



enLighten

## Fire Stairs/Car Park Luminaire

UP TO

93%

ENERGY SAVINGS

Fluorescent & LED Replacement

# Chamaeleon™ III



smartphone app  
& optional daylight sensor

Award winning sensor luminaire designed specifically for Car Parks and Fire Stairs

Designed in Australia for Australian conditions, the Chamaeleon III has revolutionised the lighting for low occupancy spaces. Designed for Car Park and Fire Stairs, this luminaire has a well-known reputation for delivering reliability, maintenance and energy saving benefits.

These key features were developed and sourced from user feedback across over 1500 project installations nationally.



## OPTIONS AND BENEFITS

- **Emergency & non emergency** options available
- **Ease of installation** - with smart connect base
- **Cham App available for Android/iOS** - Easy commissioning, allowing flexible light setup
- **Battery self-test** - Reducing commissioning time during installation
- **External accessible drawer** for easy battery replacement
- **IK10** - Highest level of impact resistance
- **Vandal proof skirt** available
- **Maximise energy savings** through the inbuilt microwave sensor and daylight sensor
- **Automatic monthly self test** to reduce emergency compliance testing costs
- **Adjustable** full and standby lighting levels
- **Australian design**
- **7 year warranty**

## APPLICATIONS



CORRIDORS



FIRE STAIRS



PLANT ROOMS



STORE ROOMS



UNDERCOVER CARPARKS

## FEATURES



APP CONTROL



AUSTRALIAN DESIGNED



CEILING MOUNT



DAYLIGHT SENSOR



EMERGENCY



IMPACT RATING



INGRESS PROTECTION



INGRESS PROTECTION



MICROWAVE MOTION SENSOR



SAFETY COMPLIANCE



SELF TEST



VANDAL PROOF SKIRT



7 YEAR WARRANTY

## PRODUCT RANGE

Model #	Description	Lumen output range			Rated Power (W)		Average consumption <sup>3</sup> (W)
		Full light output (lm)	Full light range (%)	Standby light range <sup>1</sup> (%)	Full light	Standby <sup>2</sup>	
CHAM-C	Ceiling mount standard	3500	40 - 100%	1 - 90%	42	4	6
CHAM-C-E	Ceiling mount emergency	3500	40 - 100%	1 - 90%	43	5	7





For IP65 models add "-IP" to the order code.

1. % of full light output;
2. on default setting of 2.5% standby light output;
3. Based on 5% occupancy over 24 hour period

## BATTERY SELF TEST FUNCTION (MONTHLY DISCHARGE TEST)

The Building Code of Australia and AS 2293 requires mandatory testing of emergency lights every 6 and 12 months to ensure occupant safety. EnLighten has taken this one step further as the light is programmed to automatically conduct a monthly 90 minute discharge test. The test does not disrupt the light's normal operation ensuring an efficient and safer environment. It also assists in longevity of the battery.

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

Indicator colour	Status – light operation
Solid blue 	Testing in progress (90 mins)
Flashing Blue 	Recently tested and complies* Normal state awaiting next discharge test
Flashing yellow 	Tested and failed due to faulty LEDs
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)

## Battery Drawer

Simple battery replacement in emergency versions via the externally accessible battery drawer.



## COMMISSIONING DISCHARGE TEST

Australian regulation also requires a single 120 minute commissioning test for emergency lights post initial 24 hours of installation. Chamaeleon III does this test automatically as well, while the light continues to operate as normal.

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.

## CHAMAELEON CONTROL SETTINGS GUIDE

Connect and commission your Chamaeleon III lights wirelessly via:

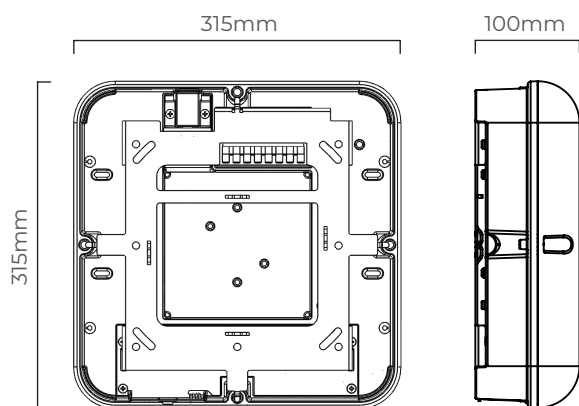
- CHAM App available for download on GooglePlay & iTunes
- Infra-red dongle supplied by enLighten that fits into the 3.5mm audio jack of your smartphone or smart device

The following Chamaeleon III default settings are applicable for most lighting applications:

	Time on (full light output)	Full light output	Standby light output
Default Settings	15 sec	100%	2.5%

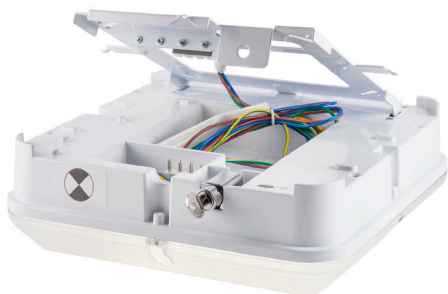


## DIMENSIONS AND WEIGHT



Weight: 4.5kg

### Smart Connect Base



### Vandal Proof Skirt



## TECHNICAL INFORMATION

### Optical

Light source	Lumileds LEDs
Lumen output (adjustable via Chamaeleon III App)	3500lm full light 83lm standby
CRI	Ra>80
CCT	4000K

### Electrical

Power consumption	42 - 43W full light output, 4 - 5W at standby
Operating frequency	50/60Hz
Operating voltage range	100 - 264V AC
Power factor	>0.9 240 V AC at full load

### Emergency light

Battery type	9.6V NiMH 2200mAh
Discharge time	90 minutes
Emergency classification	Ceiling mount: C0: D50, C90: D40

### Environmental

IP rating	IP52 standard, IP65 models available
Impact rating	IK10
Weight	4.5kg
Ambient temperature range	-10° C to + 50° C
Material Composition (body)	Powder coated aluminium
Material Composition (diffuser)	Polycarbonate
Expected Lifespan	L70B10: 119,746 hours

### Controls - Standard

	5.8GHz Microwave motion sensor
Microwave sensor range	360 deg; max 8m – adjustable
Microwave sensor operating interval	10 sec to 5 min (default setting 15 sec)
Daylight sensor	Manually adjustable

### Controls – Optional (Smartphone App & Dongle)

Light output range	Full light 40 - 100% Standby 1 - 90% of full light
Microwave sensor operating interval	10 sec to 10 min

### Accessories

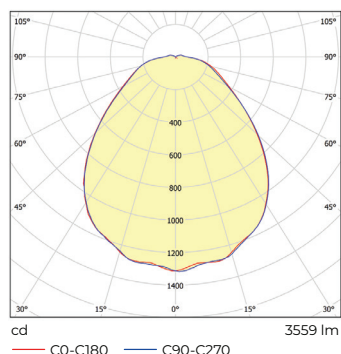
	Powdercoated zincalume Vandal proof skirt Replacement NiMH battery pack
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### Warranty\*

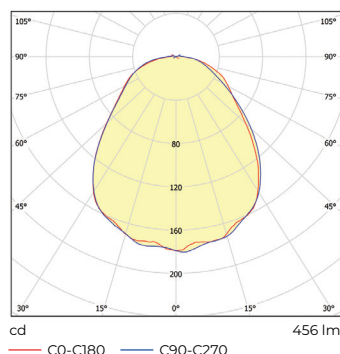
	7 years (excl battery) 2 years (battery)
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Data subject to change without notice  
\* Refer to warranty policy

## PHOTOMETRICS



Model shown: Cham-C  
Full light output



Model shown: Cham-C-E  
Emergency light output

## CUSTOMISATION OPTIONS

The CHAM App provides the ultimate flexibility to customise light settings specific to site usage / occupancy. The following table may be used as an indicative guide for a variety of back of house areas:

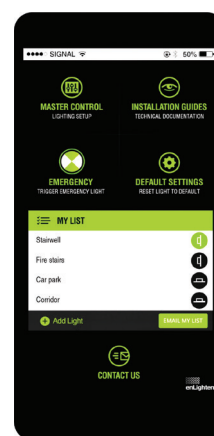
Space / Usage	Time on (full light output)	Full light output	Standby light
Fire stairs	15 sec	40%-100%	2.5%
Corridors	15 sec	See Spacing Guide <sup>1</sup>	2.5%
Car park driveways	Permanently On/ 5-10 min <sup>2</sup>	See Spacing Guide <sup>1</sup>	30-60%
Car park bays	90 sec – 5 min <sup>2</sup>	See Spacing Guide <sup>1</sup>	2.5-10%
Plant Rooms	10 min	70-100%	2.5-10%
Public Toilets	5-10 min	40-100%	10%
Utility Tunnels	2-5 min	100%	2.5%
Low use areas behind closed doors (eg. store rooms)	1-2 min	40-100%	1%

<sup>1</sup> Available under Technical Documentation on the CHAM App or request access via Login to Secure Zone on [www.enlighten.com.au](http://www.enlighten.com.au)

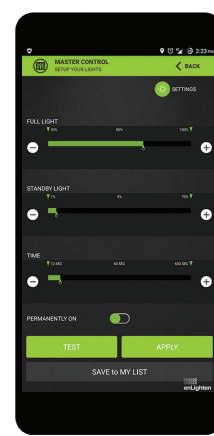
<sup>2</sup> Depending on client's request and applicable demographic usage

## Daylight sensor enabling

The latest addition to the Chamaeleon III has an optional daylight sensing feature which can be activated manually during installation. Once enabled, the daylight sensor over rides the microwave sensor in presence of daylight so that the light doesn't go to full light output even when there is motion around the light. However it is important to note that the light doesn't switch off, but remains in standby mode, during the presence of daylight.



Main Menu



Light Settings

## COMPLIANCE

The Chamaeleon III meets or exceeds all relevant standards and regulatory requirements.



For a full compliance and testing list visit [www.enlighten.com.au](http://www.enlighten.com.au). IES files, warranty, installation and product guides are also available for download.

Sold nationally through major electrical wholesalers.