www.olympia-electronics.com

Olympia Electronics SA is the leading company in the Greek security systems industry.
The company is active since 1979 in the development of innovative security systems using state-of-the-art technology.

-our goal-
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, Lloyd's Register H.E.E.Q.A.C, 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 14001.

Export sales network

Exports in 72 countries

- European Union (55% of our exports)
- Eastern European countries & Russia
- Middle East & Gulf countries
- Africa
- America

Indicative projects

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

MISCELLANEOUS INSTALLATIONS
Hushagsgymnasiet school / Sweden
Sportsarena Anglagarden / Sweden
Happel Stadium / Wien , Austria
Frescati university library / Sweden
Schwerin metro / Germany
Better Life Appliances for Cayan Tower/ Dubai
Luxembourg science center / Luxembourg
132/33kv Kadrah Grid Station
Desert Night Camp
33kv Tumrait Sub Station
33kv SOHAR Sub Station
Modern Steel
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

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

HOTELS
Asplund Hotel / Sweden
Movenpick / Petra, Jordan
Hilton, Athens / Greece
Le Royal Hotel / Dbayeh, Lebanon
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

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

RESIDENTIAL APARTMENTS
Wien, Austria /
  Raffaelgasse 27 1200
  Satzingerweg 64 1210
  Breitenfuhrterstrasse 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

Emergency Lighting

European Regulations
EN 1838

- The emergency lighting should be power supplied by a back up source. For escape routes up to 2m in width, the horizontal luminance on the floor along the centre line of an escape route shall be not less than 1 lx.

- The horizontal luminance in open areas shall not be less than 0.5lx at the floor level of the empty core area which excludes a border of 0.5m of the perimeter of the area.

- The autonomy of emergency lighting system must be more than one hour. In some countries the regulations require at least 3 hours autonomy.

- When a mains power failure exists, the emergency lighting shall reach 50% of the required luminance level within 5sec and full required luminance within 60sec.

For example: In a corridor with a length of 20 meters we must install and indication sign with a height of at least 10cm at one end in order for it to be clearly visible in the other end.
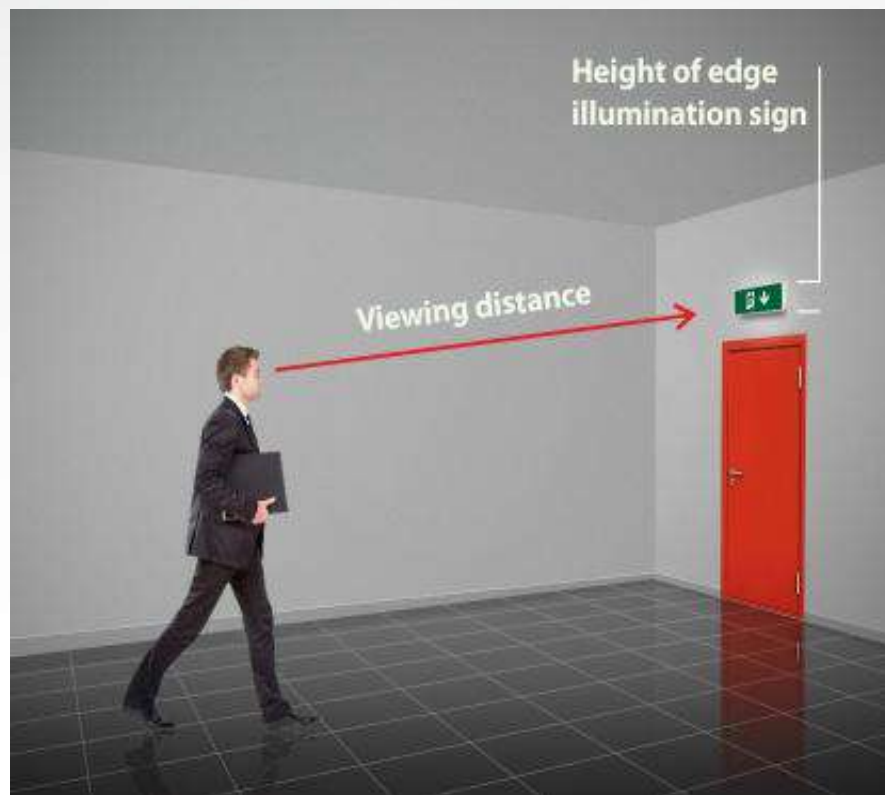
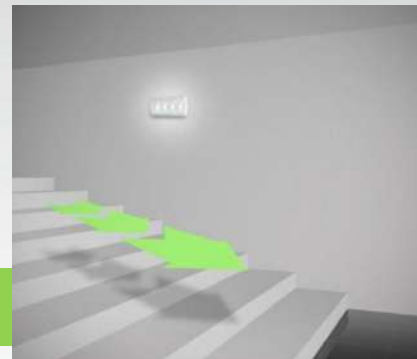**Types of signs according to ISO 7010**

Near corridor crossings.

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

Near Hazard exits.

In stairwells to supply sufficient illumination to each step.

Near each floor level variation.

Near every call point.

Externally or near every final exit.

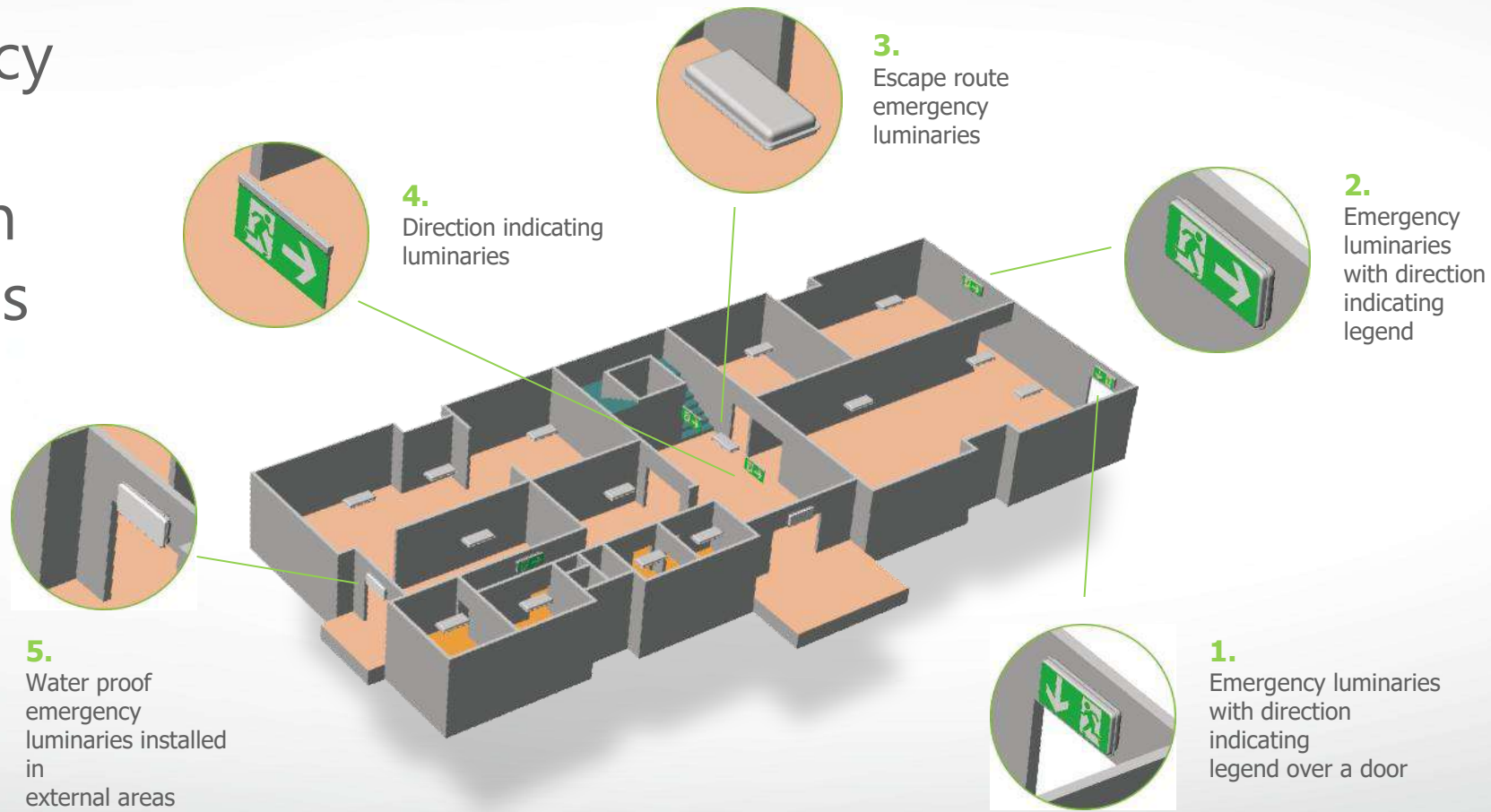Near fire-extinguishing gear (e.i. Fire hoses).


Near first aid stations.

By the term "Near" we mean a maximum of 2m in a horizontal direction from the mentioned point. These points must contain luminaries with suitable indication and marking legends.

Emergency Lighting General guides

Example of installation of emergency and indication luminaries

3.
Escape route emergency luminaries

4.
Direction indicating luminaries

2.
Emergency luminaries with direction indicating legend

5.
Water proof emergency luminaries installed in external areas

1.
Emergency luminaries with direction indicating legend over a door

Emergency Lighting General guides

olympia electronics
SAFETY & SECURITY SYSTEMS
for a safer world

Function

The first categorization of luminaries is based on their function and we have maintained luminaries and non maintained luminaries. Maintained luminaries are the exit sign emergency luminaries that are always powered on, whether they are powered by mains power or by the emergency battery. Non-maintained luminaries are activated during a power shortage in order to achieve the necessary illumination levels on exit routes and open areas.

M MAINTAINED   **NM** NON MAINTAINED
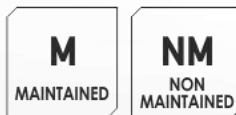
Backup power source

The second major categorization of emergency luminaries is based on their back up source and we have self contained luminaries with internal batteries and **CBS luminaries that are powered by a Central Battery System**.

SC SELF CONTAINED   **CBS**

Control method

The third categorization of luminaries is based on their testing method and we have manual-test, self testing, addressable and wireless luminaries.

TB TEST BUTTON   **ST** SELF TESTING   **ADR** ADDRESSABLE   **WIRELESS**

Standards and Regulations

All autonomous emergency luminaries must be manufactured in accordance to European Norms EN 60598-1 and EN 60598-2-22.

Some specific characteristics that every emergency luminary must satisfy:

■ To have a test button for testing its operation.

■ To have a green colored indicator LED.

■ To not have any switch that can switch off the emergency luminary

The stickers of emergency luminaries must mention (in accordance to ANNEX B of EN 60598-2-22) and include the attached table

▶ The type of the luminary (self-contained or CBS)

▶ The operation of the luminary (maintained – non-maintained)

▶ The autonomy of the luminary (>1 hour)

▶ Operation characteristics (Voltage, Frequency, Consumption)

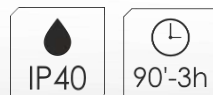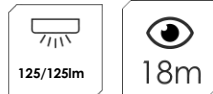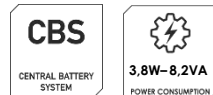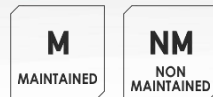▶ Technical characteristics of the luminary (test button, self-testing, inhibit mode etc)

*	*	******	***

Slim Leds Light
GR-2000

Specifications

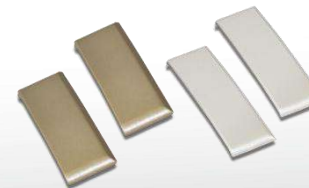|	
M MAINTAINED	**NM** NON MAINTAINED
ST SELF TESTING	**SC** SELF CONTAINED
CBS CENTRAL BATTERY SYSTEM	**3,8W–8,2VA** POWER CONSUMPTION
125/125lm	18m
IP40	90'-3h

IRT200
remote control

A-2000
Set left-right decorative covers of GR-2000(white & bronze color)

Dimensions in mm

270mm

25mm

100mm

FN' SERVISS

olympia electronics
SAFETY & SECURITY SYSTEMS
for a safer world!

Slim Leds Light
GR-2100

Wooden Base - Cherry, Natural Cherry & Walnut

Specifications

M MAINTAINED	**ST** SELF TESTING
SC SELF CONTAINED	WIRELESS
ADR ADDRESSABLE	IP30
22m	125/125lm
	90'-3h

Dimensions in mm

120mm 111mm
300mm 292mm
55,5mm 54mm

FN' SERVISS | olympia electronics SAFETY & SECURITY SYSTEMS
for a safer world
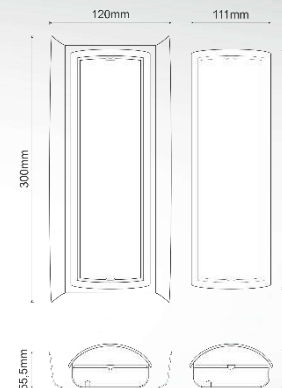
Slim Light
GR-8/leds, GR-9/leds

Specifications

M MAINTAINED	**NM** NON MAINTAINED
SC SELF CONTAINED	IP42
90'-3h	15m
100lm	CNBOP-PIB
3VA –3,5VA POWER CONSUMPTION	

Accessories
A-3008 Base for recessed mounting on suspended ceiling (A-3018 suspended ceiling mounting springs are included)

Dimensions in mm

240mm 44mm 90mm

Easy Light
GR-3xx & GR-13xx

Series 3xx

Series 13xx

Specifications

M MAINTAINED	**NM** NON MAINTAINED	**100-480lm**
SC SELF CONTAINED	**ST** SELF TESTING	
CBS CENTRAL BATTERY SYSTEM	90'-3h	
26m	IP40	
CNBOP-PIB	bsi Emergency Lighting KITEMARK	
3,2VA – 6,5VA POWER CONSUMPTION		

Accessories
SP-116
Double sided PVC 6mm
or Plexiglass 4mm
marking panel

Mounting springs

Dimensions in mm

353mm 57mm

143mm

353mm 57mm

143mm
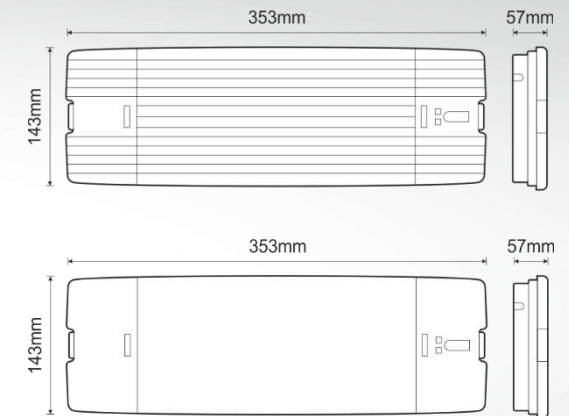
Weather Light
GR-9xx & GR-19xx

Series 9xx

Series 19xx

Specifications

M MAINTAINED	**NM** NON MAINTAINED	100-300lm
ST SELF TESTING	**CBS** CENTRAL BATTERY SYSTEM	
IK10	**ADR** ADDRESSABLE	
IP65	**16m**	
90'-3h	**SC** SELF CONTAINED	
	3VA – 7,5VA POWER CONSUMPTION	

Accessories
SP-116
Double sided PVC 6mm
or Plexiglass 4mm
marking panel

Mounting springs

Dimensions in mm

363mm
73mm
145mm

313mm
66mm
118mm
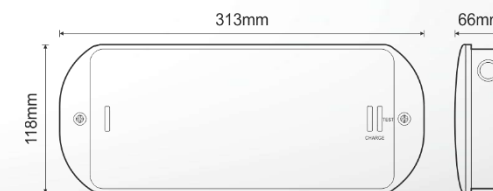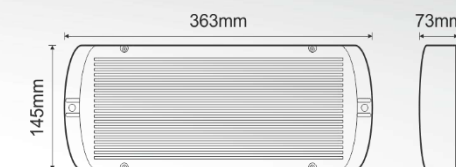
Weather Light
Supercapacitor

NEW

innovation **without** batteries

10 years guarantee

- 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 0.92

- 100.000 hours LED lifetime

- Photoluminescent sign.

- Operation temperature range -40°C to +65 °C

FN' SERVISS | e olympia electronics SAFETY & SECURITY SYSTEMS

for a safer world

Skyline LED

NEW

SLL-10xx & SLL-50x

Specifications

M MAINTAINED	**NM** NON MAINTAINED
LifePO₄	LiTi ❄	**BATTERY 10 YEARS SERVICE LIFE**
ST SELF TESTING	**SC** SELF CONTAINED	**CBS** CENTRAL BATTERY SYSTEM
WIRELESS	**ADR** ADDRESSABLE	**DALI**
500/1000lm	8,2W/15,2VA POWER CONSUMPTION	90'-3h
IP65	IP40	

Mounting methods

Surface ceiling mounting

Recessed ceiling mounting

Surface wall mounting

Recessed ceiling mounting with emergency sign

Ceiling mounting with emergency sign

Accessories
Recessed mounting base for PVC double sided acrylic marking panel 6mm

Dimensions in mm

162mm
322mm
58mm

FN' SERVISS | olympia electronics SAFETY & SECURITY SYSTEMS *for a safer world!*

Olympus LED
OLY-500 & OLY-10xx

NEW

Specifications

M MAINTAINED	**NM** NON MAINTAINED
LifePO₄	LiTi ❄	**!** SUPER CAPACITOR	BATTERY **10 YEARS** SERVICE LIFE
ST SELF TESTING	**SC** SELF CONTAINED	**CBS** CENTRAL BATTERY SYSTEM
📶 WIRELESS	**ADR** ADDRESSABLE	**DALI**
30-380lm	🕐 1h/3h/8h
💧 IP65	💧 IP40		👁 24m

Mounting methods

Surface ceiling mounting

Surface wall mounting

Ceiling mounting with emergency sign

Accessories
- Suspended ceiling mounting springs
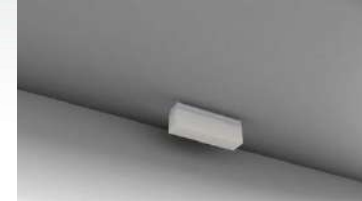- Double sided plexiglass 6mm marking panel down direction

Dimensions in mm

48mm

147mm

270mm

Bau Light
GR-75x

NEW
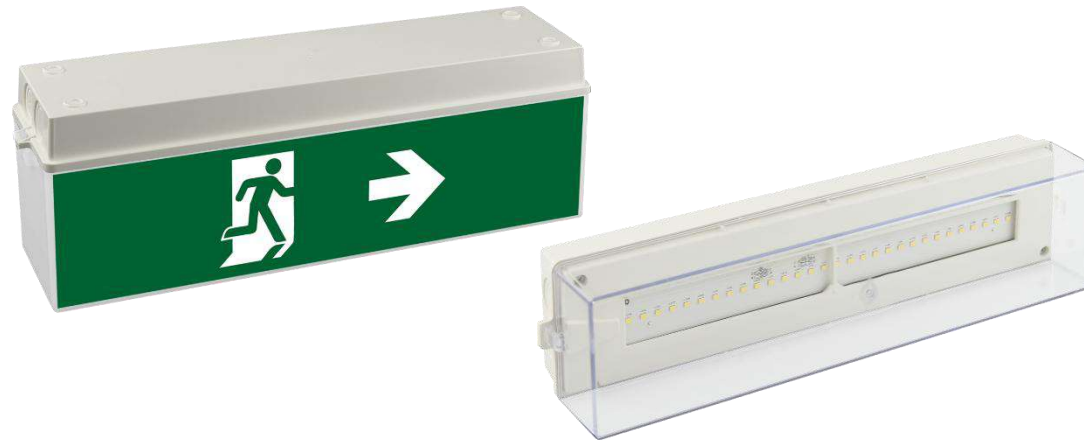
Specifications

M MAINTAINED	**NM** NON MAINTAINED	**30-300lm**
ST SELF TESTING	**SC** SELF CONTAINED	**CBS** CENTRAL BATTERY SYSTEM
WIRELESS	**ADR** ADDRESSABLE	**DALI**
IP54	1h/3h/8h	**150-300lm**
	15m	17m

Mounting methods

Dimensions in mm

LP
358mm · 85mm · 88mm

HP
358mm · 88mm · 125mm

Spot Light
GR-29x & GR-27x

Specifications

NM NON MAINTAINED	**ST** SELF TESTING	**CBS** CENTRAL BATTERY SYSTEM	**SC** SELF CONTAINED
LifePO₄	**!** SUPER CAPACITOR	CNBOP-PIB	bsi. Emergency Lighting KITEMARK
ADR ADDRESSABLE	WIRELESS	DALI	
IP20	IP40	IP65	
2,7 – 7,3VA POWER CONSUMPTION	120-350lm		
IK08	90'-3h		
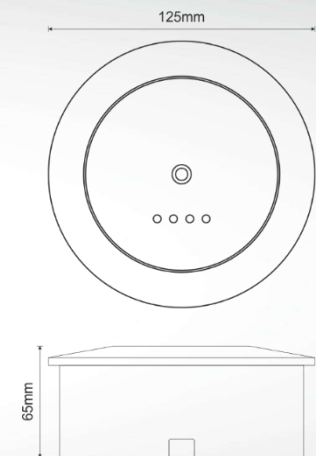
10 YEARS BATTERY SERVICE LIFE

Dimensions in mm

125mm

65mm

Tetragono Light

NEW

GR-49x & GR-47x

Specifications

NM NON MAINTAINED	**ST** SELF TESTING
CBS CENTRAL BATTERY SYSTEM	**SC** SELF CONTAINED
LifePO₄	BATTERY **10** YEARS SERVICE LIFE
ADR ADDRESSABLE	**WIRELESS** — **DALI**
IP65	**IP42**
90'-3h	80-280lm

Dimensions in mm

158mm — 60,4mm

195mm — 195mm

FN' SERVISS | olympia electronics — SAFETY & SECURITY SYSTEMS — for a safer world!
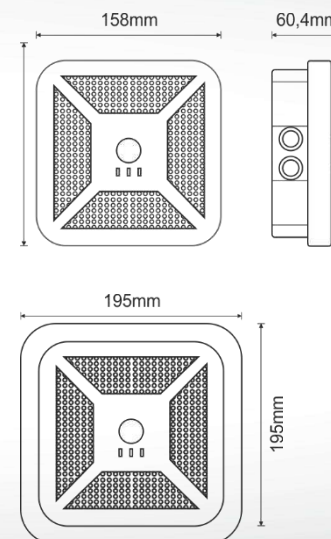
Eco Light
MLD/DLD

Specifications

M MAINTAINED	**NM** NON MAINTAINED
SC SELF CONTAINED	**CBS** CENTRAL BATTERY SYSTEM

CNBOP-PIB

bsi. Emergency Lighting KITEMARK

16m	30m
38m	3h
IP40	18-85lm
7,5 - 8VA POWER CONSUMPTION	

A-1020/PL & A-1018

Dimensions in mm

465mm   25mm
275mm

365mm   25mm
225mm

305mm   25mm
155mm

FN' SERVISS | olympia electronics SAFETY & SECURITY SYSTEMS for a safer world!

Lounge Light
SLD-xx

Specifications

M MAINTAINED	**SC** SELF CONTAINED	16m
ST SELF TESTING	**ADR** ADDRESSABLE	30m
WIRELESS	**CBS** CENTRAL BATTERY SYSTEM	38m
IP30	3h	
100-125lm	4,3 – 4,7VA POWER CONSUMPTION	

Accessories
A-3018 mounting springs

Dimensions in mm

340mm
65mm
190mm

289mm
65mm
120mm

440mm
65mm
240mm

34mm
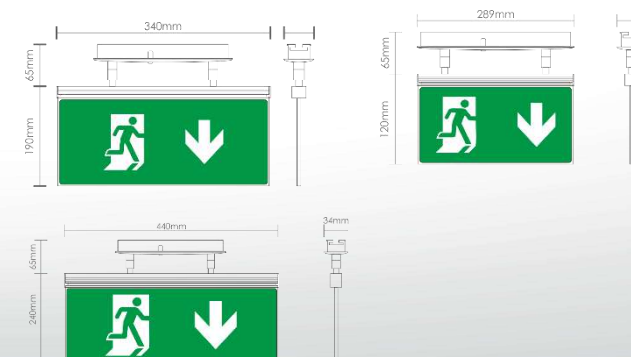
Eco Light
PLD-25

Specifications

M MAINTAINED	**NM** NON MAINTAINED	**SC** SELF CONTAINED
ADR ADDRESSABLE	WIRELESS	IK09
CBS CENTRAL BATTERY SYSTEM	**ST** SELF TESTING	**!** SUPER CAPACITOR
26m	1h-3h	
IP44	18-85lm	
7,5 - 8VA POWER CONSUMPTION		

Accessories

A-2510/PL/ST/M - Recess mounting base for self-testing

A-2510/PL - Recess mounting base

A-2133 - Accessory for vertical wall mounting (white)

Dimensions in mm

280mm

49mm

209mm

FN' SERVISS | olympia electronics
SAFETY & SECURITY SYSTEMS
for a safer world!

ECO LIGHT
KLR & KLD SERIES

NEW

Anthracite color

Specifications

M MAINTAINED	**ST** SELF TESTING	**BATTERY 10 YEARS** SERVICE LIFE
CBS CENTRAL BATTERY SYSTEM	**SC** SELF CONTAINED	LifePO₄
WIRELESS	**ADR** ADDRESSABLE	**DALI**
75lm	3,4W/4VA POWER CONSUMPTION	
IP54	3h	
20m	22m	30m

Mounting methods
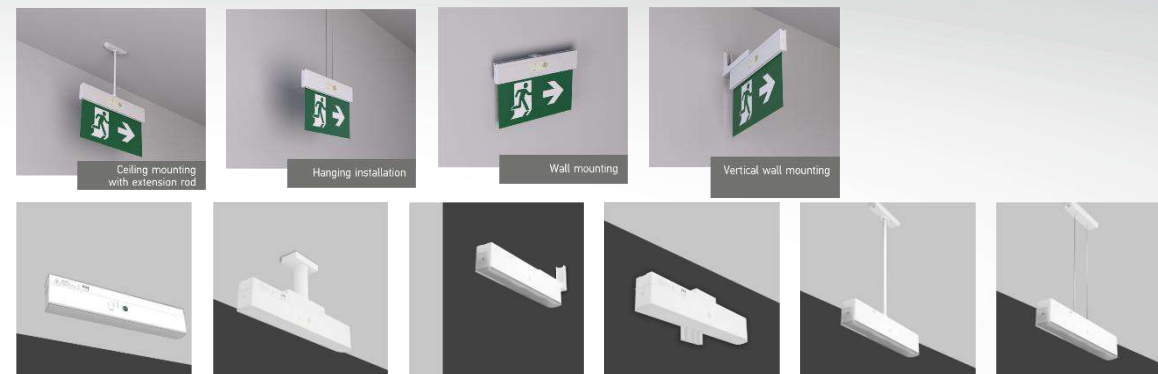
Ceiling mounting with extension rod

Hanging installation

Wall mounting

Vertical wall mounting

Dimensions in mm

254

170

240

185

310

216

265

69

30

FN' SERVISS
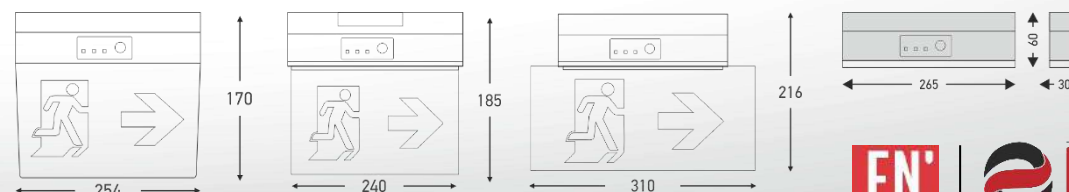
olympia electronics
SAFETY & SECURITY SYSTEMS
for a safer world!

Eco Light
CLD-30

Specifications

|		
M MAINTAINED	**SC** SELF CONTAINED	
ST SELF TESTING	**ADR** ADDRESSABLE	👁 30m
📶 WIRELESS	**CBS** CENTRAL BATTERY SYSTEM	
💧 IP40	🕐 3h	
95-125lm	⚙ 3 – 3,7VA POWER CONSUMPTION	
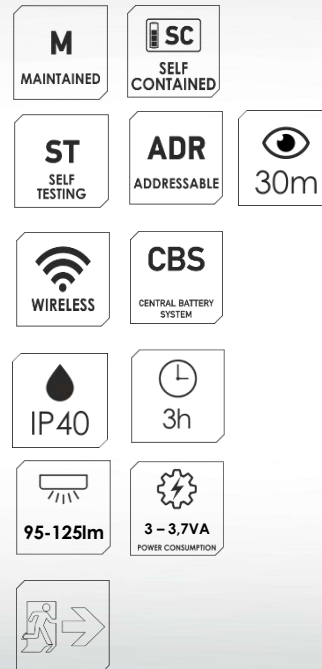
Dimensions in mm

310mm · 51mm · 240mm

LED safety measures marking panel
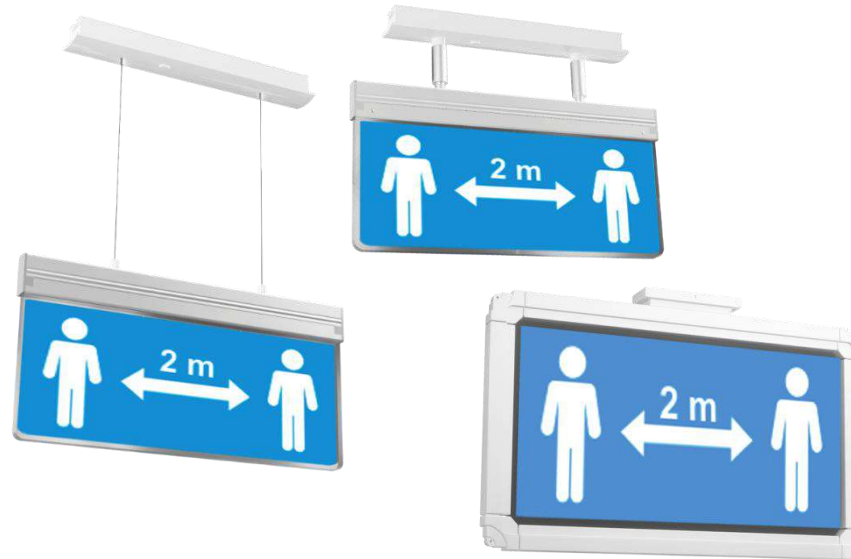
- ✓ Easy installation & mounting
- ✓ With different markings to meet all the needs that have been created due to the Covid19
- ✓ IP classification IP30
- ✓ Autonomous duration 1,5 - 3 hours
- ✓ Infrastructure communications capability Wireless, Addressable, DALI
- ✓ Available models for CBS systems

Specifications

IP30 | 230V

ADR ADDRESSABLE | WIRELESS

CBS CENTRAL BATTERY SYSTEM | DALI

125lm | 42m | 38m
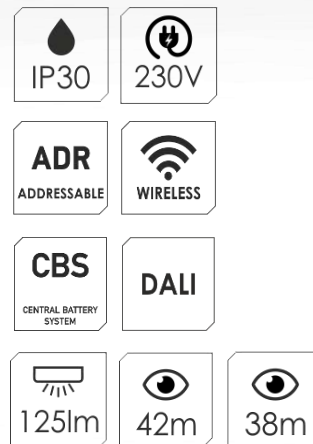
Accessories & mounting methods

A-2130 Set of accessories (1m) for ceiling mounting (white)
A-2131 Set of accessories (0,5m) for ceiling mounting (white)
A-2132 Set of accessories (0,25m) for ceiling mounting (white)
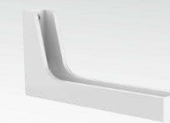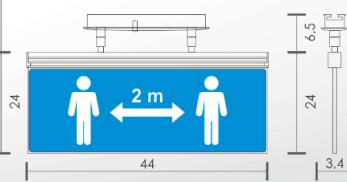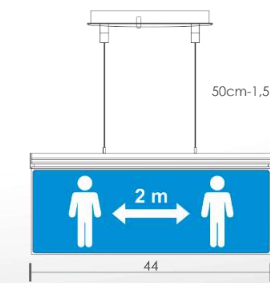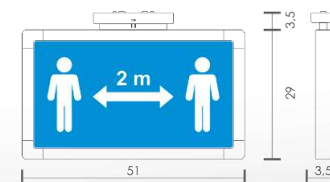
A-2133 Accessory for vertical wall mounting (white)

A-2137 Accessory for hanging ceiling mounting (white)

A-2134 **Accessory for wall mounting (white)**

Dimensions in cm

3,5 | 29 | 51 | 3,5

50cm-1,5m | 24 | 44

6,5 | 24 | 44 | 3,4

Pictograms

1,5 m | 2 m

Led Light Box
LLB series

Specifications

M MAINTAINED	**ST** SELF TESTING
CBS CENTRAL BATTERY SYSTEM	**SC** SELF CONTAINED
90'-3h	IP44
26m	40m	64m
6,5-10,5VA POWER CONSUMPTION	123-500lm

Accessories

A-1130,A-1131,A-1132

A-1135

A-1133

A-1136

Dimensions in mm

435mm 55mm 673mm 55mm

280mm 400mm

287mm 55mm
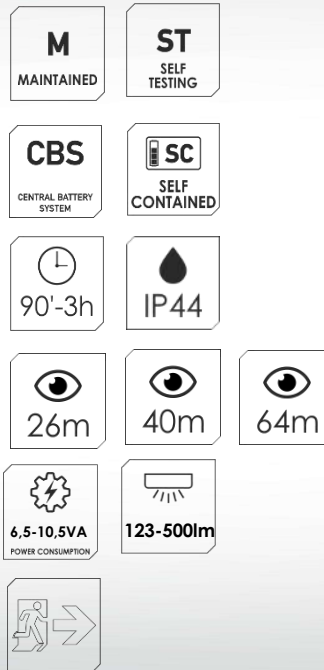
205mm
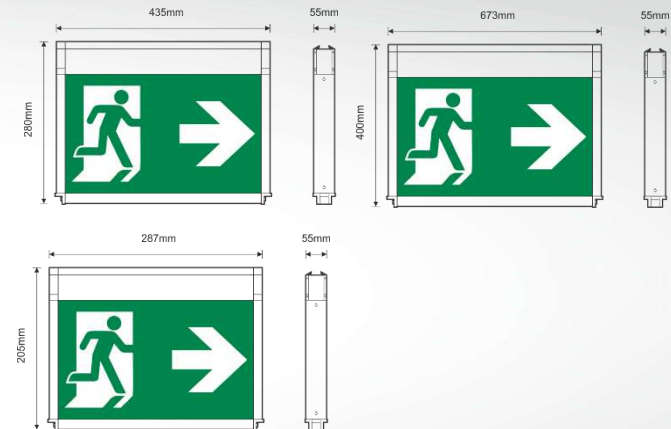
3D Light
GR-415/1PL

Specifications

M MAINTAINED	**ST** SELF TESTING
CBS CENTRAL BATTERY SYSTEM	**SC** SELF CONTAINED **DALI**
90'-3h	IP40
50m	
11-14VA POWER CONSUMPTION	460lm

Accessories & mounting methods
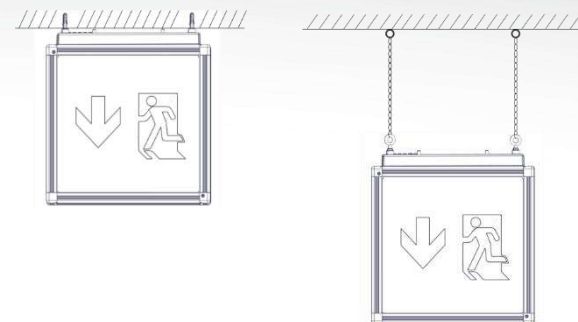
Ceiling

Hanging
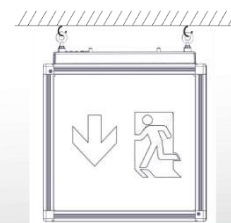
Hanging with hooks

Dimensions in mm

310mm   310mm   320mm
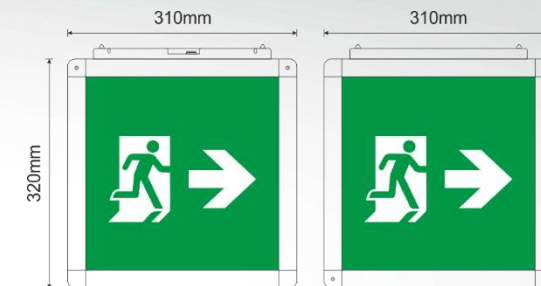
Tunnel light
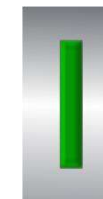
Emergency sign and escape route light powered and controlled by Central Battery System

GR-579

GR-577 & 578

Specifications

M MAINTAINED	**ST** SELF TESTING
CBS CENTRAL BATTERY SYSTEM	**SC** SELF CONTAINED
IP65	IP66
90'-3h	
60m	78m
80m	110m

Mounting methods
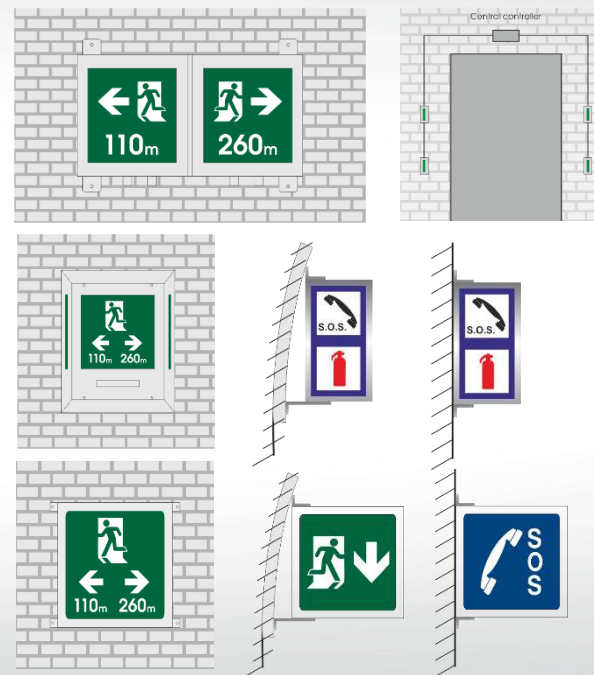
Dimensions in mm

FN' SERVISS | olympia electronics SAFETY & SECURITY SYSTEMS — for a safer world!

Power Light
GR-3x & GR-2x

bsi.
Emergency
Lighting
KITEMARK

KM640081
BS EN 60598-2-22
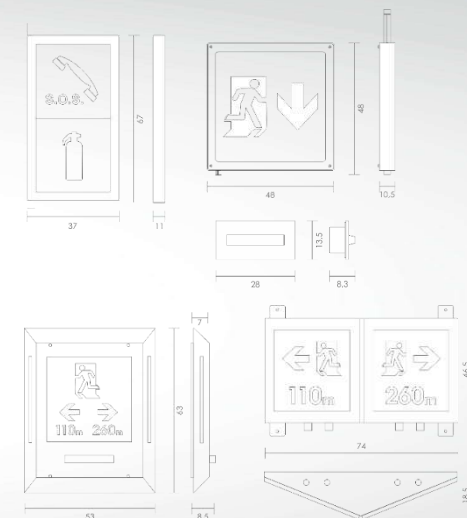
Specifications

NM NON MAINTAINED	**ST** SELF TESTING
SC SELF CONTAINED	**710-3200lm**
CBS CENTRAL BATTERY SYSTEM	**ADR** ADDRESSABLE
WIRELESS	**DALI**
IP65	**IP42**
IK10	

Accessories & mounting methods

Wall mounting

Dimensions in mm

300   97
330

325   97
395

302   103
330

400   140
500

FN' SERVISS

olympia electronics
SAFETY & SECURITY SYSTEMS
for a safer world!
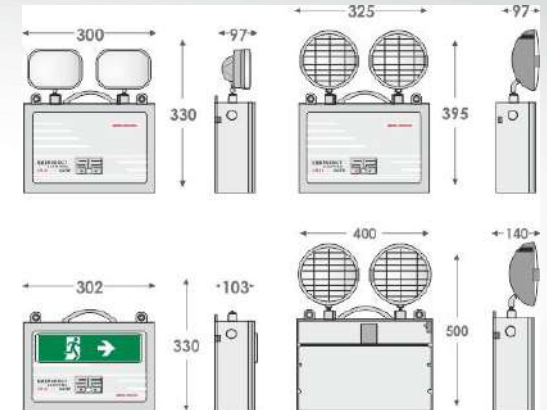
Antiexplosive Type
PTDxxxx & GTDxxxx

Ex db IIC T6 Gb
Ex tb IIIC T85 Db

Specifications

NM — NON MAINTAINED

M — MAINTAINED

ST — SELF TESTING

SC — SELF CONTAINED

CBS — CENTRAL BATTERY SYSTEM

IK05

IK07

90'-3h

IP66

2,9 – 4,4VA POWER CONSUMPTION

80-280lm

Accessories & mounting methods

A-FSA - mounting base

NPT34 - Sealing grommet

Converters

For fluorescent lamps
GR-1004/xx

IP20

Dimensions in mm

GR-1004

296 · 32 · 21
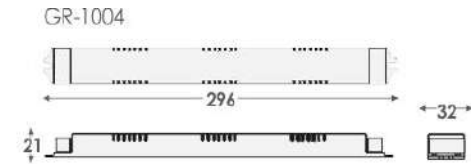
Type	Battery	6W (T5)	8W (T5)	11W (CFL)	13W (CFL)	14W (T5)	18W (CFL)	21W (T5)	24W (T5)	24W (CFL)	28W (T5)	32W (CIRC)	32W (CFL)	35W (T5)	36W (T8)	36W (CFL)	49W (T5)	54W (T5)	55W (CFL)	58W (T8)	80W (T5)	Duration
GR-1004-A/61	4,8V - 1,5Ah	●	●	●	●	●	●	●	●	●												90'
GR-1004-B/62	4,8V - 3Ah	●	●	●	●	●	●	●	●	●												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

Converters
For LED luminaires
GR-1107

IP20

bsi. Emergency Lighting KITEMARK™
KM64088
BS EN 61347-2-7

*

Dimensions in mm

31
171
41
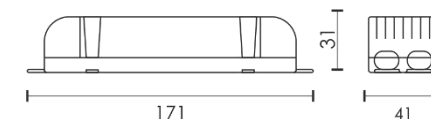
GR-1107/60V *
common LED luminaire to emergency LED luminaire converter 4,8V 1,5Ah/3Ah
(LED volt output 12-58V DC / batteries are not included)

GR-1107/100V
common LED luminaire to emergency LED luminaire converter 4,8V 1,5Ah/3Ah
(LED volt output 50-100V DC / batteries are not included)

Addressable lighting system

KM640086
BS EN 62034

Addressable luminaries control panel GR-6500

Suitable for

Large areas
Facilities such as malls, hotels, hospitals, airports.

- Up to 150 luminaries per loop
- Up to 250 luminaries per panel
- Inhibit mode for all luminaries
- 16 zones
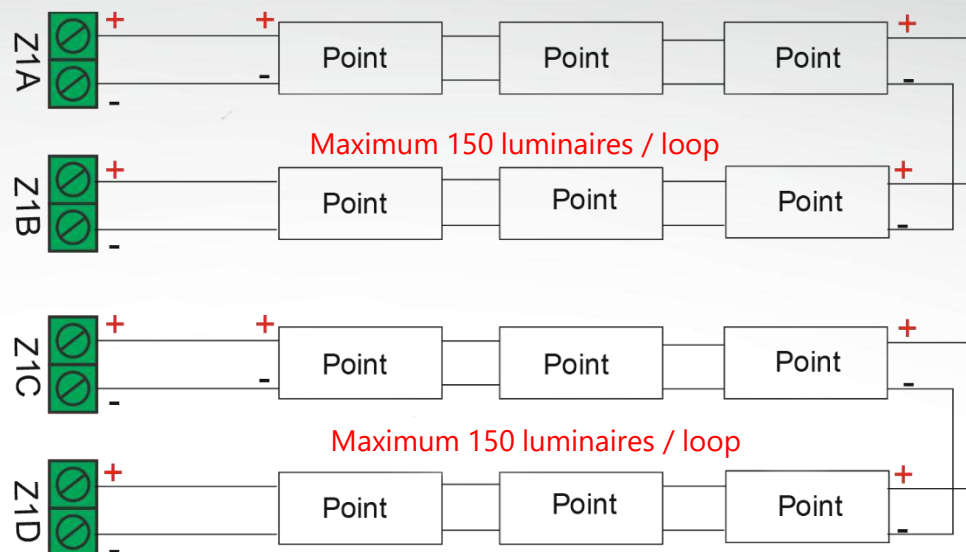- Panel configuration also possible via Ethernet and web browser (Internet Explorer, Mozilla Firefox, Chrome)

Connection with Olympia gateway

luminary 1   luminary 2   luminary 250

luminary 1   luminary 2   luminary 250

HUB
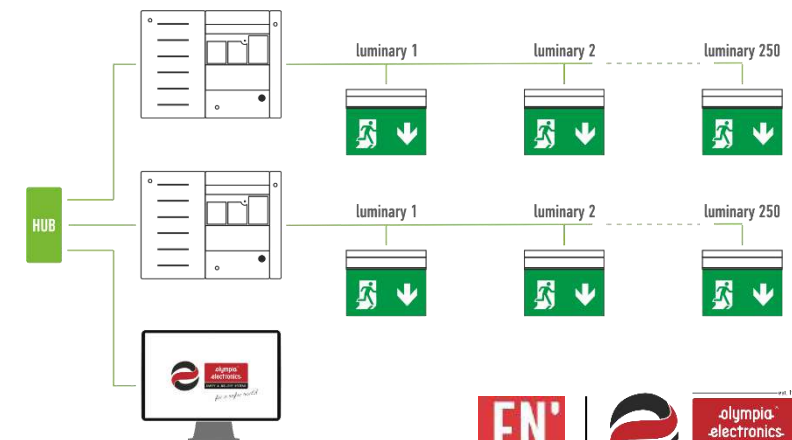
Addressable lighting system

Loop topology

Maximum 150 luminaires / loop

Maximum 150 luminaires / loop

Up to 250 luminaires

Addressable lighting system

Line topology

Maximum 75 luminaires / line

Up to 250 luminaires

Maximum 75 luminaires / line

Z1A   Z1B   Z1C   Z1D

Point   Point   Point

Addressable lighting system

Cross Section Calculation table

The minimum cross section is dependable on the cable length and the current consumption of the loop.
Maximum cable length 2 Km.

LUMINAIRES	Cable length				
	200m	500m	1000m	1500m	2000m
50	0.75 mm^2	1 mm^2	1 mm^2	1.5 mm^2	2.5 mm^2
100	1mm^2	1 mm^2	1.5 mm^2	1.5 mm^2	2.5 mm^2
150	1.5 mm^2	1.5 mm^2	2.5 mm^2	2.5 mm^2	2.5 mm^2

Addressable luminaries control panel

AVAILABLE IN 2021

Addressable luminaries control panel GR-7500

Basic application features

- Modern, simple and convenient Graphic User Interface with 7" color capacitive touch screen.
- "Cloud" connectivity for event log uploading, upload/download of configuration files, remote secure firmware update as well as e-mail notifications.
- 4 Loops, up to 250 points per Loop, 1000 points in total.
- Backwards compatible with addressable luminaries of GR-6500 panel.
- 200 logic zones.
- 64 panels network based on RS-485 serial communication protocol using isolated ring, short-circuit protection, rerouting of panel communication in case of broken cable as well autoaddressing of the network panels.
- 3 BMS relays Fault/Supply/Operation, 1 programmable AUX relay, two voltage outputs, two bipolar voltage outputs and 4 analog voltage inputs.
- RS-485 expansion port for future use.
- 7000 events log.
- System time remains accurate even after power loss for at least a week, for keeping automated test always on schedule.
- PC software.

Wireless emergency lighting monitoring

General information

- Most of our self-contained / self-testing emergency luminaire series support wireless emergency lighting

- Self-contained functionality always remains fully operational even when the wireless communication is down

- The remote monitor and control of the system can be performed via a PC software application

Wireless emergency lighting Features

Real-time monitoring for:
- Current faults (battery, lamp, duration, connection)
- Electrical values (battery voltage, charge and lamp current, signal level)
- Luminaire model, duration, firmware version

Emergency lighting commands
- Function (lamp) and duration (battery) tests
- Reset faults
- Identification

Dimming level - brightness control (for maintained only)

Wireless emergency lighting monitoring

GR-7610/V2 i-OLEG

The GR-7610 i-OLEG is the control and monitoring device of the wireless network. Communicates with wireless devices through a Gateway (not included). The GR-7600 monitoring software is pre-installed.

GR-7603/V2 Ethernet /WiFi Gateway

This device is a master of the wireless network. It transfers the received commands that are given via monitoring software to the wireless emergency luminaries.
Also sends received reports (statuses) from wireless network back to monitoring software (via Ethernet port). Only one Gateway can exist in a wireless network. Recommended to be installed to a central point of the entire wireless installation. Supports up to 200 wireless devices.

GR-7604/V2 Network extender

This device is a signal repeater of the wireless network. It re-transmits the received data from a point to the next in line, to, or from the Gateway. (The signal repeating process is also known as "hop", and it is performed both by wireless luminaries and Network Extenders.) Use a Network Extender in order to expand the signal range, where the use of the luminary is not necessary.

GR-7606/V2 In/Out Wireless Unit
GR-7607/V2 USB Gateway

GR-7605/V2 RSSI Tester / USB Gateway

This handheld device has 4 operating modes. As RSSI Tester, it is used during installation of the wireless network. It displays the received signal strength at a luminary, or a Network Extender. Equipped with a rechargeable Ni-MH battery. Charges via USB connection. As an installation tool, can be used to configure single devices that are installed later in an existing wireless network installation. As a Spectrum Analyzer, can be used as an analog wireless transmission scanner, to check available channels for use. Can also be used as a USB Gateway, if connected to a PC running GR-7600 software.

- RSSI meter
- Installation tool
- USB admin
- Spectrum Analyzer

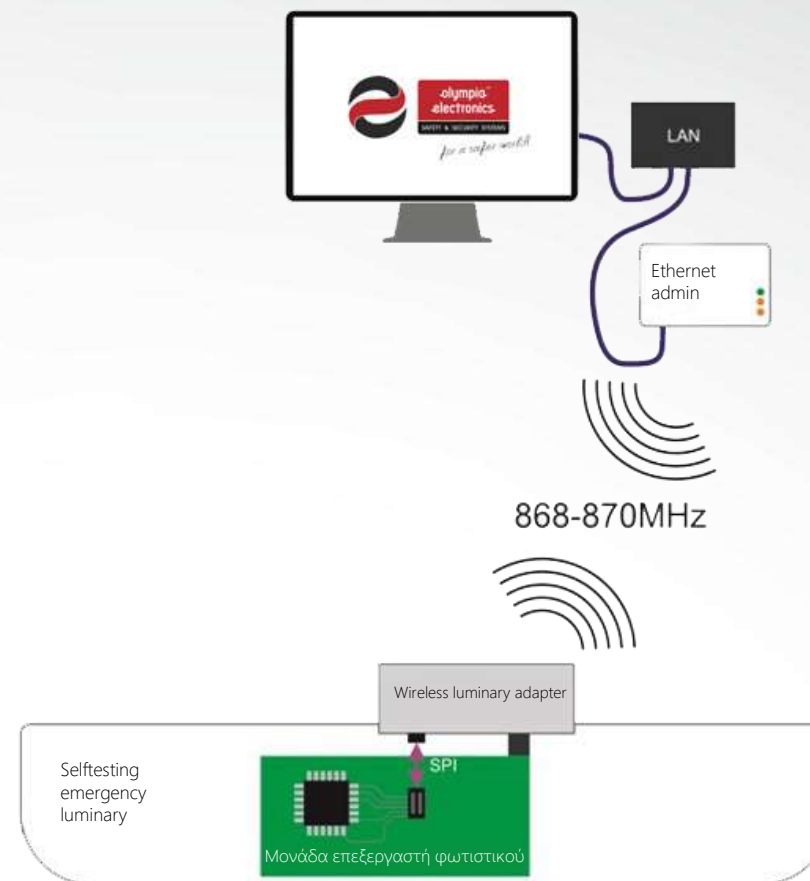# Wireless emergency lighting monitoring

Installation diagram
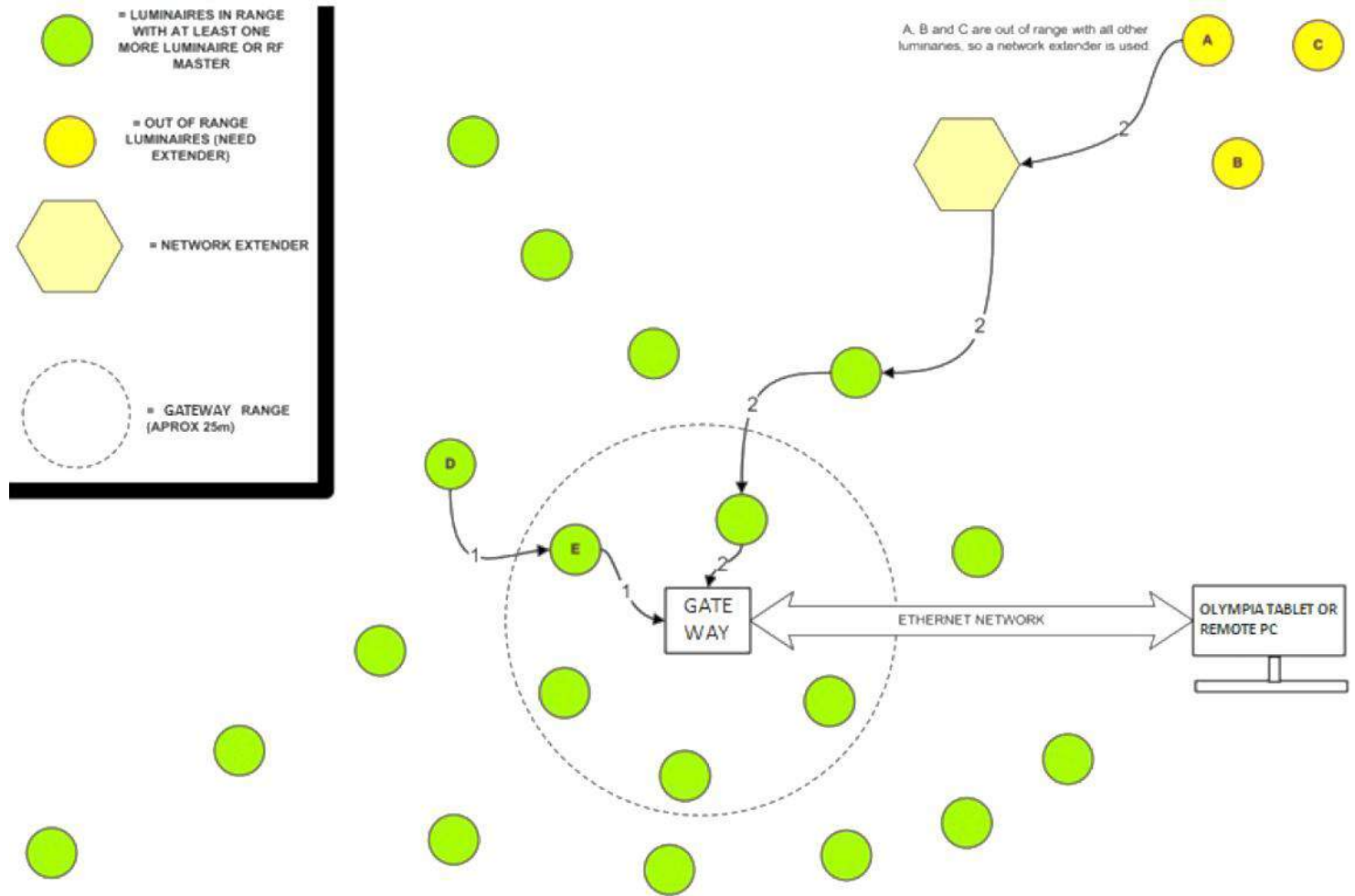
Wireless emergency lighting monitoring

General system diagram

Central battery system CBS

General information

- The Central battery systems (CBS) provide the requisite power and control to emergency lighting in large scale installations. Undoubtedly, required attributes for low cost maintenance and trouble-free monitoring.

- The Central battery systems have undeniably formed the new emergency lighting era.

- Generally the CBS systems have been defined as the control units who provide power to the emergency lights, either straight from the power MAINS or their internal batteries.

- A CBS system performs periodically autonomous duration tests, so that the batteries it carries, should always be able to provide adequate autonomy. This action must follow the EN50172 or be verified by the local regulations.

- A typical CBS installation consists of the central power supply unit, selected batteries, proper wiring per zone, selected luminaires. Maintained or non-maintained lighting, Timers and Staircase function is some of the basic configurations.

Central battery system CBS

General information

- 300W or 600W Maximum Power Output
- Control and monitoring system
- Expandable number of illumination circuits (depending on the model)
- Selectable operation mode (maintained or non-maintained) in each zone (it applies to every luminary in the 24V/ADR version)
- Battery overpower detection
- Battery overheat detection
- Zone overpower detection
- Current monitoring available in each zone (5% to 50%) (GR-8500 & GR-9500)
- Scheduled timer options for maintained illumination
- Inhibit Mode
- BMS connections included (relays)
- Staircase lights operation
- Control input for external mains voltage monitoring devices
- Protection against battery deep-discharge
- Programmable function and capacity test
- Remote control via Ethernet connection (optional)
- Network panels up to 32 panels

Central battery system CBS

GR-8500
CBS 24V DC panel

- Output: 24V DC
- 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.
- Current output monitoring ability (from 5% to 50%)

Compatible battery type

Sunlight SPB-12-33 for 300W
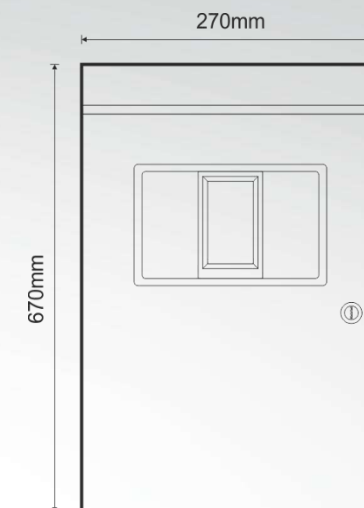
Battery capacity (Ah) 33
Battery voltage (V) 12

Sunlight SPB-12-55 for 600W

Battery capacity (Ah) 55
Battery voltage (V) 12

Dimensions in mm
270mm
670mm

	Duration	Consumption
300W	1h	300W
	1,5h	250W
	3h	130W
	8h	50W
600W	1h	600W
	1,5h	500W
	3h	260W
	8h	100W

MAX 75W
Power capacity
per zone

Central battery system CBS

GR-8600
CBS 24V DC Adressable panel

- Output: 24V DC
- 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 every luminary for maintained or non-maintained operation.
- Current output monitoring ability (from 5% to 50%)
- Uninterrupted communication between panel and luminaries for monitoring and fault detection
- Light dimming capability in maintained operation

Compatible battery type

Sunlight SPB-12-33 για 300W
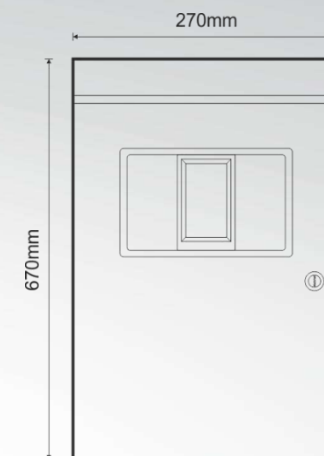
Battery capacity (Ah)   33
Battery voltage (V)   12

Sunlight SPB-12-55 για 600W

Battery capacity (Ah)   5
Battery voltage (V)   12

	Duration	Consumption
300W	1h	300W
	1,5h	250W
	3h	130W
	8h	50W
600W	1h	600W
	1,5h	500W
	3h	260W
	8h	100W

MAX 75W
Power capacity per zone

Dimensions in mm
270mm
670mm

Central battery system CBS

GR-9500
CBS 230V AC

- Output: 230V AC
- 300 – 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.
- Current output monitoring ability (from 5% to 50%)

Dimensions in mm

270mm

670mm

Compatible battery type
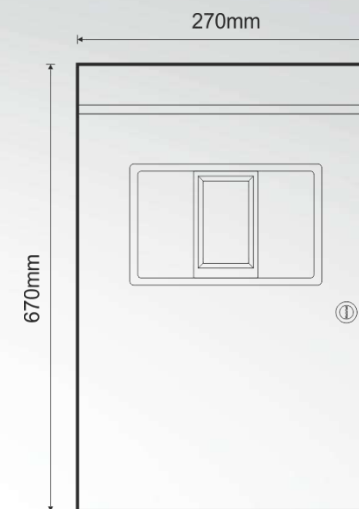

Integrated Power Inverters

MeanWell TS-400 inverters transform the 24VDC voltage provided from the battery to 230VAC
230VAC inverter output is isolated from mains voltage connections

Sunlight SPB-12-33 για 300VA

Battery capacity (Ah) 33
Battery voltage (V) 12

Sunlight SPB-12-55 για 600VA
Battery capacity (Ah) 55
Battery voltage (V) 12

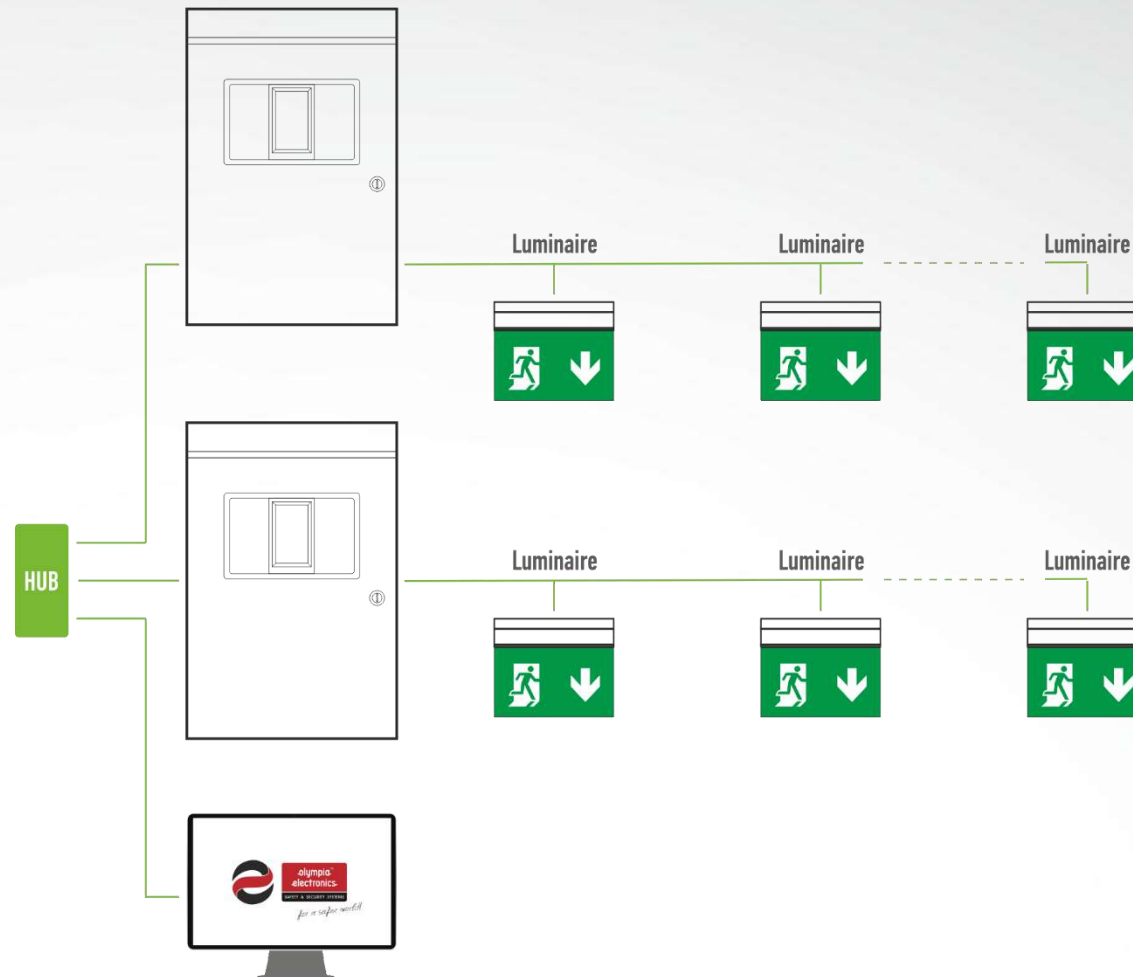|	Duration	Consumption
300VA	1h	300VA
	1,5h	250VA
	3h	130VA
	8h	50VA
600VA	1h	600VA
	1,5h	500VA
	3h	260VA
	8h	100VA

MAX 75VA
Power capacity per zone

Central battery system CBS

Connection diagram via ETHERNET

Follow us