

# Installation & Wiring Instructions

## S/CBH/LED - Centrally Supplied Recessed Emergency LED

**PLEASE READ** THESE INSTRUCTIONS BEFORE COMMENCING INSTALLATION & LEAVE WITH END USER

### Description:

The S/CBH range is supplied as a complete ceiling recess emergency pack to power one of a range of dedicated emergency LEDs from a central battery or static inverter system.

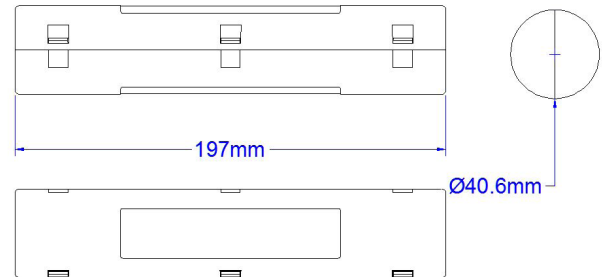
The S/CBH unit is designed as a centrally supplied luminaire (240V, 110V or 50V AC/DC) with a dedicated emergency LED, with the output held off whenever the 240V AC unswitched supply is present.

At the point the unswitched supply is broken, the driver will accept the feed from the central battery and drive the emergency LED 700mA.

This unit is for intermittent use only, if being used as a slave, this must be considered. The unit is not for permanent use.

### Specification:

Mains Supply Voltage	230-240 Volts AC 50/60 Hz
Input Current	6mA
Power Factor	1W $\lambda = 0.65$
Emergency Voltage	50V, 110V or 240V AC or DC
Emergency Current/Power	See Chart on Page 2
Ambient Temp.	0°C to + 35°C
Max Case Temperature	70°C
Input Cable	0.75mm Ferrules
Connection to LED	Via C201 Plug and Socket
Ingress Protection	IP20
Hold off Device	Solid State
Control Gear Dimensions	220mm x 40.6mm diameter
Aperture	43mm
Overall Weight	0.45Kg



S/CBH/LED/43/FL	115 ° Open Area Optic 237 lumen
S/CBH/LED/43/OA	135 ° Open Area Optic 268 lumen
S/CBH/LED/43/CO	155 ° x 115 ° Corridor Optic 266 lumen

### Warning

**Avoid running the CBH without the load connected. Failure to do so may result in damage to the LED.**

### Important

It is recommended that the product is installed by a competent person ensuring the installation complies with the necessary standards. Liteplan accept no responsibility for injury, damage or loss, which may arise as a result of incorrect installation, operation or maintenance.

**ISOLATE BOTH UNSWITCHED AND EMERGENCY SUPPLIES BEFORE INSTALLATION AND/OR MAINTENANCE**

### Installation

When installing this product, observe the following points:-

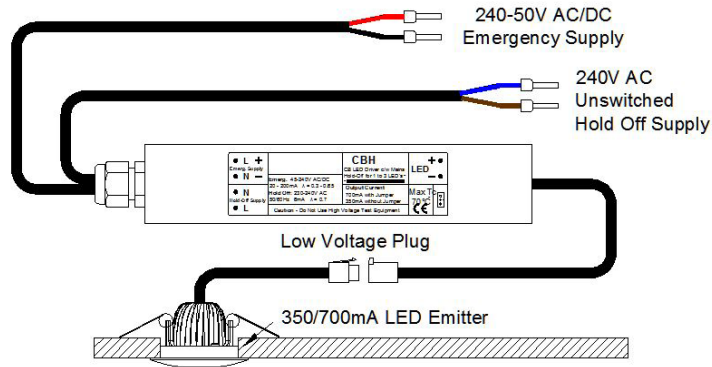
1. Cut a 43mm diameter hole in the ceiling tile.
2. Connect the LED to the main assembly via the 4 way connector.
3. Connect the 2 core permanent mains input cable as follows - Brown Unswitched (Battery Charging) 240V and Blue to Neutral.
4. Connect the 2 core central battery to the Red and Black Battery Supply ferrules. Red for Live/+ and Black for Neutral/-.
5. Pass the whole assembly through the 43mm aperture and clip the LED housing into the ceiling.

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Typical Wiring Diagram



### Power Consumption

Supply Voltage	Output Current (mA)	Output Load	Supply Current (mA rms)	Supply Power (W)	Supply Power Factor	Supply VA
240V AC	700	1 x LED	36	3.60	0.41	8.8
240V DC			14	3.36	-	-
110V AC			54	3.50	0.58	6.1
110V DC			30	3.30	-	-
50V AC			135	4.40	0.65	6.9

<b>Luminaire Ref/Location</b> .....	<b>In Case of difficulty, contact the Installation Engineers:-</b> ..... Tel:.....									
Full Recharge Time 24 Hours	Duration 3 Hours			Lamp Type - LED						
<b>ROUTINE TEST RECORD</b>										
	Year 1		Year 2		Year 3		Year 4		Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
Functional										
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Functional										
Three Hour										