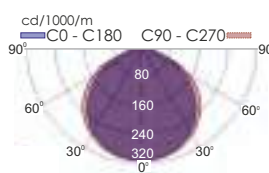
| CODE | TYPE | IMAGE | IP | Wattage | VA | Mains/Emergency | Weight (kg) |
|-----------|----------------------|-------|------|---------|-------|-----------------|-------------|
| 923102406 | OLY-1024/CBS/230V/WP | 2 | IP65 | 4.8W | 5.1VA | 580lm | 700 gr. |
| 923100406 | OLY-1004/CBS/230V/WP | 1 | IP65 | 3.4W | 3.7VA | 380lm | 705 gr. |
| 923102407 | OLY-1024/CBS/230V | 2 | IP42 | 4.8W | 5.1VA | 580lm | 700 gr. |
| 923100407 | OLY-1004/CBS/230V | 1 | IP42 | 3.4W | 3.7VA | 380lm | 705 gr. |

Dimensions

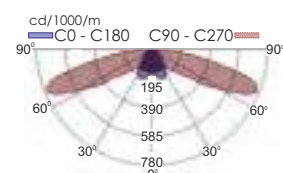


Photometric

OLY-1004



OLY-1024



CBS 230V AC EASY LIGHT

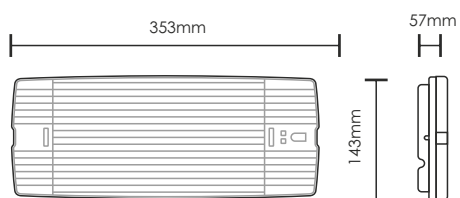


*They have BSI certification



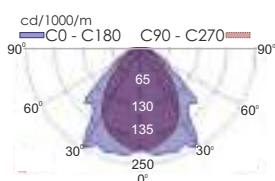
| CODE | TYPE | IP | Wattage | VA | lm | kg |
|-----------|---------------|------|---------|-------|--------|-----------|
| 923324013 | GR-324/4P/A | IP40 | 5.3W | 5.4VA | 460 lm | 725.5 gr. |
| 923325006 | GR-325/6P/A | IP40 | 6.7W | 7VA | 580 lm | 725.5 gr. |
| 923324014 | GR-324/15L/A* | IP40 | 1.5W | 1.9VA | 125 lm | 731 gr. |
| 923324015 | GR-324/30L/A* | IP40 | 2.8W | 3.1VA | 250 lm | 731 gr. |

Dimensions



Photometric

GR-324/4P/A, GR-325/6P/A, GR-324/15L/A*, GR-324/30L/A*



CBS 230V AC EASY LIGHT

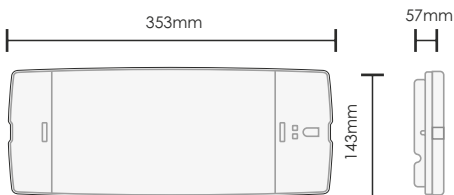


*They have BSI certification



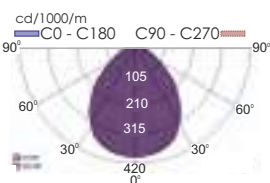
| CODE | TYPE | IP40 | 1,5W/1,9VA | Mains/ Emergency | kg |
|-----------|--------------|------|------------|---------------------|---------|
| 923132400 | GR-1324/15L* | IP40 | 1,5W/1,9VA | 125 lm | 713 gr. |
| 923132401 | GR-1324/30L* | IP40 | 2,8W/3,1VA | 250 lm | 713 gr. |

Dimensions



Photometric

GR-1324/15L, GR-1324/30L



► For accessories & mounting methods go to pages 20-21. For spacing tables go to pages 164-165

CBS 230V AC WEATHER LIGHT

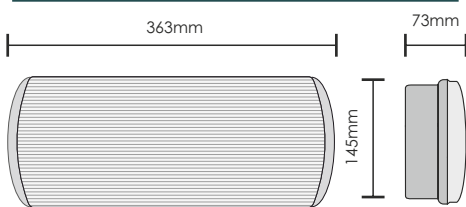


*They have BSI certification

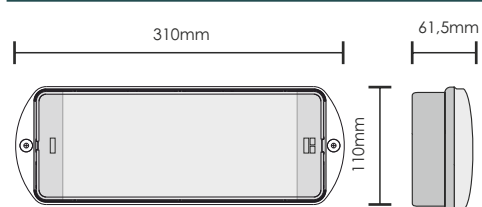


| CODE | TYPE | IMAGE | IP | Wattage | VA | lm | kg |
|-----------|--------------|-------|------|---------|-------|--------|---------|
| 923926005 | GR-926/4P | 1 | IP65 | 5,8W | 6,9VA | 460 lm | 834 gr. |
| 923926006 | GR-926/6P | 1 | IP65 | 6,5W | 6,9VA | 580 lm | 834 gr. |
| 923926007 | GR-926/15L | 1 | IP65 | 1,75W | 2VA | 125 lm | 863 gr. |
| 923926008 | GR-926/30L | 1 | IP65 | 2,9W | 3,2VA | 250 lm | 863 gr. |
| 923192600 | GR-1926/15L* | 2 | IP65 | 1,5W | 1,9VA | 125 lm | 653 gr. |
| 923192601 | GR-1926/30L* | 2 | IP65 | 2,8W | 3,1VA | 250 lm | 653 gr. |
| 923192610 | GR-1926/4P | 2 | IP65 | 5,3W | 5,4VA | 460 lm | 659 gr. |
| 923192611 | GR-1926/6P | 2 | IP65 | 6,3W | 7VA | 580 lm | 659 gr. |

Dimensions

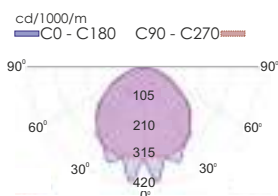


Dimensions



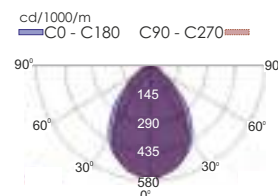
Photometric

GR-926/xx



Photometric

GR-1926/xx



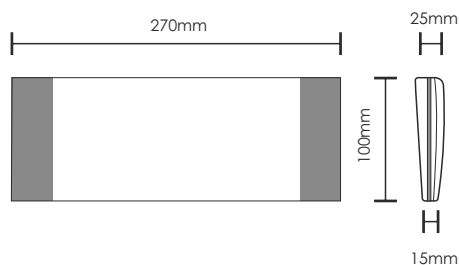
CBS 230V AC SLIM LEDs LIGHT



| CODE | TYPE | IP40 | 1,55W/1,78VA | Mains/ Emergency | kg |
|-----------|-------------|------|--------------|---------------------|---------|
| 923200004 | GR-2000/CBS | | | | 350 gr. |

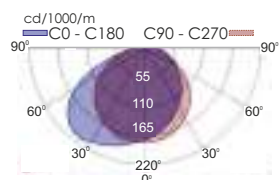
Dimensions

GR-2000



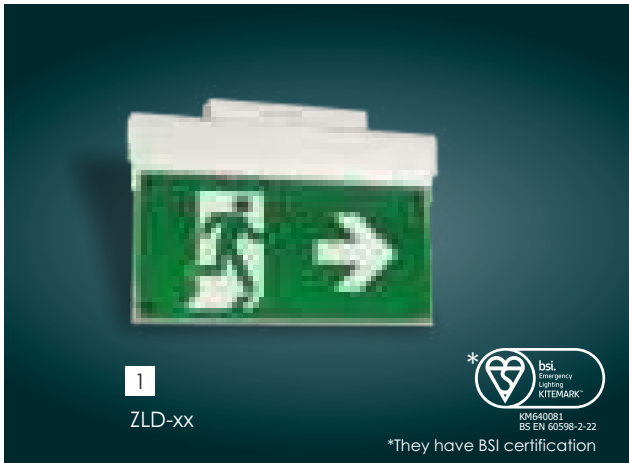
Photometric

GR-2000



► For accessories & mounting methods go to pages 12-13.

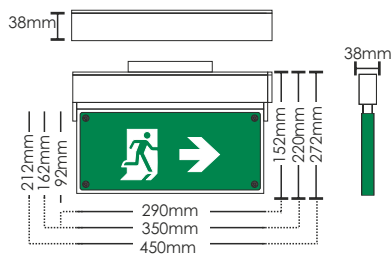
CBS 230V AC ECO LIGHT



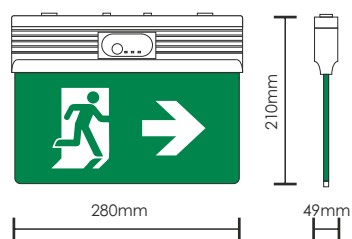
| CODE | TYPE | IMAGE | IP | Power | Lumen | Mains/Emergency | kg |
|-----------|----------------|-------|------|-------------|--------|-----------------|----------|
| 922502863 | ZLD-28/CBS/EM* | 1 | IP40 | 1,9W/2,1VA | 150 lm | | 985 gr. |
| 922503468 | ZLD-34/CBS/EM* | 1 | IP40 | 2,2W/2,42VA | 175 lm | | 1380 gr. |
| 922504459 | ZLD-44/CBS/EM | 1 | IP40 | 2,6W/2,86VA | 200 lm | | 1910 gr. |
| 922502504 | PLD-25/CBS | 2 | IP44 | 1,6W/1,8 VA | 100 lm | | 885 gr. |

Dimensions

ZLD-xx



PLD-25



CBS 230V AC ECO LIGHT



KLR



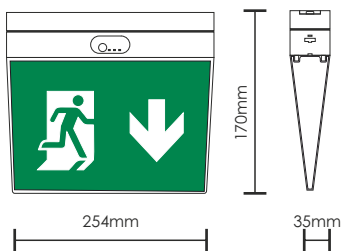
KLD



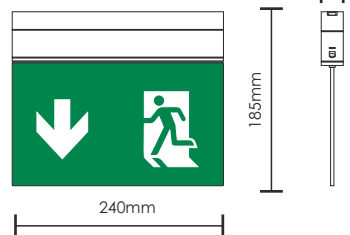
| CODE | TYPE | IMAGE | IP54 | 1,3W/1,7VA | Mains/ Emergency | kg |
|-----------|------------|-------|------|------------|---------------------|----------|
| 922502053 | KLR-20/CBS | 1 | IP54 | 1,3W/1,7VA | 100 lm | 680 gr. |
| 922502203 | KLD-22/CBS | 2 | IP54 | 1,3W/1,7VA | 100 lm | 914 gr. |
| 922503053 | KLD-30/CBS | 3 | IP54 | 1,3W/1,7VA | 100 lm | 1165 gr. |

Dimensions

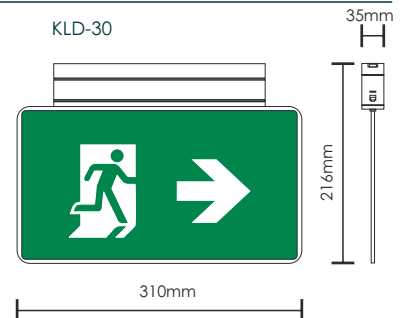
KLR-20



KLD-22



KLD-30



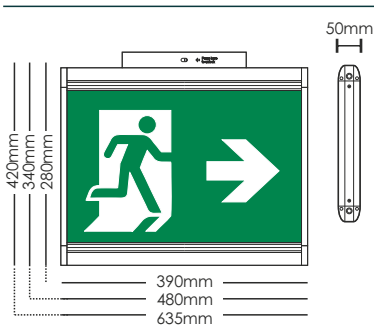
CBS 230V AC PROJECT LIGHT



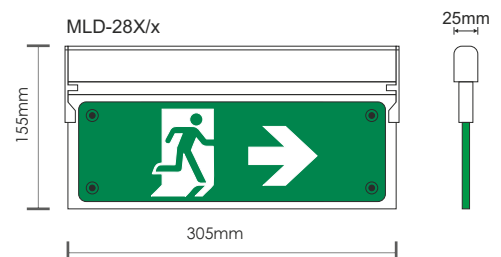
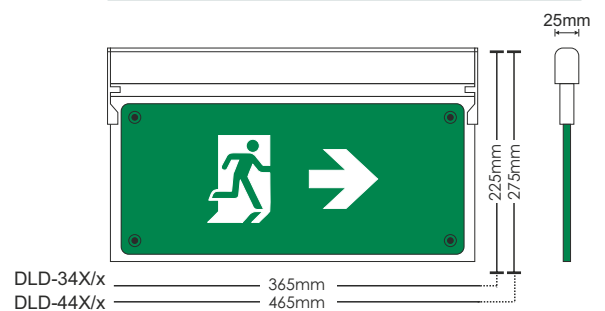
| | | | | | | | | |
|-----------|---------|---------|---------|--|------|--|--|--|
| | GRL-82x | GRL-83x | GRL-84x | | | | | |
| CE | 37m | 49m | 65m | | IP42 | | | |
| | DLD-28x | DLD-34x | DLD-44x | | | | | |
| CE | 16m | 30m | 38m | | IP42 | | | |

| CODE | TYPE | IMAGE | | | | kg |
|-----------|--------------|-------|------|------------|--------|----------|
| 923860302 | GRL-860/EM | 1 | IP42 | 5,4W/5,7VA | 510 lm | 1388 gr. |
| 923870103 | GRL-870/EM | 1 | IP42 | 6,2W/7,4VA | 680 lm | 1955 gr. |
| 923880103 | GRL-880/EM | 1 | IP42 | 8,8W/9,1VA | 850 lm | 2565 gr. |
| 922202870 | DLD-28/CBS/w | 2 | IP42 | 1,5W/4,5VA | 100 lm | 643 gr. |
| 922603401 | DLD-34/CBS/w | 2 | IP42 | 1,5W/4,5VA | 125 lm | 1000 gr. |
| 922604410 | DLD-44/CBS/w | 3 | IP42 | 1,5W/4,5VA | 125 lm | 1620 gr. |

Dimensions



Dimensions

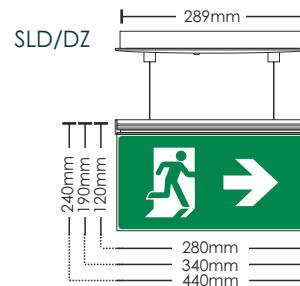
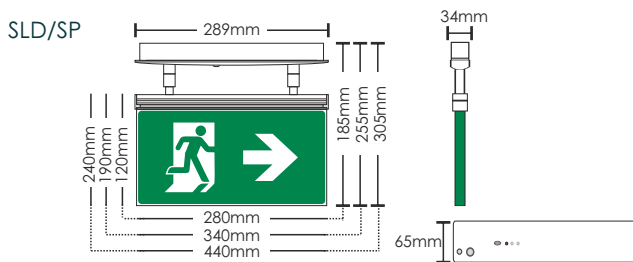


CBS 230V AC LOUNGE LIGHT

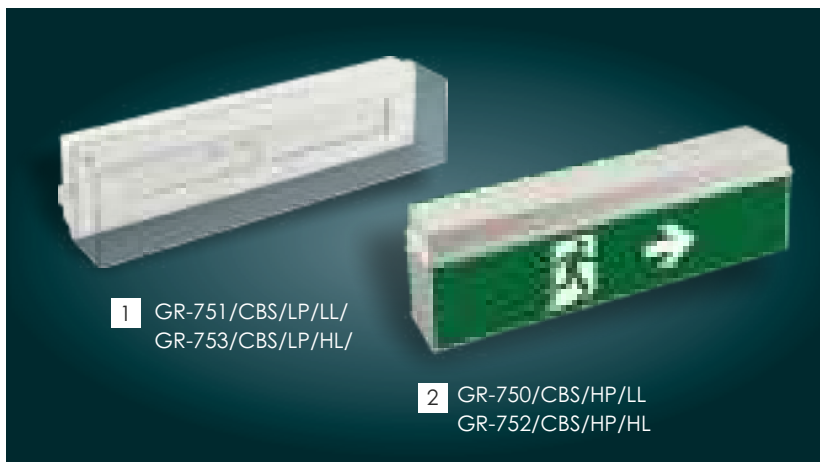


| CODE | TYPE | IMAGE | IP | Wattage | VA | lm | kg |
|-----------|---------------|-------|------|---------|--------|--------|----------|
| 922028009 | SLD-28/CBS/SP | 1 | IP30 | 1,35W | 1,60VA | 100 lm | 930 gr. |
| 922034010 | SLD-34/CBS/SP | 1 | IP30 | 1,65W | 1,9VA | 125 lm | 1260 gr. |
| 922044007 | SLD-44/CBS/SP | 1 | IP30 | 1,65W | 1,9VA | 125 lm | 1970 gr. |
| 922028003 | SLD-28/CBS/DZ | 2 | IP30 | 1,35W | 1,60VA | 100 lm | 930 gr. |
| 922034004 | SLD-34/CBS/DZ | 2 | IP30 | 1,65W | 1,9VA | 125 lm | 1260 gr. |
| 922044003 | SLD-44/CBS/DZ | 2 | IP30 | 1,65W | 1,9VA | 125 lm | 1970 gr. |

Dimensions

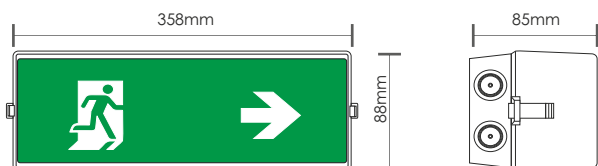


CBS 230V AC BAU LIGHT

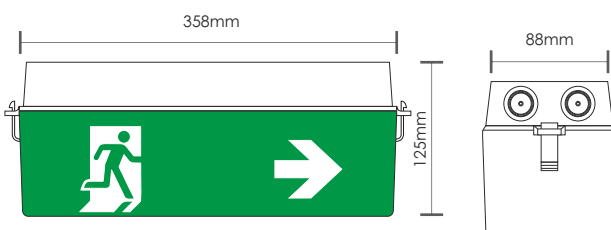


| CODE | TYPE | IMAGE | IP | Power | Lumen | Weight |
|-----------|----------------------------------|-------|------|------------|--------|---------|
| 923750002 | GR-750/CBS/HP/LL LOW LUMINOSITY | 2 | IP54 | 2W/2,3VA | 190 lm | 771 gr. |
| 923751001 | GR-751/CBS/LP/LL LOW LUMINOSITY | 1 | IP54 | 2W/2,3VA | 190 lm | 722 gr. |
| 923752001 | GR-752/CBS/HP/HL HIGH LUMINOSITY | 2 | IP54 | 3,3W/3,6VA | 350 lm | 771 gr. |
| 923753001 | GR-753/CBS/LP/HL HIGH LUMINOSITY | 1 | IP54 | 3,3W/3,6VA | 350 lm | 722 gr. |

Dimensions



LP: Low Profile /deep transparent hood



HP: High Profile/ High opal hood

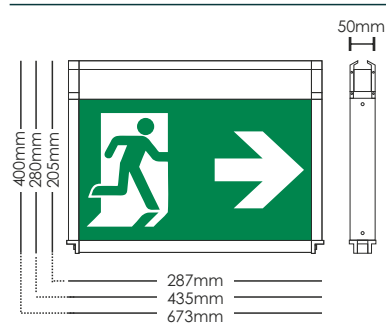
CBS 230V AC LED LIGHT BOX



| CODE | TYPE | IP44 | Power | Mains/Emergency | Weight (kg) |
|-----------|------------|------|------------|-----------------|-------------|
| 923026006 | LLB-26/CBS | IP44 | 2,3W/2,8VA | 255 lm | 963 gr. |
| 923040005 | LLB-40/CBS | IP44 | 3,4W/3,8VA | 410 lm | 1644 gr. |
| 923064005 | LLB-64/CBS | IP44 | 5,8W/6,2VA | 670 lm | 2917 gr. |

LLB-XX/○ All the above models can be manufactured as one sided luminaires with aluminum backplate

Dimensions

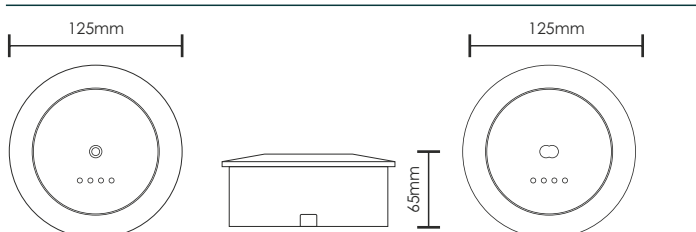


CBS 230V AC SPOT LIGHT



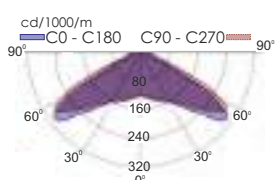
| CODE | TYPE | IMAGE | IP | W | V | VA | INSTALLATION | Mains/ Emergency | kg |
|-----------|---------------------|-------|------|------|-------|----|--------------------|---------------------|---------|
| 923281000 | GR-281* | 1 | IP40 | 2,6W | 3VA | | Open areas | 270lm | 333 gr. |
| 923280000 | GR-280* | 2 | IP40 | 2,6W | 3VA | | Escape routes | 270lm | 333 gr. |
| 923296000 | GR-296/30L/CBS/230V | 3 | IP40 | 2,9W | 3,3VA | | - | 255lm | 340 gr. |
| 923296001 | GR-296/60L/CBS/230V | 3 | IP40 | 5,2W | 5,6VA | | - | 510lm | 340 gr. |
| 923288000 | GR-288 | 4 | IP40 | 2,6W | 3VA | | Points of interest | 270lm | 250 gr. |

Dimensions

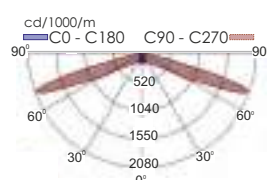


Photometric

GR-281



GR-280

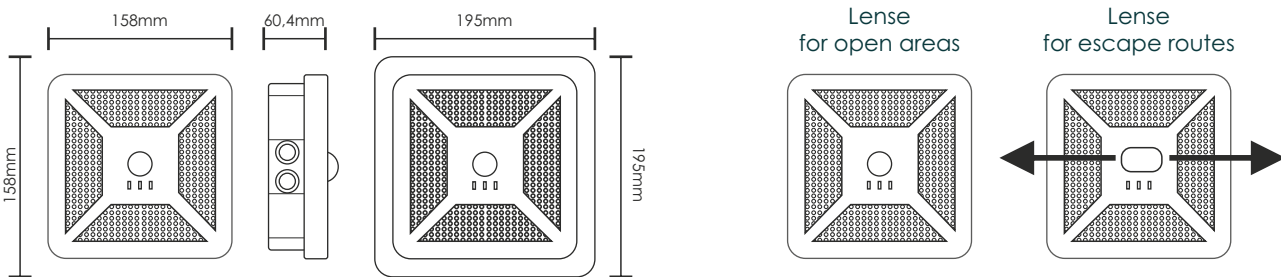


CBS 230V AC TETRAGONO LIGHT

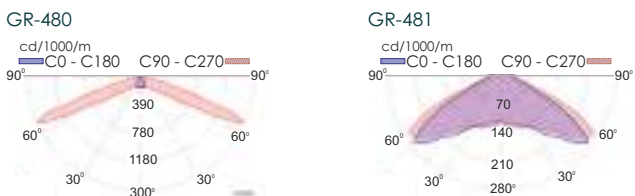


| CODE | TYPE | IP | Power | INSTALLATION | Mains/Emergency | Weight |
|-----------|---------------|------|----------|---------------|-----------------|---------|
| 923480000 | GR-480/CBS/WP | IP65 | 3,2W/4VA | Escape routes | 270m | 627 gr. |
| 923481000 | GR-481/CBS/WP | IP65 | 3,2W/4VA | Open areas | 270m | 630 gr. |
| 923480001 | GR-480/CBS | IP42 | 3,2W/4VA | Escape routes | 270m | 627 gr. |
| 923481001 | GR-481/CBS | IP42 | 3,2W/4VA | Open areas | 270m | 630 gr. |

Dimensions



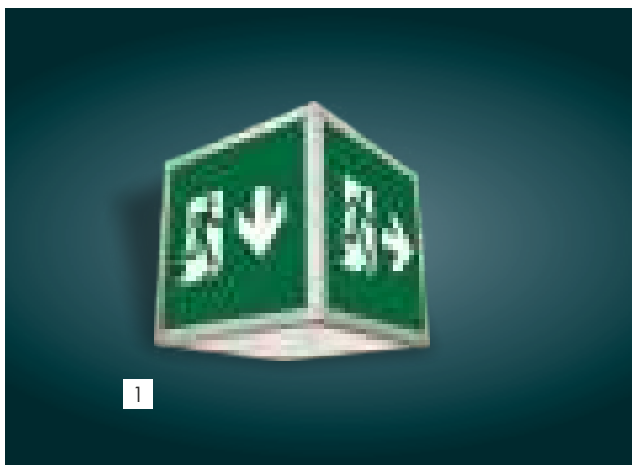
Photometric



► For accessories & mounting methods go to pages 76. For spacing tables go to pages 178-179

CBS 230V AC 3D LIGHT

CBS 230V AC TUNNEL LIGHT



GR-573/L/316Ti/CBS

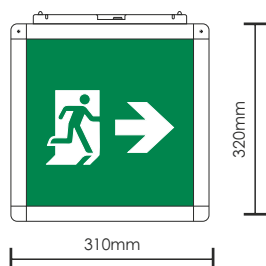


GR-424/1PL

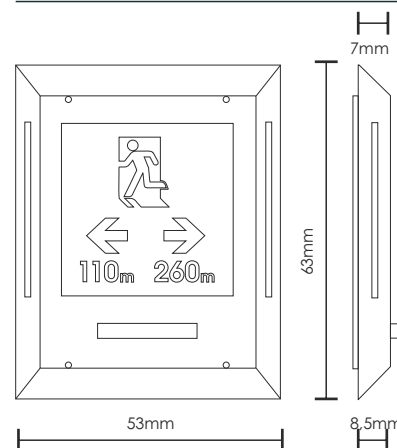


| CODE | TYPE | IMAGE | | | | |
|-----------|--------------------|-------|------|------------|--|----------|
| 923424003 | GR-424/1PL | 1 | IP50 | 4.4W/4.6VA | 500lm | 3170 gr. |
| 923573004 | GR-573/L/316Ti/CBS | 2 | IP66 | 9.6W/9.9VA | 230cd/m2 (sign) / 120cd/m2 (indicatively) | 9200 gr. |

Dimensions



Dimensions



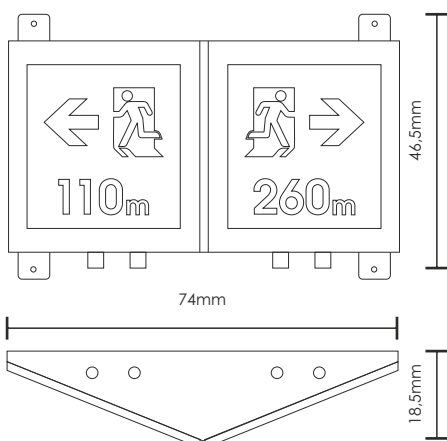
CBS 230V AC TUNNEL LIGHT



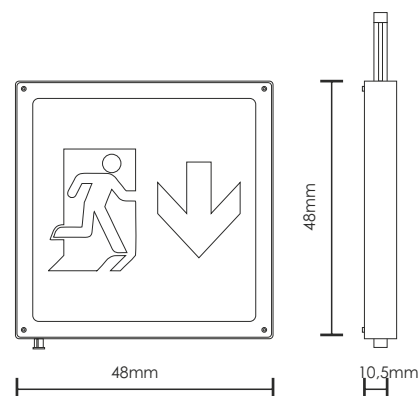
| CODE | TYPE | IMAGE | IP65 | ⚡ | Mains/ Emergency | kg |
|-----------|------------------|-------|------|--------------|---------------------|-----------|
| 923575100 | GR-575/L/WP | 1 | IP65 | 2x6,4W/6,8VA | 1360 lm (2x680) | 10567 gr. |
| 923576100 | GR-576/L/15/WP | 2 | IP65 | 7,2W/7,6VA | 680 lm | - |
| 923576102 | GR-576/L/15/WP/O | 2 | IP65 | 7,2W/7,6VA | 680 lm | - |
| 923576101 | GR-576/L/18/WP | 2 | IP65 | 8,2W/8,7VA | 850 lm | - |
| 923576103 | GR-576/L/18/WP/O | 2 | IP65 | 8,2W/8,7VA | 850 lm | - |

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

Dimensions

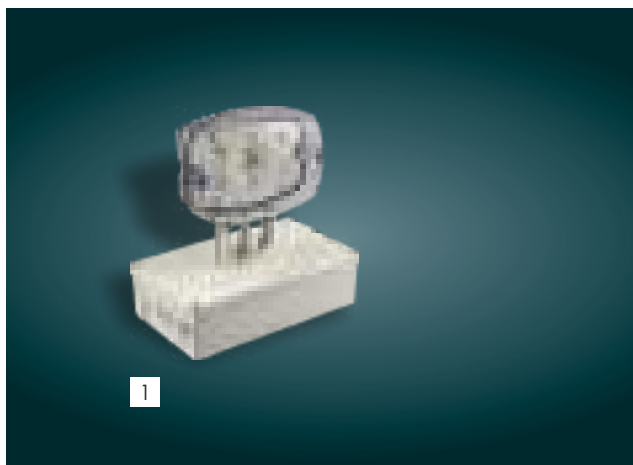






Dimensions



CBS 230V AC GR-200

CBS 230V AC ANTIEXPLOSIVE LED LIGHT



| CODE | TYPE | IMAGE |  |  | Diffuser |  Mains/ Emergency |  |
|-----------|---------------|-------|---|---|---------------|---|---|
| 923200100 | GR-200/CBS/WP | 1 | IP65 | 16W/16.9VA | - | 1850lm | 929 gr. |
| 923411100 | PSL1100 | 2 | IP66 | < 65mA | polycarbonate | 1200lm | 4.300 gr. |
| 923411200 | PSL1200 | 2 | IP66 | < 100mA | polycarbonate | 2200lm | 4.400 gr. |
| 923412200 | PSL2200 | 2 | IP66 | < 100mA | polycarbonate | 2500lm | 5.500 gr. |
| 923412400 | PSL2400 | 2 | IP66 | < 180mA | polycarbonate | 4200lm | 5.600 gr. |
| 923413400 | PSL3400 | 2 | IP66 | < 180mA | polycarbonate | 4900lm | 10.300 gr. |

ACCESSORIES
MARKING
SIGNS

ACCESSORIES / REPLACEMENTS

| | | |
|----------------|------------|--|
| A-1015 | 927101500 | Recess mounting base for Classic Light |
| A-1018/PL | 927101801 | Recess mounting base for MLD-28 |
| A-1018/PL/ST | 927101802 | Recess mounting base for self-testing luminaires ZLD-28 |
| A-1020/PL | 927102001 | Recess mounting base MLD-34, DLD-34 |
| A-1020/PL/ST | 9271 02002 | Recess mounting base for self-testing luminaires ZLD-34 |
| A-1900 | 927190000 | Magnetic test card |
| A-2000/W | 927200000 | Set left - right decorative covers for GR-2000 (white color) |
| A-2000/B | 927200001 | Set left - right decorative covers for GR-2000 (bronze color) |
| A-2000/BLACK | 927200004 | Set left - right decorative covers for GR-2000 (black color) |
| A-3008 | 927300800 | Base for recessed mounting on suspended ceiling (A-3018 mounting springs are included) |
| A-9100 | 927910001 | Double sided diffuser for Weather Light GR-19xx |
| A-9100/ST | 927910000 | Double sided diffuser for self-testing luminaires for Weather Light GR-19xx |
| A-1017 | 927101700 | Plastic double sided diffuser for Weather Light GR-9xx |
| A-1130 | 927311300 | Set of accessories (1m) for ceiling mounting (silver) |
| A-1131 | 927311310 | Set of accessories (0,5m) for ceiling mounting (silver) |
| A-1132 | 927311320 | Set of accessories (0,25m) for ceiling mounting (silver) |
| A-1133 | 927311330 | Accessory for vertical wall mounting (silver) (Only for ZLD 28/34 EM) |
| A-1134 | 927311340 | Accessory for wall mounting (silver) |
| A-1135 | 927311350 | Accessory for vertical wall mounting (For LLB-26/90/180) |
| A-1136 | 927311360 | Accessory set for ceiling mounted hanging installations with 0,25m cable (For LLB-26 & LLB-40) |
| A-2130 | 927321300 | Set of accessories for ceiling mounting (1m) (white) |
| A-2131 | 927321310 | Set of accessories for ceiling mounting (0,5m) (white) |
| A-2132 | 927321320 | Set of accessories for ceiling mounting (0,25m) (white) |
| A-2133 | 927321330 | Accessory set for vertical wall mounting for "KLR", "KLD" & "PLD"(white) |
| A-2136 | 927321360 | Accessory set for ceiling mounted hanging installations with 2,5m cable |
| A-2510/PL | 927251001 | Suspended mounting base for luminaires without Autotest |
| A-2510/PL/ST/M | 927251002 | Suspended mounting base for Self-testing luminaires |
| A-2520/PL | 927252001 | Suspended ceiling base |
| A-2520/PL/ST | 927252000 | Suspended ceiling base for self-testing luminary KLD-xx |
| A-3018 | 980330180 | Suspended ceiling mounting springs |
| A-9000 | 927900001 | Ceiling bracket for GR-9xx/xxL |
| A-FSA | 808700069 | Mounting base |
| GR-6079 | 923607900 | Addressable module for LED GR-1107xx and fluorescent lamp converters GR-1004xx |
| GR-8210/MONIT | 923821000 | Monitoring device for CBS systems |
| GR-8500/PS | 808385002 | Spare power supply for maintained operation (GR-8500, GR-8600) |
| GR-8500/PSC | 808385003 | Spare power supply for charging (GR-8500, GR-8600, GR-9500) |
| GR-8510 | 923851000 | 4 zone lighting circuit extension card 24V/300 Watt |
| GR-8530 | 923853000 | Network card through ETHERNET |
| GR-8610 | 923861000 | 4 zone lighting circuit extension card for addressable luminaires CBS 24V/300 Watt |
| GR-9510 | 923951000 | 4 zone lighting circuit extension card 230V/300 Watt |
| IRT200A | 927200100 | Remote control for GR-2000 (15 keys) |
| NPT34 | 751500102 | Sealing grommet |
| SP-1100/RLDUB | 922110005 | Double sided Plexiglass 6mm marking panel for all directions (For Olympus series) |
| SP-1008/RLDUB | 922100800 | Double sided Plexiglass 4mm marking panel for all directions (For GR-8 & GR-9 leds) |
| SP-116/RLDUB | 922116006 | Double sided Plexiglass 4mm marking panel for all directions (For Easy Light) |

BATTERIES

Batteries (1 year Guarantee)

| Type | Code | Description |
|--------------------|-----------|---|
| 3.6V / 240mAh NiMH | 601303220 | Battery 3,2V/2Ah LiFePO4 |
| A-918/HT | 601303220 | Battery 3,2V/2Ah LiFePO4 |
| A-926 | 601003606 | Battery 3,6V/600mAh Ni-Cd |
| A-931/HT | 601233610 | Battery 3,6V/1000mAh HT NiCd |
| A-938/HT | 601223610 | Battery 3,6V/1Ah Ni-Cd |
| A-947 | 601103601 | Battery 3,6V/120mAh Ni-Mh |
| A-965/HT | 601103612 | Battery 3,6V/1,2Ah Ni-Mh |
| A-986 | 603001270 | Battery 12V/7Ah |
| B-1250/HT | 808001250 | Battery 8V/6Ah Ni-Cd |
| B-925/HT | 601404820 | Battery 4,8V/2Ah lithium-titanate-oxide (LTO) |
| B-936/HT60SC | 601134840 | Battery 4,8V/4Ah Ni-Mh |
| B-941/HT | 601214830 | Battery 4,8V/3Ah Ni-Cd |
| B-949/HT | 601233630 | Battery 3,6V/3Ah Ni-Cd |
| B-954/HT | 601134820 | Battery 4,8V/2Ah Ni-Mh |
| B-972/HT | 601213615 | Battery 3,6V/1,5Ah HT Ni-Cd |
| B-973/HT | 601214815 | Battery 4,8V/1,5Ah HT Ni-Cd |
| B-975/HT | 601133640 | Battery 4,8V/3Ah Ni-Cd |
| C-930/HT | 601104812 | Battery 4,8V/1,2Ah Ni-Mh |
| GR-71 | 923071000 | Battery Set Ni-Cd 8,4V/1,5Ah |
| GR-72 | 923072000 | Battery Set Ni-Cd 8,4V/3Ah |
| GR-81 | 923081000 | Battery Set Ni-Cd 6V/1,5Ah |
| GR-82 | 923082015 | Battery Set Ni-Cd 6V/3Ah |

MARKING SIGNS



SP-214/S229



SP-214/S228



SP-214/S232



SP-215/S65R
SP-216/S65R

Please mention the type of the sign with extension of the required marking diagram e.g. SP-214/S229

- For orders with new designs upon customers demand will be extra cost
- They are installed in areas where proper information and guidance of the public is required without safety lighting requirements.
- The symbols below comply with the European Norms.

| SAFE CONDITION SIGNS | <p>E001 Emergency exit (left hand)</p> | <p>E002 Emergency exit (right hand)</p> | <p>E003 First aid</p> | <p>E004 Emergency telephone</p> | <p>E005 Direction, arrow (90° increments), safe condition</p> | <p>E006 Direction, 45° arrow (90° increments), safe condition</p> | <p>E007 Evacuation assembly point</p> | <p>E008 Break to obtain access</p> | <p>E009 Doctor</p> | <p>E010 Automated external heart defibrillator</p> | <p>E011 Eyewash station</p> | <p>E012 Safety shower</p> | |
|------------------------|---|--|---|--|--|--|---|---|---|---|--|---|--|
| | <p>E013 Stretcher</p> | <p>E016 Emergency window with escape ladder</p> | <p>E017 Rescue window</p> | <p>E018 Turn anticlockwise to open</p> | <p>E019 Turn clockwise to open</p> | | | | | | | | |
| FIRE EQUIPMENT SIGNS | <p>F001 Fire extinguisher</p> | <p>F002 Fire hose reel</p> | <p>F003 Fire ladder</p> | <p>F004 Collection of fire fighting equipment</p> | <p>F005 Fire alarm call point</p> | <p>F006 Fire emergency telephone</p> | | | | | | | |
| | | | | | | | | | | | | | |
| MANDATORY ACTION SIGNS | <p>M001 General mandatory action sign</p> | <p>M002 Refer to instruction manual/booklet</p> | <p>M003 Wear ear protection</p> | <p>M004 Wear eye protection</p> | <p>M005 Connect an earth terminal to the ground</p> | <p>M006 Disconnect mains plug from electrical outlet</p> | <p>M007 Opaque eye protection must be worn</p> | <p>M008 Wear safety footwear</p> | <p>M009 Wear protective gloves</p> | <p>M010 Wear protective clothing</p> | <p>M011 Wash your hands</p> | <p>M012 Use handrail</p> | <p>M013 Wear a face shield</p> |
| | <p>M014 Wear head protection</p> | <p>M015 Wear high-visibility clothing</p> | <p>M016 Wear a mask</p> | <p>M017 Wear respiratory protection</p> | <p>M018 Wear a safety harness</p> | <p>M019 Wear a welding mask</p> | <p>M020 Wear safety belts</p> | <p>M021 Disconnect before carrying out maintenance or repair</p> | <p>M022 Use barrier cream</p> | <p>M023 Use footbridge</p> | <p>M024 Use this walkway</p> | <p>M025 Protect infants' eyes with opaque eye protection</p> | <p>M026 Use protective apron</p> |
| PROHIBITION SIGNS | <p>P001 General prohibition sign</p> | <p>P002 No smoking</p> | <p>P003 No open flame. Fire, open ignition source and smoking prohibited</p> | <p>P004 No thoroughfare</p> | <p>P005 Not drinking water</p> | <p>P006 No access for forklift trucks & other industrial vehicles</p> | <p>P007 No access for people with active implanted cardiac devices</p> | <p>P008 No metallic articles or watches</p> | <p>P010 Do not touch</p> | <p>P011 Do not extinguish with water</p> | <p>P012 No heavy load</p> | <p>P013 No activated mobile phones</p> | <p>P014 No access for people with metallic implants</p> |
| | <p>P015 No reaching in</p> | <p>P017 No pushing</p> | <p>P018 No sitting</p> | <p>P019 No stepping on surface</p> | <p>P020 Do not use lift in the event of fire</p> | <p>P021 No dogs</p> | <p>P022 No eating or drinking</p> | <p>P023 Do not obstruct</p> | <p>P024 Do not walk or stand here</p> | <p>P025 Do not use this incomplete scaffold</p> | <p>P026 Do not use this device in a bathtub, shower or water-filled reservoir</p> | <p>P027 Do not use this lift for people</p> | <p>P028 Do not wear gloves</p> |
| WARNING SIGNS | <p>W001 General warning sign</p> | <p>W002 Warning: Explosive material</p> | <p>W003 Warning: Radioactive material or ionizing radiation</p> | <p>W004 Warning: Laser beam</p> | <p>W005 Warning: Non-ionizing radiation</p> | <p>W006 Warning: Magnetic field</p> | <p>W007 Warning: Floor-level obstacle</p> | <p>W008 Warning: Drop (fall)</p> | <p>W009 Warning: Biological hazard</p> | <p>W010 Warning: Low temperature/freezing conditions</p> | <p>W011 Warning: Slippery surface</p> | <p>W012 Warning: Electricity</p> | <p>W013 Warning: Guard dog</p> |
| | <p>W014 Warning: Forklift trucks and other industrial vehicles</p> | <p>W015 Warning: Overhead load</p> | <p>W016 Warning: Toxic material</p> | <p>W017 Warning: Hot surface</p> | <p>W018 Warning: Automatic start-up</p> | <p>W019 Warning: Crushing</p> | <p>W020 Warning: Overhead obstacle</p> | <p>W021 Warning: Flammable material</p> | <p>W022 Warning: Sharp element</p> | <p>W023 Warning: Corrosive substance</p> | <p>W024 Warning: Crushing of hands</p> | <p>W025 Warning: Countertrotating rollers</p> | <p>W026 Warning: Battery charging</p> |

PHOTO LUMINESCENT MARKING SIGNS FOR SHIPS

The symbols below comply with the European Norms.

| | | | | | | | | |
|---|---|---|---|---|--|---|---|---|
|  IMO101 |  IMO111 |  IMO203 |  IMO213 |  IMO223 |  IMO233 |  IMO243 |  IMO406 |  IMO417 |
|  IMO102 |  IMO112 |  IMO204 |  IMO214 |  IMO224 |  IMO234 |  IMO244 |  IMO408 |  IMO418 |
|  IMO103 |  IMO113 |  IMO205 |  IMO215 |  IMO225 |  IMO235 |  IMO301 |  IMO409 |  IMO419 |
|  IMO104 |  IMO114 |  IMO206 |  IMO216 |  IMO226 |  IMO236 |  IMO302 |  IMO410 |  IMO420 |
|  IMO105 |  IMO115 |  IMO207 |  IMO217 |  IMO227 |  IMO237 |  IMO401 |  IMO411 |  IMO421 |
|  IMO106 |  IMO116 |  IMO208 |  IMO218 |  IMO228 |  IMO238 |  IMO402 |  IMO412 |  IMO422 |
|  IMO107 |  IMO117 |  IMO209 |  IMO219 |  IMO229 |  IMO239 |  IMO403 |  IMO413 |  IMO423 |
|  IMO108 |  IMO118 |  IMO210 |  IMO220 |  IMO230 |  IMO240 |  IMO404 |  IMO414 |  IMO424 |
|  IMO109 |  IMO201 |  IMO211 |  IMO221 |  IMO231 |  IMO241 |  IMO405 |  IMO415 |  IMO425 |
|  IMO110 |  IMO202 |  IMO212 |  IMO222 |  IMO232 |  IMO242 |  IMO406 |  IMO416 |  IMO426 |
| | | | | | |  IMO427 |  IMO428 |  IMO429 |



SPACING TABLES

Escape routes. Spacing table is based on following parameters:





| | |
|--|--------|
| Maintenance factor: | 1.0 |
| Emergency lighting factor: | 1.0 |
| Minimum illuminance on center line: | 1.0 lx |
| Minimum illuminance on half of escape route width: | 0.5 lx |
| Diversity on the centre line max | 40: 1 |
| Width of the escape route: | 2.0 m |

Anti-panic areas. Spacing table is based on following parameters:





| | |
|---|---------|
| Maintenance factor: | 1.0 |
| Emergency light factor: | 1.0 |
| Minimum illuminance in anti-panic area: | 0.50 lx |
| E _{max} / E _{min} | 40: 1 |
| Distance from the wall: | 0.50m |

SLIM LIGHT

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| GR-8/leds | 2 | 2.26 | 5.51 | 5.82 | 2.37 |
| GR-9/leds | 2,5 | 2.43 | 6.08 | 6.40 | 2.54 |
| | 3 | 2.53 | 6.53 | 6.84 | 2.62 |
| | 3,5 | 2.53 | 6.87 | 7.18 | 2.61 |
| | 4 | 2.44 | 7.09 | 7.38 | 2.51 |
| | 4,5 | 2.23 | 7.17 | 7.44 | 2.31 |
| | 5 | 1.82 | 7.16 | 7.38 | 1.92 |
| | 5,5 | 1.08 | 7.00 | 7.19 | 1.15 |
| | 6 | 0.00 | 6.67 | 6.88 | 0.00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| GR-8/leds | 2 | 2.73 | 6.55 | 6.93 | 2.87 |
| GR-9/leds | 2,5 | 3.02 | 7.31 | 7.73 | 3.17 |
| | 3 | 3.24 | 7.98 | 8.40 | 3.39 |
| | 3,5 | 3.41 | 8.54 | 8.98 | 3.55 |
| | 4 | 3.52 | 9.01 | 9.44 | 3.65 |
| | 4,5 | 3.57 | 9.40 | 9.83 | 3.68 |
| | 5 | 3.55 | 9.71 | 10.13 | 3.66 |
| | 6 | 3.31 | 10.07 | 10.45 | 3.38 |
| | 7 | 2.63 | 10.11 | 10.41 | 2.66 |
| | 8 | 0.56 | 9.74 | 10.00 | 0.56 |
| | 9 | 0.00 | 8.02 | 8.25 | 0.00 |

CLASSIC LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|----------------|------------|---|---|---|---|
| GR-108/12L/90 | 2 | 2.27 | 5.80 | 4.82 | 2.34 |
| GR-109/12L/180 | 2,5 | 2.32 | 6.21 | 5.00 | 2.39 |
| | 3 | 2.25 | 6.42 | 4.94 | 2.27 |
| | 3,5 | 1.91 | 6.51 | 4.76 | 2.04 |
| | 4 | 1.73 | 6.50 | 4.52 | 1.74 |
| | 5 | 0.07 | 4.83 | 6.60 | 0.83 |
| | 6 | 0.00 | 1.52 | 4.64 | 0.00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|----------------|------------|---|---|---|---|
| GR-108/12L/90 | 2 | 2.85 | 7.18 | 6.04 | 2.95 |
| GR-109/12L/180 | 2,5 | 3.06 | 7.78 | 6.55 | 3.19 |
| | 3 | 3.17 | 8.29 | 6.88 | 3.33 |
| | 3,5 | 3.21 | 8.72 | 7.05 | 3.38 |
| | 4 | 3.21 | 8.98 | 7.08 | 3.34 |
| | 5 | 2.57 | 9.15 | 9.53 | 2.61 |
| | 6 | 0.73 | 8.58 | 9.11 | 1.84 |
| | 7 | 0.15 | 6.74 | 8.18 | 0.00 |
| | 8 | 0.00 | 2.50 | 5.52 | 0.00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-151-3/L | 2 | 2.01 | 5.28 | 4.27 | 2.05 |
| | 2,5 | 1.97 | 5.55 | 4.29 | 1.99 |
| | 3 | 1.70 | 5.65 | 4.08 | 1.73 |
| | 3,5 | 1.46 | 5.63 | 3.84 | 1.41 |
| | 4 | 0.30 | 5.10 | 3.56 | 0.83 |
| | 5 | 0.00 | 2.81 | 4.60 | 0.00 |

Open area, 0.5Lux floor luminosity




| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-151-3/L | 2 | 2.59 | 6.57 | 5.50 | 2.68 |
| | 2,5 | 2.72 | 7.11 | 5.88 | 2.85 |
| | 3 | 2.78 | 7.54 | 6.06 | 2.90 |
| | 3,5 | 2.77 | 7.80 | 6.08 | 2.85 |
| | 4 | 2.48 | 7.92 | 5.97 | 2.68 |
| | 5 | 0.68 | 7.71 | 7.89 | 1.63 |
| | 6 | 0.17 | 5.84 | 6.93 | 0.00 |
| | 7 | 0.00 | 2.08 | 4.24 | 0.00 |

EASY LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------|------------|---|---|---|---|
| GR-315/15L/A | 2 | 2.35 | 5.84 | 5.48 | 2.14 |
| GR-316/15L/A | 2,5 | 2.23 | 6.20 | 5.86 | 2.18 |
| GR-310/15L/A | 3 | 2.18 | 6.25 | 6.07 | 2.11 |
| GR-312/15L/A | 3,5 | 1.80 | 6.29 | 6.07 | 1.93 |
| | 4 | 1.41 | 6.19 | 6.03 | 1.56 |
| | 5 | 0.00 | 4.94 | 5.20 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------|------------|---|---|---|---|
| GR-315/15L/A | 2 | 2.87 | 6.99 | 6.79 | 2.75 |
| GR-316/15L/A | 2,5 | 3.16 | 7.76 | 7.40 | 2.91 |
| GR-310/15L/A | 3 | 3.22 | 8.33 | 7.88 | 3.01 |
| GR-312/15L/A | 3,5 | 3.11 | 8.66 | 8.24 | 3.05 |
| | 4 | 3.07 | 8.72 | 8.44 | 3.01 |
| | 4,5 | 2.48 | 8.84 | 8.55 | 2.62 |
| | 5 | 1.78 | 8.46 | 8.35 | 1.59 |
| | 6 | 0.00 | 7.02 | 7.36 | 0.00 |

EASY LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|--------------|------------|------|-------|-------|------|
| GR-315/30L/A | 2 | 3.19 | 7.74 | 7.54 | 3.10 |
| GR-316/30L/A | 2,5 | 3.54 | 8.59 | 8.25 | 3.34 |
| GR-310/30L/A | 3 | 3.82 | 9.34 | 8.82 | 3.51 |
| GR-312/30L/A | 3,5 | 3.89 | 9.92 | 9.30 | 3.61 |
| | 4 | 3.76 | 10.28 | 9.68 | 3.64 |
| | 5 | 3.64 | 10.44 | 10.14 | 3.53 |
| | 6 | 2.86 | 10.54 | 10.14 | 3.14 |
| | 7 | 2.25 | 10.14 | 9.96 | 2.22 |
| | 8 | 0.00 | 8.69 | 9.15 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|--------------|------------|------|-------|-------|------|
| GR-315/30L/A | 2 | 3.89 | 9.35 | 9.14 | 3.77 |
| GR-316/30L/A | 2,5 | 4.23 | 10.27 | 10.11 | 4.15 |
| GR-310/30L/A | 3 | 4.6 | 11,19 | 10,91 | 4,46 |
| GR-312/30L/A | 3,5 | 4.95 | 12.03 | 11.61 | 4.70 |
| | 4 | 5.25 | 12.81 | 12.21 | 4.87 |
| | 5 | 5.45 | 14,00 | 13,20 | 5,08 |
| | 6 | 5.23 | 14,61 | 13,88 | 5,13 |
| | 7 | 5.13 | 14,71 | 14,30 | 4,99 |
| | 8 | 4.51 | 14,76 | 14,30 | 4,64 |
| | 9 | 3.72 | 14,75 | 14,31 | 3,99 |
| | 10 | 3.09 | 14,22 | 14,01 | 2,87 |
| | 11 | 0.00 | 12,78 | 13,19 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|-------|-------|------|
| GR-315/4P/A | 2 | 3.21 | 7.51 | 6.83 | 2.81 |
| GR-316/4P/A | 2,5 | 3.59 | 8.48 | 7.54 | 3.08 |
| GR-310/4P/A | 3 | 3.73 | 9.37 | 8.16 | 3.28 |
| GR-312/4P/A | 3,5 | 3.71 | 10.10 | 8.68 | 3.45 |
| | 4 | 3.80 | 10.52 | 9.11 | 3.56 |
| | 5 | 3.80 | 10.51 | 9.79 | 3.59 |
| | 6 | 3.22 | 10.87 | 10.13 | 3.36 |
| | 7 | 2.68 | 10.79 | 10.16 | 2.84 |
| | 8 | 0.90 | 9.86 | 9.84 | 1.82 |
| | 9 | 0.00 | 8.28 | 9.13 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|-------|-------|------|
| GR-315/4P/A | 2 | 3.75 | 9.06 | 8.41 | 3.36 |
| GR-316/4P/A | 2,5 | 4.24 | 10.01 | 9.09 | 3.72 |
| GR-310/4P/A | 3 | 4.67 | 10.97 | 9.84 | 4.04 |
| GR-312/4P/A | 3,5 | 5.00 | 11.93 | 10.54 | 4.30 |
| | 4 | 5.16 | 12.85 | 11.19 | 4.51 |
| | 5 | 5.22 | 14.27 | 12.26 | 4.84 |
| | 6 | 5.40 | 14.72 | 13.08 | 5.00 |
| | 7 | 5.33 | 14.79 | 13.73 | 4.99 |
| | 8 | 4.85 | 15.17 | 14.13 | 4.79 |
| | 9 | 4.12 | 15.38 | 14.26 | 4.40 |
| | 10 | 3.73 | 15.10 | 14.19 | 3.72 |
| | 11 | 1.76 | 14.21 | 13.89 | 2.67 |
| | 12 | 0.27 | 12.77 | 13.20 | 0.00 |
| | 13 | 0.00 | 11.49 | 12.33 | 0.00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|-------|-------|------|
| GR-315/6P/A | 2 | 3.44 | 8.09 | 8.80 | 3.69 |
| GR-316/6P/A | 2,5 | 3.91 | 9.10 | 9.84 | 4.11 |
| GR-310/6P/A | 3 | 4.20 | 10.08 | 10.75 | 4.46 |
| GR-312/6P/A | 3,5 | 4.48 | 11.02 | 11.58 | 4.75 |
| | 4 | 4.71 | 11.62 | 12.31 | 4.99 |
| | 5 | 5.08 | 12.73 | 13.49 | 5.33 |
| | 6 | 5.25 | 13.64 | 14.39 | 5.43 |
| | 7 | 5.22 | 14.33 | 15.04 | 5.25 |
| | 8 | 4.78 | 14.76 | 15.34 | 4.76 |
| | 9 | 4.27 | 14.89 | 15.27 | 3.91 |
| | 10 | 2.49 | 14.73 | 14.78 | 2.49 |
| | 11 | 0.00 | 13.96 | 13.86 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|-------|-------|------|
| GR-315/6P/A | 2 | 3.61 | 8.83 | 9.54 | 4.05 |
| GR-316/6P/A | 2,5 | 4.51 | 10.69 | 11.63 | 4.89 |
| GR-310/6P/A | 3 | 5.03 | 11.77 | 12.78 | 5.35 |
| GR-312/6P/A | 3,5 | 5.49 | 12.80 | 13.81 | 5.76 |
| | 4 | 5.79 | 13.77 | 14.74 | 6.13 |
| | 5 | 6.35 | 15.64 | 16.42 | 6.72 |
| | 6 | 6.81 | 16.81 | 17.82 | 7.17 |
| | 7 | 7.15 | 17.91 | 18.96 | 7.49 |
| | 8 | 7.37 | 18.86 | 19.92 | 7.65 |
| | 9 | 7.43 | 19.70 | 20.70 | 7.63 |
| | 10 | 7.35 | 20.32 | 21.28 | 7.39 |
| | 11 | 6.96 | 20.76 | 21.62 | 6.93 |
| | 12 | 6.31 | 21.00 | 21.73 | 6.24 |
| | 13 | 5.91 | 21.04 | 21.51 | 5.22 |
| | 14 | 3.60 | 20.87 | 21.01 | 3.80 |
| | 15 | 0.00 | 20.22 | 20.18 | 0.00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------------|------------|------|------|------|------|
| GR-310/12L/90/A | 2 | 2.28 | 5.75 | 5.39 | 2.10 |
| GR-310/12L/180/A | 2,5 | 2.17 | 6.07 | 5.74 | 2.12 |
| | 3 | 2.11 | 6.08 | 5.94 | 2.04 |
| | 3,5 | 1.68 | 6.16 | 5.92 | 1.83 |
| | 4 | 1.35 | 5.99 | 5.85 | 1.42 |
| | 5 | 0.00 | 4,67 | 5,95 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------------|------------|------|------|------|------|
| GR-310/12L/90/A | 2 | 2.83 | 6.90 | 6.69 | 2.70 |
| GR-310/12L/180/A | 2,5 | 3.10 | 7.65 | 7.28 | 2.85 |
| | 3 | 3.13 | 8.19 | 7.75 | 2.95 |
| | 3,5 | 3.02 | 8.48 | 8.08 | 2.97 |
| | 4 | 2.98 | 8.53 | 8.28 | 2.91 |
| | 5 | 2.31 | 8.62 | 8.34 | 2.48 |
| | 6 | 0.71 | 8.09 | 8.03 | 1.23 |
| | 7 | 0.00 | 6,67 | 6,98 | 0,00 |

EASY LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------------|------------|------|------|------|------|
| GR-308/15L/A | 2 | 2.78 | 6.74 | 6.45 | 2.61 |
| GR-309/15L/A | 2,5 | 3.01 | 7.43 | 6.99 | 2.75 |
| GR-324/15L/24VDC | 3 | 2.92 | 7.88 | 7.41 | 2.81 |
| | 3,5 | 2.85 | 8.04 | 7.66 | 2.79 |
| | 4 | 2.77 | 8.03 | 7.84 | 2.69 |
| | 5 | 1.94 | 8.04 | 7.81 | 2.14 |
| | 6 | 0.02 | 6.97 | 7.22 | 0.27 |
| | 7 | 0.00 | 4.89 | 5.32 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------------|------------|------|-------|-------|------|
| GR-308/15L/A | 2 | 3.30 | 8.03 | 7.89 | 3.24 |
| GR-309/15L/A | 2,5 | 3.67 | 8.93 | 8.67 | 3.52 |
| GR-324/15L/24VDC | 3 | 3.99 | 9.72 | 9.31 | 3.72 |
| | 3,5 | 4.20 | 10.39 | 9.84 | 3.84 |
| | 4 | 4.15 | 10.89 | 10.29 | 3.92 |
| | 5 | 3.99 | 11.29 | 10.83 | 3.92 |
| | 6 | 3.63 | 11.34 | 11.01 | 3.64 |
| | 7 | 2.81 | 11.33 | 11.02 | 3.02 |
| | 8 | 0.81 | 10.61 | 10.58 | 1.58 |
| | 9 | 0.00 | 9.09 | 9.56 | 0.00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|--------------------|------------|------|-------|-------|------|
| GR-324/30L/24VDC/A | 2 | 3.36 | 8.15 | 7.99 | 3.28 |
| | 2,5 | 3.73 | 9.05 | 8.76 | 3.57 |
| | 3 | 4.06 | 9.85 | 9.38 | 3.78 |
| | 3,5 | 4.28 | 10.54 | 9.91 | 3.91 |
| | 4 | 4.26 | 11.05 | 10.37 | 3.99 |
| | 5 | 4.07 | 11.48 | 10.94 | 3.99 |
| | 6 | 3.75 | 11.50 | 11.14 | 3.76 |
| | 7 | 2.91 | 11.54 | 11.17 | 3.16 |
| | 8 | 0.95 | 10.89 | 10.79 | 2.02 |
| | 9 | 0.00 | 9.29 | 9.85 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|--------------------|------------|-------|-------|-------|------|
| GR-324/30L/24VDC/A | 2 | 4.14 | 9.90 | 9.62 | 3.98 |
| | 2,5 | 4.49 | 10.84 | 10.69 | 4.40 |
| | 3 | 4.86 | 11.80 | 11.55 | 4.75 |
| | 3,5 | 5.22 | 12.68 | 12.32 | 5.02 |
| | 4 | 5.55 | 13.50 | 12.98 | 5.24 |
| | 5 | 6.03 | 14.90 | 14.07 | 5.52 |
| | 6 | 5.89 | 15.82 | 14.93 | 5.65 |
| | 7 | 5.73 | 16.17 | 15.44 | 5.63 |
| | 8 | 5.61 | 16.18 | 15.84 | 5.43 |
| | 9 | 4.79 | 16.32 | 15.78 | 5.03 |
| | 10 | 4.03 | 16.23 | 15.77 | 4.35 |
| | 11 | 3.43 | 15.69 | 15.46 | 3.21 |
| | 12 | 0.36 | 14.32 | 14.65 | 0.79 |
| 13 | 0.00 | 12.87 | 13.50 | 0.00 | |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------|------------|-------|-------|-------|------|
| GR-325/6P/24VDC | 2 | 3,61 | 8,83 | 9,54 | 4,05 |
| | 2,5 | 4,37 | 10,30 | 11,19 | 4,71 |
| | 3 | 4,86 | 11,32 | 12,30 | 5,14 |
| | 3,5 | 5,24 | 12,30 | 13,25 | 5,53 |
| | 4 | 5,52 | 13,30 | 14,14 | 5,86 |
| | 5 | 6,03 | 14,87 | 15,72 | 6,39 |
| | 6 | 6,45 | 16,02 | 16,98 | 6,78 |
| | 7 | 6,71 | 17,01 | 18,01 | 7,01 |
| | 8 | 6,83 | 17,89 | 18,84 | 7,03 |
| | 9 | 6,79 | 18,55 | 19,49 | 6,84 |
| | 10 | 6,47 | 19,03 | 19,85 | 6,41 |
| | 11 | 5,81 | 19,28 | 19,96 | 5,74 |
| | 12 | 5,40 | 19,33 | 19,72 | 4,72 |
| | 13 | 3,22 | 19,11 | 19,17 | 3,19 |
| 14 | 0,00 | 18,38 | 18,29 | 0,00 | |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------|------------|-------|-------|-------|------|
| GR-325/6P/24VDC | 2 | 3,61 | 8,83 | 9,54 | 4,05 |
| | 2,5 | 4,51 | 11,04 | 11,92 | 5,07 |
| | 3 | 5,41 | 13,25 | 14,31 | 6,08 |
| | 3,5 | 6,15 | 14,47 | 15,73 | 6,60 |
| | 4 | 6,64 | 15,50 | 16,85 | 7,05 |
| | 5 | 7,42 | 17,49 | 18,80 | 7,84 |
| | 6 | 7,99 | 19,46 | 20,54 | 8,47 |
| | 7 | 8,49 | 20,94 | 22,10 | 8,98 |
| | 8 | 8,94 | 22,09 | 23,41 | 9,40 |
| | 9 | 9,27 | 23,18 | 24,55 | 9,72 |
| | 10 | 9,51 | 24,14 | 25,53 | 9,91 |
| | 11 | 9,63 | 25,04 | 26,38 | 9,97 |
| | 12 | 9,65 | 25,80 | 27,10 | 9,86 |
| | 14 | 9,20 | 26,85 | 28,02 | 9,14 |
| | 16 | 8,03 | 27,31 | 28,15 | 7,71 |
| | 18 | 4,81 | 27,17 | 27,39 | 5,25 |
| 20 | 0,00 | 25,77 | 25,66 | 0,00 | |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|------|------|------|
| GR-1315/15L | 2 | 1.79 | 4.39 | 4.31 | 1.71 |
| GR-1316/15L | 2,5 | 1.92 | 4.83 | 4.66 | 1.82 |
| GR-1310/15L | 3 | 1.98 | 5.17 | 4.93 | 1.87 |
| GR-1312/15L | 3,5 | 1.97 | 5.42 | 5.14 | 1.85 |
| | 4 | 1.86 | 5.58 | 5.26 | 1.74 |
| | 5 | 1.06 | 5.56 | 5.22 | 1.04 |
| | 6 | 0.00 | 4.31 | 4.06 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|------|------|------|
| GR-1315/15L | 2 | 2.16 | 5.25 | 5.28 | 2.10 |
| GR-1316/15L | 2,5 | 2.38 | 5.83 | 5.76 | 2.29 |
| GR-1310/15L | 3 | 2.56 | 6.34 | 6.17 | 2.43 |
| GR-1312/15L | 3,5 | 2.68 | 6.78 | 6.51 | 2.53 |
| | 4 | 2.75 | 7.13 | 6.81 | 2.59 |
| | 5 | 2.74 | 7.65 | 7.23 | 2.56 |
| | 6 | 2.43 | 7.90 | 7.41 | 2.29 |
| | 7 | 1.53 | 7.83 | 7.31 | 1.48 |
| | 8 | 0.00 | 7.33 | 6.82 | 0.00 |

EASY LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------|------------|------|------|------|------|
| GR-1315/30L | 2 | 2.19 | 5.30 | 5.38 | 2.15 |
| GR-1316/30L | 2,5 | 2.41 | 5.88 | 5.84 | 2.33 |
| GR-1310/30L | 3 | 2.58 | 6.37 | 6.23 | 2.46 |
| GR-1312/30L | 3,5 | 2.71 | 6.80 | 6.57 | 2.57 |
| | 4 | 2.79 | 7.16 | 6.86 | 2.63 |
| | 5 | 2.78 | 7.69 | 7.28 | 2.61 |
| | 6 | 2.48 | 7.95 | 7.48 | 2.34 |
| | 7 | 1.61 | 7.88 | 7.40 | 1.57 |
| | 8 | 0.00 | 7.43 | 6.99 | 0.00 |

| Models | Height (m) | | | | |
|-------------|------------|------|-------|-------|------|
| GR-1315/30L | 2 | 2.62 | 6.32 | 6.58 | 2.64 |
| GR-1316/30L | 2,5 | 2.91 | 7.04 | 7.19 | 2.88 |
| GR-1310/30L | 3 | 3.17 | 7.68 | 7.71 | 3.08 |
| GR-1312/30L | 3,5 | 3.39 | 8.25 | 8.17 | 3.25 |
| | 4 | 3.56 | 8.77 | 8.58 | 3.40 |
| | 5 | 3.82 | 9.65 | 9.29 | 3.61 |
| | 6 | 3.95 | 10.33 | 9.84 | 3.70 |
| | 7 | 3.91 | 10.82 | 10.25 | 3.65 |
| | 8 | 3.68 | 11.13 | 10.48 | 3.44 |
| | 9 | 3.15 | 11.24 | 10.53 | 2.98 |
| | 10 | 2.08 | 11.10 | 10.37 | 2.00 |
| | 11 | 0.00 | 10.68 | 9.97 | 0.00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-1315/4P | 2 | 3.02 | 7.28 | 6.80 | 2.79 |
| GR-1316/4P | 2,5 | 3.31 | 8.09 | 7.51 | 3.05 |
| GR-1310/4P | 3 | 3.53 | 8.77 | 8.10 | 3.25 |
| GR-1312/4P | 3,5 | 3.68 | 9.33 | 8.60 | 3.39 |
| | 4 | 3.76 | 9.80 | 9.02 | 3.48 |
| | 5 | 3.73 | 10.45 | 9.62 | 3.53 |
| | 6 | 3.38 | 10.69 | 9.94 | 3.31 |
| | 7 | 2.66 | 10.59 | 10.01 | 2.59 |
| | 8 | 0.53 | 10.06 | 9.68 | 0.45 |
| | 9 | 0.00 | 8.42 | 7.80 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-1315/4P | 2 | 3.62 | 8.64 | 8.16 | 3.39 |
| GR-1316/4P | 2,5 | 4.02 | 9.67 | 9.08 | 3.75 |
| GR-1310/4P | 3 | 4.36 | 10.57 | 9.88 | 4.05 |
| GR-1312/4P | 3,5 | 4.65 | 11.37 | 10.57 | 4.30 |
| | 4 | 4.88 | 12.07 | 11.19 | 4.51 |
| | 5 | 5.20 | 13.24 | 12.21 | 4.81 |
| | 6 | 5.32 | 14.12 | 13.00 | 4.97 |
| | 7 | 5.27 | 14.72 | 13.58 | 4.99 |
| | 8 | 5.00 | 15.04 | 13.95 | 4.83 |
| | 9 | 4.45 | 15.09 | 14.15 | 4.37 |
| | 10 | 3.61 | 14.92 | 14.14 | 3.55 |
| | 11 | 1.92 | 14.43 | 13.85 | 1.83 |
| | 12 | 0.00 | 13.49 | 13.20 | 0.00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-1315/6P | 2 | 2.92 | 6.98 | 6.88 | 2.84 |
| GR-1316/6P | 2,5 | 3.24 | 7.79 | 7.61 | 3.11 |
| GR-1310/6P | 3 | 3.51 | 8.51 | 8.24 | 3.34 |
| GR-1312/6P | 3,5 | 3.72 | 9.14 | 8.78 | 3.52 |
| | 4 | 3.89 | 9.70 | 9.25 | 3.65 |
| | 5 | 4.08 | 10.58 | 10.00 | 3.81 |
| | 6 | 4.07 | 11.18 | 10.50 | 3.79 |
| | 7 | 3.86 | 11.52 | 10.77 | 3.59 |
| | 8 | 3.38 | 11.59 | 10.78 | 3.15 |
| | 9 | 2.33 | 11.40 | 10.58 | 2.23 |
| | 10 | 0.00 | 10.87 | 10.10 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-1315/6P | 2 | 3.35 | 7.97 | 7.93 | 3.29 |
| GR-1316/6P | 2,5 | 3.88 | 9.27 | 9.18 | 3.80 |
| GR-1310/6P | 3 | 4.24 | 10.16 | 10.00 | 4.11 |
| GR-1312/6P | 3,5 | 4.56 | 10.96 | 10.72 | 4.39 |
| | 4 | 4.84 | 11.70 | 11.36 | 4.62 |
| | 5 | 5.28 | 12.98 | 12.47 | 5.00 |
| | 6 | 5.57 | 14.05 | 13.36 | 5.25 |
| | 7 | 5.74 | 14.90 | 14.09 | 5.38 |
| | 8 | 5.78 | 15.56 | 14.63 | 5.39 |
| | 9 | 5.68 | 16.02 | 15.04 | 5.28 |
| | 10 | 5.41 | 16.30 | 15.25 | 5.05 |
| | 11 | 4.94 | 16.40 | 15.26 | 4.63 |
| | 12 | 4.15 | 16.29 | 15.16 | 3.98 |
| | 13 | 2.78 | 15.99 | 14.86 | 2.65 |
| | 14 | 0.00 | 15.44 | 14.38 | 0.00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) | | | | |
|-----------------|------------|------|------|------|------|
| GR-1310/12L/90 | 2 | 1.76 | 4.33 | 4.24 | 1.68 |
| GR-1310/12L/180 | 2,5 | 1.88 | 4.76 | 4.58 | 1.78 |
| | 3 | 1.94 | 5.09 | 4.85 | 1.82 |
| | 3,5 | 1.91 | 5.33 | 5.04 | 1.79 |
| | 4 | 1.77 | 5.46 | 5.15 | 1.67 |
| | 5 | 0.81 | 5.39 | 5.06 | 0.81 |
| | 6 | 0.00 | 4.05 | 3.90 | 0.00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) | | | | |
|-----------------|------------|------|------|------|------|
| GR-1310/12L/90 | 2 | 2.13 | 5.17 | 5.20 | 2.07 |
| GR-1310/12L/180 | 2,5 | 2.35 | 5.76 | 5.67 | 2.25 |
| | 3 | 2.51 | 6.25 | 6.07 | 2.39 |
| | 3,5 | 2.63 | 6.68 | 6.41 | 2.48 |
| | 4 | 2.70 | 7.02 | 6.69 | 2.53 |
| | 5 | 2.65 | 7.51 | 7.09 | 2.48 |
| | 6 | 2.28 | 7.72 | 7.24 | 2.17 |
| | 7 | 1.18 | 7.59 | 7.09 | 1.18 |
| | 8 | 0.00 | 6.51 | 6.04 | 0.00 |

EASY LIGHT

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| GR-1324/30L/24VDC | 2 | 2.95 | 7.20 | 7.11 | 2.89 |
| | 2.5 | 3.22 | 7.94 | 7.81 | 3.17 |
| | 3 | 3.44 | 8.54 | 8.39 | 3.37 |
| | 3.5 | 3.62 | 9.09 | 8.93 | 3.52 |
| | 4 | 3.73 | 9.53 | 9.36 | 3.63 |
| | 5 | 3.79 | 10.27 | 9.98 | 3.68 |
| | 6 | 3.59 | 10.65 | 10.36 | 3.50 |
| | 7 | 3.06 | 10.73 | 10.43 | 3.00 |
| | 8 | 1.86 | 10.44 | 10.15 | 1.77 |
| 9 | 0.00 | 9.72 | 9.51 | 0.00 | |

Open area, 0.5Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| GR-1324/30L/24VDC | 2 | 3.60 | 8.76 | 8.67 | 3.53 |
| | 2.5 | 3.97 | 9.67 | 9.55 | 3.89 |
| | 3 | 4.27 | 10.44 | 10.28 | 4.18 |
| | 3.5 | 4.54 | 11.18 | 10.99 | 4.45 |
| | 4 | 4.76 | 11.81 | 11.58 | 4.67 |
| | 5 | 5.13 | 12.91 | 12.67 | 4.98 |
| | 6 | 5.32 | 13.78 | 13.50 | 5.17 |
| | 7 | 5.36 | 14.48 | 14.08 | 5.20 |
| | 8 | 5.22 | 14.93 | 14.52 | 5.06 |
| | 9 | 4.86 | 15.16 | 14.74 | 4.73 |
| | 10 | 4.24 | 15.17 | 14.74 | 4.12 |
| | 11 | 3.13 | 14.93 | 14.49 | 3.01 |
| 12 | 0.00 | 14.36 | 13.99 | 0.00 | |

WEATHER LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-940/15L | 2 | 2.29 | 5.84 | 5.70 | 2.27 |
| GR-941/15L | 2,5 | 2.37 | 6.29 | 6.20 | 2.37 |
| | 3 | 2.35 | 6.56 | 6.53 | 2.35 |
| | 3,5 | 2.18 | 6.70 | 6.72 | 2.19 |
| | 4 | 1.98 | 6.72 | 6.74 | 1.80 |
| | 5 | 0.00 | 6.15 | 6.14 | 0.00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-940/15L | 2 | 2.87 | 7.09 | 6.83 | 2.81 |
| GR-941/15L | 2,5 | 3.10 | 7.79 | 7.58 | 3.06 |
| | 3 | 3.23 | 8.38 | 8.20 | 3.23 |
| | 3,5 | 3.31 | 8.81 | 8.69 | 3.32 |
| | 4 | 3.32 | 9.11 | 9.05 | 3.34 |
| | 5 | 3.04 | 9.43 | 9.46 | 3.07 |
| | 6 | 2.55 | 9.36 | 9.42 | 2.12 |
| | 7 | 0.00 | 8.70 | 8.76 | 0.00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| GR-935/6P | 2 | 3.72 | 9.05 | 8.62 | 3.57 |
| GR-936/6P | 2,5 | 4.09 | 9.99 | 9.55 | 3.96 |
| | 3 | 4.40 | 10.80 | 10.39 | 4.29 |
| | 3,5 | 4.65 | 11.52 | 11.15 | 4.56 |
| | 4 | 4.83 | 12.17 | 11.85 | 4.77 |
| | 5 | 5.03 | 13.20 | 12.97 | 5.04 |
| | 6 | 5.08 | 13.84 | 13.74 | 5.09 |
| | 7 | 4.88 | 14.22 | 14.23 | 4.89 |
| | 8 | 4.46 | 14.37 | 14.44 | 4.36 |
| | 9 | 4.00 | 14.26 | 14.28 | 3.31 |
| | 10 | 2.19 | 13.73 | 13.75 | 1.08 |
| | 11 | 0.00 | 12.50 | 12.42 | 0.00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| GR-935/6P | 2 | 4.05 | 10.17 | 9.69 | 4.03 |
| GR-936/6P | 2,5 | 4.97 | 12.04 | 11.48 | 4.76 |
| | 3 | 5.37 | 13.11 | 12.52 | 5.17 |
| | 3,5 | 5.73 | 14.03 | 13.43 | 5.55 |
| | 4 | 6.06 | 14.86 | 14.29 | 5.90 |
| | 5 | 6.57 | 16.33 | 15.82 | 6.46 |
| | 6 | 6.90 | 17.59 | 17.17 | 6.85 |
| | 7 | 7.09 | 18.57 | 18.25 | 7.09 |
| | 8 | 7.17 | 19.29 | 19.09 | 7.20 |
| | 9 | 7.11 | 19.78 | 19.71 | 7.14 |
| | 10 | 6.84 | 20.11 | 20.14 | 6.87 |
| | 11 | 6.43 | 20.29 | 20.38 | 6.39 |
| | 12 | 6.03 | 20.30 | 20.39 | 5.55 |
| | 13 | 5.41 | 20.06 | 20.10 | 4.30 |
| | 14 | 3.21 | 19.49 | 19.56 | 2.06 |
| | 15 | 0.00 | 18.68 | 18.69 | 0.00 |

WEATHER LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|---------------|------------|------|------|------|------|
| GR-900/30L/SC | 2 | 2.15 | 5.56 | 5.45 | 2.14 |
| | 2,5 | 2.20 | 5.94 | 5.88 | 2.21 |
| | 3 | 2.12 | 6.15 | 6.15 | 2.12 |
| | 3,5 | 1.92 | 6.22 | 6.25 | 1.86 |
| | 4 | 1.65 | 6.14 | 6.14 | 1.28 |
| 5 | 0.00 | 4.55 | 4.58 | 0.00 | |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|---------------|------------|------|------|------|------|
| GR-900/30L/SC | 2 | 2.73 | 6.77 | 6.55 | 2.68 |
| | 2,5 | 2.92 | 7.44 | 7.26 | 2.90 |
| | 3 | 3.03 | 7.96 | 7.82 | 3.03 |
| | 3,5 | 3.07 | 8.32 | 8.24 | 3.09 |
| | 4 | 3.03 | 8.55 | 8.53 | 3.05 |
| | 5 | 2.66 | 8.75 | 8.80 | 2.59 |
| | 6 | 1.41 | 8.43 | 8.51 | 1.09 |
| 7 | 0.00 | 6.54 | 6.68 | 0.00 | |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|------|------|------|
| GR-935/15L | 2 | 2.47 | 5.82 | 5.67 | 2.32 |
| GR-936/15L | 2,5 | 2.73 | 6,56 | 6,25 | 2,53 |
| | 3 | 2,93 | 7,18 | 6,73 | 2,69 |
| | 3,5 | 3,06 | 7,71 | 7,14 | 2,81 |
| | 4 | 3,13 | 8,13 | 7,48 | 2,89 |
| | 5 | 3,09 | 8,69 | 7,99 | 2,88 |
| | 6 | 2,71 | 8,89 | 8,23 | 2,61 |
| | 7 | 1,74 | 8,77 | 8,18 | 1,79 |
| | 8 | 0,00 | 8,17 | 7,76 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-935/15L | 2 | 2,88 | 6,70 | 6,89 | 2,82 |
| GR-936/15L | 2,5 | 3,25 | 7,63 | 7,61 | 3,10 |
| | 3 | 3,57 | 8,46 | 8,23 | 3,34 |
| | 3,5 | 3,83 | 9,20 | 8,78 | 3,55 |
| | 4 | 4,04 | 9,85 | 9,27 | 3,72 |
| | 5 | 4,31 | 10,91 | 10,11 | 3,97 |
| | 6 | 4,42 | 11,70 | 10,76 | 4,08 |
| | 7 | 4,34 | 12,23 | 11,23 | 4,05 |
| | 8 | 4,06 | 12,49 | 11,52 | 3,82 |
| | 9 | 3,44 | 12,52 | 11,61 | 3,34 |
| | 10 | 2,27 | 12,29 | 11,48 | 2,31 |
| | 11 | 0,00 | 11,77 | 11,08 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-935/30L | 2 | 2,77 | 6,52 | 6,43 | 2,65 |
| GR-936/30L | 2,5 | 3,10 | 7,36 | 7,11 | 2,91 |
| | 3 | 3,37 | 8,09 | 7,70 | 3,13 |
| | 3,5 | 3,58 | 8,74 | 8,21 | 3,31 |
| | 4 | 3,74 | 9,29 | 8,67 | 3,44 |
| | 5 | 4,49 | 11,25 | 10,47 | 4,12 |
| | 6 | 4,62 | 12,09 | 11,15 | 4,23 |
| | 7 | 4,55 | 12,68 | 11,64 | 4,17 |
| | 8 | 4,23 | 13,03 | 11,91 | 3,90 |
| | 9 | 3,53 | 13,07 | 11,97 | 3,34 |
| | 10 | 2,10 | 12,84 | 11,79 | 2,07 |
| | 11 | 0,00 | 12,25 | 11,27 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-935/30L | 2 | 3,26 | 7,61 | 7,74 | 3,22 |
| GR-936/30L | 2,5 | 3,95 | 9,24 | 9,37 | 3,88 |
| | 3 | 4,36 | 10,23 | 10,20 | 4,21 |
| | 3,5 | 4,73 | 11,13 | 10,95 | 4,51 |
| | 4 | 5,06 | 11,98 | 11,64 | 4,77 |
| | 5 | 5,61 | 13,47 | 12,84 | 5,22 |
| | 6 | 6,03 | 14,75 | 13,86 | 5,56 |
| | 7 | 6,33 | 15,82 | 14,73 | 5,80 |
| | 8 | 6,49 | 16,72 | 15,45 | 5,94 |
| | 9 | 6,52 | 17,44 | 16,03 | 5,96 |
| | 10 | 6,41 | 17,98 | 16,47 | 5,86 |
| | 11 | 6,10 | 18,34 | 16,76 | 5,61 |
| | 12 | 5,56 | 18,48 | 16,90 | 5,14 |
| | 13 | 3,22 | 18,20 | 16,67 | 3,15 |
| | 14 | 0,00 | 16,34 | 14,85 | 0,00 |

WEATHER LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------|------------|------|------|------|------|
| GR-1935/15L | 2 | 2,15 | 5,17 | 4,91 | 1,98 |
| GR-1936/15L | 2,5 | 2,32 | 5,76 | 5,37 | 2,14 |
| GR-1938/15L | 3 | 2,42 | 6,23 | 5,74 | 2,23 |
| GR-1939/15L | 3,5 | 2,43 | 6,56 | 6,03 | 2,26 |
| GR-1938/15L/ADR | 4 | 2,37 | 6,79 | 6,24 | 2,22 |
| GR-1939/15L/ADR | 5 | 2,71 | 8,09 | 7,45 | 2,57 |
| | 6 | 2,10 | 8,12 | 7,55 | 2,09 |
| | 7 | 0,00 | 7,74 | 7,31 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------|------------|------|-------|-------|------|
| GR-1935/15L | 2 | 2,77 | 6,46 | 6,57 | 2,68 |
| GR-1936/15L | 2,5 | 3,11 | 7,35 | 7,24 | 2,94 |
| GR-1938/15L | 3 | 3,40 | 8,13 | 7,81 | 3,17 |
| GR-1939/15L | 3,5 | 3,63 | 8,81 | 8,33 | 3,35 |
| GR-1938/15L/ADR | 4 | 3,81 | 9,40 | 8,79 | 3,50 |
| GR-1939/15L/ADR | 5 | 4,01 | 10,36 | 9,55 | 3,69 |
| | 6 | 4,03 | 11,01 | 10,11 | 3,73 |
| | 7 | 3,84 | 11,39 | 10,48 | 3,60 |
| | 8 | 3,35 | 11,49 | 10,62 | 3,21 |
| | 9 | 2,33 | 11,31 | 10,55 | 2,36 |
| | 10 | 0,00 | 10,84 | 10,19 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------|------------|------|-------|-------|------|
| GR-1935/30L | 2 | 2,88 | 6,76 | 6,71 | 2,77 |
| GR-1936/30L | 2,5 | 3,23 | 7,63 | 7,43 | 3,05 |
| GR-1938/30L | 3 | 3,52 | 8,41 | 8,05 | 3,29 |
| GR-1939/30L | 3,5 | 3,76 | 9,09 | 8,60 | 3,48 |
| GR-1938/30L/ADR | 4 | 3,95 | 9,70 | 9,09 | 3,64 |
| GR-1939/30L/ADR | 5 | 4,20 | 10,69 | 9,90 | 3,84 |
| | 6 | 4,22 | 11,41 | 10,49 | 3,87 |
| | 7 | 4,02 | 11,86 | 10,85 | 3,69 |
| | 8 | 3,45 | 12,00 | 10,97 | 3,23 |
| | 9 | 2,25 | 11,82 | 10,85 | 2,20 |
| | 10 | 0,00 | 11,29 | 10,39 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------|------------|------|-------|-------|------|
| GR-1935/30L | 2 | 3,26 | 7,61 | 7,74 | 3,22 |
| GR-1936/30L | 2,5 | 3,80 | 8,89 | 8,94 | 3,70 |
| GR-1938/30L | 3 | 4,18 | 9,84 | 9,73 | 4,01 |
| GR-1939/30L | 3,5 | 4,53 | 10,70 | 10,44 | 4,29 |
| GR-1938/30L/ADR | 4 | 4,83 | 11,49 | 11,09 | 4,53 |
| GR-1939/30L/ADR | 5 | 5,33 | 12,90 | 12,21 | 4,93 |
| | 6 | 5,69 | 14,07 | 13,15 | 5,22 |
| | 7 | 5,90 | 15,04 | 13,92 | 5,41 |
| | 8 | 5,98 | 15,82 | 14,55 | 5,47 |
| | 9 | 5,90 | 16,40 | 15,03 | 5,39 |
| | 10 | 5,62 | 16,78 | 15,35 | 5,16 |
| | 11 | 5,09 | 16,94 | 15,48 | 4,70 |
| | 12 | 4,20 | 16,89 | 15,46 | 3,94 |
| | 13 | 2,58 | 16,62 | 15,21 | 2,56 |
| | 14 | 0,00 | 16,06 | 14,74 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-1938/4P | 2 | 2,82 | 6,58 | 6,43 | 2,64 |
| GR-1939/4P | 2,5 | 3,17 | 7,47 | 7,09 | 2,90 |
| | 3 | 3,46 | 8,25 | 7,68 | 3,11 |
| | 3,5 | 3,70 | 8,94 | 8,18 | 3,28 |
| | 4 | 3,86 | 9,54 | 8,62 | 3,40 |
| | 5 | 4,63 | 11,57 | 10,40 | 4,06 |
| | 6 | 4,75 | 12,48 | 11,05 | 4,15 |
| | 7 | 4,68 | 13,07 | 11,47 | 4,11 |
| | 8 | 4,36 | 13,41 | 11,70 | 3,82 |
| | 9 | 3,57 | 13,43 | 11,78 | 3,22 |
| | 10 | 2,16 | 13,20 | 11,61 | 1,96 |
| | 11 | 0,00 | 12,58 | 11,07 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GR-1938/4P | 2 | 3,31 | 7,62 | 7,87 | 3,24 |
| GR-1939/4P | 2,5 | 4,01 | 9,26 | 9,45 | 3,89 |
| | 3 | 4,45 | 10,31 | 10,25 | 4,22 |
| | 3,5 | 4,84 | 11,29 | 10,96 | 4,51 |
| | 4 | 5,19 | 12,18 | 11,63 | 4,76 |
| | 5 | 5,78 | 13,77 | 12,82 | 5,20 |
| | 6 | 6,23 | 15,13 | 13,82 | 5,52 |
| | 7 | 6,52 | 16,29 | 14,65 | 5,73 |
| | 8 | 6,69 | 17,25 | 15,34 | 5,85 |
| | 9 | 6,71 | 18,00 | 15,88 | 5,89 |
| | 10 | 6,58 | 18,52 | 16,26 | 5,80 |
| | 11 | 6,26 | 18,88 | 16,50 | 5,53 |
| | 12 | 4,75 | 18,96 | 16,66 | 4,31 |
| | 13 | 3,27 | 18,69 | 16,47 | 3,03 |
| | 14 | 0,00 | 18,17 | 16,01 | 0,00 |

BAU LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------------------|------------|-------|-------|-------|------|
| GR-751/ST/LP/LL 1h | 2 | 3,54 | 8,75 | 8,56 | 3,46 |
| GR-751/ST/LP/LL/ADR 1h | 2,5 | 3,90 | 9,58 | 9,51 | 3,71 |
| GR-751/ST/LP/LL/WL 1h | 3 | 4,11 | 10,24 | 10,10 | 3,93 |
| | 3,5 | 3,34 | 10,98 | 10,54 | 4,06 |
| | 4 | 3,50 | 11,02 | 11,13 | 4,12 |
| | 5 | 3,70 | 9,40 | 11,48 | 4,03 |
| | 6 | 3,94 | 9,25 | 11,73 | 3,60 |
| | 7 | 2,72 | 10,40 | 11,45 | 2,75 |
| 8 | 0,00 | 10,15 | 10,71 | 0,00 | |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------------------|------------|------|-------|-------|------|
| GR-751/ST/LP/LL 1h | 2 | 4,37 | 10,63 | 10,45 | 4,28 |
| GR-751/ST/LP/LL/ADR 1h | 2,5 | 4,79 | 11,72 | 11,48 | 4,74 |
| GR-751/ST/LP/LL/WL 1h | 3 | 5,12 | 12,69 | 12,43 | 5,05 |
| | 3,5 | 5,49 | 13,50 | 13,38 | 5,27 |
| | 4 | 5,91 | 14,18 | 13,84 | 5,55 |
| | 5 | 4,70 | 15,62 | 14,85 | 5,74 |
| | 6 | 4,62 | 15,42 | 15,75 | 5,86 |
| | 7 | 5,20 | 13,38 | 16,25 | 5,73 |
| | 8 | 5,59 | 13,60 | 16,50 | 5,35 |
| | 9 | 5,24 | 13,70 | 16,45 | 4,71 |
| | 10 | 3,75 | 14,82 | 16,14 | 3,79 |
| | 11 | 2,20 | 14,20 | 15,38 | 1,82 |
| | 12 | 0,00 | 13,16 | 14,41 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------------------|------------|------|------|------|------|
| GR-751/ST/LP/LL 3h | 2 | 2,96 | 7,09 | 6,92 | 2,78 |
| GR-751/ST/LP/LL/ADR 3h | 2,5 | 2,35 | 7,81 | 7,42 | 2,87 |
| GR-751/ST/LP/LL/WL 3h | 3 | 2,31 | 7,71 | 7,87 | 2,93 |
| | 3,5 | 2,60 | 6,69 | 8,12 | 2,86 |
| | 4 | 2,79 | 6,80 | 8,25 | 2,67 |
| | 5 | 1,87 | 7,41 | 8,07 | 1,90 |
| | 6 | 0,00 | 6,58 | 7,20 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------------------|------------|------|-------|-------|------|
| GR-751/ST/LP/LL 3h | 2 | 3,54 | 8,75 | 8,56 | 3,46 |
| GR-751/ST/LP/LL/ADR 3h | 2,5 | 3,90 | 9,58 | 9,48 | 3,71 |
| GR-751/ST/LP/LL/WL 3h | 3 | 4,11 | 10,24 | 10,10 | 3,93 |
| | 3,5 | 3,34 | 10,98 | 10,54 | 4,06 |
| | 4 | 3,50 | 11,02 | 11,11 | 4,12 |
| | 5 | 3,70 | 9,40 | 11,48 | 4,03 |
| | 6 | 3,88 | 9,25 | 11,73 | 3,60 |
| | 7 | 2,72 | 10,40 | 11,45 | 2,73 |
| | 8 | 0,00 | 10,15 | 10,71 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) | | | | |
|------------------------|------------|------|------|------|------|
| GR-751/ST/LP/LL 8h | 2 | 1,18 | 3,05 | 3,68 | 1,06 |
| GR-751/ST/LP/LL/ADR 8h | 2,5 | 0,35 | 3,19 | 3,41 | 0,25 |
| GR-751/ST/LP/LL/WL 8h | 3 | 0,00 | 2,20 | 2,30 | 0,00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) | | | | |
|------------------------|------------|------|------|------|------|
| GR-751/ST/LP/LL 8h | 2 | 1,52 | 4,96 | 4,97 | 1,82 |
| GR-751/ST/LP/LL/ADR 8h | 2,5 | 1,76 | 4,26 | 5,18 | 1,67 |
| GR-751/ST/LP/LL/WL 8h | 3 | 1,37 | 4,51 | 5,16 | 1,31 |
| | 3,5 | 0,33 | 4,50 | 4,84 | 0,46 |
| | 4 | 0,00 | 3,27 | 4,00 | 0,00 |

BAU LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------------------|------------|---|---|---|---|
| GR-753/ST/LP/HL 1h | 2 | 3,72 | 9,14 | 8,93 | 3,68 |
| GR-753/ST/LP/HL/ADR 1h | 2,5 | 4,04 | 10,04 | 9,90 | 4,04 |
| GR-753/ST/LP/HL/WL 1h | 3 | 4,48 | 10,76 | 10,53 | 4,21 |
| GR-753/CBS/24V/ADR/LP/HL | 3,5 | 4,64 | 11,39 | 11,31 | 4,31 |
| GR-753/CBS/LP/HL | 4 | 3,58 | 12,20 | 11,59 | 4,38 |
| | 5 | 3,78 | 11,59 | 12,26 | 4,42 |
| | 6 | 4,25 | 10,26 | 12,56 | 4,13 |
| | 7 | 3,82 | 10,61 | 12,52 | 3,51 |
| | 8 | 2,38 | 11,24 | 12,05 | 2,37 |
| | 9 | 0,00 | 10,00 | 11,19 | 0,00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------------------|------------|---|---|---|---|
| GR-753/ST/LP/HL 1h | 2 | 4,57 | 11,10 | 10,90 | 4,46 |
| GR-753/ST/LP/HL/ADR 1h | 2,5 | 5,02 | 12,22 | 12,03 | 4,94 |
| GR-753/ST/LP/HL/WL 1h | 3 | 5,38 | 13,26 | 12,98 | 5,26 |
| GR-753/CBS/24V/ADR/LP/HL | 3,5 | 5,69 | 14,15 | 13,94 | 5,66 |
| GR-753/CBS/LP/HL | 4 | 6,13 | 14,89 | 14,75 | 5,79 |
| | 5 | 6,55 | 16,18 | 16,06 | 6,13 |
| | 6 | 5,28 | 17,40 | 16,86 | 6,28 |
| | 7 | 5,30 | 16,50 | 17,27 | 6,26 |
| | 8 | 5,85 | 14,32 | 17,53 | 6,02 |
| | 9 | 6,07 | 13,94 | 17,89 | 5,59 |
| | 10 | 5,18 | 15,12 | 17,70 | 4,89 |
| | 11 | 3,83 | 16,22 | 17,31 | 3,85 |
| | 12 | 1,95 | 15,41 | 16,53 | 1,62 |
| | 13 | 0,00 | 14,22 | 15,51 | 0,00 |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------------------|------------|---|---|---|---|
| GR-753/ST/LP/HL 3h | 2 | 3,46 | 8,58 | 8,40 | 3,40 |
| GR-753/ST/LP/HL/ADR 3h | 2,5 | 3,85 | 9,38 | 9,31 | 3,64 |
| GR-753/ST/LP/HL/WL 3h | 3 | 4,05 | 10,03 | 9,94 | 3,80 |
| | 3,5 | 3,15 | 10,83 | 10,25 | 3,90 |
| | 4 | 3,26 | 10,57 | 10,83 | 3,99 |
| | 5 | 3,67 | 8,98 | 11,05 | 3,83 |
| | 6 | 3,66 | 9,18 | 11,30 | 3,34 |
| | 7 | 2,36 | 10,30 | 10,92 | 2,35 |
| | 8 | 0,00 | 9,35 | 10,06 | 0,00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------------------|------------|---|---|---|---|
| GR-753/ST/LP/HL 3h | 2 | 4,29 | 10,42 | 10,25 | 4,20 |
| GR-753/ST/LP/HL/ADR 3h | 2,5 | 4,69 | 11,50 | 11,24 | 4,64 |
| GR-753/ST/LP/HL/WL 3h | 3 | 5,01 | 12,44 | 12,21 | 4,96 |
| | 3,5 | 5,41 | 13,21 | 13,13 | 5,12 |
| | 4 | 5,64 | 13,86 | 13,62 | 5,41 |
| | 5 | 4,49 | 15,40 | 14,58 | 5,52 |
| | 6 | 4,59 | 15,19 | 15,21 | 5,65 |
| | 7 | 5,15 | 12,61 | 15,62 | 5,46 |
| | 8 | 5,42 | 13,44 | 15,99 | 5,03 |
| | 9 | 4,59 | 13,59 | 15,82 | 4,32 |
| | 10 | 3,20 | 14,14 | 15,35 | 3,15 |
| | 11 | 0,00 | 13,16 | 14,56 | 0,00 |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------------------|------------|---|---|---|---|
| GR-753/ST/LP/HL 8h | 2 | 1,79 | 6,16 | 5,83 | 2,21 |
| GR-753/ST/LP/HL/ADR 8h | 2,5 | 1,89 | 5,93 | 6,18 | 2,24 |
| GR-753/ST/LP/HL/WL 8h | 3 | 2,14 | 5,15 | 6,35 | 2,11 |
| | 3,5 | 2,04 | 5,32 | 6,36 | 1,81 |
| | 4 | 1,30 | 5,66 | 6,16 | 1,27 |
| | 5 | 0,00 | 3,81 | 4,59 | 0,00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------------------|------------|---|---|---|---|
| GR-753/ST/LP/HL 8h | 2 | 3,08 | 7,51 | 7,42 | 2,90 |
| GR-753/ST/LP/HL/ADR 8h | 2,5 | 3,26 | 8,16 | 8,08 | 3,07 |
| GR-753/ST/LP/HL/WL 8h | 3 | 2,65 | 8,95 | 8,47 | 3,17 |
| | 3,5 | 2,66 | 8,44 | 8,71 | 3,18 |
| | 4 | 2,93 | 7,18 | 8,86 | 3,08 |
| | 5 | 2,67 | 7,59 | 8,98 | 2,52 |
| | 6 | 1,24 | 7,76 | 8,44 | 1,03 |
| | 7 | 0,00 | 5,38 | 6,76 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|--------------------------|------------|---|---|---|---|
| GR-751/CBS/LP/LL | 2 | 3,11 | 7,64 | 7,59 | 2,95 |
| GR-751/CBS/24V/ADR/LP/LL | 2,5 | 3,36 | 8,30 | 8,23 | 3,14 |
| | 3 | 2,67 | 9,07 | 8,61 | 3,24 |
| | 3,5 | 2,68 | 8,84 | 8,86 | 3,29 |
| | 4 | 2,96 | 7,45 | 9,13 | 3,20 |
| | 5 | 2,99 | 7,63 | 9,28 | 2,70 |
| | 6 | 1,59 | 8,34 | 8,78 | 1,53 |
| | 7 | 0,00 | 6,24 | 7,58 | 0,00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|--------------------------|------------|---|---|---|---|
| GR-751/CBS/LP/LL | 2 | 3,82 | 9,35 | 9,15 | 3,77 |
| GR-751/CBS/24V/ADR/LP/LL | 2,5 | 4,15 | 10,29 | 10,11 | 4,10 |
| | 3 | 4,56 | 11,04 | 10,90 | 4,30 |
| | 3,5 | 4,72 | 11,69 | 11,58 | 4,43 |
| | 4 | 3,72 | 12,47 | 11,83 | 4,56 |
| | 5 | 3,81 | 12,49 | 12,58 | 4,64 |
| | 6 | 4,36 | 10,68 | 12,97 | 4,39 |
| | 7 | 4,23 | 10,72 | 13,16 | 3,89 |
| | 8 | 2,94 | 11,84 | 12,82 | 2,96 |
| | 9 | 0,00 | 11,42 | 12,06 | 0,00 |

LINEAR LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| KLIN-20/ST 1h | 2 | 4,58 | 10,46 | 7,04 | 2,76 |
| KLIN-20/ST/ADR 1h | 2,5 | 5,11 | 12,03 | 7,53 | 2,91 |
| KLIN-20/ST/WL 1h | 3 | 5,41 | 13,39 | 7,94 | 2,97 |
| | 3,5 | 5,70 | 14,41 | 8,22 | 2,93 |
| | 4 | 3,02 | 13,92 | 8,36 | 2,81 |
| | 5 | 1,99 | 12,77 | 8,29 | 2,21 |
| | 6 | 0,00 | 8,09 | 7,70 | 0,00 |




Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| KLIN-20/ST 1h | 2 | 5,23 | 12,03 | 8,69 | 3,52 |
| KLIN-20/ST/ADR 1h | 2,5 | 6,01 | 13,65 | 9,52 | 3,76 |
| KLIN-20/ST/WL 1h | 3 | 6,69 | 15,36 | 10,15 | 3,96 |
| | 3,5 | 7,18 | 16,91 | 10,62 | 4,09 |
| | 4 | 7,46 | 18,32 | 11,05 | 4,15 |
| | 5 | 8,04 | 20,42 | 11,63 | 4,09 |
| | 6 | 3,99 | 19,26 | 11,83 | 3,79 |
| | 7 | 2,86 | 18,00 | 11,66 | 3,16 |
| | 8 | 1,07 | 11,99 | 11,17 | 1,75 |
| | 9 | 0,00 | 10,37 | 10,27 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| KLIN-20/ST 3h | 2 | 3,59 | 8,90 | 5,27 | 1,97 |
| KLIN-20/ST/ADR 3h | 2,5 | 2,11 | 9,77 | 5,51 | 1,91 |
| KLIN-20/ST/WL 3h | 3 | 1,74 | 8,67 | 5,57 | 1,71 |
| | 3,5 | 0,98 | 6,12 | 5,43 | 1,26 |
| | 4 | 0,00 | 5,34 | 5,09 | 0,00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| KLIN-20/ST 3h | 2 | 4,45 | 10,22 | 6,74 | 2,61 |
| KLIN-20/ST/ADR 3h | 2,5 | 4,84 | 11,73 | 7,20 | 2,71 |
| KLIN-20/ST/WL 3h | 3 | 5,15 | 12,95 | 7,54 | 2,72 |
| | 3,5 | 2,93 | 13,72 | 7,74 | 2,63 |
| | 4 | 2,60 | 12,72 | 7,80 | 2,44 |
| | 5 | 1,13 | 8,30 | 7,53 | 1,54 |
| | 6 | 0,00 | 6,76 | 6,60 | 0,00 |

OLYMPUS LIGHT




Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|--|--|--|--|
| OLY-500 | 2 | 2,71 | 6,88 | 6,55 | 2,59 |
| OLY-500/WP | 2,5 | 2,83 | 7,43 | 7,06 | 2,71 |
| | 3 | 2,85 | 7,79 | 7,44 | 2,74 |
| | 3,5 | 2,77 | 8,02 | 7,65 | 2,68 |
| | 4 | 2,60 | 8,09 | 7,79 | 2,52 |
| | 5 | 1,80 | 7,83 | 7,56 | 1,71 |
| | 6 | 0,00 | 6,99 | 6,78 | 0,00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|--|--|--|--|
| OLY-500 | 2 | 3,41 | 8,30 | 7,96 | 3,27 |
| OLY-500/WP | 2,5 | 3,69 | 9,24 | 8,76 | 3,53 |
| | 3 | 3,87 | 9,92 | 9,49 | 3,72 |
| | 3,5 | 3,98 | 10,45 | 9,96 | 3,82 |
| | 4 | 4,02 | 10,83 | 10,37 | 3,89 |
| | 5 | 3,89 | 11,32 | 10,84 | 3,78 |
| | 6 | 3,46 | 11,40 | 10,99 | 3,39 |
| | 7 | 2,58 | 11,09 | 10,73 | 2,51 |
| | 8 | 0,00 | 10,37 | 10,10 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004 1h | 2 | 4,02 | 9,45 | 9,19 | 3,84 |
| OLY-1004/WP 1h | 2,5 | 4,45 | 10,68 | 10,26 | 4,22 |
| OLY-1004/WL 1h | 3 | 4,76 | 11,71 | 11,14 | 4,53 |
| OLY-1004/WP/WL 1h | 3,5 | 4,99 | 12,55 | 11,88 | 4,75 |
| | 4 | 5,16 | 13,21 | 12,58 | 4,93 |
| | 5 | 5,34 | 14,17 | 13,49 | 5,12 |
| | 6 | 5,31 | 14,78 | 14,13 | 5,10 |
| | 7 | 5,07 | 15,10 | 14,46 | 4,90 |
| | 8 | 4,59 | 15,11 | 14,53 | 4,45 |
| | 9 | 3,77 | 14,83 | 14,29 | 3,62 |
| | 10 | 2,27 | 14,27 | 13,80 | 2,15 |
| | 11 | 0,00 | 13,33 | 12,95 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004 1h | 2 | 4,40 | 10,25 | 10,11 | 4,24 |
| OLY-1004/WP 1h | 2,5 | 5,34 | 12,45 | 12,24 | 5,13 |
| OLY-1004/WL 1h | 3 | 5,85 | 13,82 | 13,37 | 5,57 |
| OLY-1004/WP/WL 1h | 3,5 | 6,26 | 15,02 | 14,44 | 5,94 |
| | 4 | 6,59 | 16,09 | 15,36 | 6,29 |
| | 5 | 7,07 | 17,81 | 16,88 | 6,74 |
| | 6 | 7,38 | 19,06 | 18,13 | 7,06 |
| | 7 | 7,54 | 19,98 | 19,02 | 7,23 |
| | 8 | 7,54 | 20,65 | 19,74 | 7,26 |
| | 9 | 7,40 | 21,12 | 20,15 | 7,14 |
| | 10 | 7,12 | 21,36 | 20,48 | 6,90 |
| | 11 | 6,65 | 21,39 | 20,60 | 6,47 |
| | 12 | 5,98 | 21,23 | 20,40 | 5,78 |
| | 14 | 3,48 | 20,27 | 19,61 | 3,33 |
| | 16 | 0,00 | 18,33 | 17,80 | 0,00 |

OLYMPUS LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1004 3h | 2 | 3,85 | 9,11 | 8,80 | 3,65 |
| OLY-1004/WP 3h | 2,5 | 4,22 | 10,25 | 9,80 | 4,02 |
| OLY-1004/WL 3h | 3 | 4,49 | 11,20 | 10,58 | 4,27 |
| OLY-1004/WP/WL 3h | 3,5 | 4,68 | 11,91 | 11,34 | 4,47 |
| | 4 | 4,82 | 12,49 | 11,87 | 4,60 |
| | 5 | 4,91 | 13,29 | 12,69 | 4,73 |
| | 6 | 4,77 | 13,77 | 13,14 | 4,61 |
| | 7 | 4,40 | 13,89 | 13,38 | 4,27 |
| | 8 | 3,72 | 13,72 | 13,19 | 3,56 |
| | 9 | 2,44 | 13,22 | 12,78 | 2,33 |
| | 10 | 0,00 | 12,35 | 12,00 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1004 3h | 2 | 4,40 | 10,25 | 10,11 | 4,24 |
| OLY-1004/WP 3h | 2,5 | 5,12 | 12,01 | 11,71 | 4,90 |
| OLY-1004/WL 3h | 3 | 5,59 | 13,30 | 12,82 | 5,29 |
| OLY-1004/WP/WL 3h | 3,5 | 5,94 | 14,42 | 13,80 | 5,67 |
| | 4 | 6,23 | 15,41 | 14,62 | 5,93 |
| | 5 | 6,63 | 16,90 | 16,11 | 6,34 |
| | 6 | 6,87 | 17,98 | 17,10 | 6,57 |
| | 7 | 6,94 | 18,74 | 17,91 | 6,69 |
| | 8 | 6,84 | 19,28 | 18,42 | 6,59 |
| | 9 | 6,59 | 19,58 | 18,76 | 6,39 |
| | 10 | 6,16 | 19,64 | 18,92 | 6,00 |
| | 11 | 5,50 | 19,49 | 18,73 | 5,32 |
| | 12 | 4,52 | 19,09 | 18,44 | 4,34 |
| | 13 | 2,87 | 18,49 | 17,91 | 2,76 |
| | 14 | 0,00 | 17,59 | 17,11 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|------|------|------|
| OLY-1004 8h | 2 | 2,66 | 6,77 | 6,77 | 2,54 |
| OLY-1004/WP 8h | 2,5 | 2,77 | 7,30 | 7,30 | 2,65 |
| OLY-1004/WL 8h | 3 | 2,78 | 7,64 | 7,64 | 2,67 |
| OLY-1004/WP/WL 8h | 3,5 | 2,68 | 7,84 | 7,84 | 2,59 |
| | 4 | 2,48 | 7,88 | 7,88 | 2,41 |
| | 5 | 1,57 | 7,56 | 7,56 | 1,50 |
| | 6 | 0,00 | 6,62 | 6,62 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1004 8h | 2 | 3,36 | 8,19 | 7,85 | 3,22 |
| OLY-1004/WP 8h | 2,5 | 3,62 | 9,10 | 8,62 | 3,47 |
| OLY-1004/WL 8h | 3 | 3,79 | 9,76 | 9,32 | 3,65 |
| OLY-1004/WP/WL 8h | 3,5 | 3,89 | 10,26 | 9,78 | 3,74 |
| | 4 | 3,92 | 10,62 | 10,18 | 3,79 |
| | 5 | 3,75 | 11,07 | 10,61 | 3,65 |
| | 6 | 3,27 | 11,09 | 10,68 | 3,21 |
| | 7 | 2,27 | 10,71 | 10,37 | 2,22 |
| | 8 | 0,00 | 9,89 | 9,65 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1024 1h | 2 | 7,45 | 17,54 | 7,32 | 2,91 |
| OLY-1024/WP 1h | 2,5 | 8,29 | 19,79 | 7,89 | 3,11 |
| OLY-1024/WL 1h | 3 | 8,93 | 21,73 | 8,39 | 3,29 |
| OLY-1024/WP/WL 1h | 3,5 | 9,40 | 23,35 | 8,79 | 3,46 |
| | 4 | 9,68 | 24,72 | 9,15 | 3,65 |
| | 5 | 8,96 | 26,66 | 9,82 | 3,97 |
| | 6 | 3,73 | 24,33 | 10,60 | 4,12 |
| | 7 | 2,48 | 21,21 | 11,19 | 4,05 |
| | 8 | 0,00 | 11,82 | 11,56 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|-------|-------|-------|------|
| OLY-1024 1h | 2 | 8,42 | 19,88 | 9,20 | 3,66 |
| OLY-1024/WP 1h | 2,5 | 9,52 | 22,52 | 9,94 | 3,94 |
| OLY-1024/WL 1h | 3 | 10,48 | 24,96 | 10,57 | 4,19 |
| OLY-1024/WP/WL 1h | 3,5 | 11,25 | 27,14 | 11,12 | 4,39 |
| | 4 | 11,89 | 29,10 | 11,65 | 4,57 |
| | 5 | 12,83 | 32,34 | 12,47 | 4,91 |
| | 6 | 13,15 | 34,82 | 13,17 | 5,30 |
| | 7 | 11,89 | 36,63 | 13,85 | 5,59 |
| | 8 | 5,91 | 37,41 | 14,63 | 5,78 |
| | 9 | 4,66 | 32,33 | 15,35 | 5,83 |
| | 10 | 3,36 | 29,64 | 15,88 | 5,69 |
| | 11 | 0,37 | 17,68 | 16,26 | 0,00 |
| | 12 | 0,00 | 14,95 | 12,38 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1024 3h | 2 | 7,14 | 16,87 | 6,92 | 2,74 |
| OLY-1024/WP 3h | 2,5 | 7,89 | 18,98 | 7,46 | 2,93 |
| OLY-1024/WL 3h | 3 | 8,44 | 20,81 | 7,91 | 3,09 |
| OLY-1024/WP/WL 3h | 3,5 | 8,81 | 22,23 | 8,28 | 3,28 |
| | 4 | 8,93 | 23,40 | 8,61 | 3,47 |
| | 5 | 4,13 | 24,98 | 9,34 | 3,72 |
| | 6 | 2,82 | 20,61 | 10,06 | 3,78 |
| | 7 | 1,04 | 12,00 | 10,50 | 3,42 |
| | 8 | 0,00 | 9,20 | 7,65 | 0,00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) | | | | |
|-------------------|------------|-------|-------|-------|------|
| OLY-1024 3h | 2 | 8,08 | 19,06 | 8,71 | 3,46 |
| OLY-1024/WP 3h | 2,5 | 9,11 | 21,64 | 9,38 | 3,73 |
| OLY-1024/WL 3h | 3 | 9,97 | 23,96 | 9,98 | 3,95 |
| OLY-1024/WP/WL 3h | 3,5 | 10,67 | 25,99 | 10,52 | 4,14 |
| | 4 | 11,24 | 27,85 | 10,99 | 4,30 |
| | 5 | 11,94 | 30,74 | 11,74 | 4,67 |
| | 6 | 11,61 | 32,90 | 12,39 | 5,03 |
| | 7 | 6,00 | 34,24 | 13,15 | 5,25 |
| | 8 | 4,60 | 30,57 | 13,91 | 5,35 |
| | 9 | 3,35 | 27,88 | 14,49 | 5,27 |
| | 10 | 1,00 | 16,54 | 14,89 | 4,59 |
| | 11 | 0,00 | 13,74 | 11,41 | 0,00 |

OLYMPUS LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1024 8h | 2 | 4,95 | 12,54 | 4,66 | 1,85 |
| OLY-1024/WP 8h | 2,5 | 4,73 | 13,58 | 4,99 | 2,02 |
| OLY-1024/WL 8h | 3 | 2,01 | 12,90 | 5,37 | 2,10 |
| OLY-1024/WP/WL 8h | 3,5 | 1,40 | 11,21 | 5,70 | 2,09 |
| | 4 | 0,11 | 6,37 | 5,90 | 1,84 |
| | 5 | 0,00 | 3,48 | 3,58 | 0,00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1024 8h | 2 | 5,77 | 14,31 | 5,92 | 2,33 |
| OLY-1024/WP 8h | 2,5 | 6,25 | 15,93 | 6,34 | 2,49 |
| OLY-1024/WL 8h | 3 | 6,39 | 17,19 | 6,70 | 2,68 |
| OLY-1024/WP/WL 8h | 3,5 | 5,81 | 18,13 | 7,04 | 2,85 |
| | 4 | 3,18 | 18,66 | 7,42 | 2,95 |
| | 5 | 1,91 | 15,71 | 8,08 | 2,95 |
| | 6 | 0,00 | 8,05 | 6,98 | 0,00 |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004/LT/WP 1h | 2 | 4,02 | 9,45 | 9,19 | 3,84 |
| OLY-1004/LF/WP 1h | 2,5 | 4,45 | 10,68 | 10,26 | 4,22 |
| | 3 | 4,76 | 11,71 | 11,14 | 4,53 |
| | 3,5 | 4,99 | 12,55 | 11,88 | 4,75 |
| | 4 | 5,16 | 13,21 | 12,58 | 4,93 |
| | 5 | 5,34 | 14,17 | 13,49 | 5,12 |
| | 6 | 5,31 | 14,78 | 14,13 | 5,10 |
| | 7 | 5,07 | 15,10 | 14,46 | 4,90 |
| | 8 | 4,59 | 15,11 | 14,53 | 4,45 |
| | 9 | 3,77 | 14,83 | 14,29 | 3,62 |
| | 10 | 2,27 | 14,27 | 13,80 | 2,15 |
| | 11 | 0,00 | 13,33 | 12,95 | 0,00 |




Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004/LT/WP 1h | 2 | 4,40 | 10,25 | 10,11 | 4,24 |
| OLY-1004/LF/WP 1h | 2,5 | 5,34 | 12,45 | 12,24 | 5,13 |
| | 3 | 5,85 | 13,82 | 13,37 | 5,57 |
| | 3,5 | 6,26 | 15,02 | 14,44 | 5,94 |
| | 4 | 6,59 | 16,09 | 15,36 | 6,29 |
| | 5 | 7,07 | 17,81 | 16,88 | 6,74 |
| | 6 | 7,38 | 19,06 | 18,13 | 7,06 |
| | 7 | 7,54 | 19,98 | 19,02 | 7,23 |
| | 8 | 7,54 | 20,65 | 19,74 | 7,26 |
| | 9 | 7,40 | 21,12 | 20,15 | 7,14 |
| | 10 | 7,12 | 21,36 | 20,48 | 6,90 |
| | 11 | 6,65 | 21,39 | 20,60 | 6,47 |
| | 12 | 5,98 | 21,23 | 20,40 | 5,78 |
| | 14 | 3,48 | 20,27 | 19,61 | 3,33 |
| | 16 | 0,00 | 18,33 | 17,80 | 0,00 |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004/LT/WP 3h | 2 | 3,38 | 8,21 | 7,85 | 3,22 |
| OLY-1004/LF/WP 3h | 2,5 | 3,65 | 9,13 | 8,62 | 3,47 |
| | 3 | 3,82 | 9,79 | 9,32 | 3,65 |
| | 3,5 | 3,92 | 10,29 | 9,78 | 3,74 |
| | 4 | 3,94 | 10,66 | 10,18 | 3,79 |
| | 5 | 3,78 | 11,10 | 10,61 | 3,65 |
| | 6 | 3,31 | 11,12 | 10,68 | 3,21 |
| | 7 | 2,32 | 10,74 | 10,37 | 2,22 |
| | 8 | 0,00 | 9,93 | 9,65 | 0,00 |


Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004/LT/WP 3h | 2 | 4,09 | 9,62 | 9,38 | 3,92 |
| OLY-1004/LF/WP 3h | 2,5 | 4,55 | 10,89 | 10,48 | 4,31 |
| | 3 | 4,88 | 11,96 | 11,41 | 4,66 |
| | 3,5 | 5,13 | 12,84 | 12,14 | 4,89 |
| | 4 | 5,31 | 13,54 | 12,91 | 5,09 |
| | 5 | 5,53 | 14,58 | 13,88 | 5,30 |
| | 6 | 5,54 | 15,26 | 14,60 | 5,34 |
| | 7 | 5,35 | 15,66 | 14,98 | 5,18 |
| | 8 | 4,94 | 15,76 | 15,19 | 4,82 |
| | 9 | 4,26 | 15,58 | 14,98 | 4,12 |
| | 10 | 3,10 | 15,11 | 14,62 | 3,00 |
| | 11 | 0,00 | 14,35 | 13,95 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004/LT/WP 8h | 2 | 2,02 | 5,43 | 5,18 | 1,94 |
| OLY-1004/LF/WP 8h | 2,5 | 1,95 | 5,67 | 5,42 | 1,89 |
| | 3 | 1,74 | 5,71 | 5,49 | 1,69 |
| | 3,5 | 1,31 | 5,55 | 5,36 | 1,25 |
| | 4 | 0,00 | 5,20 | 5,05 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------------|------------|---|---|---|---|
| OLY-1004/LT/WP 8h | 2 | 2,67 | 6,84 | 6,55 | 2,59 |
| OLY-1004/LF/WP 8h | 2,5 | 2,80 | 7,38 | 7,06 | 2,71 |
| | 3 | 2,82 | 7,74 | 7,44 | 2,74 |
| | 3,5 | 2,74 | 7,97 | 7,65 | 2,68 |
| | 4 | 2,55 | 8,04 | 7,79 | 2,52 |
| | 5 | 1,72 | 7,78 | 7,56 | 1,70 |
| | 6 | 0,00 | 6,92 | 6,79 | 0,00 |

OLYMPUS LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1004/SC/WP 1h | 2 | 3,93 | 9,27 | 8,97 | 3,74 |
| OLY-1004/SC/WP 1h | 2,5 | 4,33 | 10,45 | 10,02 | 4,12 |
| | 3 | 4,62 | 11,44 | 10,85 | 4,39 |
| | 3,5 | 4,83 | 12,22 | 11,60 | 4,61 |
| | 4 | 4,98 | 12,83 | 12,20 | 4,76 |
| | 5 | 5,11 | 13,70 | 13,07 | 4,92 |
| | 6 | 5,03 | 14,26 | 13,60 | 4,84 |
| | 7 | 4,73 | 14,46 | 13,90 | 4,58 |
| | 8 | 4,14 | 14,40 | 13,82 | 4,00 |
| | 9 | 3,14 | 13,98 | 13,51 | 3,00 |
| | 10 | 0,38 | 13,28 | 12,87 | 0,42 |
| | 11 | 0,00 | 12,17 | 11,73 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1004/SC/WP 1h | 2 | 4,40 | 10,25 | 10,11 | 4,24 |
| OLY-1004/SC/WP 1h | 2,5 | 5,22 | 12,22 | 11,96 | 5,01 |
| | 3 | 5,71 | 13,55 | 13,08 | 5,42 |
| | 3,5 | 6,10 | 14,71 | 14,11 | 5,80 |
| | 4 | 6,40 | 15,73 | 14,98 | 6,10 |
| | 5 | 6,84 | 17,34 | 16,48 | 6,53 |
| | 6 | 7,11 | 18,49 | 17,58 | 6,80 |
| | 7 | 7,22 | 19,32 | 18,44 | 6,95 |
| | 8 | 7,18 | 19,93 | 19,06 | 6,91 |
| | 9 | 6,98 | 20,31 | 19,41 | 6,75 |
| | 10 | 6,62 | 20,45 | 19,69 | 6,43 |
| | 11 | 6,07 | 20,40 | 19,62 | 5,90 |
| | 12 | 5,26 | 20,11 | 19,37 | 5,06 |
| | 14 | 1,49 | 18,90 | 18,32 | 1,41 |
| | 16 | 0,00 | 15,52 | 14,94 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|------|------|------|
| OLY-1004/LT/WP 3h | 2 | 2,90 | 7,27 | 6,87 | 2,76 |
| OLY-1004/LF/WP 3h | 2,5 | 3,06 | 7,91 | 7,52 | 2,92 |
| | 3 | 3,13 | 8,35 | 7,96 | 3,00 |
| | 3,5 | 3,11 | 8,65 | 8,26 | 2,98 |
| | 4 | 3,00 | 8,82 | 8,44 | 2,89 |
| | 5 | 2,46 | 8,78 | 8,43 | 2,36 |
| | 6 | 0,94 | 8,24 | 7,98 | 0,87 |
| | 7 | 0,00 | 6,47 | 6,22 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|-------|-------|------|
| OLY-1004/LT/WP 3h | 2 | 3,61 | 8,68 | 8,35 | 3,43 |
| OLY-1004/LF/WP 3h | 2,5 | 3,93 | 9,71 | 9,25 | 3,76 |
| | 3 | 4,15 | 10,51 | 9,99 | 3,98 |
| | 3,5 | 4,30 | 11,12 | 10,60 | 4,13 |
| | 4 | 4,39 | 11,59 | 11,05 | 4,22 |
| | 5 | 4,37 | 12,23 | 11,71 | 4,21 |
| | 6 | 4,09 | 12,50 | 12,03 | 3,99 |
| | 7 | 3,50 | 12,41 | 11,95 | 3,41 |
| | 8 | 2,36 | 11,97 | 11,59 | 2,30 |
| | 9 | 0,00 | 11,12 | 10,84 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|------|------|------|
| OLY-1004/LT/WP 8h | 2 | 1,50 | 4,41 | 4,22 | 1,44 |
| OLY-1004/LF/WP 8h | 2,5 | 1,23 | 4,39 | 4,21 | 1,18 |
| | 3 | 0,47 | 4,12 | 3,99 | 0,43 |
| | 3,5 | 0,00 | 3,23 | 3,11 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-------------------|------------|------|------|------|------|
| OLY-1004/LT/WP 8h | 2 | 2,15 | 5,74 | 5,52 | 2,11 |
| OLY-1004/LF/WP 8h | 2,5 | 2,14 | 6,06 | 5,85 | 2,10 |
| | 3 | 1,99 | 6,20 | 6,01 | 1,98 |
| | 3,5 | 1,69 | 6,15 | 5,97 | 1,68 |
| | 4 | 1,10 | 5,92 | 5,79 | 1,09 |
| | 5 | 0,00 | 4,23 | 4,19 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------------|------------|------|-------|-------|------|
| OLY-1004/CBS/24VDC | 2 | 3,83 | 9,07 | 8,76 | 3,63 |
| OLY-1004/CBS/24VDC/WP | 2,5 | 4,20 | 10,20 | 9,76 | 4,01 |
| | 3 | 4,47 | 11,14 | 10,53 | 4,25 |
| | 3,5 | 4,65 | 11,85 | 11,29 | 4,45 |
| | 4 | 4,79 | 12,41 | 11,80 | 4,57 |
| | 5 | 4,87 | 13,20 | 12,61 | 4,68 |
| | 6 | 4,72 | 13,66 | 13,04 | 4,56 |
| | 7 | 4,33 | 13,77 | 13,26 | 4,21 |
| | 8 | 3,62 | 13,58 | 13,06 | 3,47 |
| | 9 | 2,27 | 13,06 | 12,62 | 2,16 |
| | 10 | 0,00 | 12,15 | 11,80 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------------|------------|------|-------|-------|------|
| OLY-1004/CBS/24VDC | 2 | 4,40 | 10,25 | 10,11 | 4,24 |
| OLY-1004/CBS/24VDC/WP | 2,5 | 5,10 | 11,97 | 11,66 | 4,88 |
| | 3 | 5,56 | 13,25 | 12,76 | 5,26 |
| | 3,5 | 5,91 | 14,36 | 13,74 | 5,64 |
| | 4 | 6,19 | 15,34 | 14,55 | 5,90 |
| | 5 | 6,59 | 16,81 | 16,04 | 6,30 |
| | 6 | 6,82 | 17,88 | 17,00 | 6,52 |
| | 7 | 6,88 | 18,62 | 17,80 | 6,63 |
| | 8 | 6,77 | 19,15 | 18,28 | 6,53 |
| | 9 | 6,51 | 19,42 | 18,62 | 6,31 |
| | 10 | 6,06 | 19,47 | 18,75 | 5,90 |
| | 11 | 5,38 | 19,30 | 18,54 | 5,20 |
| | 12 | 4,35 | 18,88 | 18,24 | 4,18 |
| | 13 | 2,57 | 18,25 | 17,69 | 2,47 |
| | 14 | 0,00 | 17,32 | 16,84 | 0,00 |

OLYMPUS LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------------|------------|-------|-------|-------|------|
| OLY-1024/CBS/24VDC | 2 | 7,81 | 18,29 | 7,80 | 3,10 |
| OLY-1024/CBS/24VDC/WP | 2,5 | 8,75 | 20,69 | 8,41 | 3,33 |
| | 3 | 9,46 | 22,78 | 8,95 | 3,52 |
| | 3,5 | 10,03 | 24,63 | 9,40 | 3,68 |
| | 4 | 10,44 | 26,12 | 9,78 | 3,86 |
| | 5 | 10,63 | 28,48 | 10,45 | 4,23 |
| | 6 | 4,94 | 29,96 | 11,20 | 4,46 |
| | 7 | 3,63 | 25,16 | 11,94 | 4,54 |
| | 8 | 2,23 | 22,01 | 12,44 | 4,34 |
| | 9 | 0,00 | 12,48 | 12,52 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------------------|------------|-------|-------|-------|------|
| OLY-1024/CBS/24VDC | 2 | 8,82 | 20,82 | 9,49 | 3,79 |
| OLY-1024/CBS/24VDC/WP | 2,5 | 10,00 | 23,53 | 10,59 | 4,20 |
| | 3 | 11,01 | 26,10 | 11,26 | 4,47 |
| | 3,5 | 11,90 | 28,44 | 11,85 | 4,70 |
| | 4 | 12,63 | 30,55 | 12,40 | 4,89 |
| | 5 | 13,79 | 34,20 | 13,34 | 5,22 |
| | 6 | 14,44 | 37,05 | 14,08 | 5,60 |
| | 7 | 14,39 | 39,25 | 14,74 | 5,97 |
| | 8 | 12,56 | 40,81 | 15,44 | 6,22 |
| | 9 | 6,24 | 39,71 | 16,24 | 6,38 |
| | 10 | 5,00 | 35,35 | 16,95 | 6,41 |
| | 11 | 3,70 | 32,63 | 17,47 | 6,26 |
| | 12 | 1,14 | 19,79 | 17,86 | 5,54 |
| | 13 | 0,00 | 16,96 | 14,41 | 0,00 |

SPOT LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|----------------|------------|-------|-------|------|------|
| GR-290/M | 2 | 7,64 | 16,31 | 4,70 | 1,85 |
| GR-290/M/WP | 2,5 | 9,11 | 19,55 | 4,97 | 2,10 |
| GR-290/M/WL | 3 | 10,44 | 22,68 | 5,39 | 2,33 |
| GR-290/M/WP/WL | 3,5 | 11,47 | 25,58 | 5,90 | 2,54 |
| GR-290/M/ADR | 4 | 12,41 | 28,29 | 6,38 | 2,74 |
| | 5 | 13,71 | 32,65 | 7,23 | 3,03 |
| | 6 | 4,19 | 28,83 | 8,01 | 3,07 |
| | 7 | 2,17 | 27,64 | 8,56 | 2,63 |
| | 8 | 0 | 15,65 | 6,46 | 0 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|----------------|------------|------|-------|-------|------|
| GR-291/M | 2 | 4,76 | 10,58 | 9,63 | 4,35 |
| GR-291/M/WP | 2,5 | 5,51 | 12,41 | 11,25 | 5,08 |
| GR-291/M/WL | 3 | 6,17 | 14,06 | 12,85 | 5,69 |
| GR-291/M/WP/WL | 3,5 | 6,77 | 15,54 | 14,29 | 6,31 |
| GR-291/M/ADR | 4 | 7,24 | 16,88 | 15,54 | 6,86 |
| | 5 | 8,01 | 19,3 | 17,97 | 7,74 |
| | 6 | 7,99 | 21,01 | 20,09 | 8,29 |
| | 7 | 6,72 | 22,57 | 21,79 | 7,83 |
| | 8 | 4,12 | 22,13 | 22,28 | 4,38 |
| | 9 | 0 | 18,83 | 17,31 | 0 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|----------------|------------|------|-------|------|------|
| GR-292/M | 2 | 7,07 | 15,29 | 3,70 | 1,59 |
| GR-292/M/WP | 2,5 | 8,16 | 18,23 | 4,20 | 1,80 |
| GR-292/M/WL | 3 | 9,03 | 20,89 | 4,66 | 2,00 |
| GR-292/M/WP/WL | 3,5 | 9,66 | 22,94 | 5,08 | 2,14 |
| GR-292/M/ADR | 4 | 3,91 | 20,71 | 5,49 | 2,20 |
| | 5 | 1,42 | 19,44 | 6,07 | 1,82 |
| | 6 | 0,00 | 8,39 | 4,14 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|----------------|------------|------|-------|-------|------|
| GR-293/M | 2 | 4,19 | 9,52 | 8,71 | 3,88 |
| GR-293/M/WP | 2,5 | 4,80 | 11,03 | 10,17 | 4,49 |
| GR-293/M/WL | 3 | 5,24 | 12,34 | 11,39 | 5,02 |
| GR-293/M/WP/WL | 3,5 | 5,63 | 13,54 | 12,62 | 5,44 |
| GR-293/M/ADR | 4 | 5,77 | 14,49 | 13,73 | 5,75 |
| | 5 | 4,46 | 15,98 | 15,48 | 5,21 |
| | 6 | 1,71 | 15,25 | 14,71 | 1,90 |
| | 7 | 0,00 | 11,18 | 10,78 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) | | | | |
|-----------------|------------|-------|-------|------|------|
| GR-292/M/HL | 2 | 7,71 | 16,52 | 4,89 | 1,90 |
| GR-292/M/HL/WL | 2,5 | 9,21 | 19,70 | 5,14 | 2,14 |
| GR-292/M/HL/ADR | 3 | 10,58 | 22,89 | 5,53 | 2,38 |
| | 3,5 | 11,69 | 25,86 | 6,03 | 2,60 |
| | 4 | 12,66 | 28,64 | 6,52 | 2,80 |
| | 5 | 14,10 | 33,27 | 7,39 | 3,13 |
| | 6 | 5,57 | 30,57 | 8,19 | 3,26 |
| | 7 | 2,83 | 29,53 | 8,81 | 2,97 |
| | 8 | 0 | 19,66 | 9,09 | 0 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) | | | | |
|-----------------|------------|------|-------|-------|------|
| GR-293/M/HL | 2 | 4,88 | 10,86 | 10,55 | 4,75 |
| GR-293/M/HL/WL | 2,5 | 5,67 | 12,76 | 12,28 | 5,53 |
| GR-293/M/HL/ADR | 3 | 6,39 | 14,48 | 14,00 | 6,20 |
| | 3,5 | 7,01 | 16,07 | 15,56 | 6,75 |
| | 4 | 7,54 | 17,53 | 16,95 | 7,18 |
| | 5 | 8,19 | 20,06 | 19,22 | 7,82 |
| | 6 | 8,39 | 21,99 | 20,83 | 8,08 |
| | 7 | 7,62 | 23,19 | 22,04 | 7,60 |
| | 8 | 5,82 | 23,8 | 22,8 | 6,64 |
| | 9 | 0 | 23,08 | 22,61 | 0 |

SPOT LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------|------------|---|---|---|---|
| GR-270 | 2 | 7,13 | 15,39 | 3,77 | 1,61 |
| | 2,5 | 8,26 | 18,37 | 4,26 | 1,83 |
| | 3 | 9,20 | 21,08 | 4,73 | 2,03 |
| | 3,5 | 9,84 | 23,25 | 5,16 | 2,18 |
| | 4 | 4,53 | 22,59 | 5,57 | 2,27 |
| | 5 | 1,77 | 20,39 | 6,20 | 2,00 |
| 6 | 0,00 | 10,21 | 4,46 | 0,00 | |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------|------------|---|---|---|---|
| GR-271 | 2 | 4,24 | 9,62 | 8,78 | 3,93 |
| | 2,5 | 4,86 | 11,16 | 10,28 | 4,54 |
| | 3 | 5,34 | 12,50 | 11,54 | 5,09 |
| | 3,5 | 5,73 | 13,72 | 12,76 | 5,54 |
| | 4 | 5,96 | 14,77 | 13,91 | 5,88 |
| | 5 | 5,05 | 16,31 | 15,74 | 5,82 |
| | 6 | 2,50 | 16,02 | 15,74 | 2,79 |
| 7 | 0,00 | 12,01 | 11,54 | 0,00 | |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------|------------|---|---|---|---|
| GR-272 | 2 | 6,82 | 14,95 | 3,52 | 1,52 |
| | 2,5 | 7,79 | 17,74 | 4,01 | 1,72 |
| | 3 | 8,48 | 20 | 4,44 | 1,88 |
| | 3,5 | 3,78 | 18,87 | 4,85 | 1,97 |
| | 4 | 2,06 | 18,02 | 5,19 | 1,89 |
| | 5 | 0 | 10,32 | 4,22 | 0 |


Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------|------------|---|---|---|---|
| GR-273 | 2 | 4,01 | 9,16 | 8,43 | 3,72 |
| | 2,5 | 4,54 | 10,56 | 9,76 | 4,31 |
| | 3 | 4,93 | 11,8 | 10,97 | 4,77 |
| | 3,5 | 5,17 | 12,84 | 12,13 | 5,11 |
| | 4 | 4,83 | 13,59 | 13,08 | 5,2 |
| | 5 | 2,72 | 14,06 | 14,12 | 2,82 |
| | 6 | 0 | 10,61 | 10,11 | 0 |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|----------------|------------|---|---|---|---|
| GR-290 | 2 | 7,57 | 16,08 | 4,5 | 1,8 |
| GR-290/ADR | 2,5 | 9 | 19,37 | 4,8 | 2,05 |
| GR-280/24VDC | 3 | 10,23 | 22,43 | 5,28 | 2,28 |
| GR-280/24V/ADR | 3,5 | 11,23 | 25,26 | 5,78 | 2,49 |
| GR-280 | 4 | 12,09 | 27,92 | 6,23 | 2,67 |
| | 5 | 13,05 | 31,96 | 7,08 | 2,93 |
| | 6 | 3,09 | 27,03 | 7,79 | 2,83 |
| | 7 | 0,91 | 25,75 | 8,22 | 1,51 |
| | 8 | 0,00 | 11,52 | 5,60 | 0,00 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|----------------|------------|---|---|---|---|
| GR-291 | 2 | 4,67 | 10,42 | 9,49 | 4,29 |
| GR-291/ADR | 2,5 | 5,4 | 12,21 | 11,1 | 4,98 |
| GR-281/24VDC | 3 | 6,04 | 13,81 | 12,65 | 5,59 |
| GR-281/24V/ADR | 3,5 | 6,62 | 15,23 | 14,02 | 6,19 |
| GR-281 | 4 | 7,02 | 16,52 | 15,23 | 6,71 |
| | 5 | 7,69 | 18,87 | 17,64 | 7,52 |
| | 6 | 7,25 | 20,41 | 19,63 | 7,86 |
| | 7 | 5,41 | 21,51 | 21,18 | 6,10 |
| | 8 | 2,69 | 20,54 | 19,79 | 3,00 |
| | 9 | 0,00 | 15,92 | 15,17 | 0,00 |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-292 | 2 | 7,13 | 15,39 | 3,77 | 1,61 |
| GR-292/ADR | 2,5 | 8,26 | 18,37 | 4,26 | 1,83 |
| | 3 | 9,2 | 21,08 | 4,73 | 2,03 |
| | 3,5 | 9,84 | 23,25 | 5,16 | 2,18 |
| | 4 | 4,53 | 22,59 | 5,57 | 2,27 |
| | 5 | 1,77 | 20,39 | 6,2 | 2 |
| | 6 | 0 | 10,21 | 4,46 | 0 |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-293 | 2 | 4,3 | 9,71 | 9,46 | 4,21 |
| GR-293/ADR | 2,5 | 4,92 | 11,29 | 11 | 4,76 |
| | 3 | 5,39 | 12,7 | 12,34 | 5,15 |
| | 3,5 | 5,67 | 13,92 | 13,4 | 5,45 |
| | 4 | 5,84 | 14,97 | 14,23 | 5,63 |
| | 5 | 5,05 | 16,19 | 15,48 | 5,14 |
| | 6 | 2,33 | 16,38 | 15,85 | 3,01 |
| | 7 | 0,00 | 12,23 | 11,48 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|--------------|------------|---|---|---|---|
| GR-220/M/DUO | 2 | 7,28 | 16,10 | 6,74 | 2,62 |
| | 2,5 | 8,36 | 18,91 | 7,19 | 2,69 |
| | 3 | 9,18 | 21,46 | 7,52 | 2,76 |
| | 3,5 | 9,93 | 23,53 | 7,62 | 2,87 |
| | 4 | 10,67 | 25,20 | 7,70 | 3,02 |
| | 5 | 11,99 | 28,23 | 8,16 | 3,24 |
| | 6 | 12,39 | 31,22 | 8,76 | 3,32 |
| | 7 | 2,78 | 27,03 | 9,14 | 2,98 |
| 8 | 0,00 | 24,65 | 9,38 | 0,00 | |

Open area, 0.5Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|--------------|------------|---|---|---|---|
| GR-220/M/DUO | 2 | 4,84 | 10,98 | 9,7 | 4,32 |
| | 2,5 | 5,51 | 12,71 | 11,18 | 5,04 |
| | 3 | 6,12 | 14,19 | 12,76 | 5,64 |
| | 3,5 | 6,72 | 15,51 | 14,18 | 6,19 |
| | 4 | 7,24 | 16,76 | 15,4 | 6,66 |
| | 5 | 8,01 | 19,15 | 17,62 | 7,46 |
| | 6 | 8,25 | 21,13 | 19,42 | 8,02 |
| | 7 | 7,07 | 22,61 | 21,01 | 7,86 |
| | 8 | 4,5 | 22,79 | 22,34 | 5,21 |
| 9 | 0 | 20,33 | 18,53 | 0 | |

SPOT LIGHT





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------|------------|---|---|---|---|
| GR-221/M/DUO | 2 | 6,30 | 14,57 | 5,24 | 1,92 |
| | 2,5 | 7,05 | 16,72 | 5,39 | 2,04 |
| | 3 | 7,80 | 18,36 | 5,52 | 2,19 |
| | 3,5 | 8,45 | 19,86 | 5,75 | 2,28 |
| | 4 | 8,82 | 21,34 | 6,05 | 2,34 |
| | 5 | 1,87 | 18,89 | 6,48 | 2,08 |
| 6 | 0,00 | 16,83 | 4,86 | 0,00 | |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------|------------|---|---|---|---|
| GR-221/M/DUO | 2 | 4,18 | 9,69 | 8,65 | 3,85 |
| | 2,5 | 4,77 | 11,03 | 10,09 | 4,4 |
| | 3 | 5,26 | 12,25 | 11,28 | 4,85 |
| | 3,5 | 5,63 | 13,44 | 12,38 | 5,25 |
| | 4 | 5,83 | 14,48 | 13,32 | 5,56 |
| | 5 | 4,8 | 16,03 | 14,92 | 5,44 |
| | 6 | 2,27 | 15,65 | 15,48 | 2,11 |
| 7 | 0 | 11,59 | 10,72 | 0 | |





Open area, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|---------------|------------|---|---|---|---|
| GR-298/60L | 2 | 3,92 | 9,59 | 9,28 | 3,79 |
| GR-298/60L/WP | 2,5 | 4,90 | 11,99 | 11,61 | 4,73 |
| | 3 | 5,46 | 13,41 | 13,03 | 5,31 |
| | 3,5 | 5,82 | 14,28 | 13,88 | 5,67 |
| | 4 | 6,17 | 15,13 | 14,67 | 5,98 |
| | 5 | 6,77 | 16,59 | 16,1 | 6,54 |
| | 6 | 7,24 | 17,93 | 17,34 | 6,99 |
| | 7 | 7,6 | 19,11 | 18,44 | 7,34 |
| | 8 | 7,85 | 20,1 | 19,37 | 7,56 |
| | 9 | 7,98 | 20,92 | 20,17 | 7,68 |
| | 10 | 8 | 21,59 | 20,83 | 7,71 |
| | 11 | 7,86 | 22,10 | 21,28 | 7,59 |
| | 12 | 7,60 | 22,45 | 21,59 | 7,34 |
| | 13 | 7,15 | 22,64 | 21,77 | 6,91 |
| | 14 | 6,48 | 22,66 | 21,82 | 6,28 |
| | 15 | 5,48 | 22,47 | 21,65 | 5,28 |
| | 16 | 3,87 | 22,09 | 21,31 | 3,83 |
| 17 | 0,00 | 21,51 | 20,74 | 0,00 | |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|------------|------------|---|---|---|---|
| GR-298/30L | 2 | 3,72 | 9,15 | 8,93 | 3,64 |
| | 2,5 | 4,09 | 10,04 | 9,79 | 3,99 |
| | 3 | 4,42 | 10,85 | 10,56 | 4,3 |
| | 3,5 | 4,72 | 11,58 | 11,26 | 4,58 |
| | 4 | 4,96 | 12,26 | 11,89 | 4,8 |
| | 5 | 5,33 | 13,45 | 13 | 5,16 |
| | 6 | 5,54 | 14,38 | 13,88 | 5,34 |
| | 7 | 5,58 | 15,08 | 14,57 | 5,39 |
| | 8 | 5,42 | 15,56 | 14,99 | 5,24 |
| | 9 | 5,03 | 15,8 | 15,21 | 4,87 |
| | 10 | 4,33 | 15,8 | 15,23 | 4,2 |
| | 11 | 3,05 | 15,51 | 14,98 | 3,01 |
| 12 | 0,00 | 14,94 | 14,41 | 0,00 | |

Open area, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------------|------------|---|---|---|---|
| GR-296/60L/CBS/230 | 2 | 3,92 | 9,59 | 9,28 | 3,79 |
| | 2,5 | 4,90 | 11,99 | 11,61 | 4,73 |
| | 3 | 5,67 | 13,90 | 13,51 | 5,51 |
| | 3,5 | 6,03 | 14,83 | 14,4 | 5,88 |
| | 4 | 6,4 | 15,68 | 15,21 | 6,21 |
| | 5 | 7,03 | 17,19 | 16,71 | 6,8 |
| | 6 | 7,54 | 18,61 | 17,99 | 7,28 |
| | 7 | 7,95 | 19,84 | 19,16 | 7,67 |
| | 8 | 8,24 | 20,92 | 20,16 | 7,95 |
| | 9 | 8,44 | 21,82 | 21,03 | 8,12 |
| | 10 | 8,52 | 22,58 | 21,77 | 8,2 |
| | 11 | 8,49 | 23,19 | 22,36 | 8,18 |
| | 12 | 8,31 | 23,66 | 22,76 | 8,03 |
| | 13 | 8,01 | 23,96 | 23,03 | 7,73 |
| | 14 | 7,52 | 24,12 | 23,19 | 7,26 |
| | 15 | 6,82 | 24,12 | 23,22 | 6,60 |
| | 16 | 5,81 | 23,92 | 23,04 | 5,59 |
| | 17 | 4,19 | 23,53 | 22,70 | 4,15 |
| 18 | 0,00 | 22,97 | 22,15 | 0,00 | |

Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|--------------------|------------|---|---|---|---|
| GR-296/30L/CBS/230 | 2 | 3,89 | 9,55 | 9,28 | 3,79 |
| | 2,5 | 4,27 | 10,49 | 10,22 | 4,17 |
| | 3 | 4,62 | 11,34 | 11,02 | 4,49 |
| | 3,5 | 4,93 | 12,07 | 11,76 | 4,79 |
| | 4 | 5,2 | 12,8 | 12,43 | 5,04 |
| | 5 | 5,62 | 14,06 | 13,6 | 5,44 |
| | 6 | 5,89 | 15,09 | 14,56 | 5,69 |
| | 7 | 6,01 | 15,9 | 15,35 | 5,79 |
| | 8 | 5,96 | 16,49 | 15,91 | 5,76 |
| | 9 | 5,72 | 16,88 | 16,24 | 5,53 |
| | 10 | 5,25 | 17,05 | 16,41 | 5,08 |
| | 11 | 4,43 | 16,98 | 16,36 | 4,30 |
| | 12 | 2,98 | 16,63 | 16,06 | 2,95 |
| 13 | 0,00 | 16,03 | 15,46 | 0,00 | |

SPOT LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|------|-------|-------|------|
| Kit-77-84 | 2 | 2,81 | 6,37 | 5,92 | 2,58 |
| | 2,5 | 3,21 | 7,36 | 6,74 | 2,96 |
| | 3 | 3,52 | 8,26 | 7,59 | 3,28 |
| | 3,5 | 3,73 | 9,04 | 8,34 | 3,51 |
| | 4 | 3,86 | 9,69 | 8,99 | 3,65 |
| | 5 | 3,74 | 10,6 | 9,97 | 3,63 |
| | 6 | 3,23 | 11 | 10,45 | 3,12 |
| | 7 | 2,41 | 10,63 | 10,31 | 2,25 |
| 8 | 0 | 9,74 | 9,48 | 0 | |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|-------|-------|-------|------|
| Kit-77-84 | 2 | 3,15 | 7,66 | 6,9 | 2,92 |
| | 2,5 | 3,64 | 8,46 | 7,84 | 3,31 |
| | 3 | 4,09 | 9,33 | 8,59 | 3,73 |
| | 3,5 | 4,49 | 10,29 | 9,39 | 4,11 |
| | 4 | 4,81 | 11,21 | 10,24 | 4,45 |
| | 5 | 5,27 | 12,82 | 11,78 | 4,94 |
| | 6 | 5,47 | 14,04 | 13,04 | 5,19 |
| | 7 | 5,29 | 14,9 | 13,98 | 5,11 |
| | 8 | 4,85 | 15,43 | 14,56 | 4,67 |
| | 9 | 4,21 | 15,43 | 14,78 | 3,96 |
| | 10 | 3,28 | 14,94 | 14,46 | 2,96 |
| | 11 | 0,09 | 14,09 | 13,64 | 0,21 |
| 12 | 0 | 12,92 | 12,4 | 0 | |

TETRAGONO

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|--------------|------------|-------|-------|------|------|
| GR-490 | 2 | 6,51 | 14,18 | 5,69 | 2,17 |
| GR-490/WP | 2,5 | 7,63 | 16,80 | 6,01 | 2,21 |
| GR-490/ADR | 3 | 8,59 | 19,23 | 6,18 | 2,28 |
| GR-490/WL | 3,5 | 9,48 | 21,43 | 6,26 | 2,40 |
| GR-490/WL/WP | 4 | 10,38 | 23,39 | 6,33 | 2,54 |
| | 5 | 11,76 | 27,02 | 6,82 | 2,69 |
| | 6 | 1,91 | 21,86 | 7,34 | 2,50 |
| | 7 | 0 | 20,91 | 5,79 | 0 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|--------------|------------|------|-------|-------|------|
| GR-491 | 2 | 4,82 | 10,75 | 9,93 | 4,36 |
| GR-491/WP | 2,5 | 5,55 | 12,57 | 11,36 | 5,07 |
| GR-491/ADR | 3 | 6,20 | 14,17 | 12,86 | 5,64 |
| GR-491/WL | 3,5 | 6,66 | 15,62 | 14,25 | 6,12 |
| GR-491/WL/WP | 4 | 7,05 | 16,96 | 15,43 | 6,57 |
| | 5 | 7,53 | 18,96 | 17,4 | 7,24 |
| | 6 | 6,91 | 20,45 | 19,15 | 7,33 |
| | 7 | 4,89 | 21,17 | 20,44 | 5,46 |
| | 8 | 0,14 | 19,90 | 19,23 | 1,91 |
| | 9 | 0 | 15,89 | 14,75 | 0 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|--------------|------------|------|-------|------|------|
| GR-492 | 2 | 5,84 | 13,03 | 4,35 | 1,58 |
| GR-492/WP | 2,5 | 6,75 | 15,26 | 4,42 | 1,70 |
| GR-492/ADR | 3 | 7,62 | 17,18 | 4,56 | 1,83 |
| GR-492/WL | 3,5 | 8,28 | 18,97 | 4,81 | 1,90 |
| GR-492/WL/WP | 4 | 1,94 | 16,11 | 5,08 | 1,87 |
| | 5 | 0,00 | 14,59 | 3,94 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|--------------|------------|------|-------|-------|------|
| GR-493 | 2 | 4,23 | 9,64 | 8,73 | 3,85 |
| GR-493/WP | 2,5 | 4,71 | 11,11 | 10,14 | 4,35 |
| GR-493/ADR | 3 | 5,08 | 12,41 | 11,29 | 4,78 |
| GR-493/WL | 3,5 | 5,30 | 13,32 | 12,24 | 5,09 |
| GR-493/WL/WP | 4 | 5,14 | 14,10 | 13,14 | 5,19 |
| | 5 | 3,37 | 14,93 | 14,48 | 3,31 |
| | 6 | 0,00 | 13,01 | 11,85 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|------|-------|------|------|
| GR-470 | 2 | 5,88 | 13,08 | 4,42 | 1,60 |
| GR-470/WP | 2,5 | 6,79 | 15,35 | 4,50 | 1,72 |
| | 3 | 7,67 | 17,29 | 4,61 | 1,85 |
| | 3,5 | 8,36 | 19,08 | 4,86 | 1,93 |
| | 4 | 2,10 | 17,06 | 5,14 | 1,92 |
| | 5 | 0,00 | 15,14 | 4,37 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|------|-------|-------|------|
| GR-471 | 2 | 4,26 | 9,71 | 8,78 | 3,88 |
| GR-471/WP | 2,5 | 4,76 | 11,19 | 10,21 | 4,38 |
| | 3 | 5,14 | 12,50 | 11,37 | 4,83 |
| | 3,5 | 5,39 | 13,46 | 12,34 | 5,16 |
| | 4 | 5,28 | 14,25 | 13,25 | 5,28 |
| | 5 | 3,58 | 15,23 | 14,66 | 3,80 |
| | 6 | 2,08 | 14,62 | 14,43 | 2,28 |
| | 7 | 0,00 | 13,69 | 12,81 | 0,00 |

TETRAGONO LIGHT

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|------|-------|------|------|
| GR-472 | 2 | 5,30 | 11,97 | 3,32 | 1,32 |
| GR-472/WP | 2,5 | 6,11 | 13,81 | 3,56 | 1,42 |
| | 3 | 1,51 | 12,32 | 3,83 | 1,42 |
| | 3,5 | 0,00 | 11,38 | 4,02 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|------|-------|-------|------|
| GR-473 | 2 | 3,63 | 8,70 | 7,93 | 3,39 |
| GR-473/WP | 2,5 | 3,96 | 9,81 | 8,98 | 3,78 |
| | 3 | 3,89 | 10,59 | 9,89 | 3,87 |
| | 3,5 | 3,01 | 11,22 | 10,64 | 3,23 |
| | 4 | 1,77 | 10,97 | 10,79 | 1,83 |
| | 5 | 0,00 | 7,92 | 7,49 | 0,00 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|-------|-------|------|------|
| GR-480 | 2 | 6,48 | 14,12 | 5,61 | 2,14 |
| GR-480/WP | 2,5 | 7,58 | 16,73 | 5,92 | 2,16 |
| | 3 | 8,53 | 19,13 | 6,08 | 2,25 |
| | 3,5 | 9,43 | 21,3 | 6,13 | 2,37 |
| | 4 | 10,31 | 23,25 | 6,24 | 2,51 |
| | 5 | 6,3 | 26,86 | 6,74 | 2,65 |
| | 6 | 1,66 | 21,32 | 7,25 | 2,37 |
| | 7 | 0 | 20,08 | 5,34 | 0 |

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|-----------|------------|-------|-------|------|------|
| GR-480 | 2 | 6,48 | 14,12 | 5,61 | 2,14 |
| GR-480/WP | 2,5 | 7,58 | 16,73 | 5,92 | 2,16 |
| | 3 | 8,53 | 19,13 | 6,08 | 2,25 |
| | 3,5 | 9,43 | 21,3 | 6,13 | 2,37 |
| | 4 | 10,31 | 23,25 | 6,24 | 2,51 |
| | 5 | 6,3 | 26,86 | 6,74 | 2,65 |
| | 6 | 1,66 | 21,32 | 7,25 | 2,37 |
| | 7 | 0 | 20,08 | 5,34 | 0 |

CONVERTERS

Escape route, 1Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| PTD-1400X | 2 | 4,08 | 9,83 | 9,52 | 3,98 |
| PTD-1400X3 | 2,5 | 4,49 | 10,90 | 10,62 | 4,38 |
| | 3 | 4,80 | 11,84 | 11,55 | 4,69 |
| | 3,5 | 5,04 | 12,66 | 12,34 | 4,95 |
| | 4 | 5,21 | 13,33 | 13,00 | 5,15 |
| | 5 | 5,38 | 14,32 | 14,05 | 5,39 |
| | 6 | 5,39 | 14,92 | 14,81 | 5,39 |
| | 7 | 5,20 | 15,22 | 15,24 | 5,24 |
| | 8 | 4,74 | 15,28 | 15,35 | 4,84 |
| | 9 | 3,99 | 15,16 | 15,10 | 4,25 |
| | 10 | 2,82 | 14,65 | 14,79 | 3,09 |
| | 11 | 0,00 | 13,77 | 14,04 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| PTD-1400X | 2 | 4,44 | 10,63 | 10,24 | 4,32 |
| PTD-1400X3 | 2,5 | 5,45 | 13,08 | 12,60 | 5,28 |
| | 3 | 5,91 | 14,28 | 13,83 | 5,74 |
| | 3,5 | 6,31 | 15,34 | 14,91 | 6,14 |
| | 4 | 6,64 | 16,31 | 15,87 | 6,47 |
| | 5 | 7,12 | 17,95 | 17,49 | 6,99 |
| | 6 | 7,42 | 19,19 | 18,75 | 7,37 |
| | 7 | 7,57 | 20,13 | 19,76 | 7,59 |
| | 8 | 7,61 | 20,79 | 20,57 | 7,64 |
| | 9 | 7,54 | 21,25 | 21,18 | 7,52 |
| | 10 | 7,30 | 21,48 | 21,53 | 7,36 |
| | 11 | 6,88 | 21,56 | 21,69 | 6,96 |
| | 12 | 6,26 | 21,50 | 21,53 | 6,41 |
| | 14 | 4,14 | 20,78 | 20,93 | 4,51 |
| | 16 | 0,00 | 18,97 | 19,25 | 0,00 |

Escape route, 1Lux floor luminosity





| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GTD-1400X | 2 | 4,23 | 10,17 | 9,83 | 4,13 |
| GTD-1400X3 | 2,5 | 4,67 | 11,30 | 10,99 | 4,55 |
| | 3 | 5,02 | 12,28 | 11,98 | 4,90 |
| | 3,5 | 5,28 | 13,15 | 12,83 | 5,18 |
| | 4 | 5,49 | 13,91 | 13,55 | 5,40 |
| | 5 | 5,72 | 15,00 | 14,70 | 5,71 |
| | 6 | 5,77 | 15,74 | 15,55 | 5,80 |
| | 7 | 5,69 | 16,17 | 16,13 | 5,68 |
| | 8 | 5,36 | 16,32 | 16,41 | 5,46 |
| | 9 | 4,78 | 16,31 | 16,33 | 4,92 |
| | 10 | 3,82 | 16,04 | 16,05 | 4,14 |
| | 11 | 2,43 | 15,46 | 15,66 | 2,89 |
| | 12 | 0,00 | 14,45 | 14,74 | 0,00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) | | | | |
|------------|------------|------|-------|-------|------|
| GTD-1400X | 2 | 4,44 | 10,63 | 10,24 | 4,32 |
| GTD-1400X3 | 2,5 | 5,54 | 13,28 | 12,79 | 5,39 |
| | 3 | 6,14 | 14,79 | 14,30 | 5,96 |
| | 3,5 | 6,56 | 15,91 | 15,44 | 6,38 |
| | 4 | 6,93 | 16,92 | 16,45 | 6,75 |
| | 5 | 7,47 | 18,67 | 18,18 | 7,32 |
| | 6 | 7,83 | 20,06 | 19,56 | 7,74 |
| | 7 | 8,04 | 21,10 | 20,67 | 8,03 |
| | 8 | 8,13 | 21,90 | 21,57 | 8,17 |
| | 9 | 8,12 | 22,46 | 22,30 | 8,13 |
| | 10 | 7,99 | 22,83 | 22,80 | 8,00 |
| | 11 | 7,71 | 23,01 | 23,10 | 7,80 |
| | 12 | 7,22 | 23,05 | 23,17 | 7,31 |
| | 14 | 5,58 | 22,70 | 22,70 | 5,98 |
| | 16 | 2,28 | 21,46 | 21,74 | 2,96 |
| | 18 | 0,00 | 19,12 | 19,60 | 0,00 |

CONVERTERS





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| PTD-1700X | 2 | 4,71 | 11,85 | 9,65 | 4,06 |
| | 2,5 | 5,75 | 14,50 | 11,84 | 4,97 |
| | 3 | 6,12 | 15,43 | 12,97 | 5,42 |
| | 3,5 | 6,47 | 16,23 | 14,00 | 5,77 |
| | 4 | 6,77 | 16,94 | 14,92 | 6,05 |
| | 5 | 7,25 | 18,36 | 16,40 | 6,49 |
| | 6 | 7,54 | 19,52 | 17,47 | 6,79 |
| | 7 | 7,71 | 20,46 | 18,32 | 6,96 |
| | 8 | 7,75 | 21,10 | 18,96 | 7,08 |
| | 9 | 7,60 | 21,52 | 19,42 | 7,02 |
| | 10 | 7,36 | 21,82 | 19,72 | 6,78 |
| | 11 | 6,98 | 21,97 | 19,98 | 6,41 |
| | 12 | 6,39 | 21,76 | 20,08 | 5,97 |
| | 14 | 4,22 | 20,91 | 19,26 | 4,33 |
| 16 | 0,00 | 19,32 | 17,78 | 0,00 | |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| PTD-1700X | 2 | 4,44 | 10,63 | 10,24 | 4,32 |
| | 2,5 | 5,54 | 13,28 | 12,79 | 5,39 |
| | 3 | 6,14 | 14,79 | 14,30 | 5,96 |
| | 3,5 | 6,56 | 15,91 | 15,44 | 6,38 |
| | 4 | 6,93 | 16,92 | 16,45 | 6,75 |
| | 5 | 7,47 | 18,67 | 18,18 | 7,32 |
| | 6 | 7,83 | 20,06 | 19,56 | 7,74 |
| | 7 | 8,04 | 21,10 | 20,67 | 8,03 |
| | 8 | 8,13 | 21,90 | 21,57 | 8,17 |
| | 9 | 8,12 | 22,46 | 22,30 | 8,13 |
| | 10 | 7,99 | 22,83 | 22,80 | 8,00 |
| | 11 | 7,71 | 23,01 | 23,10 | 7,80 |
| | 12 | 7,22 | 23,05 | 23,17 | 7,31 |
| | 14 | 5,58 | 22,70 | 22,70 | 5,98 |
| 16 | 2,28 | 21,46 | 21,74 | 2,96 | |
| 18 | 0,00 | 19,12 | 19,60 | 0,00 | |





Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| GTD-1700X | 2 | 4,71 | 11,85 | 9,65 | 4,06 |
| | 2,5 | 5,87 | 14,78 | 12,01 | 5,05 |
| | 3 | 6,25 | 15,76 | 13,18 | 5,51 |
| | 3,5 | 6,60 | 16,59 | 14,23 | 5,89 |
| | 4 | 6,91 | 17,30 | 15,18 | 6,18 |
| | 5 | 7,42 | 18,76 | 16,74 | 6,64 |
| | 6 | 7,74 | 19,95 | 17,85 | 6,96 |
| | 7 | 7,93 | 20,94 | 18,74 | 7,15 |
| | 8 | 8,02 | 21,65 | 19,43 | 7,29 |
| | 9 | 7,91 | 22,12 | 19,94 | 7,30 |
| | 10 | 7,69 | 22,46 | 20,27 | 7,09 |
| | 11 | 7,36 | 22,66 | 20,56 | 6,77 |
| | 12 | 6,88 | 22,58 | 20,72 | 6,35 |
| | 14 | 4,95 | 21,84 | 20,14 | 5,15 |
| 16 | 0,00 | 20,46 | 18,79 | 0,00 | |





Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-----------|------------|---|---|---|---|
| GTD-1700X | 2 | 4,71 | 11,85 | 9,65 | 4,06 |
| | 2,5 | 5,87 | 14,78 | 12,01 | 5,05 |
| | 3 | 7,05 | 17,74 | 14,42 | 6,06 |
| | 3,5 | 8,22 | 20,70 | 16,82 | 7,07 |
| | 4 | 8,65 | 21,79 | 18,11 | 7,59 |
| | 5 | 9,38 | 23,52 | 20,23 | 8,35 |
| | 6 | 9,97 | 25,00 | 22,06 | 8,90 |
| | 7 | 10,44 | 26,43 | 23,55 | 9,36 |
| | 8 | 10,80 | 27,66 | 24,72 | 9,71 |
| | 9 | 11,04 | 28,74 | 25,70 | 9,97 |
| | 10 | 11,21 | 29,66 | 26,57 | 10,13 |
| | 11 | 11,31 | 30,39 | 27,29 | 10,27 |
| | 12 | 11,28 | 30,94 | 27,86 | 10,34 |
| | 14 | 10,92 | 31,70 | 28,63 | 10,03 |
| 16 | 10,23 | 32,06 | 29,16 | 9,39 | |
| 18 | 8,95 | 31,64 | 29,15 | 8,41 | |
| 20 | 6,75 | 30,79 | 28,31 | 6,97 | |
| 22 | 2,18 | 29,47 | 27,07 | 2,67 | |
| 24 | 0,00 | 27,48 | 25,39 | 0,00 | |

Escape route, 1Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-------------|------------|---|---|---|---|
| PTD-2700X | 2 | 4,60 | 11,40 | 9,30 | 3,89 |
| PTD-2700X3 | 2,5 | 5,75 | 14,24 | 11,60 | 4,86 |
| PTD-2700XP | 3 | 6,16 | 15,31 | 12,73 | 5,27 |
| PTD-2700XP3 | 3,5 | 6,51 | 16,23 | 13,68 | 5,65 |
| | 4 | 6,80 | 17,03 | 14,50 | 5,97 |
| | 5 | 7,21 | 18,47 | 16,02 | 6,45 |
| | 6 | 7,50 | 19,57 | 17,29 | 6,79 |
| | 7 | 7,67 | 20,36 | 18,20 | 7,02 |
| | 8 | 7,73 | 20,99 | 18,89 | 7,08 |
| | 9 | 7,69 | 21,43 | 19,48 | 7,03 |
| | 10 | 7,35 | 21,72 | 19,89 | 6,87 |
| | 11 | 6,92 | 21,85 | 20,03 | 6,57 |
| | 12 | 6,31 | 21,85 | 20,02 | 6,13 |
| | 14 | 3,97 | 20,93 | 19,51 | 4,46 |
| | 16 | 0,00 | 19,13 | 18,24 | 0,00 |

Open area, 0.5Lux floor luminosity





| Models | Height (m) |  |  |  |  |
|-------------|------------|---|---|---|---|
| PTD-2700X | 2 | 4,60 | 11,40 | 9,30 | 3,89 |
| PTD-2700X3 | 2,5 | 5,75 | 14,24 | 11,60 | 4,86 |
| PTD-2700XP | 3 | 6,90 | 17,08 | 13,91 | 5,82 |
| PTD-2700XP3 | 3,5 | 8,04 | 19,92 | 16,22 | 6,79 |
| | 4 | 8,51 | 21,14 | 17,46 | 7,25 |
| | 5 | 9,23 | 23,02 | 19,41 | 8,01 |
| | 6 | 9,78 | 24,63 | 21,03 | 8,64 |
| | 7 | 10,18 | 26,04 | 22,55 | 9,10 |
| | 8 | 10,49 | 27,22 | 23,88 | 9,44 |
| | 9 | 10,71 | 28,12 | 24,97 | 9,74 |
| | 10 | 10,86 | 28,86 | 25,82 | 9,94 |
| | 11 | 10,92 | 29,50 | 26,51 | 10,01 |
| | 12 | 10,92 | 30,02 | 27,16 | 10,01 |
| | 14 | 10,46 | 30,69 | 28,10 | 9,75 |
| | 16 | 9,56 | 30,93 | 28,35 | 9,11 |
| 18 | 8,02 | 30,78 | 28,15 | 8,04 | |
| 20 | 5,29 | 29,42 | 27,50 | 6,11 | |
| 22 | 0,00 | 27,68 | 26,28 | 0,00 | |

CONVERTERS

Escape route, 1Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------|------------|---|---|---|---|
| GTD-2700X | 2 | 4,60 | 11,40 | 9,30 | 3,89 |
| GTD-2700X3 | 2,5 | 5,75 | 14,24 | 11,60 | 4,86 |
| GTD-2700XP | 3 | 6,28 | 15,61 | 12,94 | 5,37 |
| GTD-2700XP3 | 3,5 | 6,65 | 16,56 | 13,92 | 5,75 |
| | 4 | 6,96 | 17,38 | 14,76 | 6,08 |
| | 5 | 7,39 | 18,87 | 16,31 | 6,60 |
| | 6 | 7,70 | 20,03 | 17,63 | 6,95 |
| | 7 | 7,89 | 20,87 | 18,61 | 7,21 |
| | 8 | 7,97 | 21,53 | 19,34 | 7,31 |
| | 9 | 7,97 | 22,02 | 19,97 | 7,29 |
| | 10 | 7,73 | 22,36 | 20,43 | 7,17 |
| | 11 | 7,30 | 22,54 | 20,66 | 6,91 |
| | 12 | 6,80 | 22,59 | 20,70 | 6,52 |
| | 14 | 4,79 | 21,99 | 20,33 | 5,04 |
| | 16 | 0,00 | 20,27 | 19,24 | 2,70 |
| | 18 | 0,00 | 16,00 | 17,30 | 0,00 |

Open area, 0.5Lux floor luminosity

| Models | Height (m) |  |  |  |  |
|-------------|------------|---|---|---|---|
| GTD-2700X | 2 | 4,60 | 11,40 | 9,30 | 3,89 |
| GTD-2700X3 | 2,5 | 5,75 | 14,24 | 11,60 | 4,86 |
| GTD-2700XP | 3 | 6,90 | 17,08 | 13,91 | 5,82 |
| GTD-2700XP3 | 3,5 | 8,04 | 19,92 | 16,22 | 6,79 |
| | 4 | 8,69 | 21,56 | 17,74 | 7,38 |
| | 5 | 9,43 | 23,49 | 19,75 | 8,15 |
| | 6 | 10,01 | 25,13 | 21,43 | 8,81 |
| | 7 | 10,43 | 26,59 | 22,96 | 9,30 |
| | 8 | 10,76 | 27,84 | 24,34 | 9,67 |
| | 9 | 11,01 | 28,79 | 25,51 | 9,98 |
| | 10 | 11,18 | 29,58 | 26,40 | 10,21 |
| | 11 | 11,27 | 30,26 | 27,15 | 10,33 |
| | 12 | 11,29 | 30,82 | 27,80 | 10,35 |
| | 14 | 10,99 | 31,58 | 28,84 | 10,16 |
| | 16 | 10,13 | 31,91 | 29,26 | 9,62 |
| | 18 | 8,84 | 31,88 | 29,18 | 8,71 |
| | 20 | 6,50 | 30,94 | 28,68 | 6,95 |
| | 22 | 1,86 | 29,23 | 27,64 | 4,73 |
| | 24 | 0,00 | 27,18 | 25,74 | 0,00 |

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RMA REQUEST PROCEDURE

Please read Section 1 and 2, the procedure for returning warranty and non-warranty products and the investigation fee are explained here. Following this RMA procedure will lead to faster repair of any equipment sent back to us.

Please fully complete Section 3 and return to rma@olympia-electronics.gr

Once the document has been received an RMA number can be issued.

NOTE

The RMA will not be issued until Section 3 of this form is completed and returned. Section 3 of this form is required for both Warranty and Non-Warranty products. Returned products are not received without the RMA form.

Section 1 - Warranty products

Warranty products will be handled under the standard Olympia Electronics export terms and conditions of your agreement.

1.1 Return process for Warranty products.
All products that do not face a malfunction, will be returned to buyer, with their next shipment and the transportation cost will be on their account.

1.2 Return process for Non-Warranty products.
Products that have exceeded their warranty period are not to be send to the company. In case they are send they are not going to be investigated nor returned to sender, they are going to be recycled.

Section 4 - Credit Note process

All Credit Notes will be issued for all the returned products upon their arrival at the Customs Office in GREECE. In case the returned products are not covered by Warranty, or the malfunction is buyer's (or installer's) responsibility, a relevant Debit Note will be issued.

Shipping instructions:

All goods should be shipped direct to our premises:
Olympia Electronics SA
72o Km ONR Thessaloniki- Katerini
Eginio - Pieria – Greece, P.O. 60300
Telephone : +302353051200
FAX: +302353051486
E-mail : rma@olympia-electronics.gr

Section 2 - Investigation fee

Olympia Electronics reserves the right within the RMA to charge an investigation fee. This fee covers investigation time and resource needed to identify any problems.

Section 3 RMA Form Request form for RMA number

| | | | |
|---------------------------------|---------------------|--------------------------------|-------|
| Date | _____ | Customer Return Address | _____ |
| Customer Name | _____ | | _____ |
| Customer Contact Details | _____ | | _____ |
| Tel.: _____ | email: _____ | | _____ |

| | | |
|----------------------------|--|------------------------------------|
| Warranty (Yes / No) | Investigation Fee Accepted (Yes / No) | Purchase Order number _____ |
|----------------------------|--|------------------------------------|

| Line | Product | Article No | Production date (LOT no.) | Fault Description |
|------|---------|------------|---------------------------|-------------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

EXPORT TERMS OF SALES

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 1500,00 then the buyer is charged EURO 75,00 fixed custom expenses cost. Moreover, for orders below the amount of EURO 300,00, the customer is charged EURO 50,00 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.

Δ. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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 defection. Olympia Electronics reserves the right to charge or not the buyer the transportation cost.

9. 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.

*All prices are NET F.C.A. THESSALONIKI.