

TECHNICAL SUPPORT

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<http://www.whitecroflighting.com>

WARNING: TO AVOID INJURY, KEEP FINGERS CLEAR OF SPRINGS WHEN REMOVING LAMP HEAD FROM CEILING

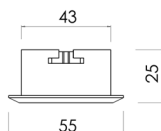
Specification – FLH31

Supply Voltage: 230Vac \pm 10% 50/60 Hz
Supply Current: 35mA @ 230V ac
Ambient Temperature: 0°C to +35°C
Max Case Temp (tc): 65°C
Conductor size: 0.5 – 1.5mm²
Weight of Control Gear: 256g (incl. battery)
Weight of Lamphead: 50g
IP Rating of Luminaire: IP30
Average Lumen output: 280lm

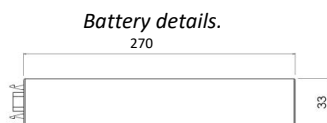
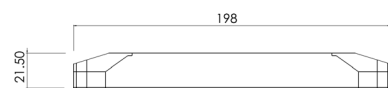
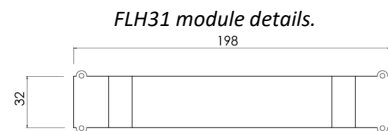
Specification – FLH31/CB

Central Supply Voltage: 93-265V dc/ac
50/60Hz
Central Supply Current: 35mA @ 230V ac
Central supply output current: 700mA
Ambient Temperature: 0°C to +45°C
Max Case Temp (tc): 75°C
Conductor size: 0.5 – 1.5mm²
Weight of Control Gear: 54g
Weight of lamphead: 50g
IP Rating of Luminaire: IP30
Average output (Lumens) 280lm

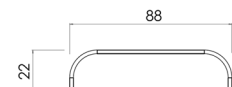
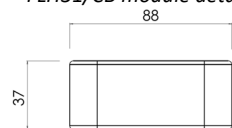
For Photometry refer to
www.whitecroflighting.com



Please note: All images shown are for illustration purposes and should be used only for reference.



FLH31/CB module details.



GENERAL INFORMATION

- 1) A qualified electrician, in accordance with IEE wiring regulations, should carry out connection to mains wiring.
- 2) Ensure that the rated voltage and frequency requirements are compatible with the available mains supply.
- 3) Cleaning of lenses should be carried out using clean, soft and lint free cloths and anti-static cleaning fluid.
- 4) Do not carry out high voltage insulation test, i.e. 500/1000v this may damage internal components.

SAFETY INFORMATION

The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0.24m is not expected.

Whitecroft
lighting

Florin E3 High Output Installation Leaflet



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Registered No. 3848973 England

Registered Office: As above

May 2019 - Rev B

General Description

Florin E3 is a range of stand-alone LED emergency lighting kits incorporating driver and battery pack in a plastic housing. The lamphead assembly, connected via a 500mm wiring loom, contains a high-power white LED and indicator LED for emergency use only.

The LED control gear has reinforced insulation between the supply and the battery circuit, and a battery charger with short circuit protection that will continue to operate when the short is removed.

Batteries (where applicable)

The luminaire includes a 1.5Ah rechargeable LiFePO₄ battery pack for 3 hour operation. When the luminaire no longer meets 3 hours duration replace the batteries, observing the battery polarity.

Permanent damage to the control gear will occur if they are reversed.

Relevant Standards

EN 61347-2-7	Lamp control gear
EN 61347-2-13	LED control gear
EN 60598-2-22	Luminaire

IMPORTANT:

Please ensure that the information contained in this leaflet is passed on to the user/maintenance engineer.

Mark the luminaire with the date of commissioning in the space provided on the label.

When the supplies are connected, the mains connector cover should be screwed into place to prevent electric shock.

The LED is non-replaceable. Contact Whitecroft Lighting in the unlikely event of a failure.

Operation – integrated battery versions

Upon connection of a permanent mains supply the indicator LED lights green to show the battery is receiving charge. Following an initial charging period of 24 hours the unit will be capable of providing 3 hours emergency duration.

Operation – central battery

When power is supplied to the Driver Supply inputs, the high-power LED will light.

Installation

The luminaire must be installed by a qualified person in accordance with the current building and wiring regulations. Luminaires comply with the EMC directive in both modes of operation, mains and emergency.

A Ø45mm hole should be cut in the ceiling prior to installation. This product is suitable for ceiling thicknesses of 10-25mm. Where installing into thin or soft ceiling tiles, an additional pattress may be required to ensure that the lamphead fits securely. This should be a support panel, to be fitted behind the ceiling, cut from suitable sheet material with a hole drilled to match the luminaire installation aperture (by others).

The minimum ceiling void is 175mm based on 10mm ceiling tile.

To Install

1. Remove the mains supply clamp/cover from the incoming mains connector by undoing the 2 screws.
2. Feed the mains supply cable through the cut-out in the ceiling and connect to the control gear terminal block as follows:

L – Un-switched Live
N – Neutral
Lin – Switched Live (required for maintained operation)
3. Replace the cable clamp/cover and tighten the 2 screws.
4. Connect the battery and fill in the commissioning date on the battery label.
5. Feed the emergency control gear through the ceiling and fix the lamphead assembly into the ceiling using the 2 springs.

Please note: All images shown are for illustration purposes and should be used only for reference.