

5 OPERATION

SIMULATION OF A NORMAL POWER CUT-OFF:

This simulation can be run mains power connected by launching a duration test from TLU-type remote control box. If mains failure occurs during a test, SECURITY REMAINS PRIORITY: the test will restart once mains power is restored.

REST-MODE:

As a measure to prevent drain on the rechargeable battery cells and save battery capacity during a planned mains cut-off (of over 10 minutes), the installation should be put into rest mode. Switching to rest mode is done when mains is OFF by pushing the "Extinction" button on a TLU-type or TLU remote control box (see the user guide).

6 MAINTENANCE

The entire Emergency Lighting installation requires regular preventive maintenance and scheduled tests, as stipulated in the security regulations. Our advice is to regularly clean the basin and the reflector whenever the devices are given preventive maintenance. In cases where the unit does not meet the duty service time (1 hour), the rechargeable battery cells must be promptly replaced. The performance characteristics of the rechargeable battery cells are specified in "Technical features" section.



« Professional Waste Electronic and Electrical ("WEEE pro"), along with any Nickel-Cadmium, lead-based or Nickel-Metal Hydride rechargeable battery cells they are equipped with, represent an environmental and public health hazard ». They must be selectively collected, reprocessed, and recycled.

Collection, treatment process and recycling of COOPER SÉCURITÉ SAS (Groupe EATON) WEEE pro wastes and embedded battery cells are ensured free of charge by Récyllum.



For more information: www.recyllum.com

7 TECHNICAL FEATURES

References			Technical features						Reference standards				NiCd batt. cells authorized	Emergency lamps		
References	Order codes	Approval number	Rated voltage	Electrical class	Rated light output	IP rating	IK rating	Type (M/N/M)****	NFEN 60598-1	NFEN 60598-2,22	NFC 71801	NFC 71820	C 71820-1 (NFEN 62034)	NF ENVIRONNEMENT	Pack: 5x1.2V / 1.7Ah SFP1 50VCS	32 x LED 3,25V @0 mA
ULTRALED 400 DL***	LUM16042	T12001	230 V / 50-60 Hz	2	400	42*	08	M	x	x	x	x	x	x	x	x
ULTRALED 400	LUM16043	T11033	230 V / 50-60 Hz	2	400	42*	08	M	x	x	x	x	x	x	x	x
ULTRALED 400 DL ES***	LUM16046	T12002	230 V / 50-60 Hz	2	400	66	08**	M	x	x	x	x	x	x	x	x
ULTRALED 400 ES	LUM16047	T11032	230 V / 50-60 Hz	2	400	66	08**	M	x	x	x	x	x	x	x	x
RECESSED BASE	LUM10538															
SAFETY GUARD	LUM10419															
ANTI-THEFT SCREWS	LUM10490															
SAFETY HANGING SYSTEM	LUM10468															
BATTERY PACK	LUM11085															

*: To ensure an IP42 rating, mount the ULTRALED 400 with top cable entry equipped with a gland.

** : To ensure IK08 rating on ES version, mount the device using 4 anti-theft screws.

***: To enable DL function, see TLI user guide: user guide reference ZNO2028500

****: Measurements done in emergency mode without any pictogram.

8 WARRANTY

GENERAL WARRANTY TERMS:

COOPER SÉCURITÉ SAS (Groupe EATON) warranties these luminaires for a 2-year period (date of manufacture as proof), under the general terms set out below.

1 - Full warranty on parts and workmanship.

2 - Any defective luminaires shall be returned carriage paid to COOPER SÉCURITÉ SAS (Groupe EATON) - Parc Européen d'Entreprises II, rue Beethoven, 63200 RIOM - FRANCE.

Self-contained luminaires replaced or repaired under the terms of this warranty shall be shipped back carriage paid.

THE WARRANTY IS VOID:

1 - if the material has been transformed, modified or repaired outside of COOPER SÉCURITÉ SAS (Groupe EATON) workshops.

2 - if the defectiveness is due to misuse or inappropriate mounting.

COOPER SÉCURITÉ SAS (Groupe EATON) commits to ensuring consumables (lamps and batteries) continuity during 8 years from the last placing on the market date.

USER GUIDE

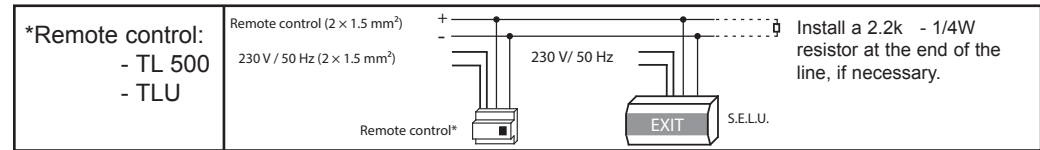
ULTRALED 400 Series



1 GENERAL INFORMATION

These self-contained luminaires feature non-polarized remote control inputs to facilitate installation and setup. These devices can be put on regulatory standby using TL500 or TLU remote control (to be added, where appropriate, to the legacy installation).

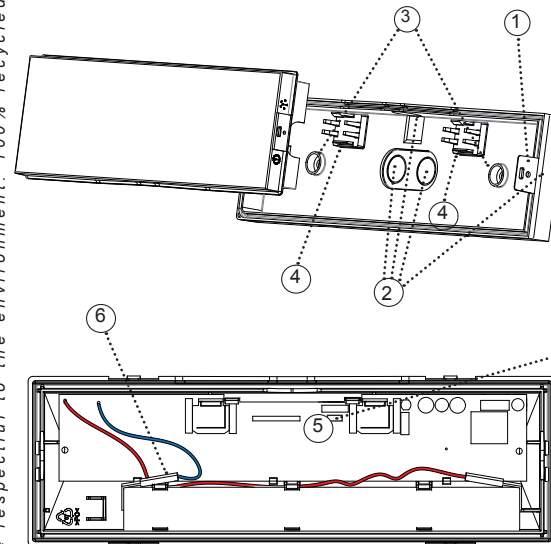
2 CONNECTION DIAGRAM



Ambient temperature = 25°C

3 MOUNTING AND CONNECTION

a ULTRALED 400

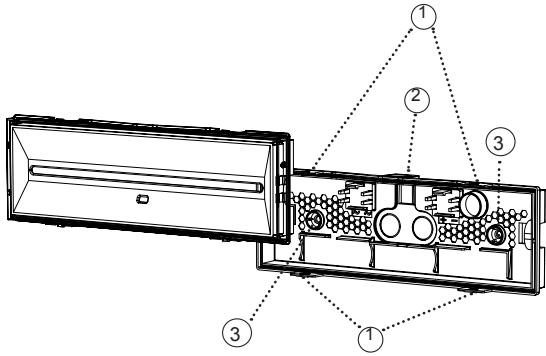


Note: Cable the self-contained luminaire using 1.5 or 2.5 mm² rigid wire.

- Lever up the side notches (1) to remove cover-reflector ensemble from the base.
- Break through the needed cable entry tap (2) on the base with a screwdriver. Then put a grommet in the opened cable entry.
- Fix the device base with Ø 5mm screws (not supplied) using the existing mounting holes (3) or the honeycomb.
- Cable up the device, following the indications engraved into the base (4).
- To set up duration tests mode use the even/odd DIP switch (5):
 - ON: odd;
 - 1: even.
- Plug in the battery connector (6).
- Mount the cover-reflector ensemble onto the base to close the device.

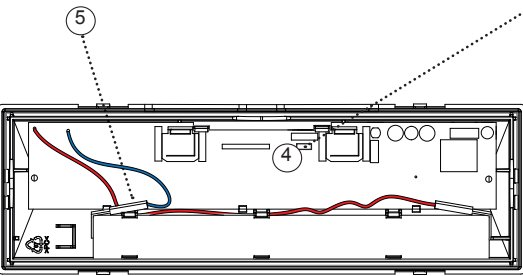
To be respectful to the environment: 100% recycled paper

b ULTRALED 400 ES



Note: Cable the self-contained luminaire using 1.5 or 2.5 mm² rigid wire.

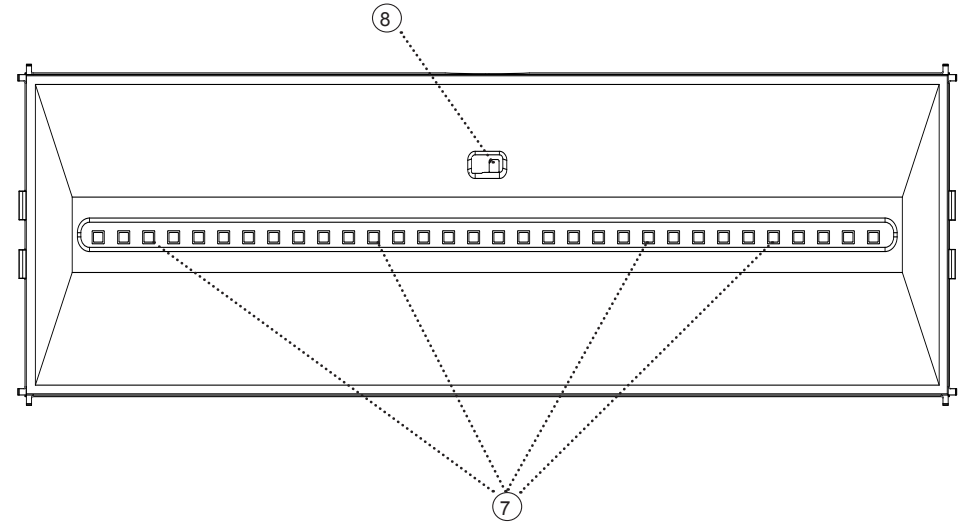
- Lever up the side notches (1) to remove cover-reflector ensemble from the base.
- Break through the needed cable entry tap (2) on the base with a screwdriver. Then put a gland in the opened cable entry.
- Cable up the device, following the indications engraved into the base.
- Check fiber washers (3) are in their places and attach the base with Ø 5mm screws (not supplied) using the existing mounting holes.



- To set up duration tests mode use the even/odd DIP switch (4) :
 - ON: odd;
 - 1: even.
- Plug in the battery connector (5).
- Mount the cover-reflector ensemble onto the base to close the device.

4 SYSTEM POWER-UP AND INSTALLATION

When powering up the self-contained luminaire, check restmode LED (7) and status LED (8) light up (in green or yellow: cf. results table).



Principle / Scheduling of automatic tests:

- Each device is equipped with a microprocessor that executes, as follows:
- **Continually:**
Battery charge and charging lamp tests.
 - **Every 7 days:**
Same tests as previous + check on the emergency LEDs + check on mains/emergency-mode changeover switching.
 - **Every 10 weeks:**
Same tests as previous + duration test.

Note: There is a one-week difference between an "even" setup luminaire and an "odd" setup luminaire.

Test configuration:

- The timing of tests can be setup in different ways:
- ♦ either by disconnecting the battery for 10 seconds then reconnecting it; or
 - ♦ by doing a reset using the TLU remote control box (see the TLU unit user guide).

Results (according to status LED):

Status LED	Luminaire status	Type of fault
Solid green	Conform	Fault-free
Slow blinking yellow	Fault mode	Faulty battery or charging lamps
Fast blinking yellow	Fault mode	Faulty emergency lamp(s)
Blinking green	Test in process	Fault-free
Alternating green and yellow blinking	Receiving input from the remote control	Fault-free