



Wireless emergency
lighting monitoring

Emergency Lighting
Systems with DALI
Communication
protocol

Central Battery Systems

Addressable emergency
lighting control panel



KM645103
BS EN 50171



www.olympia-electronics.com



est. 1979

**olympiaTM
electronics**

SAFETY & SECURITY SYSTEMS

for a safer world!



Wireless emergency lighting monitoring

The Phos 4.0 is the latest offering on wireless emergency lighting monitoring systems by Olympia Electronics.

The Phos 4.0 system is based on encrypted wireless communications between luminaires, offering complete monitoring of all connected luminaires with robust security from unwanted access.

The system is designed to be installed on all types of buildings, as each central unit can control up to 3200 luminaires via Wireless Gateways, thus enabling it to satisfy the needs of large installations.



I choose the wireless emergency lighting monitoring of Olympia Electronics

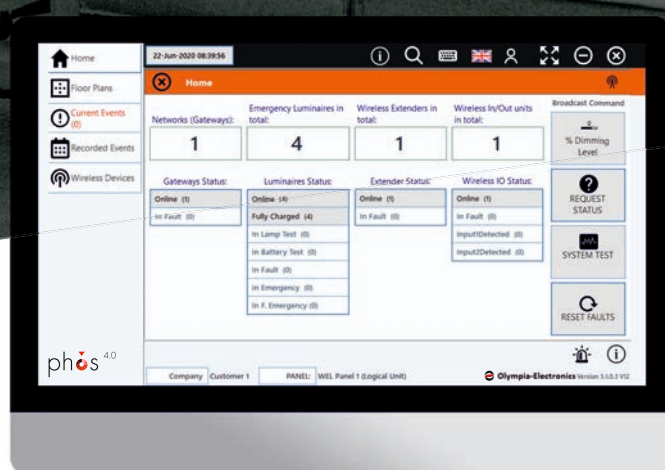
The Phos 4.0 wireless emergency lighting system combines the expertise and security achieved by Olympia Electronics' 40 years of emergency manufacturing experience with the flexibility and lower maintenance costs offered by a modern wireless system.

The Phos 4.0 wireless emergency lighting system offers complete monitoring of all connected wireless devices, collecting status information and issuing testing commands, without affecting the operation of the connected devices. Also, the system offers advanced connectivity options that enable it to connect to BMS systems via Modbus TCP.

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.

The Phos 4.0 wireless system:

- offers complete monitoring options of all connected devices without interfering with the installation and operation of self-contained luminaires.
- is resistant to network failures, as each wireless device is operating as a separate node.
- can connect to modern BMS systems, offering a complete overview of all installation luminaires.



phos^{4.0}
software

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.

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.

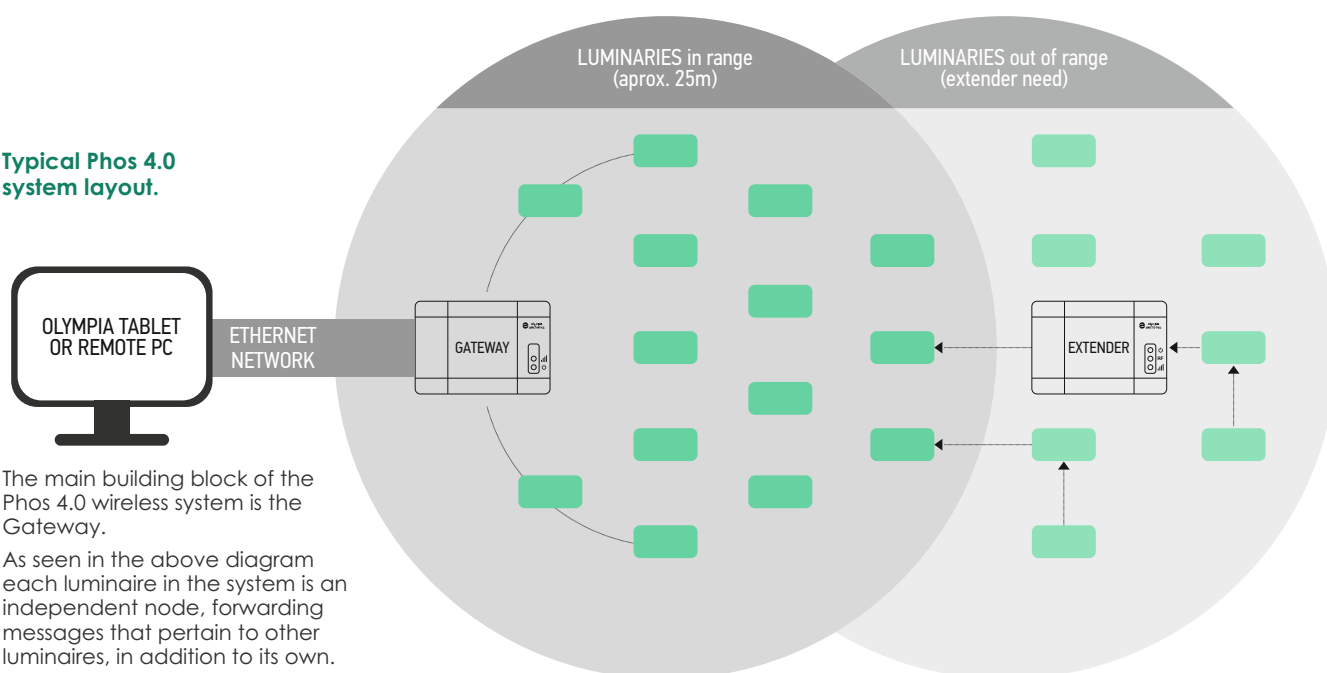
The Standard version of the Phos 4.0 software comes pre-installed on the GR-7610/V2 i-OLEG tablet. The GR-7610/V2 i-OLEG tablet can accept up to two USB

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).



TABLET

GR-7620/V2/Kit

GR-7620/V2/Kit is a control panel for wireless emergency luminaires suitable for industrial installations, with a 10.1" touch screen, rugged design and a battery for 4 hours of autonomy duration in case of power failure. GR-7620/V2/Kit has the Phos 4.0 standard version pre-installed.

- ✓ Connectivity with Ethernet / wifi, gateway, USB gateway
- ✓ Tablet IP67 / Metal case IP30
- ✓ Internal power supply
- ✓ Gateway mounting positions
- ✓ Housing dimensions 373x313x45mm
- ✓ Waterproof, Shockproof, Drop resistance, Anti-Dust
- ✓ Screen 10.1 inch, IPS, Capacitive Touch Screen
- ✓ Resolution 1920*1200
- ✓ Battery 12000mAh
- ✓ Weight 1080g
- ✓ 1 x USB 3.0 type A
- ✓ 2 x USB 2.0 type A
- ✓ 1 x HDMI port
- ✓ 1 x RJ45 LAN Port
- ✓ WiFi: 802.11 b/g/n

TABLET

GR-7630/V2

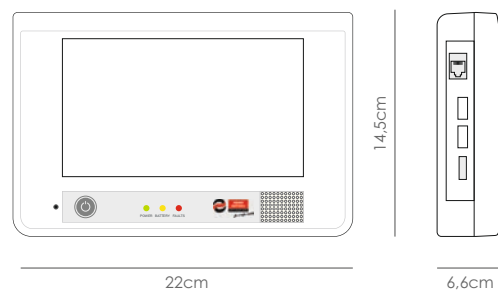
GR-7630/V2 is a control panel for wireless emergency luminaires, with a 10.8" touch screen and a battery for 4 hours of autonomy duration in case of a power failure, is suitable for offices and receptions. GR-7630/V2 has the Phos 4.0 standard version pre-installed.

- ✓ Connectivity with Ethernet / wifi, gateway, usb gateway
- ✓ Screen 10.8 Inch IPS, Capacitive Touch Screen
- ✓ Dimensions 255x173.5x70mm
- ✓ Resolution 1920*1280
- ✓ Battery 10000mAh
- ✓ Weight 1020g
- ✓ 4xUSB 3.0 type A
- ✓ 1 x HDMI port
- ✓ 1 x RJ45 LAN Port
- ✓ WiFi: 802.11 b/g/n



YPSILON SERIES





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





GR-7603/V2
GR-7604/V2

Description	GR-7603/V2 Ethernet/Wifi Gateway
Code	923760300
Consumption	2VA
Max. Wireless Device Capacity	200
Tx power	11dBm
Wi-Fi Protocol	802.11 b/g/n

Description	GR-7604/V2 Network Extender
Code	923760401
Consumption	1.5VA
Tx/Rx frequency range	868 - 870MHz
Tx power	11dBm

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 LUMINARIES (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.



GR-7605/V2

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).



GR-7607/V2

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

The "GR-7607/V2 USB Gateway" is a Gateway (master) device for a wireless emergency lighting network that connects to the master PC (or GR-7610/V2 i-OLEG) via a USB port. It is capable of controlling up to 200 wireless devices. Power supplied via USB. Intended for 'Standard' version and smaller scale installations, for easier commissioning and usage.



GR-7606/V2

Description	GR-7606/V2 In/Out Wireless Unit
Code	923760601
Consumption in standby mode	6.1mA / 34.2 - 58.3mA
Outputs	2, relay 30V/1A, 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).



ΑΥΤΟΛΛΑΚΤΙΚΑ

GR-6600/WL/V2

GR-6601/WL/V2

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

The GR-6600/WL/V2 Spare WL module for emergency lighting is a device that is connected to any self-contained emergency luminary by Olympia Electronics, in order to be connected to a Wireless Emergency Lighting network. The wireless luminary is stated as a "router" device and is connected to a Gateway.

Emergency Lighting Systems with DALI Communication protocol

Dali is a communication protocol for emergency luminaires which allows the control of their network.

It can control one luminaire or a set of luminaires and adjust various parameters such as luminosity, operation check, autonomy check, device detection and inhibit function.

Through the graphical environment, the devices are monitored and controlled and inform us about voltage, operation current or any errors.

Advantages:

Control of luminaires network from the computer via usb or ethernet

Control of luminaires network via mobile phone

Integration of all the different systems that support Dali in one installation (emergency luminaires, conventional lighting, sensors)

Flexibility in the interconnection of devices due to the open protocol.



GR-6600/DALI

Dali module for emergency luminaires

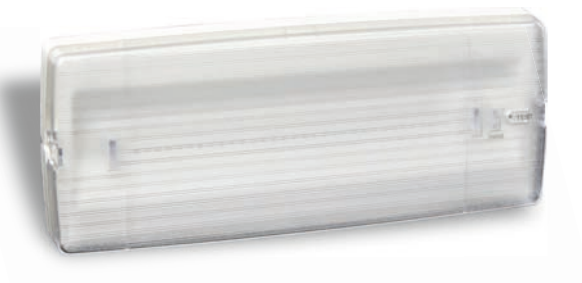
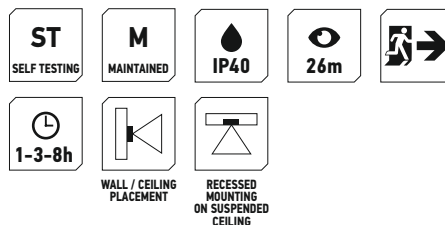
A DALI network can consist of up to 64 devices, with the ability to mix different types of lighting devices (such as fluorescent lighting, RGB LED series, emergency lighting etc.) that support DALI connectivity. The connection of addressable emergency luminaires of the DALI OLYMPIA ELECTRONICS series is automatic and requires less time compared to typical addressable systems. The wiring of DALI type safety luminaires is versatile and can be implemented with conventional type multi-conductor cables, using the same cable for powering the luminaire but also for communication, thus drastically reducing the installation cost. This is achieved due to the "immunity" to which the protocol has to electrical noise and interference. The length of the communication cable can reach up to 300 meters which in combination with the 64 devices per network, covers a sufficient area for small and medium-sized installations.

The DALI line does not require line termination and supports "star or line" type connections but not rings and closed loops.



EASY LIGHT

DALI emergency luminaires *self-testing*
maintained / non-maintained operation.



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 A-3018 accessory enables the recessed installation of the Easy Light luminaires on false ceilings. Additionally, the SP-1116/RLDUB signs convert the luminaires to double-sided emergency exit signs.

GR-370/LL/DALI Autonomy 1-3-8h

Accessories upon demand

A-3018 Suspended ceiling mounting springs

SP-1116/RLDUB Double sided Plexiglass 4mm marking panel with all directions (Can be used only when the luminaire is installed on the ceiling)



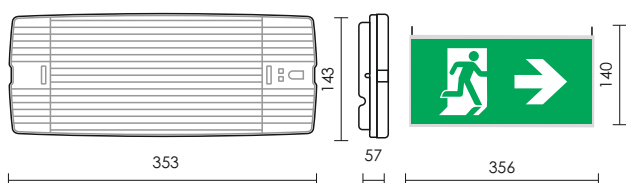
SP-1116/RLDUB



A-3018

Dimensions in mm

Required opening for suspended wall or ceiling installation 340 x 124mm

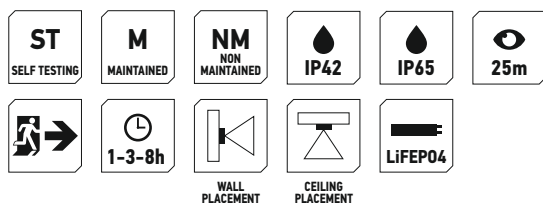


Single side pictograms

- S-31101/LO  Pictogram left ISO single side
- S-31101/RO  Pictogram right ISO single side
- S-31101/DO  Pictogram down ISO single side
- S-31101/UO  Pictogram up ISO single side

OLYMPUS LIGHT

DALI emergency luminaires *self-testing*
maintained / non-maintained operation.



OLY-1004/DALI	Autonomy 1-3-8h
OLY-1004/WP/DALI	Autonomy 1-3-8h
OLY-1004/LF/WP/DALI	Autonomy 1-3-8h

Accessories upon demand

A-3018	Suspended ceiling mounting springs
SP-1100/RLDUB	Double sided Plexiglass 6mm marking panel for all directions



SP-1100/RLDUB



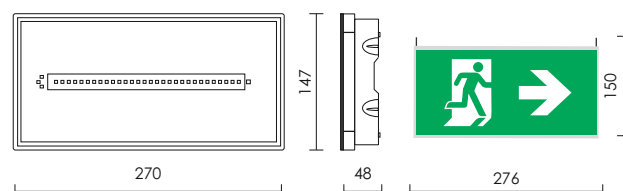
A-3018

Single side pictograms

SW-110X/LO		Pictogram left ISO single side
SW-110X/RO		Pictogram right ISO single side
SW-110X/DRO		Pictogram down ISO single side
SW-110X/UO		Pictogram up ISO single side

Dimensions in mm

Required opening for suspended wall or ceiling installation 225 x 130mm





LINEAR LIGHT

DALI emergency luminaries *self-testing* maintained / non-maintained operation.



WALL / CEILING
PLACEMENT



**Available
in anthracite
color**



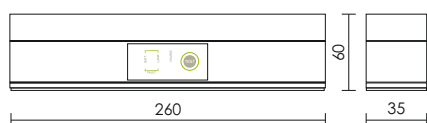
Reliability and elegance were the main considerations for the development of the new LINEAR LIGHT range. The modern minimal and linear style makes KLIN ideal for any architectural project.

KLIN-20/ST/DALI Autonomy 1-3-8h

Accessories upon demand

- 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-2136 Accessory set for ceiling mounted hanging installations with 2,5m cable
- A-2520/PL/ST Suspended ceiling base for self-testing luminary KLD-xx

Dimensions in mm



A-2130
A-2131
A-2132



A-2133



A-2136



A-2520/PL/ST





TETRAGONO LIGHT

DALI emergency luminaires for ceiling, *self-testing* maintained / non-maintained operation (GR-46x) and non-maintained (GR-49x)



RECESSED
MOUNTING
ON SUSPENDED
CEILING



Olympia Electronics' Tetragono Light family of safety luminaires are manufactured to provide safety lighting with lenses suitably designed for use in either open areas or escape corridors.

The GR-4XX series can be used to meet security lighting requirements in sports or industrial facilities, providing easy-to-use wiring capability for the installing electrician.

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

GR-460/DALI

autonomy 1.5h, IP42, lense for escape routes

GR-461/WP/DALI

autonomy 1.5h, IP65, lense for open places

GR-492/DALI

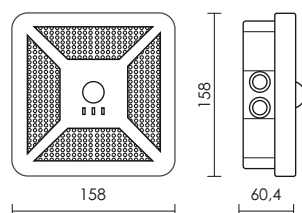
autonomy 3h, IP42, lense for escape routes

GR-493/DALI

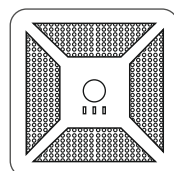
autonomy 3h, IP42, lense for open places

Dimensions in mm

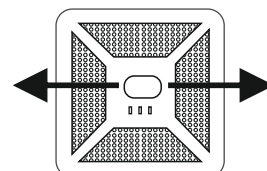
Required opening for suspended wall or ceiling installation 145 x 145mm



Lense
for open areas

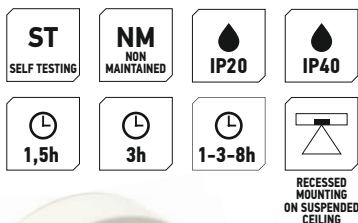


Lense
for escape routes



SPOTLIGHT

DALI emergency luminaires for ceiling, self-testing, non-maintained operation.



Available
in anthracite
color



GR-795/ST/DUO/DALI

autonomy 1.5-3-8h, IP40, interchangeable lenses

GR-796/ST/DUO/DALI

Recessed mounting autonomy 1.5-3-8h, IP40, interchangeable lenses

GR-290/M/DALI

autonomy 1.5h, IP40, escape route lenses

GR-291/M/DALI

autonomy 1.5h, IP40, lenses for open areas

GR-292/M/DALI

autonomy 3h, IP40, escape route lenses

GR-292/M/HL/DALI

autonomy 3h, IP20, escape route lenses

GR-293/M/DALI

3h, IP40, lenses for open areas

GR-293/M/HL/DALI

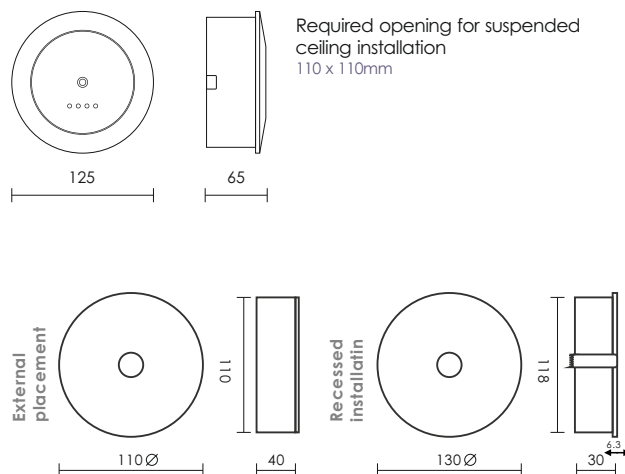
3h, IP20, lenses for open areas



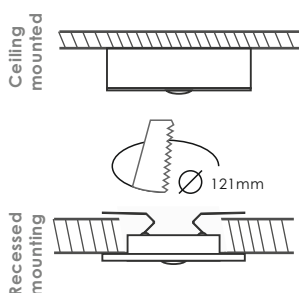
Olympia Electronics's SpotLight luminaires are designed to provide safety illumination with lenses appropriately designed for use in either open areas or escape routes.

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,

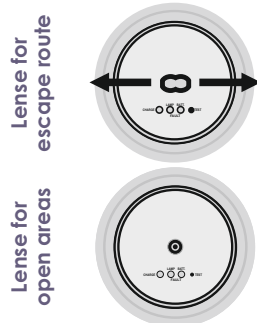
Dimensions in mm



Mounting methods



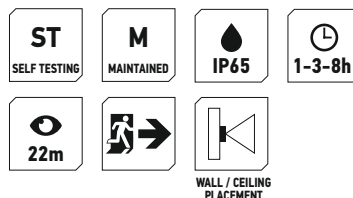
Lense





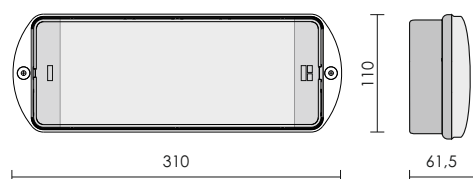
WEATHER LIGHT

**DALI waterproof emergency luminaires self-testing
maintained / non-maintained operation, low luminosity**



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.

Dimensions in mm



GR-1950/LL/DALI Autonomy 1-3-8h

Accessories upon demand

A-9100/ST Plastic double sided diffuser for self-testing

A-1900 Magnetic test card



Pictograms single side

S-19100/RLDO  Set of pictograms ISO single side, left right down indication

S-1938/UO  Pictogram up ISO single side

POWER LIGHT

**DALI emergency luminaires self-testing
non-maintained operation**



WALL
PLACEMENT



GRL-37/90/WP/DALI Autonomy 1.5h

GRL-37/180/WP/DALI Autonomy 3h

GRL-37/180/DALI Autonomy 3h

GRL-29/DALI Autonomy 3h

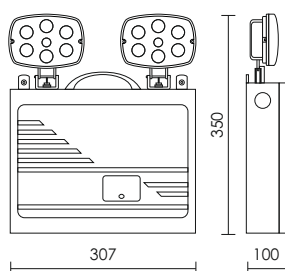
GRL-29/WP/DALI Autonomy 3h



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.

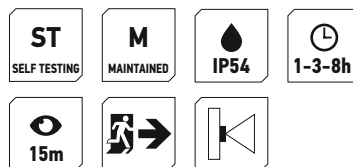
Dimensions in mm





BAU LIGHT

DALI emergency luminaires, self-testing, maintained / non-maintained operation.



The Bau Light safety luminaires are inspired by the principles of the Bauhaus school, based on geometric forms and with an emphasis on usability and simplicity.

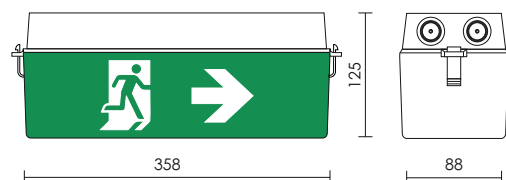
The Bau Light range of luminaires finds application in urban facilities, such as apartment buildings and residential complexes, while the high-profile version is suitable for street lighting in low-height facilities, such as parking spaces.

GR-750/ST/HP/LL/DALI Autonomy 1-3-8h

HP: High profile / High opal hood

LL: Low luminosity

Dimensions in mm

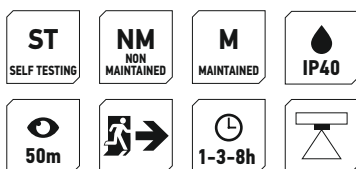


Single side pictograms

S-73600/LO		Pictogram Left ISO single side
S-73600/RO		Pictogram Right ISO single side
S-73600/DO		Pictogram Down ISO single side
S-73601/LO		Pictogram Left ISO single side
S-73601/RO		Pictogram Right ISO single side
S-73601/DO		Pictogram Down ISO single side

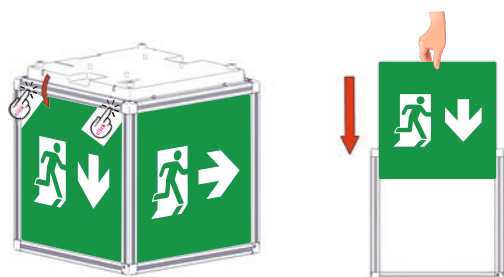
3D LIGHT

DALI exit sign luminaires, *self-testing, maintained / non-maintained operation.*



GR-415/1PL/DALI Autonomy 1-3-8h

Easy mounting of a pictogram



Single side pictograms

PL-4xx/LO		Marking overlay ISO with left indication
PL-4xx/RO		Marking overlay ISO with right indication
PL-4xx/DRO		Marking overlay ISO with right down indication
PL-4xx/URO		Marking overlay ISO with right up indication
PL-4xx/O		Marking overlay
SW-4xx/DLO		Marking overlay ISO with left down indication
SW-4xx/ULO		Marking overlay ISO with left up indication



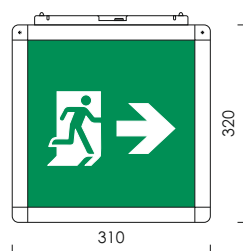
The 3D Light exit sign luminaires are made in a square shape and there is the possibility of placing the pictogram on three or four sides of the luminaire.

They are suitable for indoor, self-testing, maintained / maintained operation, with autonomy of 1,3 or 8 hours and 50m viewing distance.

Each luminaire must be permanently connected to the supply voltage. During its normal operation, the battery is charged and the lighting LEDs are turned on.

At each interruption of the supply voltage, the luminaire is automatically put into standby mode, turning on the lighting LEDs from its battery. When the supply voltage returns to its normal operation.

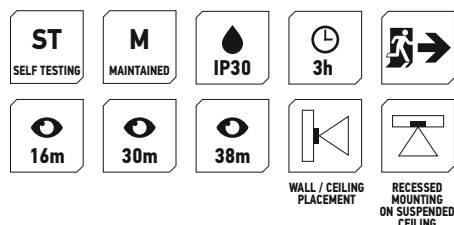
Dimensions in mm





LOUNGE LIGHT

DALI emergency luminaries, self-testing, maintained / non-maintained operation.



The Lounge Light exit sign luminaires are elegant, discreet and suitable for indoor spaces. They are designed to cover long viewing distances (16m, 30m, 38m) and are available in 3 different sizes.

The Lounge Light series signage is double-sided and the pictograms are extremely easy to install. They can be installed recessed or suspended on the ceiling as well as parallel to the wall. In the event of a power outage, these security lights have a 3-hour autonomy.

SLD-28/DZ/M2/DALI	Autonomy 3h
SLD-28/DZ/M/DALI	Autonomy 3h
SLD-34/SP/M/DALI	Autonomy 3h
SLD-34/DZ/M/DALI	Autonomy 3h
SLD-34/SP/M/LF/DALI	Autonomy 3h
SLD-44/SP/M/DALI	Autonomy 3h

Accessories upon demand

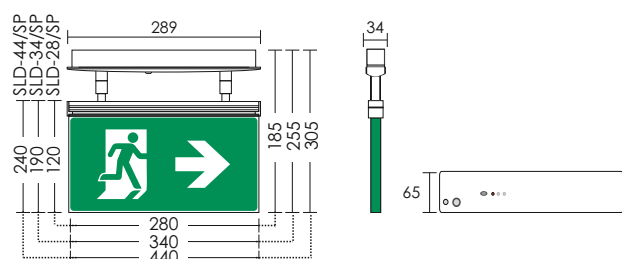
A-3018  Suspended ceiling mounting springs

Single side pictograms

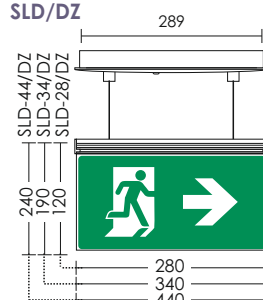
SW-28/L, SW-34/L, SW-44/L		Marking overlay with left indication
SW-28/R, SW-34/R, SW-44/R		Marking overlay with right indication
SW-28/DL, SW-34/DL, SW-44/DL		Marking overlay with down left indication
SW-28/DR, SW-34/DR, SW-44/DR		Marking overlay with down right indication
SW-28/UL, SW-34/UL, SW-44/UL		Marking overlay with up left indication
SW-28/UR, SW-34/UR, SW-44/UR		Marking overlay with up right indication

Dimensions in mm SLD/SP

Required opening for suspended wall or ceiling installation 280 x 50mm

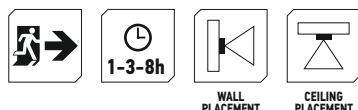


SLD/DZ



VALUE LIGHT

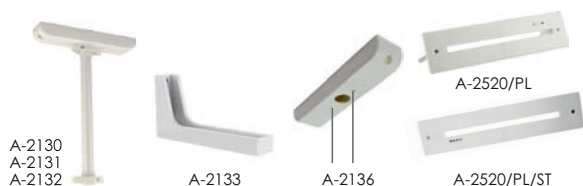
DALI exit sign luminaires, *self-testing, maintained / non-maintained operation.*



KLD-22/ST/DALI	Autonomy 1-3-8h
KLD-30/ST/DALI	Autonomy 1-3-8h
KLR-20/ST/DALI	Autonomy 1-3-8h

Accessories upon demand

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-2136	Accessory set for ceiling mounted hanging installations with 2,5m cable
A-2520/PL/ST	Suspended ceiling base for self-testing luminary KLD-xx
A-2520/PL	Suspended ceiling base



Single side pictograms

SW-22/L, SW-31/L, SW-20/L		Marking overlay with left indication
SW-22/R, SW-31/R, SW-20/R		Marking overlay with right indication
SW-22/DL, SW-31/DL, SW-20/DL		Marking overlay with down left indication
SW-22/DR, SW-31/DR, SW-20/DR		Marking overlay with down right indication
SW-22/UL, SW-31/UL, SW-20/UL		Marking overlay with up left indication
SW-22/UR, SW-31/UR, SW-20/UR		Marking overlay with up right indication

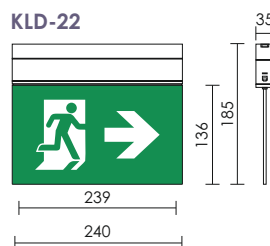


The exit sign luminaires series of the KLD & KLR series are modern lights with a linear style and with a easily adaptable base which makes them able to be installed with great ease on walls and ceilings.

The luminaires of this series are continuous/non-continuous operation, self-testing and not, with different viewing distances. They have autonomy regulation through switches with the option of choosing between 1, 3 or 8 hours.

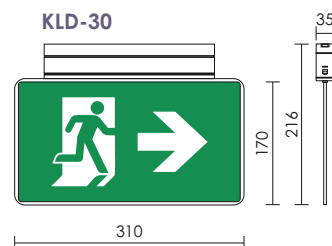
Dimensions in mm

KLD-22

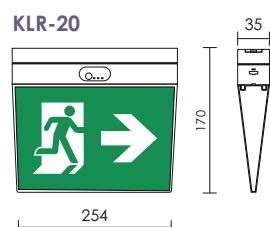


Required opening for suspended wall or ceiling installation 355 x 60mm

KLD-30



KLR-20



Addressable emergency lighting control panel

GR-7501 / GR-7502 / GR-7503 / GR-7504

The GR-750X is a series of high-performance addressable emergency lighting control panels designed to monitor and control demanding, large-scale installations with many emergency luminaires.

The panels provide automatic duration and function tests of all connected Olympia Electronics addressable luminaires during pre-set time intervals. The test results are recorded in a printable, electronic logbook, ensuring compliance with safety legislature without the additional costs of manually testing each luminaire.

The panels are controlled via a 7" capacitive touch screen with an intuitive user interface which offers extended networking capabilities, such as up to 24 panels that can be connected to a single network. At the same time, an integrated web server provides the user with a complete overview of installed emergency luminaires, regardless of the size of the installation.

Each panel can control up to 1000 luminaires, divided into four circuits of 250 luminaires each, with the ability to be programmed into 200 logic zones to perform common tasks or triggered events.



Placement

Surface/Recessed Wall mounting

Application

Ideal for medium to large scale facilities where automatic centralized control of emergency luminaires is required, such as airports, malls, logistics centers, hotels and factories.

Construction materials

ABS – polycarbonate / metal sheet with electrostatic paint

Loop circuits

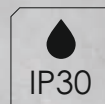
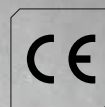
1,2,3 or 4 loops
250 addressable points per loop
400mA max current per loop

Inputs

4 programmable resistance-controlled inputs 2-state
(normal - active) detection
Fault detection: Open Circuit and Short Circuit

Complies with the standard

EN 62034



Addressable emergency lighting control panel

The GR-750x series of Control Panels for Addressable Emergency Light consists of 4 models (1, 2, 3 and 4 loop circuits), named GR-7501, GR-7502, GR-7503 and GR-7504 respectively, all sharing the same control interface, functionality and indications.

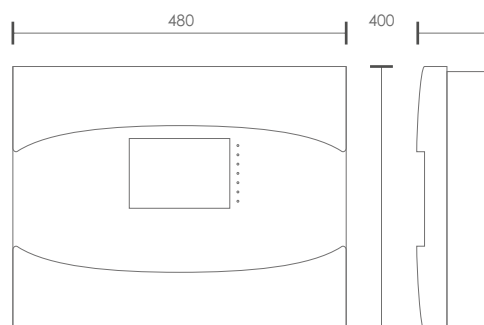
All GR-750x models include 4 programmable inputs, 2 programmable outputs, 24V monitored & 24V permanent outputs, and a programmable aux relay.

The panel uses 2 x 12V Lead Acid (Pb) batteries for its backup operation.

The available loop output circuits are: 1 for GR-7501, 2 for GR-7502, 3 for GR-7503 and 4 for GR-7504. Each loop output circuits can support up to 250 addressable luminaires.



KM 640086
BS EN 62034:2012



Key features of the GR-7500 panels



- ▶ 7" LCD touch display.
- ▶ Graphical user interface.
- ▶ English and Greek languages available, more languages could be supported.
- ▶ Supports up to 4 loop cards, with 250 luminaires per loop. Maximum 1000 luminaires per panel.
- ▶ 200 zones to organize/group the connected luminaires.
- ▶ Compatible with the luminaires supported by the GR-6500 panel.
- ▶ Automatic checks at specific intervals (configurable from the technician menu). Function and duration tests are performed on all connected luminaires.
- ▶ GR-750x panels can be connected to form a network (based on RS-485 communication). Up to 24 panels can be connected in the same network. Supports automatic network formation and addressing, ring topology (open/closed loop).
- ▶ 3 relays with a predefined operation (BMS): on fault, on power loss and normal operation.
- ▶ 1 user configurable relay, 2 voltage outputs (24V), 2 controlled outputs and 4 controlled inputs.
- ▶ Batteries for emergency operation in case of power loss (2x 12V up to 15Ah).
- ▶ LAN/WAN networking using Ethernet/WiFi.
- ▶ OTA update available (requires access to the Olympia Update Server).
- ▶ Software (PC-7500) to configure the panel from a PC. Create, edit, download and upload configuration files to the panel with ease.
- ▶ Website to configure and monitor a panel connected to the same network (WebUI). Supported browsers Microsoft Edge/Mozilla Firefox/Google Chrome.
- ▶ Event log that records events and faults on the panel (up to 6000 records).
- ▶ (Optional accessory) Thermal printer (GR-7500/Printer) that prints events and faults.



PC-7500

- ▶ Connect to the panel using a USB cable.
- ▶ 2 different access levels (User and Technician).
- ▶ Create configuration file, upload and apply it to the panel.
- ▶ Export and import configuration files for future use or backup.
- ▶ Download and view the panel's event log.
- ▶ Print the configuration file and/or the event log.
- ▶ English and Greek languages available, more languages could be supported.

WebUI

- ▶ Accessible from any device with browser support and connected to the same network with the panel.
- ▶ Panel can connect to the network using Ethernet or Wifi.
- ▶ 2 different access levels (User and Technician).
- ▶ Live Monitoring of the panel status and operation
- ▶ Access to almost all panel information and configuration.

CBS

Central Battery Systems

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.



230V AC

CENTRAL BATTERY SYSTEM

Panels 300VA/1h or 130VA/3h

Requires 2 batteries 12V/33Ah

GR-9500/300/4* 4 lighting circuits

GR-9500/300/8* 8 lighting circuits

Panel 600VA/1h or 260VA/3h

Requires 2 batteries 12V/55Ah

GR-9500/600/8* 8 lighting circuits

Peripherals

GR-9510 4 zone lighting circuit
extension card
230V / 300 VA
for GR-9500/300/4

GR-8530 ETHERNET card

24V DC

CENTRAL BATTERY SYSTEM

Panels 300W/1h or 130W/3h

Requires 2 batteries 12V/33Ah

GR-8500/300/4 4 lighting circuits

GR-8500/300/8* 8 lighting circuits

GR-8500/300/12 12 lighting circuits

GR-8500/300/16 16 lighting circuits

Panels 600W/1h or 260W/3h

Requires 2 batteries 12V/55Ah

GR-8500/600/8 8 lighting circuits

GR-8500/600/16* 16 lighting circuits

Peripherals

GR-8510 4 zone lighting circuit
extension card
24V / 300 Watt

GR-8530 ETHERNET card



KM645103
BS EN 50171

**This model
is certified by BSI.**

ADDRESSABLE 24V DC

CENTRAL BATTERY SYSTEM

Panels 300W/1h or 130W/3h

Requires 2 batteries 12V/33Ah

GR-8600/300/4* 4 lighting circuits

GR-8600/300/8* 8 lighting circuits

Panels 600W/1h or 260W/3h

Requires 2 batteries 12V/55Ah

GR-8600/600/8* 8 lighting circuits

Peripherals

GR-8610 4 zone lighting circuit
extension card for
addressable luminaires
24V / 300 Watt

GR-8530 ETHERNET card

Accessories

GR-800/PS Spare power supply for
maintained operation
(GR-8500, GR-8600)

GR-800/PSC Spare power supply for
charging (GR-8500,
GR-8600, GR-9500)



About CBS

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 luminaire 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.

230V AC

Output: 230V AC in main & battery

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.

24V DC

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.

ADDRESSABLE 24V DC

Output: 24V DC in main & battery

300 - 600W panels

4 - 8 zones

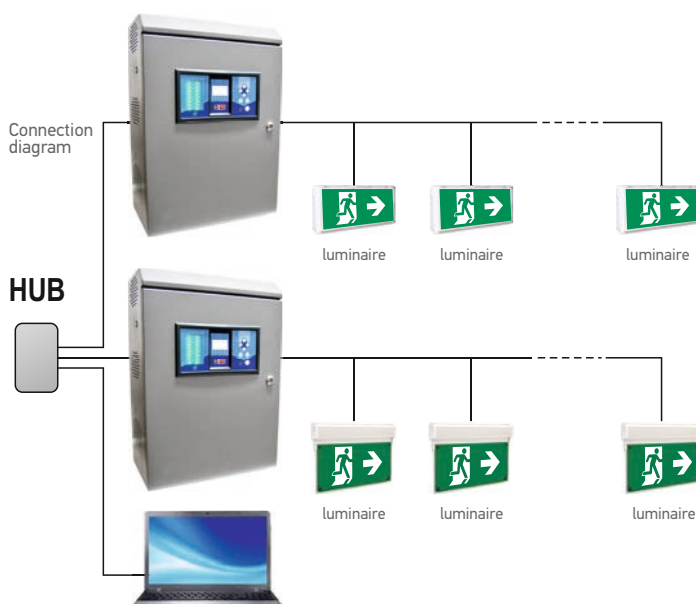
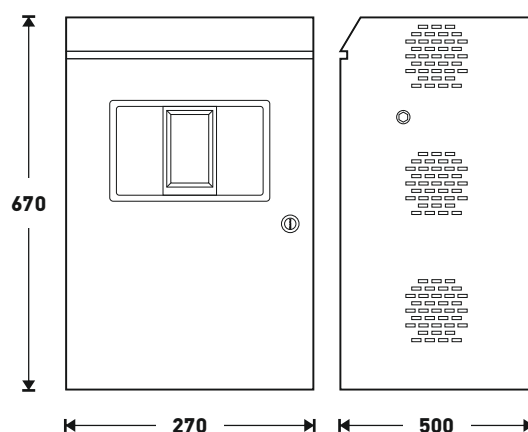
32 luminaries per zone

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 luminaire for maintained or non-maintained operation.

Dimensions in mm





for a safer world!



www.olympia-electronics.com

European
manufacturer



The company is certified by

SWISS APPROVAL
Objectively True
ISO 14001, ISO 45001, ISO 9001

F-001-077
WL/ADR/DALI/CBS