

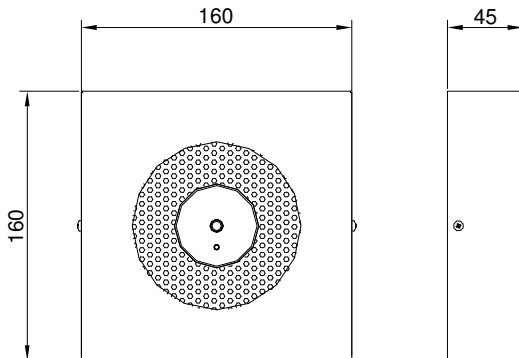
## **INSTALLATION INSTRUCTIONS** **SPRITE**

Refer to website [www.philippayne.co.uk](http://www.philippayne.co.uk) for specific data

### **Description**

LED Downlighter, consisting of an LED driver(s) and battery pack(s) in a square or rectangular housing, with a wiring loom to the lamphead(s) assembly(ies) that contains the high power white LED(s) and indicator LED(s) for emergency use only. (Maintained versions available.)

### **Luminaire Dimensions (mm)**



### **Specification**

Supply Voltage	230Vac $\pm$ 10% 50/60 Hz
Supply Current	30mA max
Ambient Temperature	0°C to +25°C
Max Case Temp (Tc)	70°C
Conductor size	0.5 – 1.5mm <sup>2</sup>
Mounting Screws	M4
Weight of fitting	920g (incl. battery)
Average Lumen Output	148lm
IP Rating of Luminaire	IP20

### **Batteries**

The luminaire includes a 2.2Ah rechargeable NiMH battery pack for 3 hour operation. Batteries must be replaced when the luminaire no longer meets 3 hours duration.

### **Relevant Standards**

EN 61347-2-7	Lamp controlgear
EN 60598-2-22	Luminaire
BS5266-1:2005/IEC62034	Automatic Testing

### **Warranty**

This product is guaranteed for three years and covers faulty workmanship and materials. The guarantee on the NiMH batteries is one year. This "Return to Base" warranty requires that the product is used within the terms and conditions stated above, in our literature and on our website. Products returned to us under warranty must be carriage paid. Philip Payne Ltd. Accept no liability for costs incurred.

### **IMPORTANT**

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

### **Electrical Installation**

Luminaires comply with the EMC directive in both modes of operation, mains and emergency. The black battery lead should be connected only at the time of commissioning. Remove cover, and connect the permanent mains supply to USL & N.

For the maintained version connect a 'switched live feed' to the SL terminal, or link the USL / SL connections if the fitting is to be constantly on.

### **IMPORTANT**

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

### **Operation**

The luminaire automatically tests the performance of the emergency luminaire in accordance with BS5266-1:2005 and IEC62034.

### **Automatic Operation -**

#### **Commissioning Test**

Connection of the mains supply will initiate commissioning where the battery will remain on charge for an uninterrupted 24 hours. An interruption of the mains supply will reset the counter to zero. After 24 hours the luminaire will be put into a duration test for the rated period, immediately followed by another 24hr charge period.

If the mains supply is to be interrupted for more than 7 days, then the battery MUST be disconnected.

#### **Functional Test**

A 30 second functional test is carried out at 30 day intervals. This test can also be initiated manually by switching the mains supply OFF/ON twice within 5 seconds.

#### **Duration Test**

A full rated duration test is carried out automatically at yearly intervals.

Note that start times of the tests are set automatically to ensure random testing of the units.

#### **LED Indicator**

A bi-colour LED indicates the status of the module as follows:

Green	10 second 'pulse'	Normal standby mode
	Slow flash	Commission mode or Duration Test in progress
	Fast flash	Functional Test in progress
Red	Slow flash	Charging or battery fault
	Fast flash	Lamp fault

Note: Slow flash = 0.5Hz, Fast flash = 2.5Hz

#### **Audible Alarm**

An audible alarm will sound if a fault is found during test and will continue to give 3 beeps every 35 minutes until the fault is rectified and the unit is reset.

#### **User Reset Facility**

A recorded fault condition may be cleared by switching the permanent supply OFF/ON twice within 5 seconds. A Functional Test is then carried out automatically to verify correct system operation.

#### **Dali Communications Option (SPRTO03DS ONLY)**

This allows two-wire DALI communication between the luminaire and a central monitoring system. Connect the Dali cables into the terminals labelled Da /Da

#### **Potential-Free Contact Option (SPRT003PS ONLY)**

NC (normally closed) terminals are provided for connection to a remote monitoring system (contacts open in the event of an alarm).

Contact Rating	24V ac or dc, 20mA
Max ON Resistance	3 Ohms

### **IMPORTANT**

NC terminals are not SELV rated and must not be connected to SELV circuits. Wiring to the "NC" terminals must be in accordance with mains wiring and isolation requirements.

