Package Contents

1	Luminaire
3	Pictograms (R/L/D)
1	Mounting accessories
1	Manual

General

These devices are used in places(ta 40°C where emergency light is needed. Each device must be permanently connected to mains power supply. In normal operation the battery is charging. In case of a mains power supply failure, the device enters emergency mode and the illumination LED turns on. When the mains power supply is restored the device turns to normal operation.

Manual Operational Test
An operational test is initiated by placing the test card beside the indicators and removing it instantly. The light source and the emergency circuit of the device are tested. The manual test can be conducted only if the mains power supply and the battery are connected. During this test period, the light source turns on, and all indication LEDs are OFF. The battery must have adequate charge. This test lasts for 3 seconds.

Automatic Operational Test
This test includes all the operations that are provided in Manual Operational Test and is conducted automatically every 15 days and lasts 3 seconds.

Addressable Communication
The luminaire has the ability to be connected to the addressable panels of Olympia Electronics. In order to do so, the luminaire's address has to be unique in the same bus. For the unique addresses refer to the extra leaflet.

Automatic Autonomy Test
The Automatic Autonomy Test is conducted every 6 months and measures the device's backup operation and emergency duration. In order to be performed, the mains power supply and the battery should be connected and fully charged. If the battery is not fully charged, the test is postponed until the battery is completely charged. If during this test, the autonomy is less than nominal, then the battery fault LED turns on continuously, and the battery must be replaced.

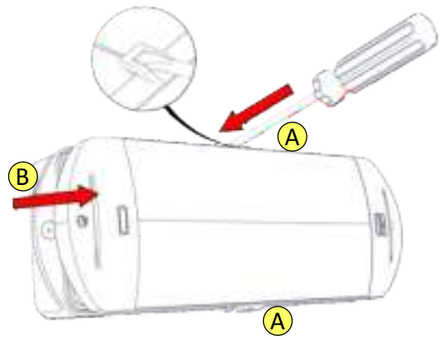
Resetting Errors
Place the test card A-1900 beside the indicators (page 4) and remove it after the reset is conducted (the indicators light in sequence) to clear all indicated LED errors. Then, the luminaire enters regular operation mode.

ATTENTION!!!
1. Operations for installation, maintainance or testing must be done by authorized personnel only.
2. Always use in any case round mains cable, with a diameter of 5-10mm (H05RN-F type 2x1mm² or any other type, at least equal to it's mechanical and electrical properties). ATTENTION!! The cable must not be deformed in any way (This requirement is important to ensure the IP rating).
3. The device must be connected to the mains power supply through a circuit breaker that is depends on the total line's power load.
4. In case of battery replacement, it must be replaced by the same type, by the manufacturer or a competent person.
5. In case of inactive use for a period greater than 2 months, disconnect the battery by pulling out the battery's connector.
6. It is not allowed to discard batteries into common trash bins, they must be discarded only in battery recycling points. Do not incinerate.

Indications LED Status

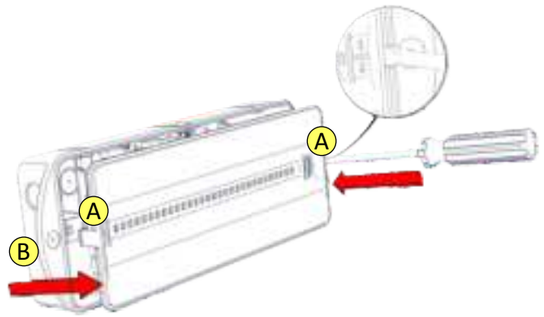
GREEN (charge)	RED (Lamp Fault)	RED (Bat. Fault)	Description
●	○	○	Good charge condition
○	○	○	Mains off (battery not connected or charger fault)
●	○	◉	Autonomy or low battery problem
○	○	◉	No charging current or disconnected battery
∅	●	∅	Light Source Fault (with light source off)
∅	●	∅	Problem in the light source (with light source on)
Note:			●Permanently ON ◉Blink ○Off ∅Non relevant

Installation



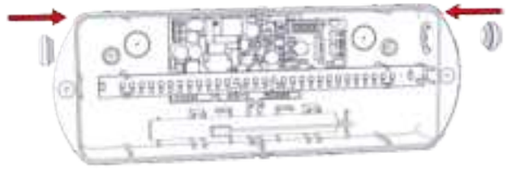
To dismantle the luminaire, simply remove the difussor.
ATTENTION! If the 2 plastic latches (A) are clipped, carefully insert a flat-blade screwdriver to unclip them. Then, gently lift the diffuser (B) upwards to detach it.

1



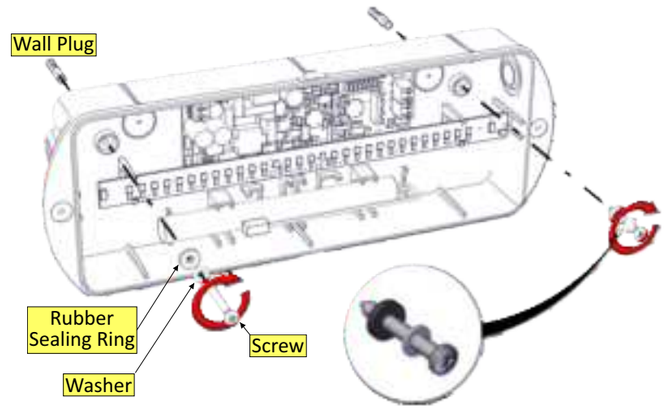
Place a flat blade screwdriver to the recesses (A) and pull up gently the reflector (B) to remove it.

2



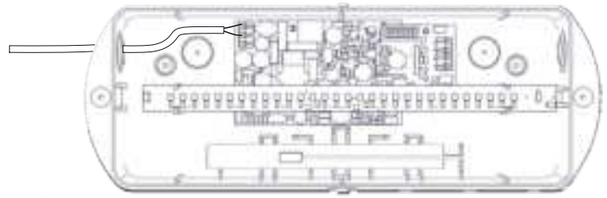
Install the two rubber gaskets to the holes of the base. Make sure that they are not deformed.

3

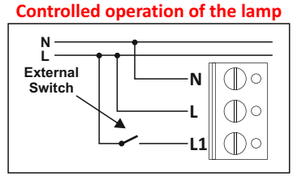


Install the plastic base (with the included mounting accessories).
WARNING!! To preserve the IP65 rating, fit the screws with the metallic washers and rubber sealing rings.

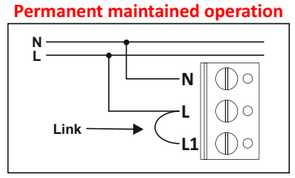
4



Controlled operation of the lamp

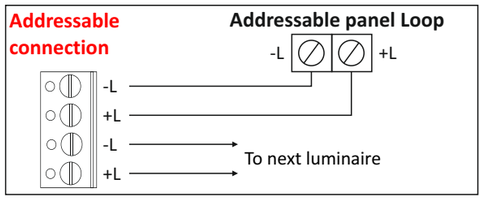


Permanent maintained operation



Make a hole in the center of the rubber gasket by using a small screwdriver. Pass the round cable through the rubber gasket. Connect the mains cable according to the connections diagrams above.
N for neutral, **L** for live wire
WARNING!! Isolate the mains power supply before making the connections.

5



Make a hole in the center of the second rubber gasket using a small screwdriver. Pass the communication cables through the rubber gasket and make the connections according to the diagram above. Then, adjust the address of the luminaire using the micro switches located in position DS1. For all available addresses, refer to the extra leaflet of the packaging.

6

Install the included tie-wrap to the adhesive tether loop and fasten securely the power cable in order to anchor it.

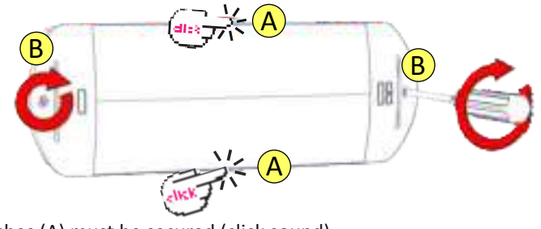
7

Place the battery's connector to the corresponding connector on the PCB.

8

Refit the reflector and then the diffusor, which were removed in steps 1 & 2. Mind the holes of the indications.

9



The plastic latches (A) must be secured (click sound).
Fasten the 2 screws (B). (Tightening torque 1.2N*m)

10

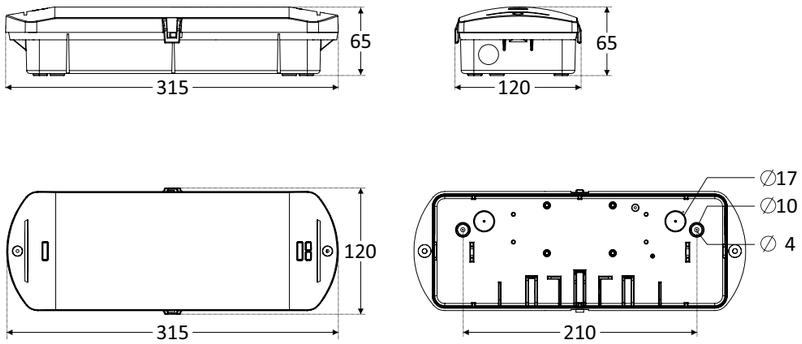
NOTE!!
After finishing the installation you must power the luminaire for at least 24 hours in order to completely charge the battery. The rated autonomy duration can be achieved after that time.

Battery Replacement

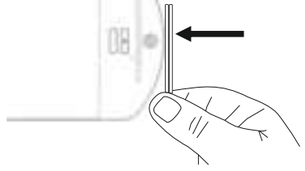
It can be done only by a competent person and after the mains interruption.

1. Follow step 1 of the installation instructions and remove the diffusor.
2. Follow step 2 of the installation instructions and remove the reflector.
3. Remove the old battery and place a new one of the same type and characteristics.
4. Replace the removed parts (previous steps 1 and 2).

Dimensional drawing: 315 x 120 x 65 mm



A-1900 Magnetic Test Card



A-1900 Test card (not included).
This card is available only upon request.
To use it, place the card beside the indicators.
For the Manual Operational Test, place the card and remove it immediately.
For resetting errors, place the card and remove it after the indicator LEDs light in sequence.

NOTE: LED= Light Emitting Diode
LABELING EXPLANATION:
X: Self contained
1: Maintained/Non maintained operation (*)
A: Including test device
B: Including remote test mode
C: Including inhibiting mode
G: Internally illuminated safety sign
90: 1.5 hour duration
180: 3 hours duration

(*) Maintained operation: The luminaire lights its illumination source, when it is powered by the mains power supply or not.
Non Maintained operation: The luminaire lights its illumination source, only in power supply's failure.

Note!! The installer should fill in, on the specification label, the letter **G** if the luminaire is used as a safety sign.

X	1	A B C	6 0

ATTENTION
The light source contained in this luminaire shall only be replaced by the manufacturer, or his agent, or a similar qualified person.

NOTE! The light source is non-user replaceable.

Technical Characteristics

	GR-1938/15L/ADR	GR-1939/15L/ADR	GR-1938/30L/ADR	GR-1939/30L/ADR
OPERATION VOLTAGE	220-240V AC/50-60Hz			
MAXIMUM POWER CONSUMPTION	3.4W / 3.8VA	3.3W / 3.7VA	4.5W / 4.9VA	5.3W / 5.6VA
WIRE CROSS SECTION	0.8 - 2.5 mm^2 (power supply), 0.8 - 2.5 mm^2 (communication)			
BATTERY (Ni-Cd)	3.6V/0.6Ah	3.6V/1.5Ah		3.6V/3Ah
BATTERY PROTECTION	Deep discharge and overcharge protection The control gear will recharge the battery normally after the test of 22.3			
INDICATIONS/CONTROLS	Charge, Lamp Fault, Battery Fault LED			
CHARGE TIME	24h			
MINIMUM DURATION	90min	180min	90min	180min
LIGHT SOURCE	15 white LEDs		30 white LEDs	
LIGHT SOURCE LUMINOUS FLUX (MAINS)	105lm		210lm	
LIGHT SOURCE LUMINOUS FLUX (EMERGENCY)	105lm		210lm	
DEGREES OF COVER PROTECTION	IP65			
PRODUCED IN ACCORDANCE WITH	EN 60598-1, EN 60598-2-22, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3			
VIEWING DISTANCE (as safety sign)	22m			
OPERATION TEMPERATURE RANGE	5 to 40 °C			
RELATIVE HUMIDITY	Up to 95%			
CONSTRUCTION MATERIAL	ABS/PC, PC			
EXTERNAL DIMENSIONS (L x W x H)	315 x 120 x 65 mm			
WEIGHT	600gr.	700gr.		750gr.
GUARANTEE	3 years (1 year for the battery)			

LED Characteristics

MANUFACTURER	Olympia Electronics S.A.	
MODEL NUMBER	2402159/15L	2402159/30L
VOLTAGE RANGE	8.5-10.5 V DC	
NOMINAL POWER	1 W	2 W
CONNECTIONS	Non reversible connection between main pcb and led module	
TEMPERATURE (tc)	47 °C max. across the board	

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. Products that have been damaged can be returned to the premises of our company for repair or replacement, as long as the warranty period is valid.
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.

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European manufacturers

GR-1938/15L/ADR GR-1938/30L/ADR GR-1939/15L/ADR GR-1939/30L/ADR

ADDRESSABLE WATERPROOF SELF TESTING MAINTAINED/NON MAINTAINED EMERGENCY LUMINAIRE

IP65 | ST | M | NM | 1.5h 3h | 105 lm 210 lm | Ni-Cd | 5 to 40°C | 22m | ADR

Thank you for your trust in our products
Olympia Electronics - European manufacturer