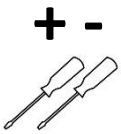
OAT / OAT2 Installation

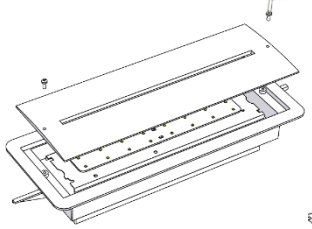
230-240V / 50-60Hz
Nominal Power: 3W
Ambient Temperature Range: 0°c to 25°c
Environmental Protection: IP65 (flush mounted), IP20 (exit sign)
Battery: 3.6 subC Nickel Cadmium 1500mAh

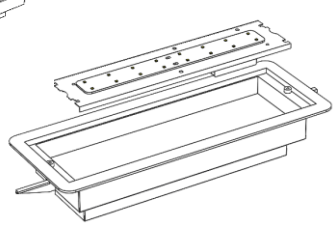


WARNING - THIS LUMINAIRE MUST BE EARTHED
This luminaire has been tested and is manufactured to comply with BS EN 60598: specification for general requirements and tests. It should be installed by a suitably qualified person in accordance with IEE.
CAUTION: there is a potential risk of electric shock from the LED boards when the product is operational with the cover removed.
NOTE: INSTALLATION AND OPERATION OF THE LUMINAIRE BEYOND ITS SCOPE OF SUPPLY WILL INVALIDATE THE WARRANTY.

1.

Remove the diffuser as shown.

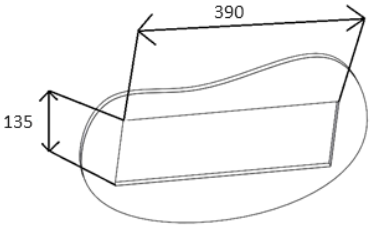


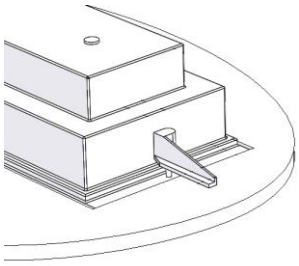


Unclip the gear tray and release it to access the terminal block.

2.

Create a cut-out in the ceiling and pass the luminaire through the hole.

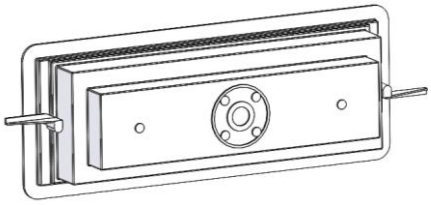




Adjust the retaining arm screws until the luminaire is securely located.

3.

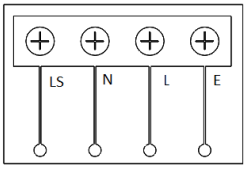
Remove a suitable cable entry knock-out and fix the luminaire to the mounting surface using screws.

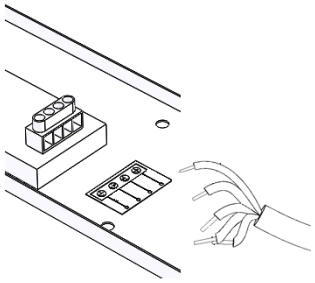


Maintain the IP rating with suitable fixings.

4.

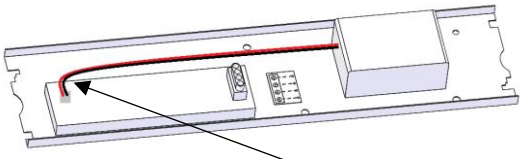
Bring the supply cables through the cable entry and connect.



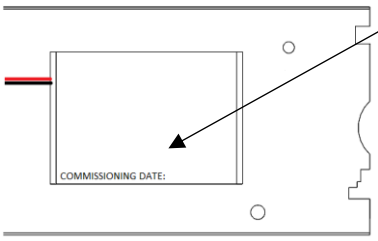


Ls is for the switched maintained supply if required. L, N & E are for the permanent mains supply or the supply for the 230V central battery version.
Note: If Ls is not connected the luminaire will operate in non-maintained mode.

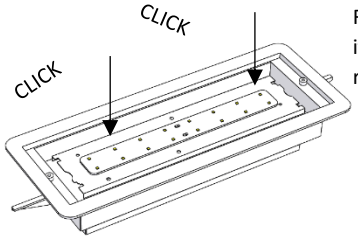
5.



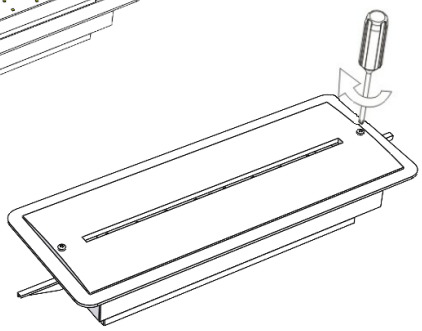
Connect the battery lead and fill in the **commissioning date** on the battery label.



6.



Replace the gear tray. Ensure it 'clicks' back into place and refit the gear tray screw.



Replace the diffuser and screws.

OAT / OAT2 Installation

Testing:
BS5266 requires that all emergency lighting installations should be regularly tested and the results be recorded. An appropriate test schedule is detailed below which will cover the recommended minimum assessments:
Monthly – luminaires should be put into emergency lighting operations for a period not exceeding one quarter of the rated duration. Each luminaire should be inspected for satisfactory LED starting and stable operation. When the normal mains supply is re-instated the maintained luminaire battery charge indicator should be on.
Annually – the monthly test should be carried out, but the luminaire should be operated for its full rated duration.

Note:
Ideally tests should be carried out at times where the building will not be reoccupied until the batteries have fully re-charged. Alternative methods can be used for automatic testing luminaires.
Failure to achieve rated duration after the corresponding recharge period indicates that the batteries have reached the end of their useful life and should be replaced immediately.

Operation:
The luminaire should be connected to the mains supply for a minimum of 24 hours before operating in emergency as the batteries need to be fully charged before they will provide their full rated duration.
(Note: DALI/Self-test luminaires have a self-commissioning mode which charges the battery, does a full duration and then re-charges the battery)

Safety Information:
The luminaires feature double/reinforced insulation. Batteries have a typical life expectancy of four to five years. Old batteries should be handled by specialist waste disposal experts, and under no circumstances should they be pierced or incinerated.

DALI/Self-test Luminaires Only:
The luminaire will adopt a self-test (automatic) mode if it is not connected to a DALI bus, or the DALI communication is missing. On completion of the self-commissioning check, the self-test program starts with the first function and duration tests being carried out after randomly generated delay times which will occur as shown below.
Delay time to initial function test randomly generated value between 0 and 7 days.
Delay time to initial duration tests occur after the test interval between 4 and 52 weeks.
Subsequent function and duration tests occur after the test interval settings as follows:
Function tests interval 7 days.
Duration tests interval 52 weeks.
DALI/Self-test luminaires will respond DAIL commands from a suitable control unit, and these commands can be used to initiate function and duration tests at prescribed times. The status flags for the luminaire are set after a test, for reporting and loggings of the times.

DALI /Self-test luminaire local bi-colour LED indicator status

Green LED	Permanently on	System OK/mains operation mode
	Slow flash	Duration test/commissioning
	Fast flash	Function test
Red LED	Permanently on	LED luminaire fault
	Slow flash	Battery/test failure
	Fast flash	Battery charging failure

Slow flash – a flash every 2 seconds, Fast flash – a flash every 0.5 second

EMERGENCY LIGHTING TEST RECORD CARD

LOCATION.... Date Installed... Installed by...

TEST		MONTH	YEAR 1		YEAR 2		YEAR 3		YEAR 4		YEAR 5	
			Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1	FUNCT											
2	FUNCT											
3	FUNCT											
4	FUNCT											
5	FUNCT											
6	FUNCT											
7	FUNCT											
8	FUNCT											
9	FUNCT											
10	FUNCT											
11	FUNCT											
12	3HOUR											