LED emergency lighting luminaires
URA ONE

Cat. No(s): 6 606 20/21/23/24/25
6 616 20/21/22/23/24/25/31/32
6 616 33/34/35/37/38/40/42
6 626 31/33/34/40/42

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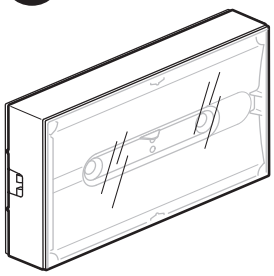
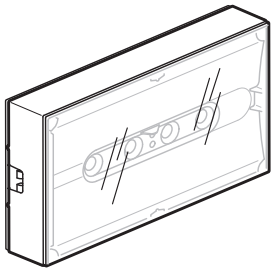
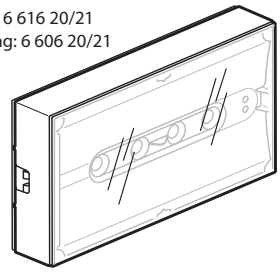


Standard: 6 616 20/21
Self-testing: 6 606 20/21



Standard: 6 616 22/25
Self-testing: 6 606 23/24/25
120 V hotel: 6 616 37



Standard: 6 616 23/24/31/32/33/34/35/40/42
120 V hotel: 6 616 38
Addressable LVS: 6 626 31/33/34/40/42

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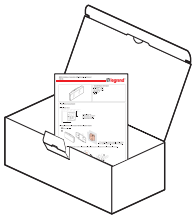
1. DESCRIPTION

IP42 - IK07 LED emergency lighting luminaires
Class II: ⧈

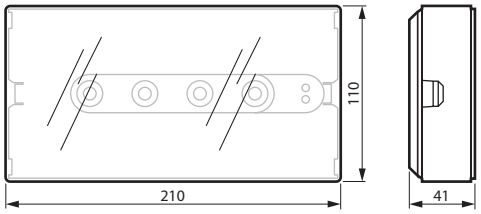
Cat. No.	Flux/Battery life	Mode	M pwr cons. (W)	NM pwr cons. (W)	Batteries
6 606 20	70 lm/1 hr	NM		1.3	Ni-Cd
6 606 21	100 lm/1 hr	NM		1.3	Ni-Cd
6 606 23	200 lm/1 hr	NM		1.7	Ni-Cd
6 606 24	350 lm/1 hr	NM		2.3	Ni-Cd
6 606 25	500 lm/1 hr	NM		2.7	Ni-MH
6 616 20	70 lm/1 hr	NM		1.3	Ni-Cd
6 616 21	100 lm/1 hr	NM		1.3	Ni-Cd
6 616 22	160 lm/1 hr	NM		2.2	Ni-Cd
6 616 23	200 lm/1 hr	NM		2.2	Ni-Cd
6 616 24	350 lm/1 hr	NM		2.8	Ni-Cd
6 616 25	500 lm/1 hr	NM		2.5	Ni-MH
6 616 31	100 lm/1 hr	M/NM	4	2	Ni-Cd
6 616 32	160 lm/1 hr	M/NM	4	2	Ni-Cd
6 616 33	200 lm/1 hr	M/NM	4	2	Ni-Cd
6 616 34	350 lm/1 hr	M/NM	4	2	Ni-Cd
6 616 35	500 lm/1 hr	M/NM	3	0.8	Ni-MH
6 616 37	160 lm/1 hr	NM		2.2	Ni-Cd
6 616 38	350 lm/1 hr	NM		2.8	Ni-Cd
6 616 40	100 lm/3 hrs	M/NM	3	0.8	Ni-MH
6 616 42	200 lm/2 hrs	M/NM	3	0.8	Ni-MH
6 626 31	100 lm/1 hr	M/NM	4	2	Ni-Cd
6 626 33	200 lm/1 hr	M/NM	4.2	2	Ni-Cd
6 626 34	350 lm/1 hr	M/NM	3	0.8	Ni-MH
6 626 40	100 lm/3 hrs	M/NM	3	0.8	Ni-MH
6 626 42	200 lm/2 hrs	M/NM	3	0.8	Ni-MH

1. DESCRIPTION (CONTINUED)

• As-shipped product



• Dimensions



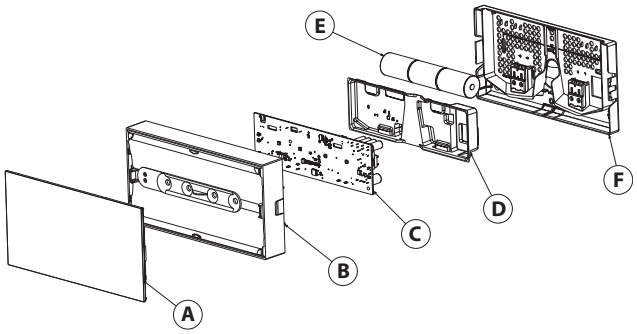
Weight of product in packaging: 500 g
Volume of product in packaging: 1.15 dm^3

• Technical characteristics

Power supply:
. all catalogue numbers except 6 616 37/38: 230 V∿ - 50/60 Hz
. 6 616 37/38: 110-127 V∿ - 50/60 Hz
Fitted with large-capacity automatic connection terminals (2 x 2.5 mm^2)
Class II: ⧈
Operating temperature: 0°C to +40°C
Remote control for setting to rest mode during intentional mains power breaks.
Remote control input terminals protected against connection errors.
Terminal for switching the luminaire on and off in the M/NM units.
Conforming to standards: EN 60598-2-22
Awarded ENEC EN 60 598 2-22 quality mark and AENOR quality mark
Product for surface mounting on walls or ceilings.

1. DESCRIPTION (CONTINUED)

• Materials

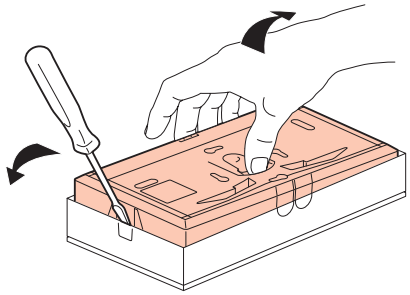


(A) Diffuser: opal polycarbonate, self-extinguishing 750° 30 s
(B) Reflector: white polycarbonate, self-extinguishing 850° 30 s
(C) Circuit board
(D) Soft PET protective cover
(E) Battery
(F) Removable base: transparent polypropylene, self-extinguishing 850° 30 s

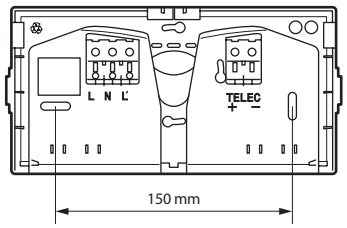
All plastic parts weighing more than 50 g are marked with their material type so that the materials can be recycled at the product's end of life.

2. INSTALLATION

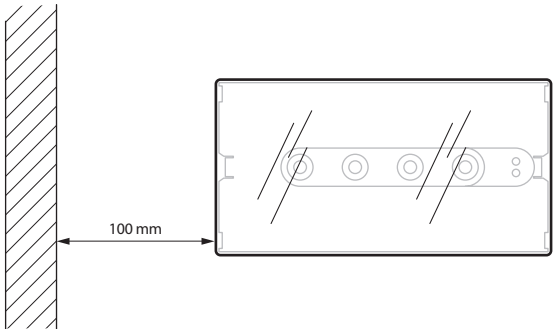
• Opening the unit



• Backpiece dimensions

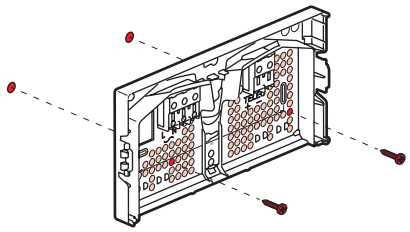


• Fixing the backpiece

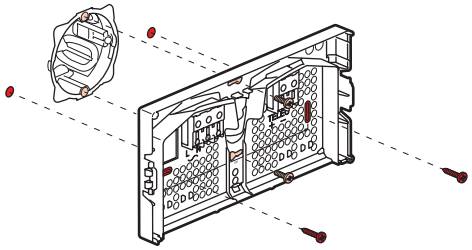


2. INSTALLATION (CONTINUED)

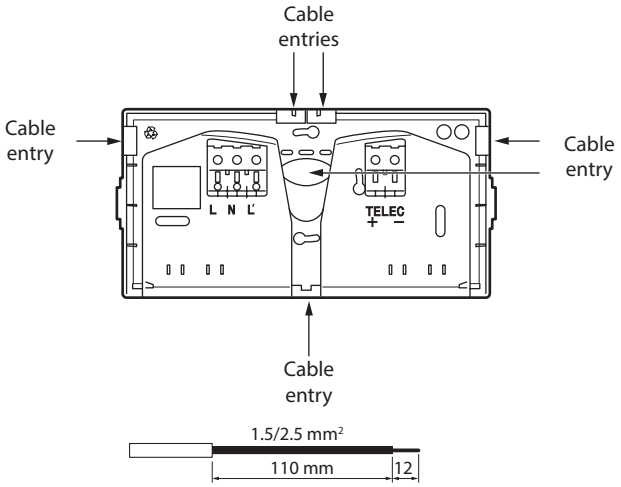
Fixing possible in the existing holes with different fixing centres using transparent slots. The backpiece can be fixed without needing to drill it first, simply screw it directly into the slots.



Fixing possible on a Ø 60 flush-mounting box:

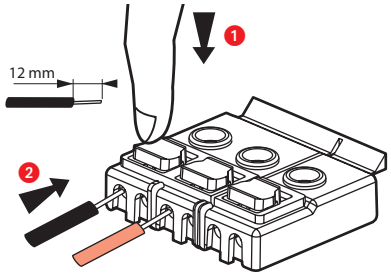


• Wiring



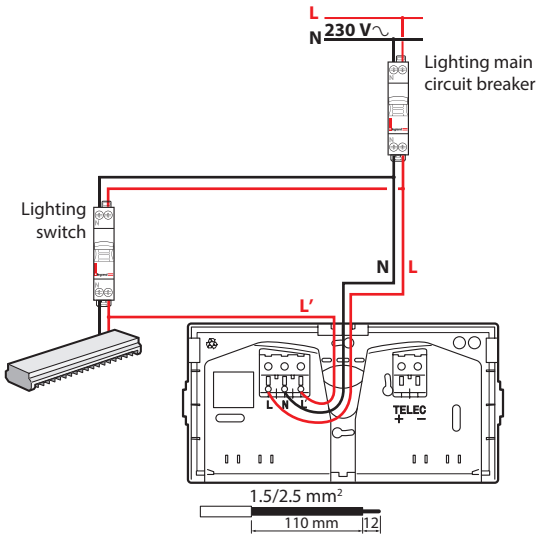
TELEC - Connection terminals: no particular direction of connection with Legrand remote control Cat. Nos. 0 039 00/01.
Terminal capacity: 2 x 2.5 mm²

• If wired with flexible wires

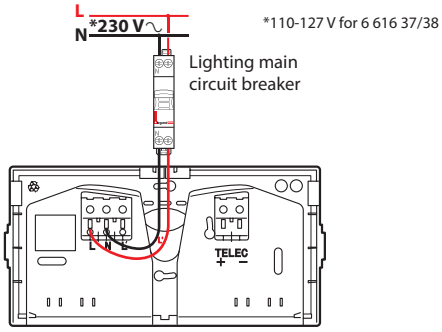


2. INSTALLATION (CONTINUED)

• Wiring in maintained mode

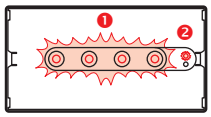


• Wiring in non-maintained mode



3. OPERATION

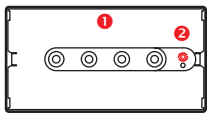
■ 3.1 Switch-on/standby state



Maintained

❶ The emergency LEDs come on (flux ≃100 lumens) if the L' terminal is supplied with power

❷ Luminaire green status LED on

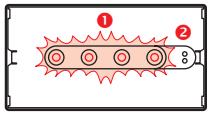


Non-maintained

❶ The emergency LEDs are off

❷ Luminaire green status LED on

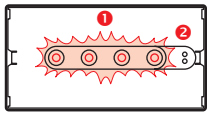
■ 3.2 Mains supply break/emergency operation



Maintained

❶ The emergency LEDs come on at the rated flux

❷ The green luminaire status LED goes off



Non-maintained

❶ The emergency LEDs come on at the rated flux

❷ The green luminaire status LED goes off

3. OPERATION (CONTINUED)

■ 3.3 Setting to rest mode via remote control Cat. Nos. 0 039 00/01 (except for 6 616 37/38)

After the normal lighting is switched off intentionally:
Pressing the ⊠ button sets the luminaire to rest mode to prevent the battery discharging.

Normal lighting switched back on:
The luminaire automatically returns to standby in its initial operating mode (M/NM).

■ 3.4 Testing standard luminaires

Standard luminaires can be tested by disconnecting the normal power supply:
- Luminaire switch-on is OK when the emergency LEDs are on
- The battery life is OK if the emergency LEDs stay on for the whole of the rated battery life time (1, 2 or 3 hours).

■ 3.5 Testing LVS luminaires

LVS luminaires incorporate two operating modes: self-testing mode and addressable mode.

Self-testing mode
LVS luminaires are factory-set in self-testing mode, so can be operated in this mode, without altering it.

Addressable mode
This luminaire can also be used on an addressable system. In this case, it must be addressed using infrared configuration tool Cat. No. 0 626 10 in accordance with the procedure described in section 6. It is then possible to control it remotely using the central control panel Cat. No. 0 626 00 (for more detailed information, see the addressable luminaires installation manual supplied with Cat. No. 0 626 00).

■ 3.5.1 Automatic checking of the luminaire status (self-testing system)

This luminaire automatically checks its operating status.
This operating mode is only available for LVS luminaires.

Once a week:
Switches to emergency state for 15 seconds and tests switch-on and the light sources.

Once every three months:
Switches to emergency state for the rated battery life time (1 hr; 2 hrs; 3 hrs) and tests the battery life.

■ 3.5.2 Result of automatic checks

LEDs	Luminaire OK	Battery fault	Electronic fault
Green	☼ (steady or flashing)	○	○
Yellow	○	☼ (steady)	☼ (rapid flashing)

The time of the tests is set at the time the luminaire is first switched on. The day of the test is chosen randomly in order to ensure that a minimum number of luminaires are tested at the same time.
The time at which all the luminaires are tested can be changed to the required time by simultaneously pressing the ☼ and ⊠ buttons on the remote control.

■ 3.5.3 Stopping a test in progress

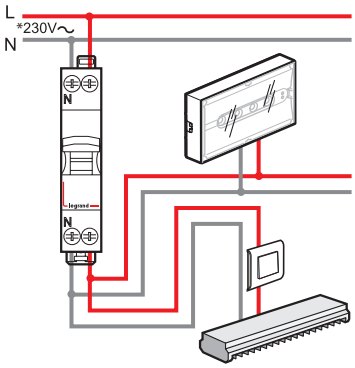
If a battery life test hinders operation, it can be stopped immediately. Press the OFF button on remote control unit Cat. No. 0 039 00. The test is stopped and postponed until the following day.

■ 3.5.4 Specific cases

When the unit has been switched off for more than 3 days, the tests are no longer carried out. The test cycle will resume after the unit is switched back on and the batteries have been recharged. The tests planned for the day the unit is switched back on are automatically postponed for 24 hours.

4. CONNECTION

■ 4.1 Connecting mains power to the self-contained luminaires

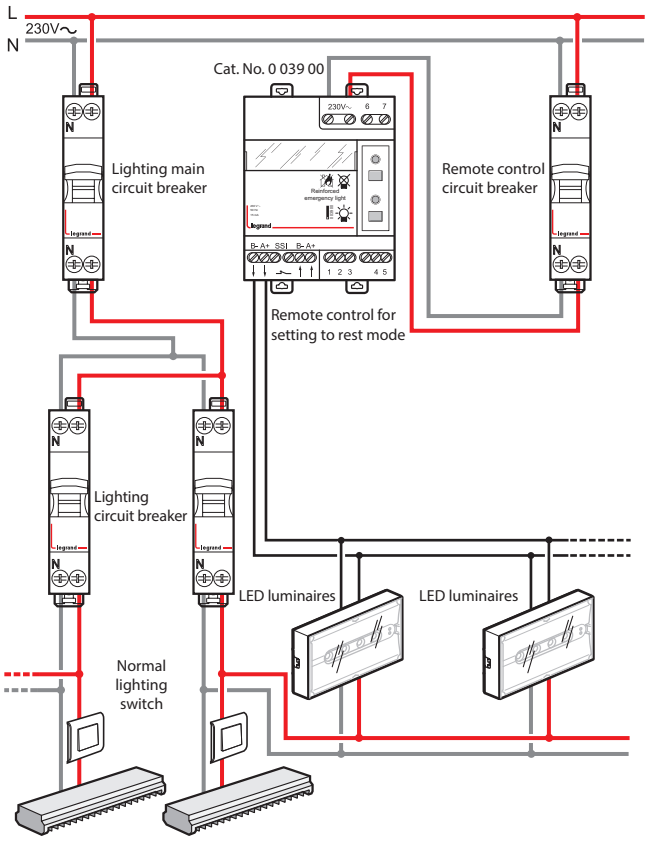


The branch can be joined in the electrical cabinet, on the switch or in a junction box.
The power supply to the luminaires is subject to the same rules as the luminaires (normal wiring).

The remote control polarity may not be correct on LVS luminaires if a Legrand remote control Cat. No. 0 039 00 or 0 039 01 is used. If another remote control is used, the polarity must be followed when wiring, and the switch-on or switch-off command must be maintained for at least 2 seconds.

*110-127 V for 6 616 37/38

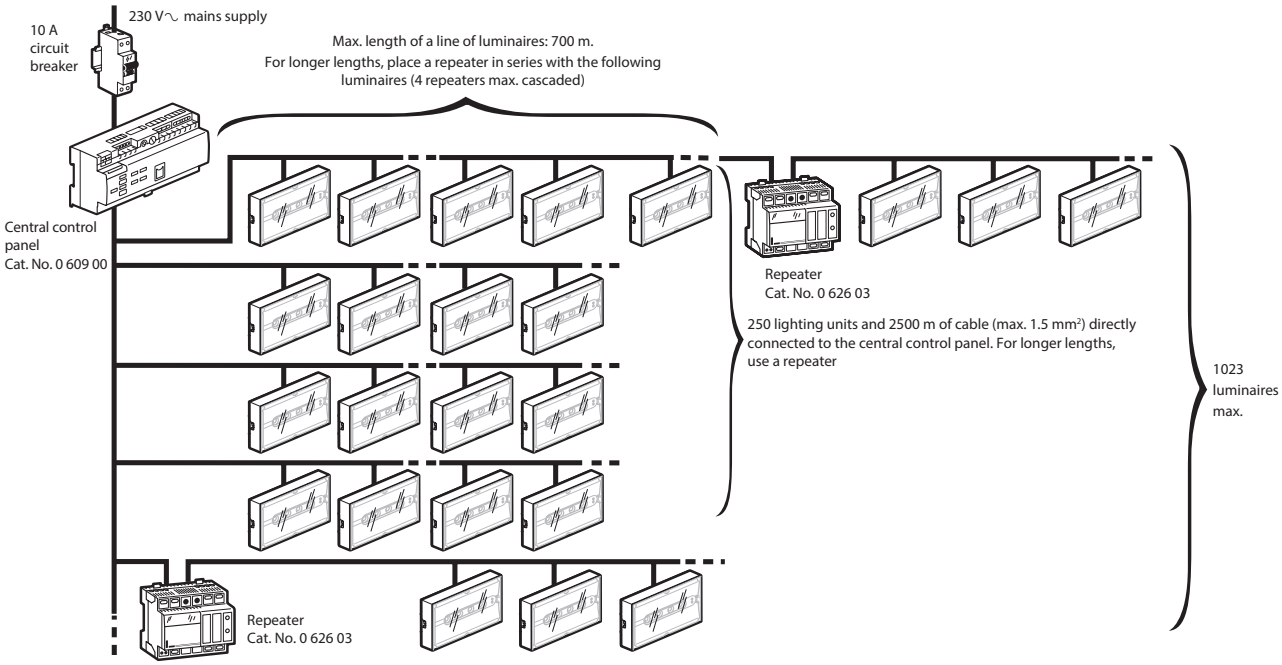
■ 4.2 Connecting the remote control



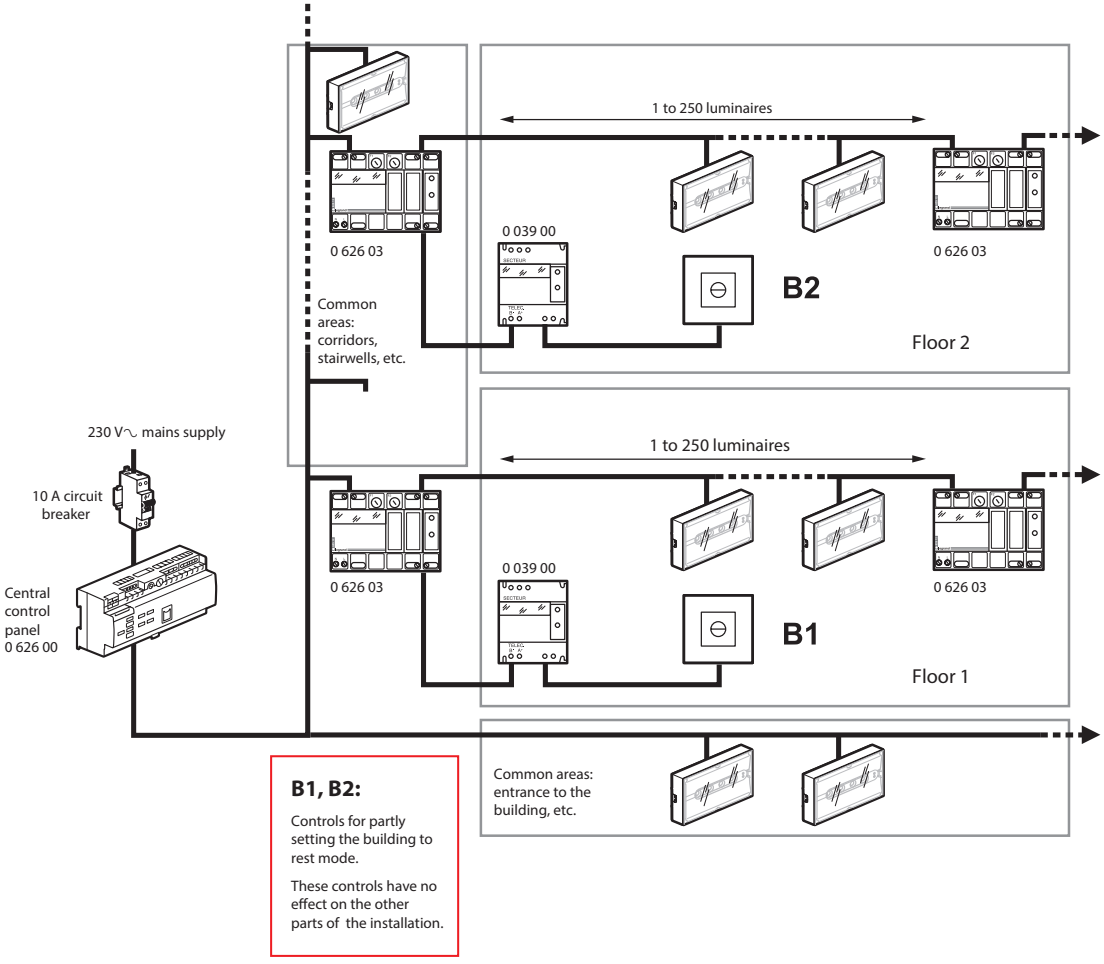
4. CONNECTION (CONTINUED)

■ 4.3 Connection for an addressable installation for LVS luminaires (Cat. Nos. 6 626 21/31/33/34/40/42)

Installation with general setting to rest mode



Installation with partial setting to rest mode



B1, B2:

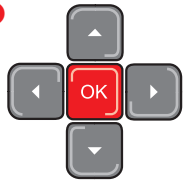
Controls for partly setting the building to rest mode.

These controls have no effect on the other parts of the installation.

5. ADDRESSING AN LVS LUMINAIRE WITH CONFIGURATION TOOL CAT. NO. 0 626 10

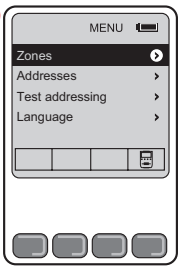
■ 5.1 Programming the address with the required configuration tool using the interface configuration software

❶



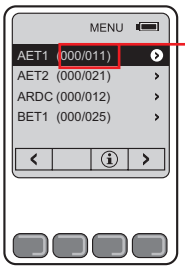
Switch on the configuration tool by pressing the OK button for 2 seconds.

❷



Select the Zones line on the main menu

❸

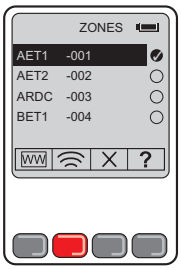


Indicates the number of luminaires in the zone and the number addressed: in this case 11 luminaires in this zone and 0 addressed.

Select the zone in which you want to address the luminaires.

5. ADDRESSING AN LVS LUMINAIRE WITH CONFIGURATION TOOL CAT. NO. 0 626 10 (CONTINUED)

❹



Explanation of the buttons:

WW Used to show the switch positions for switched luminaires.

Used to address the luminaire by pointing the configuration tool under it (the addressed luminaire emergency LEDs light up for 2 seconds).

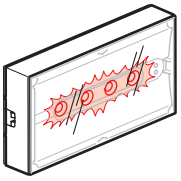
The luminaire must not have an address.

Used to clear addressing on the luminaire with this address. Address 0000 is used to clear addressing on any unit (the emergency LEDs light up twice for 2 seconds). This step is mandatory when changing the luminaire's address.

? Used to test the addressed luminaire (the luminaire emergency LEDs light up for 2 seconds to indicate that the luminaire contains the unit address and the standby LEDs go out to indicate that the luminaire does not contain the right address).

❺ The luminaire must be powered on.

Max. distance between remote control and luminaire from 0.1 to 2 m.

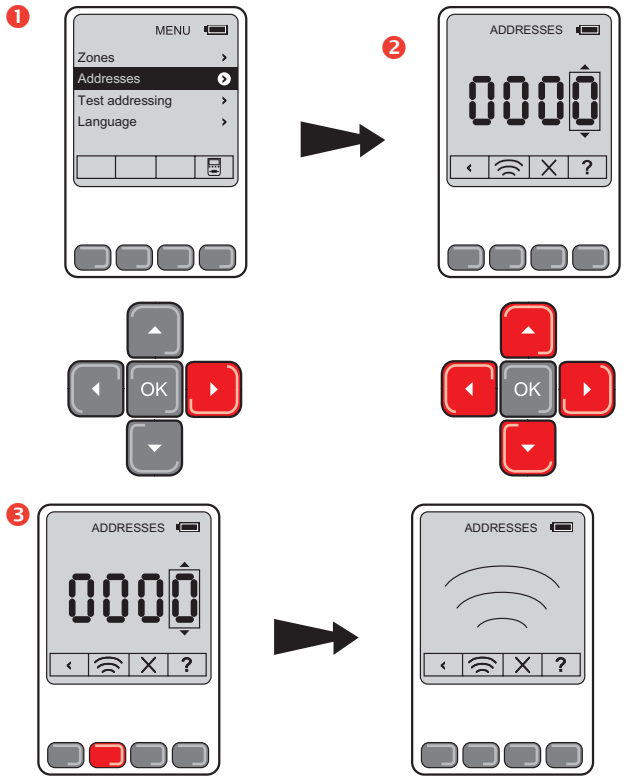


The luminaire has registered the address, so its emergency LEDs light up for 2 seconds.

5. ADDRESSING AN LVS LUMINAIRE WITH CONFIGURATION TOOL CAT. NO. 0 626 10 (CONTINUED)

■ 5.2 Programming a known address with the configuration tool

For example, address 0000.



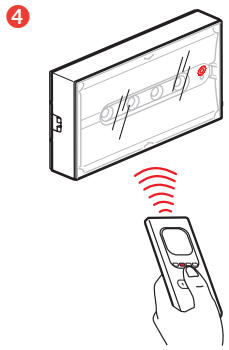
Explanation of the buttons:

Used to address the luminaire by pointing the configuration tool under it (the addressed luminaire's emergency LEDs light up for 2 seconds).

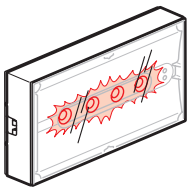
The luminaire must not have an address.

Used to clear addressing on the luminaire with this address. Address 0000 is used to clear addressing on any unit (the emergency LEDs light up twice for 2 seconds).
This step is mandatory when changing the luminaire's address.

Used to test the addressed luminaire (the luminaire emergency LEDs light up for 2 seconds to indicate that the luminaire contains the unit address and the standby LEDs go off to indicate that the luminaire does not contain the right address).



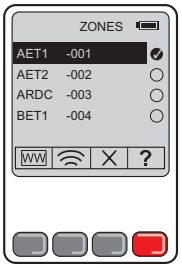
Max. distance between remote control and luminaire from 0.1 to 2 m.

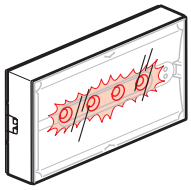


The luminaire has registered the address, so its emergency LEDs light up for 2 seconds.

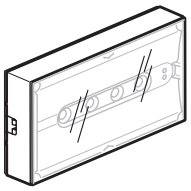
5. ADDRESSING AN LVS LUMINAIRE WITH CONFIGURATION TOOL CAT. NO. 0 626 10 (CONTINUED)

■ 5.3 Testing a specific address



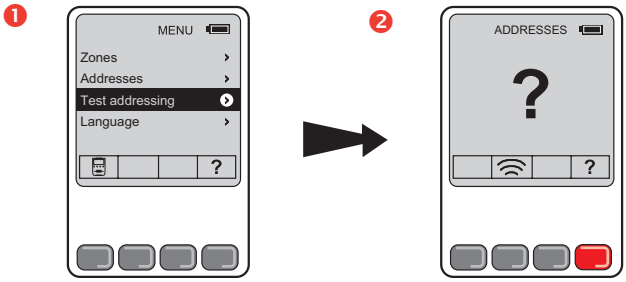


If the address in the luminaire is the address being tested, its emergency LEDS come on for 2 seconds.



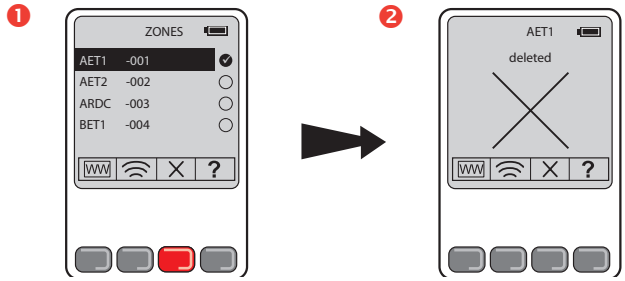
If the luminaire has another address or no address, the luminaire switches off its LED indicator.

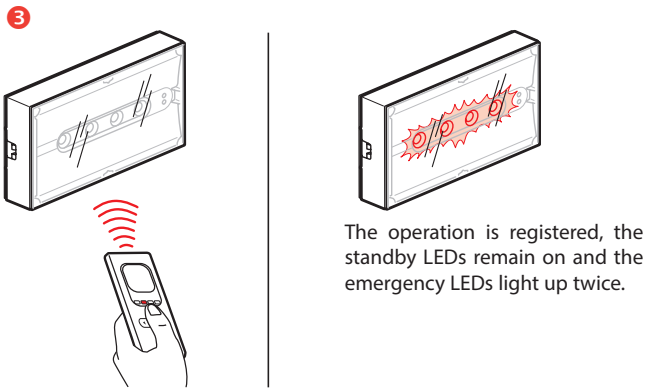
■ 5.4 Testing whether the lighting unit has been addressed



5. ADDRESSING AN LVS LUMINAIRE WITH CONFIGURATION TOOL CAT. NO. 0 626 10 (CONTINUED)

■ 5.5 Deleting a unit address





The operation is registered, the standby LEDs remain on and the emergency LEDs light up twice.

Max. distance between remote control and self-contained emergency lighting unit from 0.1 to 2 m.

6. PHOTOMETRIC DATA

The photometric data for all these luminaires is available in the Legrand Dialux plug-in which can be found on the Legrand website.

7. MAINTENANCE

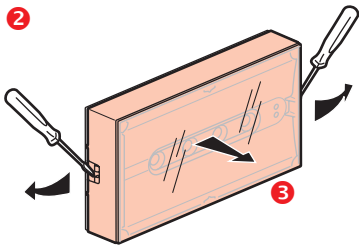
■ 7.1 Spare parts

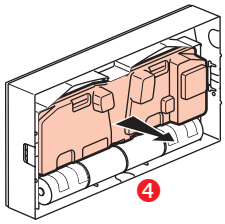
Luminaire Cat. No.	Battery	Spare battery Cat. No.
6 616 40/42 - 6 626 34/40/42	4.8 V 2 Ah Ni-MH	6 609 71
6 616 22/23/32/33 - 6 626 31	3.6 V 1.1 Ah Ni-Cd	6 609 72
6 616 24/34 - 6 626 33	4.8 V 1.5 Ah Ni-Cd	6 609 62
6 616 21/31	2.4 V 1.5 Ah Ni-Cd	0 610 92
6 616 20	2.4 V 0.8 Ah Ni-Cd	0 610 87

7. MAINTENANCE (CONTINUED)

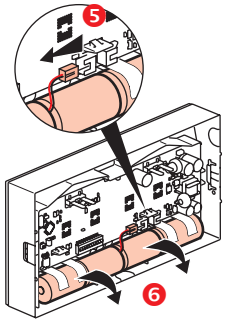
■ 7.2 Replacing the batteries

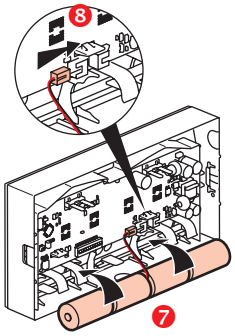
The batteries must be replaced when the self-contained luminaire can no longer stay on for its rated operating time.
Caution: The product must be switched off before dismantling.

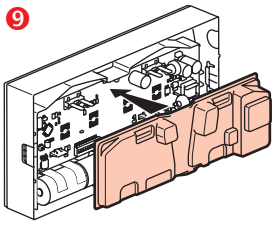




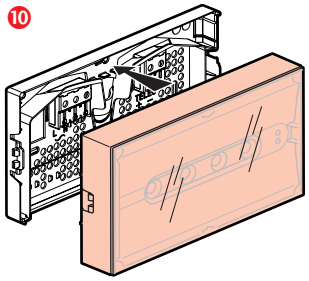
6 616 24/31/32/33
6 616 34/35/38/40/42







6 616 24/31/32/33
6 616 34/35/38/40/42



- **NB:** The LEDs cannot be replaced

Legrand distribution partners take back used luminaires and batteries. When the batteries have been changed, replace the maintenance label Cat. No. 0 609 00, marking on it the date on which the luminaire was returned to service.

8. COMPLIANCE AND APPROVALS

EN 60 598-2-22: European standard "Luminaires: specific rules. Luminaires for emergency lighting"
EN 60598-1: European standard "Luminaires".
EN 50172: European standard "Emergency lighting systems"
EN 1838: European standard "Lighting applications – Emergency lighting"
Products certified with the AENOR N mark

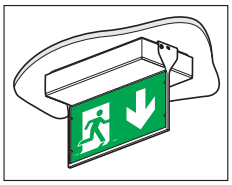
Electromagnetic effects: EMC

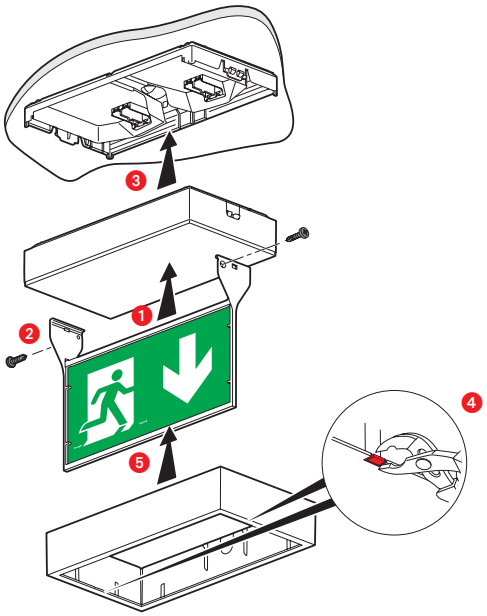
Emission
- EN 55015 (disturbance voltages)
- EN 61000-3-2 (harmonic measurements) class C
- EN 55022 (radiated interference) class B

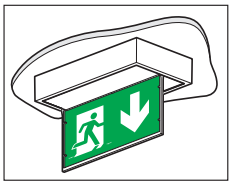
Immunity
- EN 61000-4-2 (electrostatic discharges) criterion B 4 kV (air)
- EN 61000-4-3 (radiated fields) criterion A 10 V/m
- EN 61000-4-4 (fast transients/bursts) criterion B 4 kV on network and 1 kV by coupling
- EN 61000-4-5 (lightning impulses) criterion B
- EN 61000-4-6 (conducted disturbances) criterion A
- EN 61000-4-8 (magnetic fields) criterion A
- EN 61000-4-11 (voltage dips and short interruptions)

9. EQUIPMENT AND ACCESSORIES

Decorative cover plate Cat. Nos. 6 616 54/55 and vertical sign plate Cat. No. 6 616 64

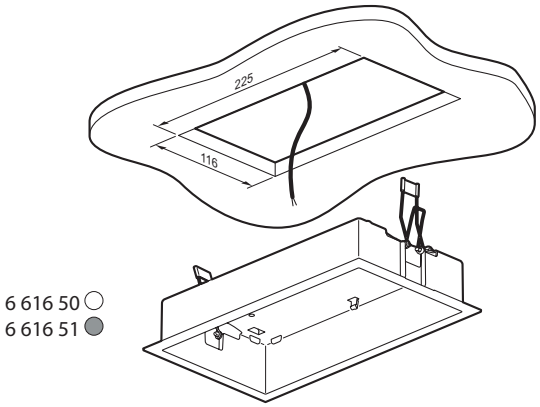


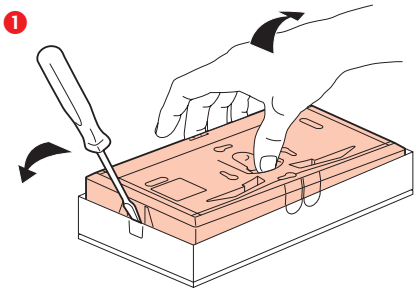


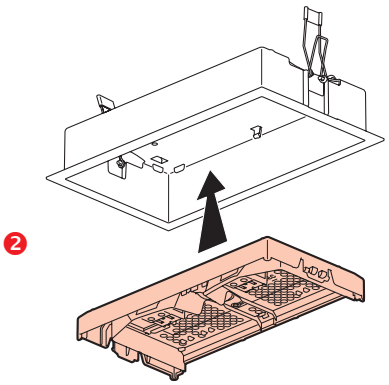


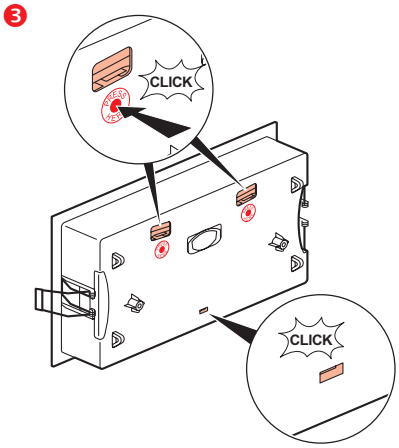
9. EQUIPMENT AND ACCESSORIES (CONTINUED)

Flush-mounting frame Cat. Nos. 6 616 50/51

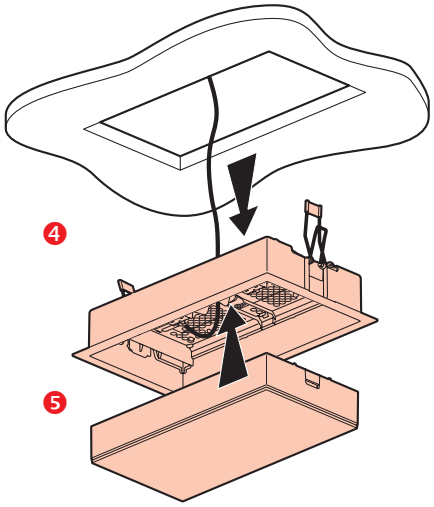


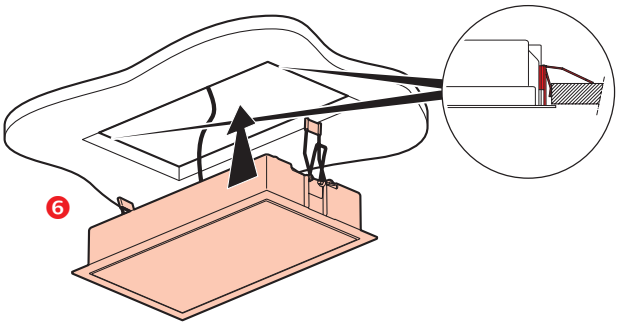






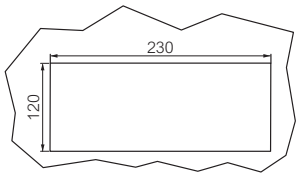
9. EQUIPMENT AND ACCESSORIES (CONTINUED)

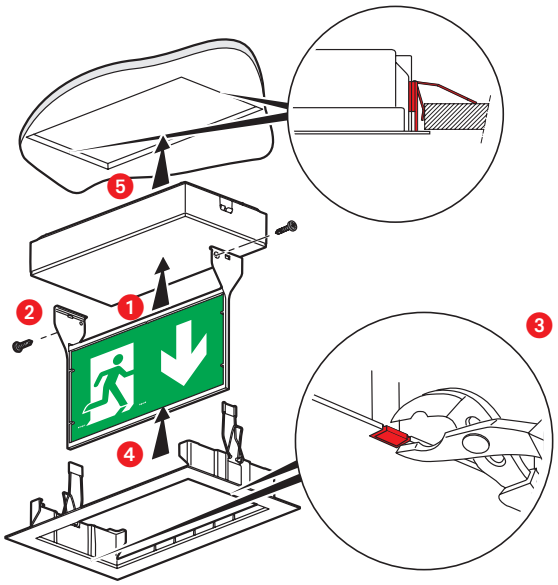




9. EQUIPMENT AND ACCESSORIES (CONTINUED)

Flush-mounting kit with vertical sign plate Cat. No. 6 616 65



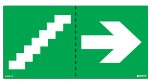


Self adhesive legend plates
- Conforming to standard EN ISO 7010:

6 616 70

- Other available solutions:

6 616 71



6 616 72

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