

## Installation Instructions



The Chamaeleon™ III is a self-contained LED luminaire available in Standard and Emergency versions. The light operates in 2 modes: Standby Mode and Full Light Mode. When movement is detected in proximity to a Chamaeleon the light operates at full output for a set period of time. The light then slowly fades to Standby Mode. The integrated daylight sensor can be used to keep the light at standby level during daytime.

**Timer & full/standby light levels can be adjusted using the Chamaeleon III smartphone app.**

**Download links and information here:** [www.enlighten.com.au/smart-control/chamaeleon-3-control-app](http://www.enlighten.com.au/smart-control/chamaeleon-3-control-app)

**New: Integrated daylight sensor. Daylight sensor can only be adjusted manually inside the fitting. See details on next page.**



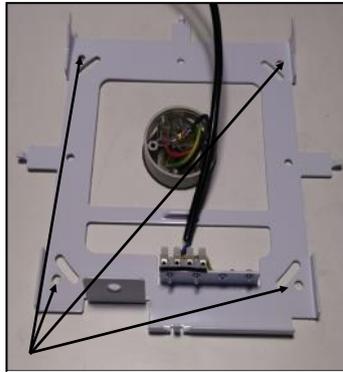
All electrical work must be carried out by a qualified Electrician in accordance with the latest wiring regulations.

**The emergency light cannot be switched. It requires a permanent electrical supply so that the batteries are not cycled unnecessarily. If the light is left disconnected from mains power for extended periods, the battery may be damaged.**

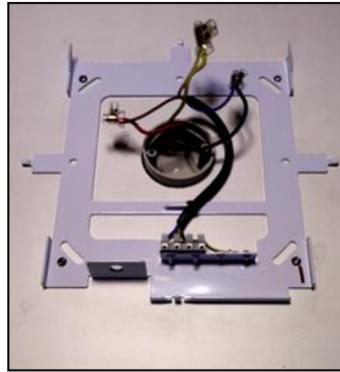
Do not touch the LEDs during installation or maintenance. Light must be operated within its specified operating parameters and in accordance with our warranty requirements. These documents are available on our website.



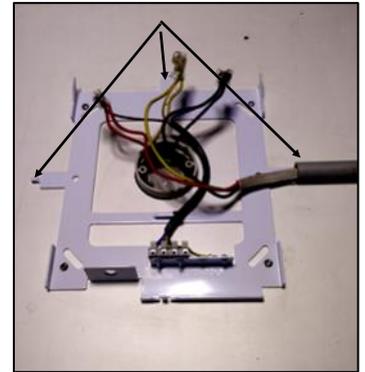
1. Place the light on a soft surface to avoid scratching the diffuser. Using the key taped to the body of the light, remove the base by turning the key and pulling on the barrel lock.



2. Mount Smart-Connect base by fixing it to the ceiling at all four corners. Minimum size fixing: 6.5mm. If fixing to plasterboard use 4 hollow wall anchors.



3. Connect the Smart-Connect base wiring to the light circuit wiring of the building.



3a. The conduit locator tabs can be used to hold the conduit in the correct position. Standard conduit size is 20mm. For 25mm conduit a reducer is required.

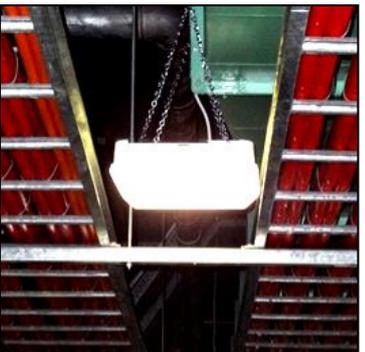


4. Place Smart-Connect Base plate hinge tabs into slots located at opposite end to barrel lock. Align the electrical connector terminal pins on the light fitting to the terminal block sockets on the base.

Once aligned, press the light upwards to connect. Do not force the light into the base terminal without aligning the pins and clicking the hinges as the pins may snap. Push barrel lock in to secure.



5. Alternatively the fitting can be suspended from the ceiling. A Smart-Connect Base plate with a 3m flex & plug suitable for hanging is available for purchase separately from enLighten Australia. Attach the chain to the base plate (as shown above) and plug the 3pin plug into a power socket or hardwire it into a junction box.



Once installed, the Chameleon can be easily detached from the Smart-Connect base without disconnecting the power, making it easy for maintenance or light replacement.

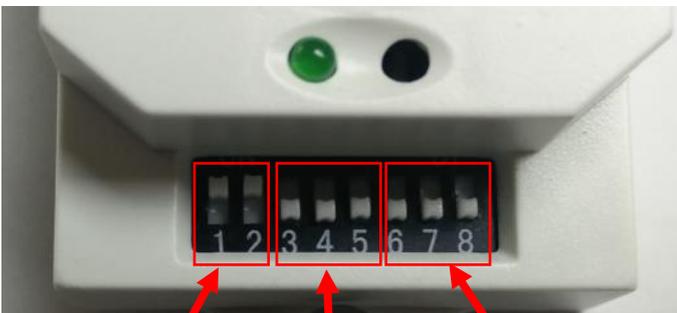


**NOTE: The terminal block remains live and should not be left unattended without a Chamaeleon light attached.**

## Adjusting the microwave sensor settings

The microwave sensor is an *active motion detector* that emits a high frequency electro-magnetic wave (5.8GHz) and receives its echo. If it is necessary to check or adjust the microwave sensor settings to suit local conditions, remove the diffuser with a hexagonal / Allen key and adjust settings to suit.

*NB The factory settings of the microwave sensor are suitable for most applications and the preferable method of setting the time is via the Chamaeleon III App.*



Detection range (S1, S2)

Time (S3, S4, S5)

PE cell (S6, S7, S8)

### Range/ Sensitivity

Range is the radius of the motion detection zone around the Chamaeleon. Adjust to a lower value if the fitting is detecting movement outside the desired detection area. Factory setting: **10m**

Range		
Dipswitch ->	S1	S2
2m	OFF	OFF
5m	OFF	ON
8m	ON	OFF
<b>10m</b>	<b>ON</b>	<b>ON</b>

### Time on full light

Time the fitting stays on full light before dimming down to the standby light level.

**If the Chamaeleon III App is used to adjust the timer setting, it is important that dipswitches 3,4&5 are left in the OFF position (10s).** Factory setting: **10s**

### Time on full light (Leave at 10s, use Chamaeleon III app to adjust time)

Dipswitch ->	S3	S4	S5	Dipswitch ->	S3	S4	S5
<b>10s</b>	<b>OFF</b>	<b>OFF</b>	<b>OFF</b>	50s	ON	OFF	OFF
20s	OFF	OFF	ON	1min	ON	OFF	ON
30s	OFF	ON	OFF	2min	ON	ON	OFF
40s	OFF	ON	ON	5min	ON	ON	ON

### PE cell/ daylight sensor

When the daylight sensor is enabled, the fitting will **stay on standby level** when there is sufficient natural light in the area. The fitting will not react to movement during this time. When light levels drop, the motion sensor is active and the fitting will switch to full brightness when motion is detected. A value of 50lux is suitable for most applications.

If this function is not desired, leave dipswitches 6, 7&8 in the OFF position.

Factory setting: **24h/OFF**

### PE cell/ daylight sensor

Dipswitch ->	S6	S7	S8	Dipswitch ->	S6	S7	S8
<b>24h/OFF</b>	<b>OFF</b>	<b>OFF</b>	<b>OFF</b>	100 lux	ON	OFF	OFF
10 lux	OFF	OFF	ON	200 lux	ON	OFF	ON
20 lux	OFF	ON	OFF	300 lux	ON	ON	OFF
50 lux	OFF	ON	ON	500 lux	ON	ON	ON

## Confirming battery status (Emergency only)

For emergency versions, the **Charge LED** will indicate battery status and will be visible through the diffuser. On light start-up the indicator light is light blue and then, after 60 seconds, the red or green show the condition of the battery.

-  Light Blue—warming up light
-   Solid Green or Red — OK
-   Flashing Green & Red — **battery not connected/faulty**
-  No light — fitting is faulty

## Battery self-test function

The Chamaeleon emergency light is programmed to automatically conduct a monthly 90 minute discharge test. The test does not disrupt the light's normal operation.

The monthly discharge test result is visible via a single multi colour LED indicator, located under the diffuser.

Indicator colour	Light Operation
Solid blue /violet	 Testing in progress (90 mins)
Flashing blue / violet	 Recently tested and complies* Normal state awaiting next discharge test
Flashing yellow	 Tested and failed due to faulty LED's
Flashing red	 Tested and failed due to battery

\*Following a successful discharge test, the blue flashing light indicator will be mixed with a solid green or red light to show battery charge status (red - charging, green—charged)

## Commissioning the discharge test

A single 120 minute emergency light commissioning test will be automatically conducted post installation after the battery has charged for 24 hours.

The LED indicator will display as solid red during the initial battery charging 24 hr period, before changing to solid green to indicate that the battery is fully charged and ready for the automatic commissioning test.

The commissioning test result options will be the same as for the monthly 90 minute discharge test (see table above)



To replace the battery, open the battery drawer and unplug the red in-line connector and connect the new battery to the red in-line connector.