

morganhope

LIGHTING SOLUTIONS

— 2026 —

PRODUCT CATALOGUE



LIGHTING WHEN YOU WANT IT.
WHERE YOU WANT IT. **HOW YOU WANT IT.**



Why Morgan Hope?

“Because we
lower your
Energy Bills and
reduce your
Carbon Footprint”

“ Morgan Hope was established in 1992 to provide electronic controls and energy efficient lighting systems for Industrial, Commercial, Retail, Housing Associations, Rail Networks and numerous other areas of application. Many products in our range are customer led, with bespoke light fitting designs that are now sold as general lighting options. With 100,000's of Morgan Hope products supplied to a broad customer base, Morgan Hope not only has long term experience in the marketplace but also quality performance that has ensured growth is stronger than ever. The service we offer extends well beyond product only, providing on-site support, full surveys to back up proposals, lighting design with photometric data and general assistance to enable the client to meet any special lighting objectives.

Morgan Hope is continually looking for new areas of progress and in conjunction with our associates overseas in Europe, USA and the Far East, we are confident in ensuring that we keep abreast of technology as it develops”.

The introduction of heating products to Morgan Hope was through the purchase of a specialised heating panel manufacturer under the name of Servitherm. The Servitherm heater is a unique Radiant Heater panel that is designed to provide localised heat in such areas as supermarket checkout counters, church pew heating, desk heating, sleeping pens for dogs and cats and all areas of localised heat requirements.

■ Commercial Lighting

Morgan Hope has developed a range of lighting products to meet the demands of all sectors of Commercial Lighting requirements. The advent of LED has enabled the creation of unique designs in luminaire body styles from recessed to surface incorporating linear or circular light source systems – all of which can offer light output from cool to warm white, with fixed or dimmable lighting control. Our Commercial Lighting covers applications within environments such as Offices, Schools, Housing, Hotels, Retail, Leisure and many more that may be suited to our versatile range of products.

■ Emergency Lighting

Emergency lighting is a legal, necessary and important requirement for the safety. It facilitates, where required, the speedy evacuation of occupants from buildings in situations that may endanger life, such as fire or power failures. General emergency lighting tends to be based on 3-hour battery back-up provision either as integral to the main luminaire or as a dedicated remote emergency unit. Morgan Hope offers a range of products to cover most emergency LED lighting needs from general escape route illumination to exit legend signage, all of which are outlined within this section of this publication.



■ Health Care Lighting

Health Care Lighting covers a very broad spectrum of our lighting range to facilitate the demands of all areas from corridors, wards, offices, consulting rooms, waiting areas through to service areas such as plant rooms and car parks. This publication will highlight the products suitable within our range including commercial and decorative applications, plus industrial products for the service areas. All our lighting can be designed to operate with control systems and where applicable, bespoke retrofit options can be provided for specific requirements. In terms of emergency lighting we can offer self-contained, remote and addressable systems.

■ Industrial Lighting

The primary products used within the industrial sector tend to cover Highbays, Lowbays and linear utility luminaires. The use of discharge lighting offered high levels of lumen efficiency but had the disadvantage of non-suitability for control. The progression in LED technology has enabled the development of LED options that not only exceed the light output of the traditional discharge fittings but also offer the options of control systems to switch or regulate based on occupancy and daylight. Morgan Hope has a comprehensive range of Highbays, Lowbays, utility fittings, floodlighting plus the capabilities to manufacture bespoke retrofit options to meet most demands for industrial usage. Our products have been used extensively for the LED upgrades of factories, warehousing, rail networks, car parks and many of other applications.

■ Lighting for Apartments, Social Housing, Warden Assisted Housing and Care Homes

The Morgan Hope luminaires within this range have been selected based upon our vast experience of the typical requirements of this market sector. The range is comprised of various luminaires that in many cases utilise a universal interchangeable gear tray with operational options, from fixed output to controlled systems. This enables us to satisfy the specific needs of different locations within a scheme without having to use different fittings, helping to give a cohesive and aesthetically pleasing lighting design. All of the luminaires within the range are equipped with LED light sources to deliver energy efficiency, high output illumination and a low on-going maintenance burden which ultimately means an improved lighting scheme and cost savings.

■ Bespoke Lighting

At Morgan Hope we understand that replacing old fittings is not always practical for a variety of reasons, ranging from cost implications, to more complex physical problems such as luminaire bodies being embedded into the substrate or to attached to an asbestos ceiling, where removal would risk asbestos dust contamination. Whatever the reason for requiring the retrofit gear tray option, Morgan Hope can solve these issues by manufacturing bespoke gear trays to meet specific on-site requirements from its broad and versatile range of LED PCBs and drivers. Morgan Hope will work closely with the client to ensure that the gear tray is designed to meet the detailed needs of each application.

■ Heating

"Low wattage, high efficiency and low running costs, Servitherm heaters have a 35-year history of being used for specialist heating requirements where conventional heating would not be suitable. The Servitherm Slimline Radiant Heater Panel can be used in many of applications such as kennel and cattery heaters, pew heating, check-out counter and desk heaters to name a few. It is designed to a unique patented system consisting of a fire resistant sandwiched fibreboard, encasing the heat source of a carbon fibre element and protected against overheating with dual thermal cut-out sensors, which far outlasts conventional wire elements.

For background heating in areas such as small rooms or conservatories, we introduced the Servitherm Combi, which not only provides localised heat but also has the benefit of airflow slots to enhance heat distribution within the space.

To compliment the Servitherm Slimline Radiant Heater, when used for back of pew heating, we added the option of the Servitherm SKL as a low-profile convector for under pew heating, providing a dual action of radiant heat from the Servitherm Panel to the upper body with general localised convected heat from under the pew seat with the Servitherm SKL".

Please request the separate leaflet on our Servitherm Heaters.



Morgan Hope Products...

Each one of our projects is tailored to create the perfect solution to your needs.

Accessing photometric data to ensure your energy is as efficient as it can be.



LED Light
Source



Self Contained
Battery Backup
Duration



Energy Saving
Technology



Light Intensity
in Lumens



Light Temperature
in Kelvin



Water Ingress
Resistance in
Minutes



Health, Safety, &
Environmental
Standards



UK Conformity
Assessed



Infrared
Sensor



Restriction of
Hazardous
Substances
Directive



Photometric
Data available



Photocell



Day & Night
Sensor



Day & Night
Switchable



Bluetooth
Connection



Do Not dispose
in domestic bin

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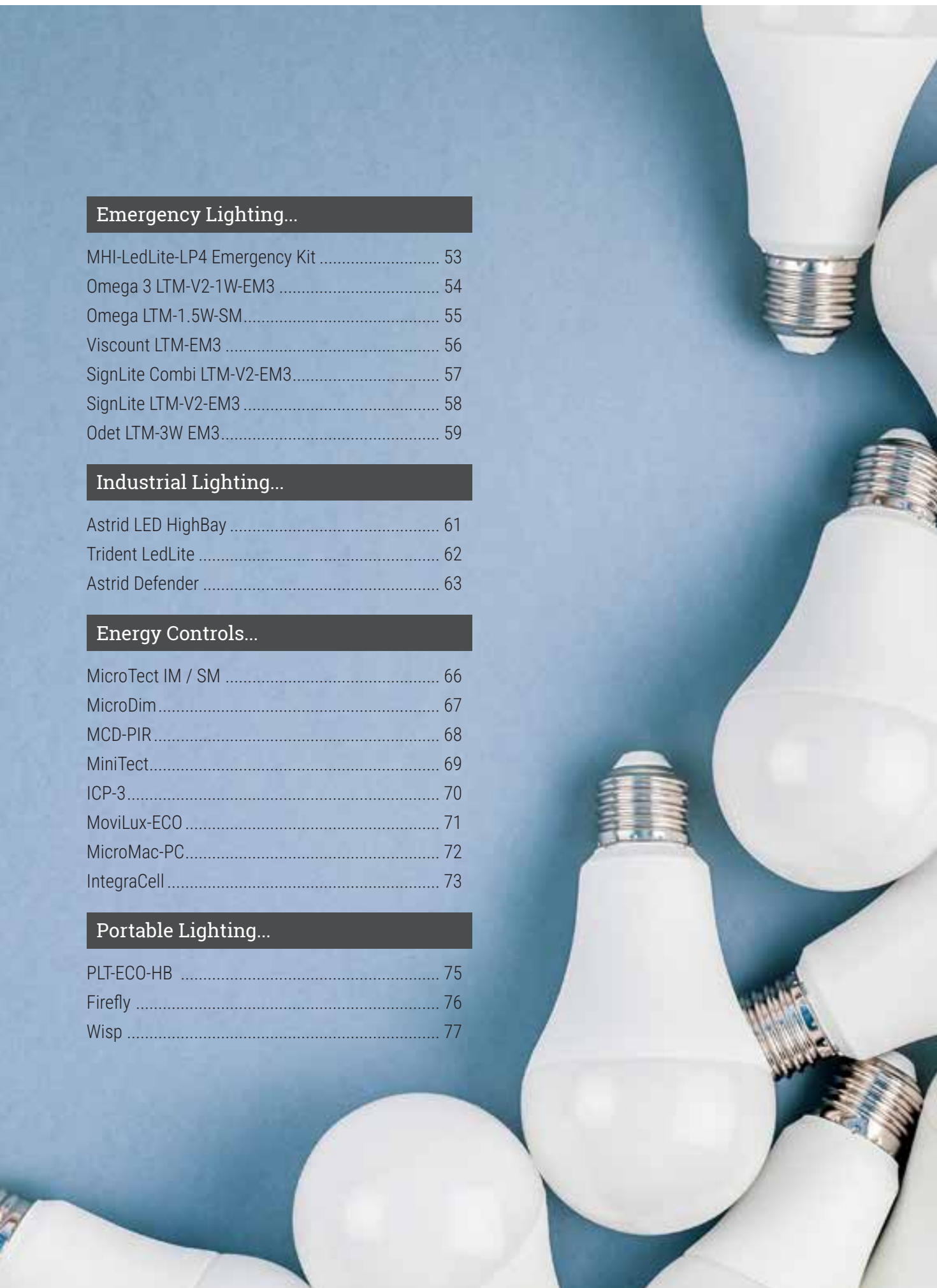
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A photograph of a modern office interior. On the left, a long hallway with glass-walled offices is illuminated by a series of circular, flush-mount ceiling lights. The hallway leads to an open-plan workspace on the right, which features desks, computers, and large windows. The ceiling in the workspace is exposed, showing ductwork and linear lighting fixtures. The overall atmosphere is clean, bright, and professional.

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Decorative Surface and Bulkhead Luminaires

All of the luminaires within the range are equipped with LED light sources to deliver energy-efficient, high output illumination and a low on-going maintenance.

Ledlite

LEDLITE CC

The LedLite CC Circular LED PCB has been designed by Morgan Hope to offer a unique LED light source, providing multiple uses, dependent upon specific application requirements. This offers fixed output, controlled occupancy lighting, emergency options and adjustable light output settings for increased or decreased illumination levels. LedLite CC uses proprietary branded LED-SMD Chips from such organisations as Samsung along with Constant Current Drivers from Osram.

The 'LedLite CC-3/1-MicroTect' provides a twin circuit model that offers full output during occupancy but with the MicroMac microwave detector switching the higher output, so that when there is no occupancy only the inner circuit of 3 watts is illuminated for comfort background Health & Safety lighting with nominal energy consumption.

Due to the versatility of the design, the 'LedLite CC' PCB can also offer various options of use covering full output linking where the controlled comfort light is not required or when dimmable options are preferred against the 3/1 switching system.

A unique feature of the 'LedLite CC' is the variable light output options that will allow on-site adjustments simply by changing connection inputs on the driver. Morgan Hope will pre-wire to the medium, allowing adjustments either during factory production or on-site for a slight

improvement in output, or if required a slight reduction.

Another benefit of the 'LedLite CC' is the incorporation of a Constant Voltage circuit based on 12V DC, specifically for emergency lighting based on non-maintained support and including an LED Green Charge Light within the circuitry of the PCB. This is suitable for both integral battery back-up or from a central battery pack based on the Morgan Hope DC2DC system. Such inclusion as standard within the 'LedLite CC' PCB also has the added advantage of allowing on-site upgrades to emergency requirements, where shortfalls may have occurred.

LEDLITE AC

LedLite AC is a driverless LED PCB system based on a circular PCB board available at either 240mm diameter with an output of 2500 lumens and consuming 22 Watts or the 170mm diameter with an output of 1500 lumens and consuming 12 Watts. These unique PCB options are available with fixed output or dimming with an integrally mounted microwave detector providing a selection of settings. The LedLite AC can be supplied with emergency back-up via the PCB. It is suitable for supply within most Morgan Hope circular housings but also has the benefit of a retrofit unit for the upgrade of existing luminaires to LED either

supplied as a stand-alone PCB or mounted to a bespoke gear tray suited to specific on-site requirements.

LEDLITE LINEAR

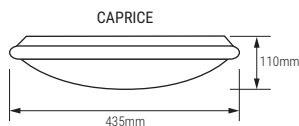
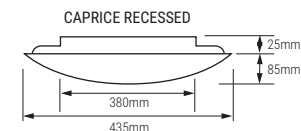
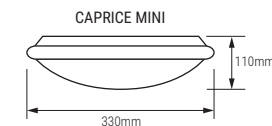
'LedLite Linear' uses the principles of the LedLite CC but is designed for use in linear luminaires such as the Morgan Hope Vapour-proof Gauntlet. It is produced in kit form to enable installation into luminaire lengths of 600mm - 1200mm - 1500mm and offers LED replacement for the equivalent of single and twin fluorescent models.

The circuitry replicates that of the 'LedLite CC' in as much as it has multiple circuits based on our 1/1 system to enable the primary high output circuit to be switched by the MicroMac occupancy detector, with the secondary circuit remaining 'On' for Health & Safety background comfort light and only consuming in the region of 4W to 6W dependent upon LedLite Linear kit sizes required. It is also possible to link the circuits for full output for switching or with dimmable driver systems if required.

As with the 'LedLite CC' the 'LedLite Linear' also has the Constant Voltage 12V DC Circuit for non-maintained emergency light with the same functions.

Caprice Ledlite CC

DECORATIVE CIRCULAR LUMINAIRE



APPLICATIONS

- > Corridor lighting
- > Stairwells
- > Receptions & entrance lobbies
- > Lounges
- > Bedrooms
- > Toilets

FEATURES

- > Energy efficient with high output LED light source
- > Dual circuit PCB to enable background comfort light facility
- > Variable output options
- > Plug-in connector for mains supply
- > Decorative circular luminaire with a vented body to disperse heat
- > Quick release gear tray
- > Available in white, chrome, satin nickel & brass
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system



DESCRIPTION

The Caprice is a slimline decorative luminaire that has been designed for use in residential and commercial applications, providing energy efficient lighting with high output illumination. The luminaire is constructed from a spun steel body with quick release gear tray. Finished in satin white powder coat as standard. Supplied with a prismatic diffuser. See below for trim colour options.

The Caprice incorporates the Ledlite CC LED PCB providing a lifespan in the region of 100,000 hours.

Caprice-LedLite CC-3/1-MicroMac - Twin Circuit LedLite LED PCB and Drivers to enable switching

by the MicroMac Microwave Detector of full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Clear Prismatic Diffuser.

Caprice-LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch. Supplied with Clear Prismatic Diffuser.

Caprice-LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac

Microwave Occupancy Detector of the linked circuits and supplied with Clear Prismatic Diffuser.

Caprice-LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Clear Prismatic Diffuser.

Also available is the **Caprice Ledlite CC -Triac Dim** to enable dimming from a recommended remote dimming switch.

Caprice Mini Ledlite CC also available with a diameter of 330mm.

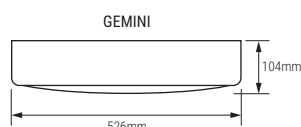
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX	
Caprice LedLite CC / Caprice Recessed LedLite CC	22W	2000 lm	White* Satin Nickel Chrome Brass	3000k 4000k*	ø 435 mm x 110 mm H (25mm of height is hidden on recessed version)	SN - Satin Nickel CH - Chrome BS - Brass OPR - Opal Prismatic Diffuser REC - Recessed Body EM3/LP4 - Integral Emergency Pack	
	26W*	2200 lm					
	28W	2460 lm					
Caprice Mini LedLite CC	16W	1600 lm			ø 330 mm x 110 mm H		
	18W*	1800 lm					
	20W	2020 lm					

*Default specification.

Gemini LedLite CC

DECORATIVE CIRCULAR LUMINAIRE WITH CEILING BACKWASH LIGHTING



APPLICATIONS

- > Corridor Lighting
- > Stairwells
- > Reception and Entrance Lobbies
- > Lounges
- > Bedrooms

FEATURES

- > Energy efficient with high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Decorative circular luminaire with vented back to disperse heat
- > Quick release gear tray
- > Available in white, chrome, satin nickel & brass
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Back-up system



DESCRIPTION

The **Gemini** is a Circular Slimline Decorative Luminaire that has been designed for use in residential and commercial applications providing energy efficient lighting with high output illumination. The luminaire is constructed from a spun steel body, quick release gear tray - finished in satin white powder coat and supplied with a prismatic diffuser. It is designed to provide both downward light illumination plus a backwash of light to the ceiling.

The **Gemini** incorporates the LedLite CC LED PCB, providing a lifespan in the region of 100,000 hours.

Gemini LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Clear Prismatic Diffuser.

Gemini LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch and supplied with Clear Prismatic Diffuser.

Gemini LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac Microwave Occupancy Detector of the linked circuits. Supplied with Clear Prismatic Diffuser.

Gemini LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Clear Prismatic Diffuser.

Also available is the **Gemini Ledlite CC -Triac Dim** to enable dimming from a recommended remote dimming switch.

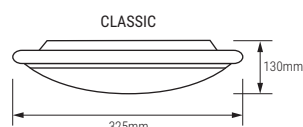
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Gemini LedLite CC 22W	22W	2000 lumens	White* Chrome Brass	3000k 4000k*	ø 526 mm x 104 mm H	CH - Chrome
Gemini LedLite CC 26W	26W*	2200 lumens				BS - Brass
Gemini LedLite CC 28W	28W	2460 lumens				OPR - Prismatic Diffuser
						EM3/LP4 - Integral Emergency Pack
						RGB - Colour Change Ceiling Wash

*Default specification.

Classic LedLite CC

IP65 DECORATIVE CIRCULAR LUMINAIRE FOR INTERNAL AND EXTERNAL APPLICATIONS



APPLICATIONS

- > External Walkway and Patio Light
- > External under soffit and access corridor lighting
- > Corridor and Stairwell Lighting
- > Entrance Lobbies
- > Bathrooms and Toilets
- > Store Rooms

FEATURES

- > IP65 Polycarbonate Decorative Circular Luminaire suitable for internal & external use
- > Energy efficient with high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Easy fit snap-on diffuser
- > Quick release gear tray
- > Finished with white trim
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system



DESCRIPTION

The Classic is an IP65 Circular Decorative Luminaire that has been designed for use in residential and commercial applications, providing energy efficient LED lighting with high output illumination. The luminaire is constructed with a polycarbonate body, hinged gear tray - finished with white trim and semi-transparent or opal polycarbonate diffuser.

The Classic incorporates the LedLite CC LED PCB, providing a lifespan in the region of 100,000 hours.

Classic LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching

by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Semi-transparent Diffuser.

Classic LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch and supplied. Supplied with Semi-transparent Diffuser.

Classic LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac

Microwave Occupancy Detector of the linked circuits. Supplied with Semi-transparent Diffuser.

Classic LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Semi-transparent Diffuser.

Also available is the **Classic LedLite CC-Triac Dim** to enable dimming from a recommended remote dimmer switch - Classic LedLite Eco for areas where high performance is not essential.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Classic LedLite CC 20W	20W	1770 lm	White	3000k 4000k*	ø 325 mm x 130 mm H	OP - Opal Diffuser EM3/LP4 - Integral Emergency Pack
Classic LedLite CC 23W	23W*	2035 lm				
Classic LedLite CC 25W	25W	2260 lm				

*Default specification.

Impala LedLite CC

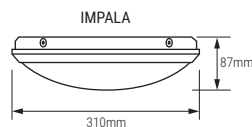
A LOW PROFILE, ROBUST VANDAL RESISTANT IP65 CIRCULAR LUMINAIRE FOR INTERNAL AND EXTERNAL APPLICATIONS



Skirt also available in black



Eyelid also available in white



DESCRIPTION

A Low Profile IP65 Circular Decorative Luminaire designed for applications requiring robust vandal resistant fittings for both internal and external use, providing energy efficient LED lighting with high output illumination. The luminaire is constructed with a polycarbonate body, integral gear tray - finished with white trim and Opal polycarbonate diffuser fixed in place with security screws. To facilitate conduit entry there are 4 x side access points positioned evenly around the base of the luminaire. An important aspect of the Impala is the incorporation in the design of the clip-on ring providing flexibility of appearance with options of Eyelid or Skirt feature in Black or White.

The Impala incorporates the LedLite CC LED PCB, providing a lifespan in the region of 100,000 hours.

Impala LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Opal Diffuser.

Impala LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch and supplied with Opal Diffuser.

APPLICATIONS

- > External Walkway, Under Soffit and Patio Lighting
- > Access Corridor and Stairwell Lighting
- > Entrance Lobbies and Store Rooms
- > Bathrooms and Toilets

FEATURES

- > Low Profile IP65 Polycarbonate Decorative Circular Luminaire for internal & external use
- > 4 side entry conduit points
- > Clip-on rings for Eyelid feature, Skirt trim and all available in black or white
- > Energy efficient high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Diffuser fixed with security screws
- > Easy to remove gear tray
- > Finished with white trim and opal diffuser
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Back-up system



Impala LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac Microwave Occupancy Detector of the linked circuits. Supplied with Opal Diffuser.

Impala LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Opal Diffuser.

Also available is the **Impala LedLite CC-Triac Dim** to enable dimming from a recommended remote dimmer switch - **Impala LedLite Eco** for areas where high performance is not essential.

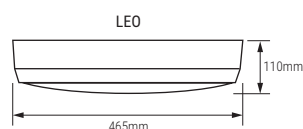
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Impala LedLite CC 16W	16W	1600 lm	White* Black with clip-on ring	3000k 4000k*	310 mm ø x 87 mm H	SKBLK - Skirt Trim Black
Impala LedLite CC 18W	18W*	1800 lm				SKWH - Skirt Trim White
Impala LedLite CC 20W	20W	2020 lm				ELIDBLK - Eyelid Black
						ELIDWH - Eyelid White
						EM3/LP4 - Integral Emergency Pack
						PC - Photocell

*Default specification.

Leo LedLite CC

VANDAL RESISTANT ROBUST DECORATIVE CIRCULAR LUMINAIRE



APPLICATIONS

- > Corridor Lighting
- > Stairwells
- > Reception and Entrance Lobbies
- > Lounges
- > Bedrooms
- > Toilets

FEATURES

- > Vandal resistant design with security screws to provide a fully enclosed luminaire
- > Energy efficient high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Decorative circular luminaire with vented back to disperse heat
- > Quick release gear tray
- > Available in white satin trim
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Back-up system



DESCRIPTION

The **Leo** is a Circular Slimline Decorative Luminaire that has been designed for applications requiring internal robust vandal resistant fittings, providing energy efficient lighting with high output illumination. The luminaire is constructed from a spun steel back body, quick release gear tray and spun steel straight edged front cover, with enclosed diffuser that is fixed into place with security screws. The **Leo** is ideal for use where luminaire access needs to be restricted. It is finished in satin white powder coat and supplied with a prismatic diffuser. The **Leo** incorporates the LedLite CC LED PCB, providing a lifespan in the region of 100,000 hours.

Leo LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Clear Prismatic Diffuser.

Leo LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch and supplied with Clear Prismatic Diffuser.

Leo LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac Microwave Occupancy Detector of the linked circuits. Supplied with Clear Prismatic Diffuser.

Leo LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Clear Prismatic Diffuser.

Also available is the **Leo LedLite CC-Triac Dim** to enable dimming from a recommended remote dimming switch.

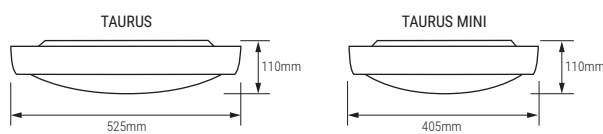
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Leo LedLite CC 22W	20W	2000 lumens	White	3000k 4000k*	ø 465 mm x 110 mm H	OPR - Opal Diffuser EM3/LP4 - Integral Emergency Pack
Leo LedLite CC 26W	26W*	2200 lumens				
Leo LedLite CC 28W	28W	2460 lumens				

*Default specification.

Taurus LedLite CC

ANTI-LIGATURE DECORATIVE CIRCULAR LUMINAIRE



DESCRIPTION

The Taurus is a Circular Slimline Decorative Luminaire that has been designed for applications where anti-ligature fittings are required, providing energy efficient lighting with high output illumination. The luminaire is constructed from a spun steel back body, quick release gear tray and spun diffuser ring that is fixed into place with security screws. Apart from the primary use as an anti-ligature luminaire, the Taurus is also suitable for applications where a more robust vandal resistant fitting is required and luminaire access needs to be restricted. It is finished in satin white powder coat and supplied with a prismatic diffuser. The Taurus incorporates the LedLite CC LED PCB,

providing a lifespan in the region of 100,000 hours.

Taurus LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Clear Prismatic Diffuser.

Taurus LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch and supplied. Supplied with Clear Prismatic Diffuser.

Taurus LedLite CC-MicroMac - Linked Single

APPLICATIONS

- > Corridor Lighting
- > Stairwells
- > Reception and Entrance Lobbies
- > Lounges
- > Bedrooms
- > Toilets

FEATURES

- > Anti-ligature design with Security Screws to provide a fully enclosed luminaire
- > Energy efficient high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Decorative circular luminaire with vented back to disperse heat
- > Quick release gear tray
- > Available in white satin trim
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Back-up system



Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac Microwave Occupancy Detector of the linked circuits. Supplied with Clear Prismatic Diffuser.

Taurus LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Clear Prismatic Diffuser.

Also available is the **Taurus LedLite -Triac Dim** to enable dimming from a recommended remote dimming switch

Taurus Mini LedLite CC also available with a diameter of 405mm.

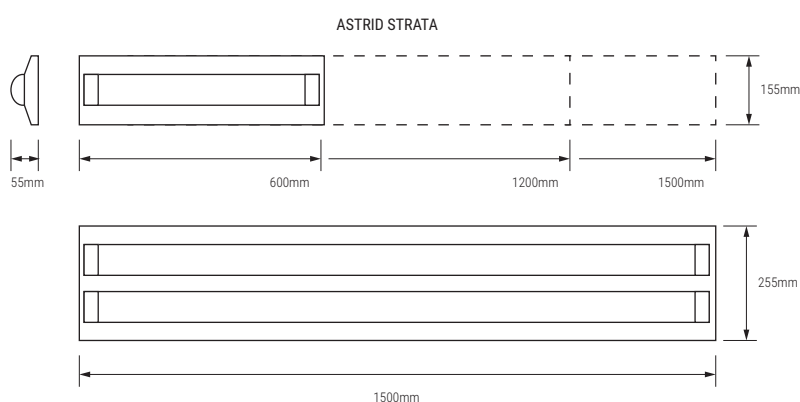
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Taurus LedLite CC	22W	2000 lm	White*	3000k 4000k*	ø 525 mm x 110 mm (H)	OPR - Opal Diffuser CH - Chrome Trim BS - Brass Trim EM3/LP4 - Integral Emergency Pack
	26W*	2200 lm				
	28W	2460 lm				
Taurus Mini LedLite CC	16W	1600 lm			ø 405 mm x 110 mm (H)	
	18W*	1800 lm				
	20W	2020 lm				

*Default specification.

Astrid Strata

LOW PROFILE SURFACE MOUNT LINEAR LED LUMINAIRE



APPLICATIONS

- > Offices / Waiting & Meeting Rooms
- > Kitchens
- > Showrooms
- > Retail Front Store Lighting
- > Libraries / Classrooms
- > Laboratories
- > Warehousing & Stock Rooms

FEATURES

- > Energy efficient with high output LED light source
- > Two component luminaire with steel back body and clip-in LED Modular with Plug-in connector for mains supply
- > Various sizes
- > Finished with white satin trim
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system



DESCRIPTION

The **Astrid Strata** is a low profile LED linear luminaire, designed for surface mounting, with the versatility of use in many applications. It is modern and sleek in appearance and is suitable for both commercial and domestic use. The **Astrid Strata** is a two component luminaire constructed with a steel back body, powder coated with a white finish and a clip-in LED PCB module with opal diffuser.

Available in a range of sizes the **Astrid Strata** is fitted with High Output LED SMD Chips and driven with an Osram or equivalent proprietary branded driver. Whilst supplied as standard with fixed output illumination, there are options to supply with dimmable drivers for remote switch dimming or via occupancy detection.

The **Astrid Strata** incorporates the LedLite Linear LED PCB, providing a lifespan in the region of 100,000 hours.

Model Options

Astrid Strata 060 - 600mm
Astrid Strata 112 - 1200mm
Astrid Strata 115 - 1500mm
Astrid Strata 215 - Twin 1500mm

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
ASTRID-STRATA-060	18W	1620 lm	White*	3000k 4000k*	600 x 155 x 55 mm (H)	EM3/LP4 - Integral Emergency Pack
ASTRID-STRATA-112	36W	3250 lm			1200 x 155 x 55 mm (H)	
ASTRID-STRATA-115	45W	4500 lm			1500 x 155 x 55 mm (H)	
ASTRID-STRATA-215	90W	9000 lm			1500 x 255 x 55 mm (H)	

*Default specification.

MHI-BFLED

MULTI OUTPUT/3CCT LED BATTEN RANGE

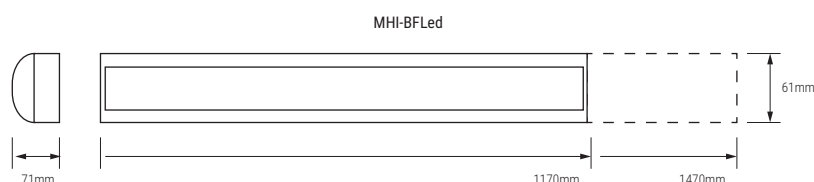


APPLICATIONS

- > Office Lighting
- > Storerooms
- > Communal Areas

FEATURES

- > <160lm/W
- > IP20
- > Polycarbonate Diffuser & Body
- > 20mm Conduit entries at each end
- > Sensor version Available
- > Dimmable-Dali
- > Emergency version Available
- > 50,000hrs
- > 5 Year Warranty



DESCRIPTION

The MHI-BFLED LED batten range is designed as a suitable replacement for fluorescent fittings and many other applications.

Available in two sizes, with easy clip plug-in emergency and microwave sensor modules making the MHI-BFLED range an economic option for low energy lighting requirements. With multi switchable outputs and switchable 3CCT colour control the MHI BFLED is truly adaptable luminaire suitable for multiple applications.



Sensor Module



Emergency Module

TECHNICAL + OPTIONS

MODEL CODE	DESCRIPTION	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
MHI-BFLED-4	4ft Batten	23/26/32/36W	3680lm < 5760 lm	3000k 4000k 6000k	1170 x 61 x 71mm (LxWxD)	MWS - Sensor EM - Emergency Dali - Dimmable
MHI-BFLED-5	5ft Batten	34/42/51/58W	5440lm<9280 lm		1470 x 61 x 71 mm (LxWxD)	

*Default specification.



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Recessed Lighting

All of the luminaires within the range are equipped with LED light sources to deliver energy-efficient, high output illumination and a low on-going maintenance.

Sapphire LedLite

LED RECESSED DECORATIVE CIRCULAR LUMINAIRE FOR INTERNAL APPLICATIONS



APPLICATIONS

- > Reception Lighting
- > Hotel / Hospital Lighting
- > Corridor Lighting
- > Entrance Lobbies
- > Office Lighting

FEATURES

- > Energy efficient high output LED light source
- > Fixed output or option of dual circuit PCB to enable background comfort light
- > Available with dimmable driver options
- > White trim finish and silver return feature
- > Compatible with remote occupancy and daylight control systems
- > Available with integral LiFePO4 Lithium Battery Back-up system



DESCRIPTION

The **Sapphire LedLite** is a recessed circular LED Down-lighter based on one style of housing and providing a choice of two sizes of either 190mm or 230mm diameter. It is available in outputs of 20W or 30W with multi operational options from standard fixed output to various controlled systems. The LedLite PCB offers a single circuit PCB or twin circuit with two drivers for the 1/1 system, providing occupancy controlled lighting on the primary high output circuit and permanent comfort background light on the secondary low output circuit. Other options include 0V to 10V or Dali Dimming. The bezel is finished in white with a nominal return of a

specula flat silver reflector and recessed opal glass diffuser. All models suitable for Drop Glass options.

The Sapphire incorporates the LedLite LED PCB, providing a lifespan in the region of 100,000 hours.

Sapphire LedLite - single circuit LedLite PCB and Driver to enable switching by remote switch or occupancy detector. Available 20 Watt and 30 Watt with 190mm or 230mm diameter bezel.

Sapphire LedLite-1/1 - Twin Circuit LedLite LED PCB and Drivers to provide occupancy control with comfort background light operated by remote detector such as the MicroTect. Available 20 Watt

and 30 Watt with 190mm or 230mm diameter bezel.

Sapphire LedLite-Dali Dim or 0V to 10V Dim - Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by remote detector or dimmer switch. Available 20 Watt and 30 Watt with 190mm or 230mm diameter bezel.

Sapphire LedLite-Triac Dim - Single Circuit LedLite LED PCB and Driver for remote dimming via a dimmer switch such as VariLight Pro. Check for compatible dimmers. Available 20 Watt and 30 Watt with 190mm or 230mm diameter bezel.

TECHNICAL + OPTIONS

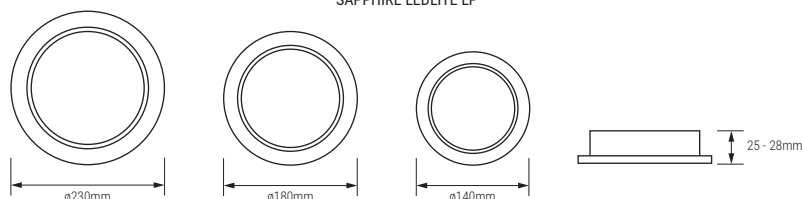
MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	CUT-OUT SIZE	OPTION CODE SUFFIX
SAPPHIRE LEDLITE	20W	2010 lm	3000 - 6000k	ø 190 mm x 110 mm (H) ø 230 mm x 110 mm (H)	ø 175 mm ø 210 mm	DG003 - Drop Glass Clear glass with frosted etched centre DG006 - Drop Glass Frosted etched halo EM3/LP4 - Emergency Pack
	30W	3015 lm				
SAPPHIRE LEDLITE-1/1	20W	2010 lm				
	30W	3015 lm				
SAPPHIRE LEDLITE 0V TO 10V	20W	2010 lm				
	30W	3015 lm				
SAPPHIRE LEDLITE DALI DIM	20W	2010 lm				
	30W	3015 lm				
SAPPHIRE LEDLITE TRIAC DIM	20W	2010 lm				
	30W	3015 lm				

Sapphire LedLite LP

LOW PROFILE LED RECESSED DECORATIVE CIRCULAR LUMINAIRE FOR INTERNAL APPLICATIONS



SAPPHIRE LEDLITE LP



DESCRIPTION

The Sapphire LedLite LP is a low profile 28mm recessed circular LED Down-lighter for applications with shallow ceiling voids where flush mounting to a ceiling is preferred for discreet lighting effect. It is based on one style of housing with a range of three models. The LedLite is a single circuit LED PCB providing fixed output or options to dim via 0V to 10V, Dali or Triac Dim drivers. The bezel is finished in white and fitted with a flat opal glass diffuser. All models suitable for Drop Glass options.

The Sapphire LedLite LP incorporates the LedLite LED PCB, providing a lifespan in the region of 100,000 hours.

Sapphire LedLite LP - single circuit LedLite PCB and Driver to enable switching by remote switch or occupancy detector. Available 11 Watt, 18 Watt and 23 Watt with 140mm, 180mm and 230mm diameter bezel respectively.

Sapphire LedLite LP - Dali Dim or 0V to 10V Dim - Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by remote detector or dimmer switch. Available 11 Watt, 18 Watt and 23 Watt with 140mm, 180mm and 230mm diameter bezel respectively.

Sapphire LedLite LP - Triac Dim - Single Circuit LedLite LED PCB and Driver for remote dimming via a dimmer switch such as VariLight Pro. Check for compatible dimmers. Available 11 Watt, 18 Watt and 23 Watt with 140mm, 180mm and 230mm diameter bezel respectively.

APPLICATIONS

- > Reception lighting
- > Hotel lighting
- > Corridor lighting
- > Entrance Lobbies
- > Office lighting
- > Hospital lighting

FEATURES

- > Energy efficient with high output LED light source
- > Fixed output or dimmable options
- > Finished with white trim
- > Compatible with remote occupancy and daylight control systems
- > Available with integral LiFePO4 Lithium Battery Back-up system



Also available as Surface Mount version
Code: **Sapphire-LedLite-SM**



A **SAPPHIRE** installation in a nursing home

morganhope

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	CUT-OUT SIZE	OPTION CODE SUFFIX
SAPPHIRE LEDLITE LP	11W	1155 lm	3000 - 6000k	ø 140 mm x 25 mm (H)	ø 125 mm	DG003 - Full Clear Drop Glass with frosted etched centre circle (Not available for 140mm diameter) DG006 - Frosted Drop Glass with etched halo (Not available for 140mm diameter) EM3/LP4 - Integral Emergency Pack
	18W	1890 lm		ø 180 mm x 27 mm (H)	ø 160 mm	
	23W	2415 lm		ø 230 mm x 28 mm (H)	ø 210 mm	
SAPPHIRE LEDLITE LP 0V TO 10V	11W	1155 lm	3000 - 6000k	ø 140 mm x 25 mm (H)	ø 125 mm	
	18W	1890 lm		ø 180 mm x 27 mm (H)	ø 160 mm	
	23W	2415 lm		ø 230 mm x 28 mm (H)	ø 210 mm	
SAPPHIRE LEDLITE LP DALI DIM	11W	1155 lm	3000 - 6000k	ø 140 mm x 25 mm (H)	ø 125 mm	
	18W	1890 lm		ø 180 mm x 27 mm (H)	ø 160 mm	
	23W	2415 lm		ø 230 mm x 28 mm (H)	ø 210 mm	
SAPPHIRE LEDLITE LP TRIAC DIM	11W	1155 lm	3000 - 6000k	ø 140 mm x 25 mm (H)	ø 125 mm	
	18W	1890 lm		ø 180 mm x 27 mm (H)	ø 160 mm	
	23W	2415 lm		ø 230 mm x 28 mm (H)	ø 210 mm	

Sapphire LedLite LP-23W/300-2CCT

LOW PROFILE RECESSED CIRCULAR 2CCT LUMINAIRE



APPLICATIONS

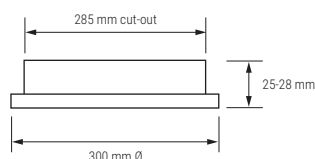
- > Reception lighting
- > Corridor lighting
- > Hotel Lighting
- > Entrance lobbies
- > Hospitals

FEATURES

- > 23W
- > 2415 lm
- > 2 CCT Switchable 3k/4k
- > Dimming Options
- > Lithium Emergency option
- > 5 Year Warranty



SAPPHIRE LEDLITE LP-23W/300-2CCT



DESCRIPTION

The Sapphire LedLite LP-23W/300-2CCT is designed to be installed into false ceilings.

With 2CCT built-in switch it offers 3000K or 4000K colour rendering.

Available in various dimming options as well as

Bluetooth options the luminaire is flexible enough to operate on most operating systems.

The emergency versions have integral Lithium Phosphate battery technology which offer extended lifespan.



Shown here in-situ

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	OVERALL SIZE	COLOUR TEMPERATURE	OPTION CODE SUFFIX
Sapphire LedLite LP-23W/300-2CCT	23w	2415 lm	300mm ø 285mm Cut-out	3000K / 4000K Switchable	EM3/LP4 - Emergency Pack BT - Bluetooth Dim - 0-10V or Dali Dimmable

Astrid Pixie

LED RECESSED DECORATIVE CIRCULAR LUMINAIRE FOR INTERNAL APPLICATIONS



APPLICATIONS

- > Reception lighting
- > Hotel lighting
- > Corridor lighting
- > Entrance Lobbies
- > Office lighting
- > Hospital lighting

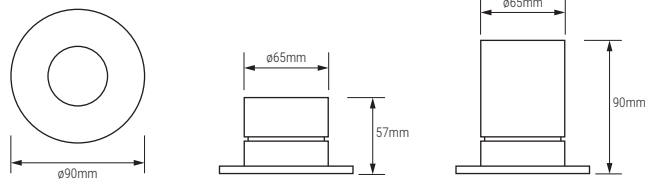
FEATURES

- > Energy efficient with high output LED light source
- > Fixed output or dimmable options
- > Detachable bezel with options of white, satin silver and chrome
- > Compatible with remote occupancy and daylight control systems
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system
- > IP65 rated (Front facing)



ASTRID PIXIE 9W

ASTRID PIXIE 15W



DESCRIPTION

The Astrid Pixie is a compact recessed circular LED Down-lighter incorporating single chip technology and ideal for applications suited to the replacement of halogen down-lights. Available with either 9 Watt or 15 Watt output the Astrid Pixie can be operated either as fixed output or if required to dim, fitted with a Triac Dimming Driver. It is constructed with a dedicated heat-sink and driver and designed with a

detachable bezel, supplied as standard in white but with options of Satin Silver or Chrome. Once installed the Astrid Pixie is IP65 rated from the front. The Astrid Pixie LED PCB provides a lifespan in the region of 100,000 hours.

Astrid Pixie - single chip LED PCB and Driver to enable switching by remote switch or occupancy detector. Available in 9 Watt and 15 Watt.

Astrid Pixie-Triac Dim - single chip LED PCB and Driver to enable switching by remote switch or occupancy detector for remote dimming via a dimmer switch such as VariLight Pro. Check for compatible dimmers. Available in 9 Watt and 15 Watt.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid Pixie-9W	9 Watt	945 lm	White* Satin Silver Chrome	3000k 4000k*	ø 90 mm x 57 mm H ø 65 mm cutout	SS - Satin Silver CH - Chrome Triac Dim - Driver to operate with dimming switch
Astrid Pixie-15W	15 Watt	1575 lm			ø 90 mm x 90 mm H ø 65 mm cutout	EM3/LP4 - Emergency Pack

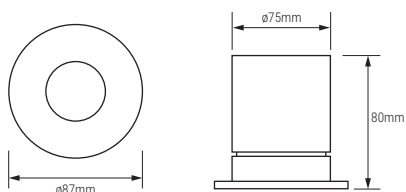
*Default specification.

Astrid Pixie 8W-CCT-FR

LED RECESSED FIRE RATED DOWNLIGHT FOR INTERNAL APPLICATIONS



ASTRID PIXIE 8W



APPLICATIONS

- > Reception lighting
- > Hotel lighting
- > Corridor lighting
- > Entrance Lobbies
- > Office lighting
- > Hospital lighting

FEATURES

- > Energy efficient with high output LED light source
- > Fire Rated
- > CCT colour change switch within the housing to provide warm, natural or cool white
- > Dimmable as standard
- > Detachable bezel with options of white, satin silver and chrome
- > Compatible with remote occupancy and daylight control systems
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system



Satin Silver Bezel



Chrome Bezel

DESCRIPTION

The **Astrid Pixie-8W-CCT-FR** is a fire rated compact recessed circular LED Downlighter incorporating CCT colour change chip technology and ideal for applications suited to the replacement of halogen downlights. It is constructed with a dedicated heat sink, mounted within a polycarbonate housing containing the driver and designed with a detachable bezel, supplied in white as standard but with options of Satin Silver or Chrome.

The CCT colour change switches are located on the front face of the downlighter, concealed behind the removable bezel. This allows colour choice of warm, natural or cool white, all from one luminaire.

The **Astrid Pixie-8W-CCT-FR** LED PCB provides a lifespan in the region of 100,000 hours.

The **Astrid Pixie-8W-CCT-FR** is rated at 8W and supplied as standard with a dimmable driver, which

can be operated by a compatible dimmer switch or for On/Off switching only via a remote switch or occupancy detector.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid Pixie-8W-CCT-FR	8 Watt	600 lm	White* Satin Silver Chrome	CCT switch options 2700K 4000K 6500K	ø 87 mm x 80 mm H ø 75 mm cutout	SS - Satin Silver CH - Chrome EM3/LP4 - Emergency Pack

*Default specification.

Other Morgan Hope products...

Solar Lighting Solutions

LED Display Solutions



Morgan Hope is excited to announce the launch of two innovative new product ranges, designed to deliver efficiency, performance, and visual impact.

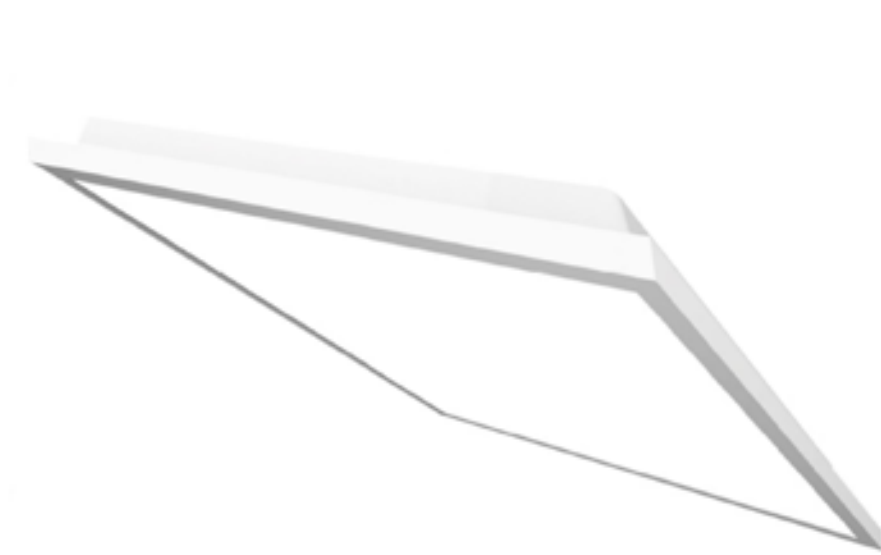
Solar Lighting Solutions
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Astrid ModuLite BL

TPA UGR<19 LED 600X600 RECESSED BACKLIT CEILING PANEL

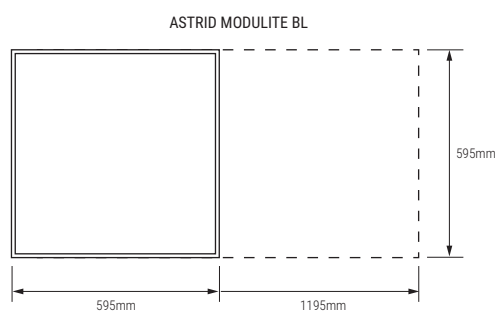


APPLICATIONS

- > Office Lighting
- > Corridor Lighting
- > Shopping Centres
- > Retail
- > Schools

FEATURES

- > 40W 4000lm/60W 6000lm
- > 3000K-4000K-6000K
- > TPa rated
- > UGR<19
- > 50,000hr Lifespan
- > Emergency option
- > Dimmable options- 0-10V, Dali
- > Bluetooth options
- > 5 Year warranty



DESCRIPTION

The Astrid ModuLite BL is a low-profile LED backlit panel for recessing into suspended ceiling grids to meet most applications for commercial lighting requirements.

The slimline design is just 32mm deep offering versatility of installation even in shallow ceiling voids. Each luminaire is supplied with a dedicated driver with options of fixed output or dimmable systems.



TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid ModuLite-BL-66	40w	4000 lm	3000K 4000K 6000K	595mm L x 595mm W x 12mm D	Dim - 0V-10V or Dali Dimmable BT - Bluetooth EM3/LP4 - Emergency
Astrid ModuLite-BL-126	60w	6000 lm		1195mm L x 595mm W x 12mm D	

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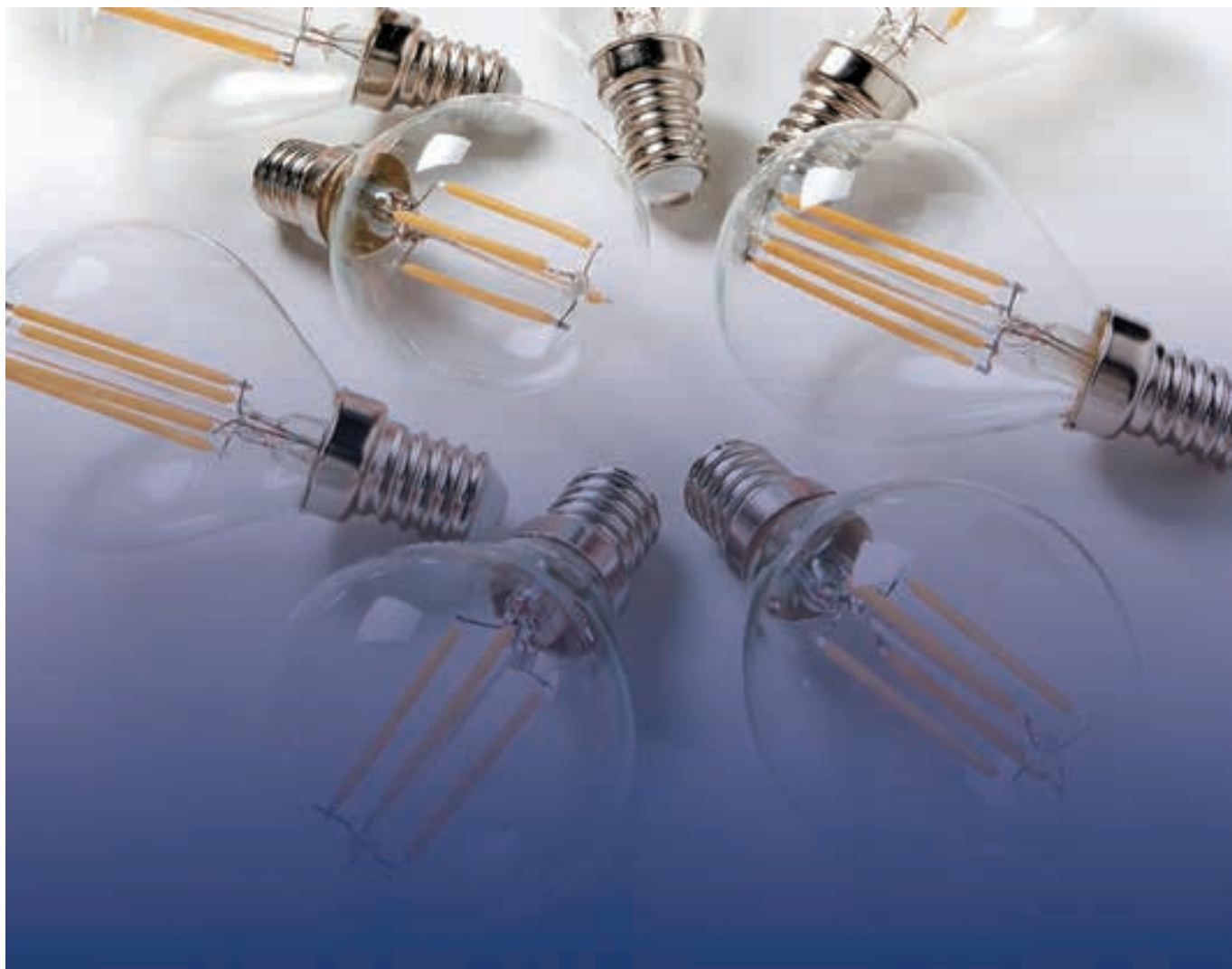
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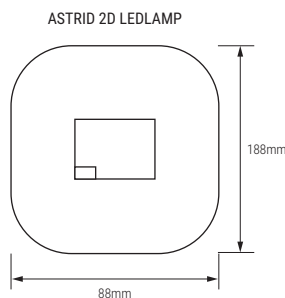
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Lamps

All of the luminaires within the range are equipped with LED light sources to deliver energy-efficient, high output illumination and a low on-going maintenance.

Astrid 2D LedLamp

LED RETROFIT REPLACEMENT FOR 2D COMPACT FLUORESCENT LAMPS



DESCRIPTION

The **Astrid 2D LedLamp** has been specifically developed as an LED retrofit option to replace the commonly used 28W and 38W 2D compact fluorescent lamp. The design is such that it also has applications for installation into new luminaires at time of manufacture and can be supplied with a bespoke mounting bracket, incorporating lamp holder and terminal block, making it universal to fit most styles of circular or square lighting fixtures that are suitable for this type of lamp.

Whilst energy efficient in its own right as an LED lamp system, the **Astrid 2D LedLamp** offers not

only fixed output but also microwave sensor controlled models for occupancy control, either for 'On/Off' switching or "Dimming" to minimum output when unoccupied, providing background comfort light. These have various setting options to meet specific on-site requirements.

If required, the 2D LedLamp can be supplied with a bespoke mounting plate under reference MP2D, which is supplied with a 4 pin lamp-holder and terminal block. It is available as a single unit for or 2 piece with an extended flange for attaching the emergency module.

APPLICATIONS

- > For general illumination in:
- > Commercial Buildings
- > Corridor and Lobby Lighting
- > Stairwell Lighting
- > 2D Bulkhead Lighting

FEATURES

- > High output LED technology
- > Designed as a retrofit replacement for 28W or 38W 2D Compact Fluorescent Lamps
- > Energy Savings of up to 60% when compared with 2D lamps
- > Available with 'On/Off' and Dimming Systems for occupancy control via integral microwave sensor, providing enhance savings of up to 90%
- > Option for integral 3 hour emergency pack - suffix model code with EM3
- > Easy to install
- > Option of bespoke mounting bracket if required



Plate with EM driver



Single mounting plate

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid 2D LedLamp	16w	1440 lm	3000 - 3500K (WW) 4000K (NW)	88 mm x 188 mm	SD - Integral microwave occupancy detection providing combination options of "On/Off" switching or dimming facilities (Fixed output as standard) EM3 - Integral Emergency Pack

*Default specification.

Astrid CornLamp

HIGH OUTPUT LED INDUSTRIAL LAMP



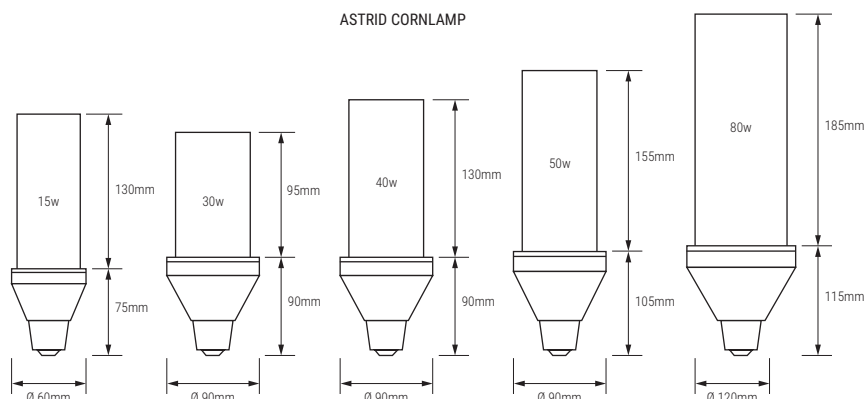
APPLICATIONS

- > For general illumination in: Factories, Warehouses, Car Parks, Railway Stations, Street Lighting, Exhibition Centres, Shopping Malls

FEATURES

- > LED with low energy consumption and low thermal output
- > Unique design energised via an Edison Screw Lamp-holder
- > Aluminium fin-shaped heat-sink and active air exchange cooling system to enhance heat dissipation
- > No UV or near-IR radiation in the light beam
- > Energy Savings of up to 75%
- > Ballast free, easy installation and simple to replace
- > Ideal replacement of high output discharge lamps
- > High Lumen output of 130-140lm/W

ASTRID CORNLAMP



DESCRIPTION

The **Astrid CornLamp** is designed as a high output LED light source to replace the lamp range used in discharge lighting, primarily in industrial applications. The installation of the lamp is simple and only requires mains supply direct to the

lamp-holder and if retro-fitting into an existing luminaire, by-passing any other component parts.

The outputs 15W to 40W are available with the option of E27 and E40 lamp bases and the 50W and 80W in E40 only. The **Astrid CornLamp** is a

suitable replacement for discharge lamps within Highbays, Lowbays, Street Lighting, Globes, Wall Packs and many others, providing a quick LED upgrade where full luminaire replacement is not practical.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	LAMP BASE	OPTION CODE SUFFIX
Astrid CornLamp-15W	15w	2025 lm	6000K (CW) * 4000K (NW)	205mm x 60mm ø	E27 or E40	
Astrid CornLamp-30W	30w	4050 lm		185mm x 90mm ø	E27 or E40	
Astrid CornLamp-40W	40w	5400 lm		220mm x 90mm ø	E27 or E40	
Astrid CornLamp-50W	50w	6750 lm		260mm x 90mm ø	E40	
Astrid CornLamp-80W	80w	10800 lm		295mm x 120mm ø	E40	

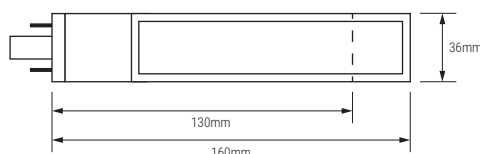
*Default specification.

Astrid LedLamp-PLC

LED LAMP DESIGNED TO REPLACE PLC COMPACT FLUORESCENT LAMPS



ASTRID LEDLAMP-PLC



APPLICATIONS

- > For general illumination in: Offices, Retail, Hotels, Airports, Railway Stations

FEATURES

- > LED with low energy consumption and low thermal output
- > Lamp options to suit application with 8W available as standard or extra long plus 13W and energised via a G24 type lamp cap
- > Ballast free with aluminium heat-sink to enhance heat dissipation
- > Available with clear or frosted opal diffuser lens
- > Energy Savings of up to 75%
- > Easy installation and simple to replace
- > Lumen output of 110lm/W



DESCRIPTION

The **Astrid LedLamp-PLC** is a lamp designed with SMD LED technology as an energy efficient replacement for PLC Compact Fluorescent Lamps. It is fitted with a 2 Pin Lamp cap that is suitable for push-in connection to a 2 pin or 4 pin G24/GX24 type lamp holder. Its applications are numerous; it is simple to retro-fit and is designed as a single sided unit that is populated with the SMD LED to

provide frontal directional lighting, avoiding back light loss. The lamp options cover 8 Watt and 13 Watt output and are fitted with an integral driver plus heat-sink to absorb heat generated by the LEDs.

For installation ensure the fitting is isolated from the mains supply and that the existing ballast is removed connecting the incoming supply direct to

the lamp holder inputs. The **Astrid LedLamp-PLC** is compatible with the G24 type lamp holders and where it is a 2 Pin lamp holder the Live and Neutral are connected to the lamp holder inputs - where it is a 4 Pin lamp holder, connect the Live and Neutral into the inputs that **Astrid LedLamp-PLC** Pins will be located. Note it is not polarity sensitive. It is recommended that the luminaire is fused.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid LedLamp-PLC-8W	8w	880 lm	6000K (CW) 4000K (NW)	120mm (90mm excluding lamp cap) x 36mm ø	OP - Frosted Opal Lens (Clear as standard)
Astrid LedLamp-PLC-8W-EL	8w	880 lm		160mm (130mm excluding lamp cap) x 36mm ø	
Astrid LedLamp-PLC-13W	13w	1430 lm		160mm (130mm excluding lamp cap) x 36mm ø	

*Default specification.

Astrid LedTube

LED RETRO-FIT REPLACEMENT LAMPS FOR T5 AND T8 FLUORESCENT TUBES

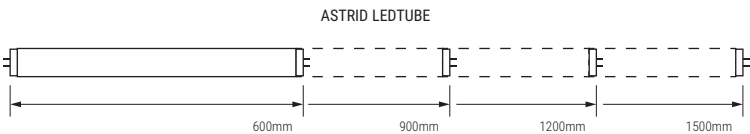


APPLICATIONS

- > For LED upgrade of fluorescent tubes in:
Factories, Warehouses, Car Parks, Railway
Stations, Offices

FEATURES

- > LED with low energy consumption and low
thermal output
- > Options of T5 and T8 lamp sizes
- > Easy to fit
- > T5 supplied as kit with lamp and remote
driver
- > T8 incorporates driver within the lamp
- > Energy Savings of up to 75%
- > High Lumen output of 110-150lm/W
dependent on lamp model
- > Operates at 230/240V supply input



DESCRIPTION

The **Astrid LedTube** is designed as a high lumen output retro-fit LED upgrade for fluorescent tubes covering both T5 and T8 lamp technology. The **Astrid LedTube** is suitable as a direct replacement and will fit into the existing lamp-holders, although

it is necessary to disconnect the existing ballast and re-wire direct to the lamp-holder.

The design consists of an aluminium housing, opal polycarbonate diffuser and caps that will rotate to

90°. The T8 tube incorporates both the driver and PCB within the full housing, whereas the T5 model requires a remote driver, which is supplied as a complete kit.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid LedTube-HL-T5-10W	10w	1000 lm	4000K (NW) * 3000K-3500K (WW)	600mm L	
Astrid LedTube-HL-T5-12W	12w	1300 lm		900mm L	
Astrid LedTube-HL-T5-20W	20w	2100 lm		1200mm L	
Astrid LedTube-HL-T5-30W	30w	3200 lm		1500mm L	
Astrid LedTube-HL-T8-10W	10w	1400 lm		600mm L	
Astrid LedTube-HL-T8-18W	18w	2700 lm		1200mm L	
Astrid LedTube-HL-T8-25W	25w	3750 lm		1500mm L	

*Default specification.
(The Astrid LedTube-HL T8 is available in lengths of 1800mm and 2400mm for special orders)

LedLite AC-Eco

DRIVERLESS LED SWITCHABLE OUTPUT PCB FOR RETROFIT LUMINAIRE UPGRADES



APPLICATIONS

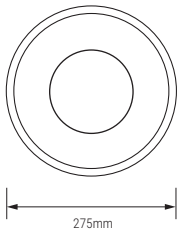
- > Corridors, Stairways, Store Rooms
- > Offices, Hotels, Restaurants, Retail
- > Social Housing, Care Homes, Apartments
- > Shopping Centres

FEATURES

- > Energy efficient high output LED technology
- > Ideal to replace 28W or 38W 2D Compact Fluorescent Lamps
- > Energy Savings of up to 60% when compared with 2D lamps
- > Switchable output 12W or 18W offering 1200 lm or 1800 lm
- > Available with fixed output or occupancy control for 'On/Off' or dimming
- > Bespoke retrofit gear tray options
- > Easy to install
- > Available with 3 Hour LiFePO4 Lithium Battery Back-up with LedLite DC option



LEDLITE AC-ECO



DESCRIPTION

The LedLite AC-Eco is a driverless LED PCB designed primarily as a retrofit light source to existing luminaires. It is supplied as a PCB base with a clip-on cover to protect against accidental touching of the live components. The LedLite AC-Eco is designed as either a fixed output of the primary driverless circuits on the PCB or occupancy controlled through the MicroMac-PC microwave sensor which can be mounted on the

centre of the PCB. The Inner circuit ring can offer a permanent illumination for comfort lighting or in the event of a mains failure as an emergency light or a combination of both. The emergency version as standard is supplied with Lithium LiFePO4-3.2V-3AH batteries providing a long life, energy efficient emergency lighting support system.

The LedLite AC-can be mounted onto an existing flat gear tray or as a kit format with dedicated gear

tray and connectors if required.

Note: Due to the nature of the LedLite AC Eco being a driverless system, the LED array operates at 230V, and such must always be protected with the bespoke, clear, polycarbonate cover and always isolated from the mains power supply before accessing.

TECHNICAL + OPTIONS

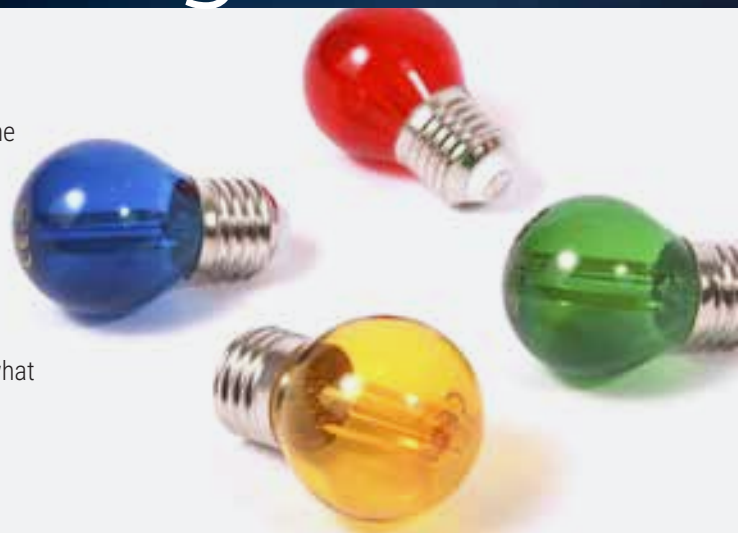
MODEL CODE	WATTAGE	TOTAL LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
LedLite AC-Eco	12W or 18W Switchable	1200 / 1800 lm	3000k (WW) 4000k (NW)	ø 275 mm	EM3/LP4 - Integral Emergency Pack for LedLite DC Circuit only
Inner Ring 2.4W-12V	2.4W	240 lm			

Light Bulb Range

The Morgan Hope range of LED Lamps and Bulbs is extensive to cover most applications from domestic through to commercial including a specialist range for pubs, restaurants, hotels and the leisure industry. The bulbs cover the standard GLS, Golf Ball and Candle types, with a more bespoke range of speciality lamps for commercial use. The range is designed with LED filaments that are fitted as standard with dimmable circuitry to enable use in most application requirements and available, where shown, as clear, opal, amber tinted or coloured.

The Lamp range extends to halogen replacements such as LED based GU10 and G9 and as the range is ever expanding, always check to see what has been added through our ongoing design and technology updates.

Some of our light bulbs are available in various colours as listed in the specification



Golf Ball Lamp

- > 4w filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear (standard) or Opal - if Opal required suffix at end of model code.
- > 360° light output
- > Lamps can be coated with colour finish: Amber / Red / Blue / Yellow / Green
- > Lamp base: SES-E14 / E27 / B22 / SBC
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber and 50% for solid colours).

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
Golf Ball-G45	4w	100 lm/watt Note: Coloured bulbs have reduced output	SES-E14 E27 B22 SBC	2200K 2700K 3000K 4000K 5000K	Opal finish Amber finish Red finish Blue finish Yellow finish Green finish



GLS-A60

- > 4W filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear (standard) or Opal - if Opal required suffix at end of model code.
- > 360° light output
- > Lamps can be coated with colour finish: Amber / Red / Blue / Yellow / Green
- > Lamp base: E27 / B22
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber and 50% for solid colours)

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
GLS-G60	4w	100 lm/watt Note: Coloured bulbs have reduced output	E27 B22	2200K 2700K 3000K 4000K 5000K	Opal finish Amber finish Red finish Blue finish Yellow finish Green finish



G80 Globe Lamp

- > 4W filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear
- > Lamps can be coated with colour finish: Amber
- > Lamp base: E27
- > 80mm diameter
- > 360° light output
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber)

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
G80 Globe	4w	100 lm/watt Note: Coloured bulbs have reduced output	E27	2200K 2700K 3000K 4000K 5000K	Amber finish



G90 Globe Lamp

- > 4W filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear
- > Lamps can be coated with colour finish: Amber
- > Lamp base: E27
- > 90mm diameter
- > 360° light output
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber)

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
G90 Globe	4w	100 lm/watt Note: Coloured bulbs have reduced output	E27	2200K 2700K 3000K 4000K 5000K	Amber finish



G125 Globe Lamp

- > 4W filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear
- > Lamps can be coated with colour finish: Amber
- > Lamp base: E27
- > 125mm diameter
- > 360° light output
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber)

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
G125 Globe	4w	100 lm/watt Note: Coloured bulbs have reduced output	E27	2200K 2700K 3000K 4000K 5000K	Amber finish



Candle Lamp

- > 4w filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear (standard) or Opal - if Opal required suffix at end of model code
- > 360° light output.
- > Lamps can be coated with colour finish: Amber / Red / Blue / Yellow / Green
- > Lamp base: SES-E14 / E27 / B22 / SBC
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber and 50% for solid colours).

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
Golf Ball-G45	4w	100 lm/watt Note: Coloured bulbs have reduced output	SES-E14 E27 B22 SBC	2200K 2700K 3000K 4000K 5000K	Opal finish Amber finish Red finish Blue finish Yellow finish Green finish



Squirrel Lamp

- > 4W filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear (standard)
- > Lamps can be coated with colour finish: Amber (shown)
- > Lamp base: E27
- > Pear Shaped with length of 145mm length x 65mm diameter
- > 360° light output
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber)

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
Squirrel Lamp	4w	100 lm/watt Note: Coloured bulbs have reduced output	E27	2200K 2700K 3000K 4000K 5000K	Amber finish



T30-Tubular Lamp

- > 4W filament technology
- > Dimmable as standard
- > Extensive colour range temperature: 2200K / 2700K / 3000K / 4000K / 5000K
- > Available in Clear (standard)
- > Lamps can be coated with colour finish: Amber
- > Lamp base: E27
- > Linear tubular lamp at 223mm length x 30mm diameter
- > 360° light output
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 100 lm/Watt (note reduction when coated of approximately 30% for Amber)

MODEL CODE	WATTAGE	LUMENS	BASE TYPES	COLOUR TEMPERATURES	COLOUR OPTIONS
T30 Tubular	4w	100 lm/watt Note: Coloured bulbs have reduced output	E27	2200K 2700K 3000K 4000K 5000K	Amber finish



Filament GLS Lamp

- > 6W filament LED GLS lamp.
- > Equivalent of a 60W halogen lamp.
- > Dimmable.
- > High quality LED filament technology to ensure a long life of approx 15,000 hours.
- > 360° degrees light output.

MODEL CODE	WATTAGE	LUMENS	BASE TYPE	COLOUR TEMPERATURE	DIMMABLE
LFM052-6W	6w	810 lm	B22	2700K	YES
LFM053-6W	6w	810 lm	E27	2700K	YES



GU10 LED

- > LED GU10 lamp, a direct replacement for the discontinued 50W halogen.
- > Warm white / cool white light output.
- > Dimmable.
- > Plastic and aluminium heat sink and injection moulded diffuser.

MODEL CODE	WATTAGE	LUMENS	BASE TYPE	COLOUR TEMPERATURE	DIMMABLE
LFM054-WW	7w	500 lm	GU10	2700K	YES
LFM054-NW	7w	530 lm	GU10	4000K	YES
LFM054-CW	7w	550 lm	GU10	6500K	YES



LED PL Lamp

- > A direct LED solution to replace a fluorescent PL lamp.
- > Available in 13w and 5w.
- > Colour options of warm white, natural white and cool white.
- > High output LED light.

MODEL CODE	WATTAGE	LUMENS	BASE TYPE	COLOUR TEMPERATURE	DIMMABLE
LFM006-3K	8w	860 lm	G x 24	3000K	NO
LFM005-3K	13w	1400 lm	G x 24	3000K	NO
LFM006-4K	8w	890 lm	G x 24	4000K	NO
LFM005-4K	13w	1430 lm	G x 24	4000K	NO
LFM006-6K	8w	920 lm	G x 24	6000K	NO
LFM005-6K	13w	1460 lm	G x 24	6000K	NO



G9 LED

- > G9 LED capsule lamp, a direct replacement for the 50W halogen.
- > Great energy savings at only 4W
- > Ceramic body with excellent heat emission

MODEL CODE	WATTAGE	LUMENS	BASE TYPE	COLOUR TEMPERATURE	DIMMABLE
LFM055-4W	4w	220 lm	G9	2700K	NO

Liteflow Flexistrip

FLEXIBLE COB LED STRIP FOR CONTINUOUS LIGHT OUTPUT



APPLICATIONS

- > Edge Lighting
- > Cabinets
- > Under work tops
- > Retail
- > Plinth Lighting
- > Staircases
- > Building Feature Lighting



DESCRIPTION

With the LiteFlow Flexistrip up to 10-metre runs are achievable using a 200W LED driver. With cut points every 60mm

It can be made to suit many applications.

The LiteFlow Flexistrip gives a continuous light emission with no 'spotting' that is experienced with other forms of LED strip.

Direct mount or a wide range of mounting profiles are available depending on the application.

DRIVERS

DRIVER	WATTAGE	OUTPUT	IP RATING
ELG-200-24V-(D)	200 Watts	24VDC	IP65
LPV-150-24V-(D)	150 Watts	24VDC	IP65
LPV-150-24V-(D)	100 Watts	24VDC	IP65
DR-CV-60-24V-(D)	60 Watts	24VDC	IP20 / IP65
DR-CV-40-24V-(D)	40 Watts	24VDC	IP20 / IP65

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	VOLTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	CRI	OVERALL SIZE	OPTION CODE SUFFIX
LITEFLOW FLEXISTRIP	15 Watts/MTR	24VDC	90 lm/w	3000K 4000K 6000K	CRI80	5000mm (W) x 10mm (D)	D - Dimmable

*Default specification.



RIVERSIDE
HIGH SCHOOL

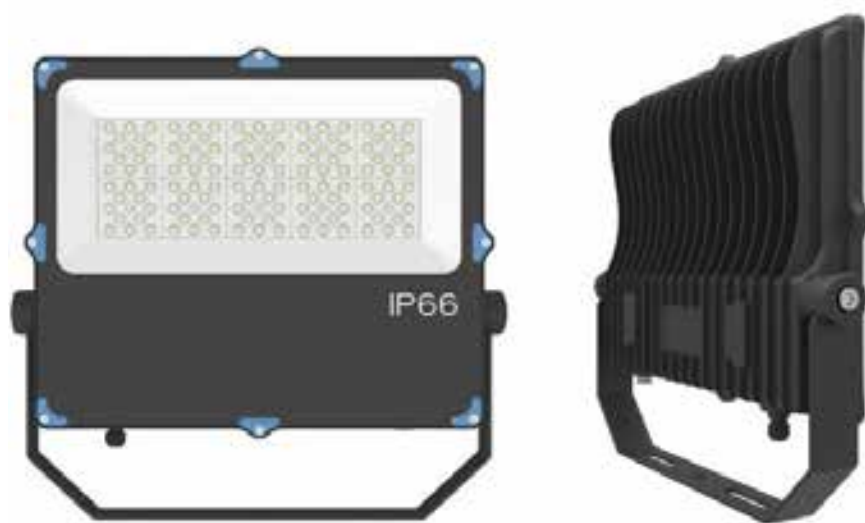
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Exterior Lighting

All of the luminaires within the range are equipped with LED light sources to deliver energy-efficient, high output illumination and a low on-going maintenance.

Astrid Highlite HP2

LED SELECTABLE OUTPUT FLOODLIGHT

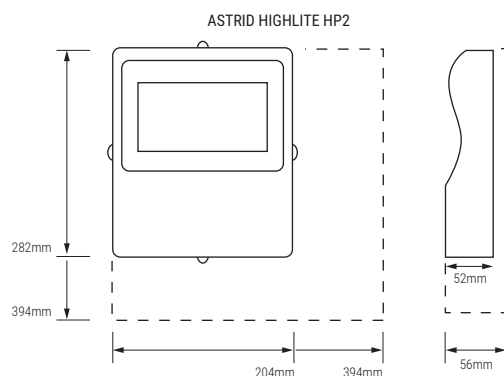


APPLICATIONS

- > Car Parks
- > Outdoor open areas
- > Building feature lighting
- > Parks
- > Car parks
- > Public areas
- > Streets and roads

FEATURES

- > Robust diecast corrosion resistant
- > 130 lm/w
- > IP65
- > 3 output switchable
- > Photocell option
- > PIR option
- > 5-year warranty



DESCRIPTION

The Astrid HighLite HP- range of flood lights come in two sizes offering multiple switchable outputs to suit your application.

The diecast corrosion resistant body comes in a slimline design. With a photocell and PIR option which simply plug into the body when a control option is required.

TECHNICAL + OPTIONS

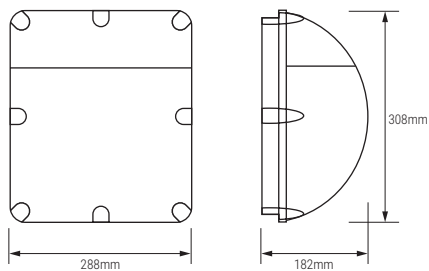
MODEL CODE	COLOUR TEMPERATURE	OVERALL SIZE	OUTPUT SWITCHABLE	OPTION CODE SUFFIX
ASTRID HIGHLIGHT HP2-25/30/50	4000k	282(H) x 204(W) x 52(D) mm	25W / 30W / 50W	PIR - Sensor
ASTRID HIGHLIGHT HP2-75/110/150		394(H) x 394(W) x 56(D) mm	75W / 110W / 150W	PC - Photocell option

Bravo

IP 65 WALL PACK FOR EXTERIOR LIGHTING



BRAVO



DESCRIPTION

The **Bravo** is an IP65 wall pack constructed in polycarbonate with black base and hood and clear reeded diffuser. The **Bravo** provides indirect down light to avoid unnecessary light pollution. It is available with integral photocell for dusk to dawn operation.



APPLICATIONS

> Designed for external wall light applications.

FEATURES

- > Energy efficient with LED light source
- > Vandal Resistant
- > Finished with Black trim
- > Suitable for external use
- > IP65 Rating
- > Designed for full output On/Off switching only
- > Dusk to Dawn photocell option
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system
- > 11W and 30W versions offering 1320 lm & 3600 lm



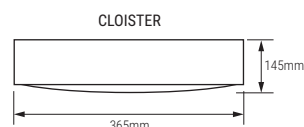
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Bravo 11	11W	1780 lm	Black	3000k 4000k*	308 mm H x 288 mm W x 182 mm D	PC3-LED - Dusk to Dawn Photocell EM3/LP4 - Integral Emergency Pack
Bravo 30	30W	4820 lm				

*Default specification.

Cloister LedLite CC

A ROBUST CAST VANDAL RESISTANT IP65 CIRCULAR LUMINAIRE FOR INTERNAL AND EXTERNAL APPLICATIONS



APPLICATIONS

- > External Walkway and Patio Light
- > External under soffit and access corridor lighting
- > Corridor and Stairwell Lighting

FEATURES

- > IP65 Aluminium Cast Circular Luminaire suitable for internal and external use
- > Available with open face diffuser or eyelid
- > Energy efficient with high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Diffuser mounted in cast housing and fixed to base with security screws
- > Easy to remove gear tray
- > Finished with grey, white or black trim
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral LiFePO4 Lithium Battery Emergency Back-up system



DESCRIPTION

The **Cloister** is an IP65 Circular Decorative Luminaire designed for applications requiring robust vandal resistant fittings for both internal and external use, providing energy efficient LED lighting with high output illumination. The luminaire is constructed with a cast base, integral gear tray and semi-transparent diffuser in a cast housing that is fixed to the base with security screws - ideal for use where luminaire access needs to be restricted. It is available in grey or white as standard and supplied with either an open face or with an Eyelid.

The **Cloister** incorporates the LedLite CC LED PCB, providing a lifespan in the region of 100,000 hours.

Cloister LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Semi-transparent Diffuser.

Cloister LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch and supplied with Semi-transparent Diffuser.

Cloister LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac Microwave Occupancy Detector of the linked circuits. Supplied with Semi-transparent Diffuser.

Cloister LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Semi-transparent Diffuser.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Cloister LedLite CC 20W	20W	2080 lm	White* Grey Black	3000k 4000k*	365 mm ø x 145 mm H	OP - Opal Diffuser
Cloister LedLite CC 23W	23W*	2390 lm				WH - White Trim
Cloister LedLite CC 25W	25W	2600 lm				GR - Grey Trim
						BLK - Black Trim
						Eyelid - With eyelid diffuser
						EM3/LP4 - Integral Emergency Pack
						PC - Photocell

*Default specification.

Impala LedLite CC

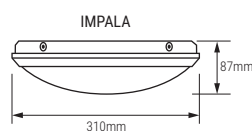
A LOW PROFILE, ROBUST VANDAL RESISTANT IP65 CIRCULAR LUMINAIRE FOR INTERNAL AND EXTERNAL APPLICATIONS



Skirt also available in black



Eyelid also available in white



APPLICATIONS

- > External Walkway, Under Soffit and Patio Lighting
- > Access Corridor and Stairwell Lighting
- > Entrance Lobbies and Store Rooms
- > Bathrooms and Toilets

FEATURES

- > Low Profile IP65 Polycarbonate Decorative Circular Luminaire for internal & external use
- > 4 side entry conduit points
- > Clip-on rings for Eyelid feature, Skirt trim and all available in black or white
- > Energy efficient high output LED light source
- > Dual circuit PCB to enable background comfort light
- > Variable output options
- > Plug-in connector for mains supply
- > Diffuser fixed with security screws
- > Easy to remove gear tray
- > Finished with white trim and opal diffuser
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Available with integral emergency battery back-up



DESCRIPTION

A Low Profile IP65 Circular Decorative Luminaire designed for applications requiring robust vandal resistant fittings for both internal and external use, providing energy efficient LED lighting with high output illumination. The luminaire is constructed with a polycarbonate body, integral gear tray - finished with white trim and Opal polycarbonate diffuser fixed in place with security screws. To facilitate conduit entry there are 4 x side access points positioned evenly around the base of the luminaire.

An important aspect of the Impala is the incorporation in the design of the clip-on ring providing flexibility of appearance with options of Eyelid or Skirt feature in Black or White.

The Impala incorporates the LedLite CC LED PCB, providing a lifespan in the region of 100,000 hours.

Impala LedLite CC-3/1-MicroMac - twin Circuit LedLite LED PCB and Drivers to enable switching by the MicroMac Microwave Detector at full output only during occupancy, with low wattage secondary circuit providing permanent comfort light when unoccupied. Supplied with Opal Diffuser.

Impala LedLite CC-Dali Dim - Linked Single Circuit LedLite LED PCB for dimming operation from the dimmable driver to be operated by integral detector or remote dimmer switch. Supplied with Opal Diffuser.

Impala LedLite CC-MicroMac - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by the MicroMac Microwave Occupancy Detector of the linked circuits. Supplied with Opal Diffuser.

Impala LedLite CC - Linked Single Circuit LedLite LED PCB and Driver to enable complete "On/Off" switching by remote switch of the linked circuits. Supplied with Opal Diffuser.

Also available is the **Impala LedLite -CC Triac Dim** to enable dimming from a recommended remote dimmer switch - **Impala LedLite Eco** for areas where high performance is not essential.

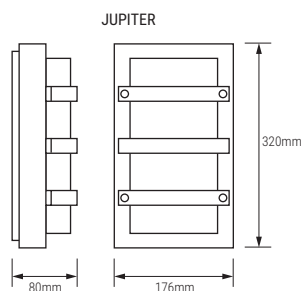
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Impala LedLite CC 16W	16W	1600 lm	White* Black with clip-on ring	3000k 4000k*	ø 310 mm x 87 mm H	SKBLK - Skirt Trim Black
Impala LedLite CC 18W	18W*	1800 lm				SKWH - Skirt Trim White
Impala LedLite CC 20W	20W	2020 lm				ELIDBLK - Eyelid Black ELIDWH - Eyelid White EM3 - Integral Emergency Pack PC - Photocell

*Default specification.

Jupiter LedLite

IP 65 DECORATIVE EXTERIOR WALL LIGHT



APPLICATIONS

- > Primarily designed for external applications; however can be used internally

FEATURES

- > Decorative bespoke design
- > Energy efficient high output LED light source
- > Vandal Resistant
- > Finished with Grey or Black trim - White available for special orders
- > Suitable for internal and external use
- > Diffuser fixed with security screws
- > IP65 Rating
- > Proprietary Drivers
- > Designed for full output "On/Off" switching only
- > Dusk to Dawn photocell option
- > Available with integral LiFePO4 Lithium Battery Back-up system



DESCRIPTION

The **Jupiter LedLite** is a high performance luminaire offering an aesthetically pleasing, bespoke designed light fitting, rated to IP65 and primarily for external or semi humid environments

Constructed to a high quality in cast aluminium, the Jupiter is suitable for cable access either by side entry or through the rear.

It is designed with an integral gear tray, high output 20 Watt LED PCB, proprietary driver, opal diffuser and a decorative strap style front fascia, which is fixed with security screws, restricting access to the fitting without appropriate tooling. As the Jupiter is constructed with a cast aluminium housing, it offers the added value of providing a decorative yet robust

anti-vandal luminaire for installation in all environments.

The Jupiter incorporates the LedLite Linear LED PCB, providing a lifespan in the region of 100,000 hours.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Jupiter LedLite 20W	20W	1600 lm	Grey Black White (Special Order)	3000k 4000k*	176 mm W x 320 mm H x 80 mm D	GR - Grey Trim colour BLK - Black Trim colour PC3-LED - Dusk to Dawn photocell EM3/LP4 - Integral Emergency Pack

*Default specification.

Saturn LedLite

IP 65 DECORATIVE WALL LIGHT FOR EXTERIOR LIGHTING

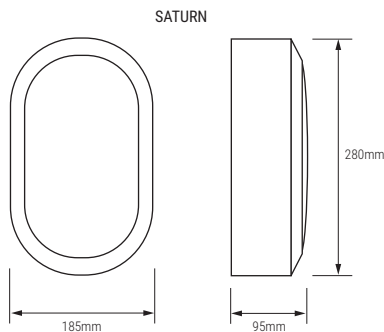


APPLICATIONS

- > Primarily designed for external applications; however can be used internally

FEATURES

- > Compact Decorative design
- > LED PCB light source with proprietary branded driver
- > Constructed in cast aluminium and finished with Grey trim
- > Suitable for internal and external use
- > Opal Diffuser fixed with security screws
- > IP65 Rating
- > Designed for full output 'On/Off' switching only
- > Available with integral 3 hour emergency LiFePO4 lithium battery back-up



DESCRIPTION

The **Saturn** is a compact oval wall light, rated to IP65 and primarily for external or semi humid environments. It is constructed in cast aluminium, providing rear cable entry option only and finished with grey trim. The polycarbonate opal diffuser is fitted in place with security screws.

It is designed to be operated with the 10 Watt

LedLite LED PCB and operated with a proprietary branded driver under model reference **Saturn LedLite-10W** and is available with integral 3 hour emergency back-up, using the LiFePO4 lithium battery technology, providing extended battery life. It is suitable for remote switching only and is not available with an integral photocell.

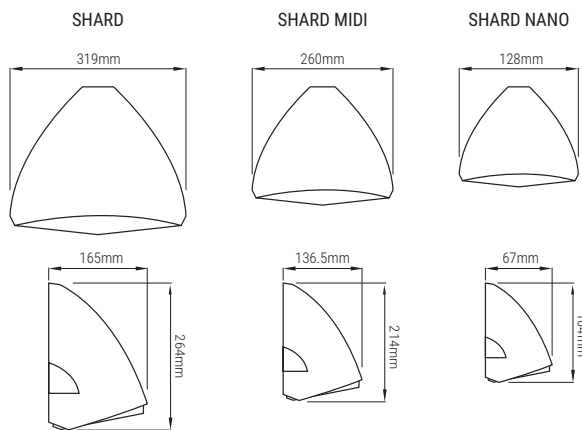
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Saturn LedLite-10W	10W	1020 lm	Grey	3000k 4000k*	280 mm H x 185 mm W x 95 mm D	EM3LP4 - Integral Emergency Pack

*Default specification.

MHI-Shard LED

AMENITY IP65 LED WALL LIGHT



APPLICATIONS

- > Designed for internal and external use
- > Schools, hospitals, commercial and industrial buildings, residential and apartment complexes
- > External walkways

FEATURES

- > High efficiency, up to 140lm/w, non-flickering driver
- > Wattage / lumen output selectable
- > Modern and minimalist design, screw-less from front
- > IP65 ingress protection and IK10 impact resistance
- > Suitable for rear and side cable entry
- > Suitable for conduit and BESA box installation
- > PCB integrated with diffuser for easy installation
- > Various optic options to achieve different beam angles and light distribution
- > IP66 optional



DESCRIPTION

This high-performance LED bulkhead light merges a minimalist aesthetic with industrial-grade durability. Delivering an exceptional efficacy of up to 140lm/W, the fixture provides crisp, uniform illumination powered by a non-flickering driver to ensure visual comfort and stability in any environment.

The design prioritises both form and function; its

screw-less front facade offers a clean, contemporary look, while the rugged housing boasts IP65 ingress protection and IK10 impact resistance. For projects requiring maximum weatherproofing, an IP66 rating is also available as an option.

Versatility is at the core of this luminaire. With selectable wattage and lumen output, a single unit

can be tailored to various mounting heights and lighting requirements on-site. Installation is streamlined via a diffuser-integrated PCB, allowing for faster handling, while comprehensive mounting support - including rear/side cable entry, BESA box, and conduit compatibility - ensures seamless integration into any infrastructure.

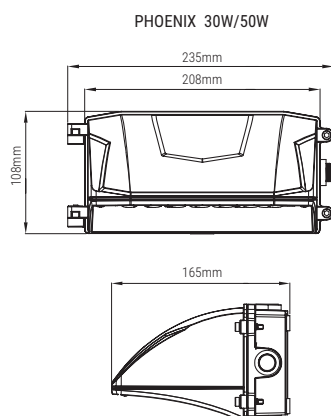
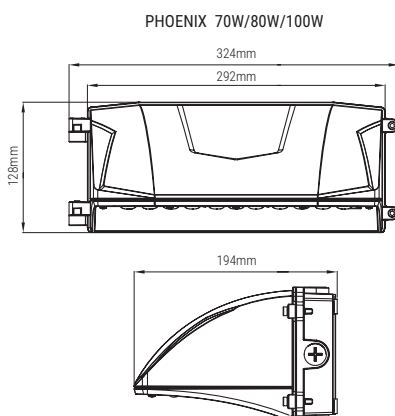
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	TRIM COLOUR	OVERALL SIZE	OPTION CODE SUFFIX
SHARD	13/18/28 Watts Selectable	140 lm/W	3000K 4000K 6500K CCT Changeable	AN: Anthracite GR: Grey BK: Black	319 mm (W) x 264 mm (H) x 156 mm (D)	M3 - Emergency M5 - Microwave Sensor PC - Photocell
SHARD-MIDI	7/8/10/12 Watts Selectable	140 lm/W			260 mm (W) x 214 mm (H) x 136.5 mm (D)	OA - Open Area Light Distribution AS - Asymmetric Light Distribution
SHARD-NANO	4.8 Watts	140 lm/W			128 mm (W) x 104 mm (H) x 67 mm (D)	DALI

*Default specification.

Phoenix

IP 65 LED WALL WASH FLOOD FOR EXTERIOR LIGHTING



APPLICATIONS

- > Designed for external wall wash and floodlight applications.
- > Schools, hospitals, commercial and industrial buildings, residential and apartment complexes
- > External walkways
- > Under soffits

FEATURES

- > Energy efficient high output - 140lm/watt
- > 30W/50W/70W/80W/100W output options to meet varying illumination demands
- > Compact
- > IP65 ingress protection
- > Opening hinge for access & easy installation
- > Vandal Resistant
- > Finished with Black trim
- > For full output 'On/Off' switching only
- > Dusk to Dawn photocell option
- > Operating temperature -20° to +80°C



DESCRIPTION

The Phoenix is a robust but attractive IP65 wall pack designed with an optical lens system providing a combination of downward and flood illumination. It is constructed in cast aluminium with black trim, plus hinged opening for ease of installation and access. The range consists of 5 outputs covering 30W/50W/70W/80W/100W each providing 140 lumens per Watt.

Due to the unique design of the optical lens system, the Phoenix offers high output illumination but with significantly reduced light pollution. The light throw will depend on the mounting height and the model chosen but some examples are given in the table based on a mounting height of 4m:

It is available with integral photocell for dusk to dawn operation.

OUTPUT (W)	LUX LEVEL SPREAD AT MOUNTING HEIGHT OF 4M				
100	210	121	27	6	2
80	178	95	20	4	2
70	159	86	18	4	2
50	129	69	13	3	1
30	61	44	10	2	1
2 4 6 8 10 DISTANCE FROM FITTING (METRES)					

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	TRIM COLOUR	OVERALL SIZE	OPTION CODE SUFFIX
PHOENIX-30W	30 Watts	4200 lm	3000K 4000K*	Black	108 mm (H) x 235 mm (W) x 165 mm projection	PC - Photocell
PHOENIX-50W	50 Watts	7000 lm				
PHOENIX-70W	70 Watts	9800 lm				
PHOENIX-80W	80 Watts	11200 lm				
PHOENIX-100W	100 Watts	14000 lm			128 mm (H) x 324 mm (W) x 194 mm projection	

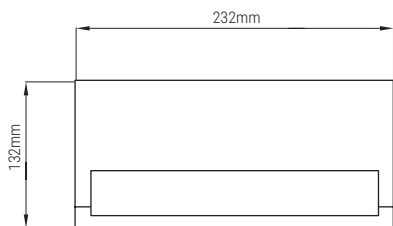
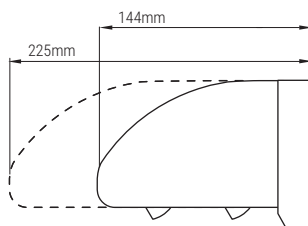
*Default specification.

Phoenix UD Wall Wash Flood Light

LED 180 DEGREE ROTATABLE FLOOD LIGHT



PHOENIX UD



APPLICATIONS

- > Warehouses, Car Parks & Garages
- > Apartments
- > Factories and Retail
- > Security Lighting
- > Sign Lighting
- > Building Feature Lighting
- > Street and walkway lighting

FEATURES

- > Energy Efficient with significant energy savings over discharge and halogen lighting
- > Reduction in consumption of up to 92%
- > Compatible with controls such as timers, dusk to dawn photocells and occupancy sensors
- > IP rated against water ingress
- > Various LED output options with life expectancy 50,000+ hours
- > Immediate strike up
- > IP66 rated against water ingress
- > Range of models from 25 Watts to 120 Watts to meet most applications



DESCRIPTION

The Phoenix UD Wall wash Floodlight is a versatile range of LED Lighting Systems specifically developed to meet most applications of Flood, Security and Building Accent Lighting. This comprehensive range is designed using high performance driver technology, with power ratings from 25 Watts through to 120 Watts. It is designed with a robust housing for applications such as car parks, areas subject to potential vandalism or

industrial environments.

Energy efficiency with reduced maintenance is of prime importance and the Phoenix UD Range offers multiples of options to replace discharge and halogen lighting. Unlike discharge lighting the LED light source provides immediate illumination on striking and operates at full output in freezing environments.

OUTPUT (W)	LUX LEVEL SPREAD AT MOUNTING HEIGHT OF 4M				
	210	121	27	6	2
120	210	121	27	6	2
80	178	95	20	4	2
60	159	86	18	4	2
40	129	69	13	3	1
25	61	44	10	2	1
2 4 6 8 10 DISTANCE FROM FITTING (METRES)					

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	TRIM COLOUR	OVERALL SIZE	OPTION CODE SUFFIX
PHOENIX UD-25W	25 Watts	3000 lm	3000K 4000K 5000K* 5700K	Black / White	232mm (W) x132mm (H) x 144mm (D)	PC - Photocell
PHOENIX UD-40W	40 Watts	4800 lm				
PHOENIX UD-60W	60 Watts	7200 lm				
PHOENIX UD-80W	80 Watts	9600 lm				
PHOENIX UD-120W	120 Watts	14400 lm			232mm (W) x 132mm (H) x 225mm (D)	

*Default specification.

Astrid Manta

LED STREET LIGHT HEAD

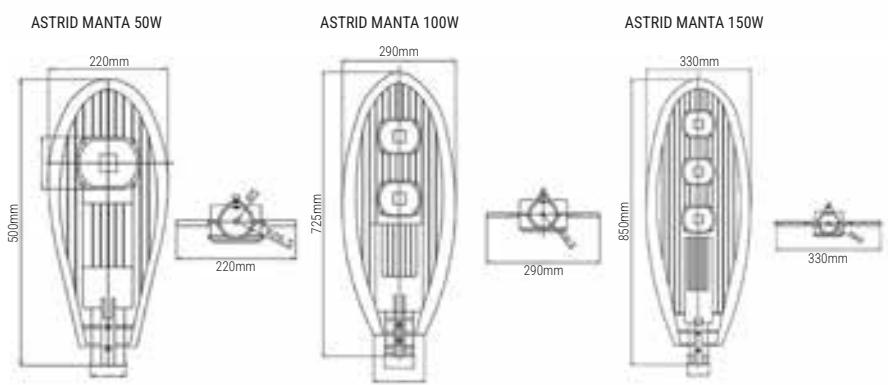


APPLICATIONS

- > LED upgrade of discharge street light heads and wall mounted projection lighting

FEATURES

- > LED with low energy consumption and low thermal output
- > Unique low profile design
- > 120lm/Watt
- > Aluminium fin-shaped heat-sink to enhance heat dissipation
- > Energy Savings of up to 75%
- > Integrally mounted driver
- > IP65 rated
- > Ideal replacement of high output street lamp heads for LED upgrade from discharge lamps



DESCRIPTION

The Astrid Manta is an IP65 street light head designed with an attractive low profile housing and supplied with three options of output dependent upon specific application requirements. Rated at either 50 Watt - 100 Watt - 150 Watt the Astrid Manta is constructed with a black aluminium

die-cast body, acting as a heatsink for the LED PCBs, optic lens cover, driver and is supplied with a standard mounting collar of 60mm for 100W and 150W with 54mm for the 50W. Adapter kits to enlarge to 76mm are available for either post top or wall bracket mounting.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Astrid Manta-50W	50 Watts	6000 lm	5000K (W) Default 4000K (NW) to order	500 mm (L) x 220 mm (W) x 60 mm (H)	PC - Photocell
Astrid Manta-100W	100 Watts	12000 lm		725 mm (L) x 290 mm (W) x 75 mm (H)	
Astrid Manta-150W	150 Watts	18000 lm		850 mm (L) x 330 mm (W) x 75 mm (H)	

Dorchester Bollard

STYLISH LED BOLLARD SERIES



APPLICATIONS

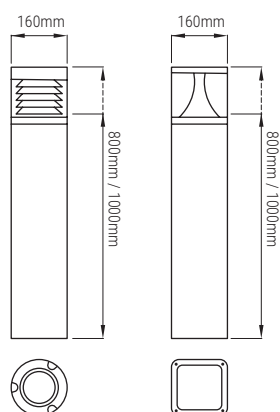
- > Car Parks
- > Outdoor Walkways
- > Parks
- > Public Areas

FEATURES

- > Robust Die-Cast Corrosion Resistant
- > 25W up to 1800lm
- > IP65
- > 2 CCT Switchable 3000K/400K
- > Grey or Black Body
- > Sensor Options - PIR, Photocell
- > Emergency Option
- > Low Glare
- > 3-year warranty



DORCHESTER BOLLARD



DESCRIPTION

The Dorchester Range of bollard lighting come with an IP65 rating and a tough die-cast with corrosion resistant coated body making them ideal for outdoor amenity applications such as pathways and public areas and coastal environments.

Available in square or round profile, black or grey colour, 800mm or 1000mm height.

The built in CCT switch offers the option of 3000k or 4000k colour rendering and a lumen output up to 1800lm.

Anchor kits and suitable screws are available on request.

TECHNICAL + OPTIONS

MODEL CODE	DIMENSIONS	COLOUR TEMPERATURE	TRIM COLOUR	OPTION CODE SUFFIX
DOR-25-800-RND	800mm (H) X 160MM (W)	2CCT Switchable 3000k/4000k	Black/Grey	PIR – Sensor PC – Photocell EM – Emergency LVR - Louvred
DOR-25-1000-RND	1000mm (H) X 160MM (W)			
DOR-25-800-SQ	800mm (H) X 160MM (W)			
DOR-25-1000-SQ	1000mm (H) X 160MM (W)			
DOR-RTK Root Mount Kit				

Lincoln Bollard

STYLISH LED BOLLARD SERIES



APPLICATIONS

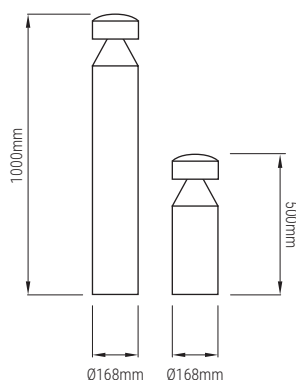
- > Car Parks
- > Outdoor Walkways
- > Parks
- > Public Areas

FEATURES

- > Robust Die-Cast Corrosion Resistant
- > 25W up to 1100lm
- > IP65
- > 2 CCT Switchable 3000K/400K
- > Black Body
- > Photocell Option
- > Emergency Option
- > Low Glare
- > 3-year warranty



Lincoln Bollard



DESCRIPTION

The Lincoln Range of bollard lighting come with an IP65 rating and a tough die-cast with corrosion resistant coated body making them ideal for outdoor amenity applications such as pathways and public areas and coastal environments.

Available in 500mm or 1000mm height.

The built in CCT switch offers the option of 3000k or 4000k colour rendering and a lumen output up to 1100lm.

Anchor kits and suitable screws are available on request.

TECHNICAL + OPTIONS

MODEL CODE	COLOUR TEMPERATURE	TRIM COLOUR	OVERALL SIZE	OPTION CODE SUFFIX
LINC-25-500	2CCT Switchable 3000K / 4000K	Black	500mm x Ø168mm	PC - Photocell EM - Emergency
LINC-25-1000			1000mm x Ø168mm	
LINK-RTK Root Mount kit				

*Default specification.



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Emergency Lighting

Emergency lighting is a necessary and important requirement for the safety of and where required, the evacuation of occupants from buildings subject to power failures, or situations relating to causes that may endanger such occupants. General emergency lighting tends to be based on 3 hour battery back-up and is provided either as integral to the main luminaire or as a dedicated remote emergency unit. Morgan Hope offers a range of products to cover most emergency LED lighting needs from general escape route illumination to exit legend signage, all of which are outlined within this section.

With regards to our Integrated Emergency Back-up Systems, integral to the luminaires, we are currently going through a process of upgrading, over the coming months, our existing battery

options from NiCd batteries to Lithium technology with LiFePO4. There are various reasons to adopt this newer technology but the three main benefits are:

■ **LOWER PARASITIC LOAD (POWER CONSUMPTION)** - NiCd batteries require constant trickle charging to maintain their charge. This equates to a power consumption of circa 5W, whereas the self-discharge of the LiFePO4 batteries is minimal at circa 5% per month, resulting in initial charge at commissioning stage and only tops up as and when required, as opposed to constant trickle charge. This reduces power consumption to circa 1.2W, which when extended throughout multiples of luminaires within a building, could make a significant energy cost reduction.

■ **LONGER LIFE** - in accelerated testing LiFePO4 batteries still last 3-hours after a 12 year simulated lifespan and as such the envisaged life expectancy should be between 4 to 8 years dependant on application and operational usage, with 8 years not being unrealistic.

■ **IMPROVED ENVIRONMENTAL IMPACT** - Cadmium used in NiCd batteries is highly toxic and the manufacturing process is detrimental to the environment. Globally, governments are attempting to ban NiCd batteries, but historically there have been no suitable alternatives. NiMH batteries were thought to be the next step, but they are simply not reliable enough. The introduction of LiFePO4 batteries provides a solution to overcome the shortcomings of using NiCd batteries.

MHI-LedLite-LP4 Emergency Kit

RETRO-FIT LED EMERGENCY BATTERY BACK-UP

APPLICATIONS

- > Emergency lighting upgrades for circular luminaires for corridors, lobbies, open plan areas and general office space.

FEATURES

- > 3 hour emergency battery back-up
- > Non-maintained as standard
- > Rated at 3 Watts delivering up to 220 lumens
- > Model options available for self-test
- > Lithium Battery operated with LiFePO4 - 3.2V - 3Ah



DESCRIPTION

The MHI-LedLite-LP4 Emergency Kit is a retro-fit option to repair or upgrade luminaires with emergency battery back-up. It is designed as a circular ring rated at 3W, measuring 150mm in diameter with a centre cut-out hole of 105mm and functions as non-maintained from the combination of the module and battery pack. The kit is supplied as standard with Lithium LiFePO4 - 3.2V - 3Ah batteries providing a long life, energy efficient emergency lighting support system.

Photometric testing shows as a guideline that to achieve 1 lux on the centreline of escape routes within corridors at 2.5M mounting height the space between each MHI-LedLite-LP4 Emergency Kit to be 9M. For 0.5 lux in open plane areas at 2.5M mounting height spacing to be 9M in either direction.

PCB is available in a circular or linear option to suit its application.

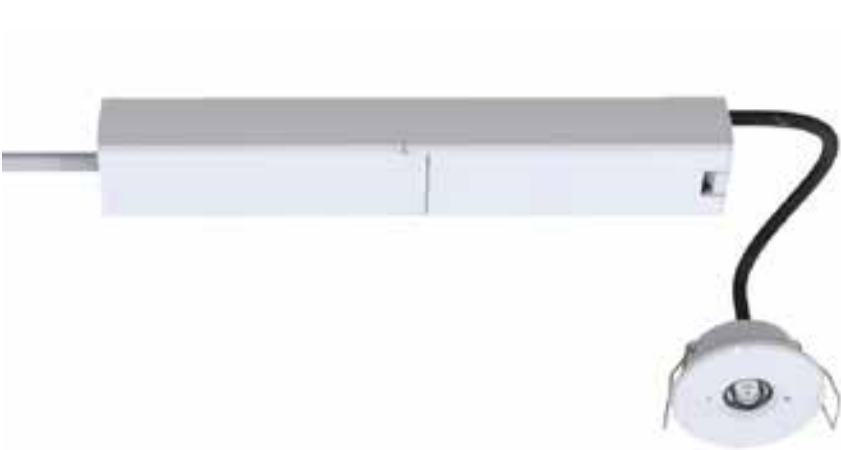
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
MHI-LedLite	3w	220 lm	4000K	105 mm (inner centre cut-out) x 150 mm ø	ST - Self-Test

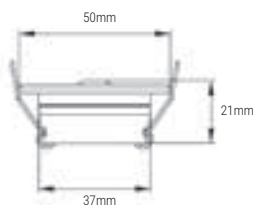
*Default specification.

Omega 3 LTM-V2-1W-EM3

LED EMERGENCY RECESSED DOWNLIGHT



OMEGA 3 LTM-V2-1W-EM3



APPLICATIONS

- > Schools, hospitals, commercial buildings,
- > Emergency exit routes
- > Open area emergency lighting

FEATURES

- > Compliant to EN 61347-1, EN 61347-2-7, EN 61347-2-13, EN 62034
- > 3.5W 160lm
- > IP20 - indoor application
- > Maintained or non-maintained selectable
- > Manual or self-test selectable
- > White and black bezels supplied
- > Lithium ion battery
- > Recessed mount
- > 5-year warranty



DESCRIPTION

The Omega3 LTM-V2-1W-EM3 emergency lighting LED downlight suitable for recessing in suspended ceiling applications. At only 3.5W and offering 160lm it punches above its weight in functionality. Using Lithium-ion battery technology it has an extended lifespan with a 5-year warranty as standard.

Non-maintained or maintained and self-test or manual test switchable as standard.
A choice of white or black bezels and open area and corridor lenses as standard.
5-year warranty

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	Modes	COLOUR TEMPERATURE
Omega 3 LTM-V2-EM3	3.5W	160 lm	Maintained Non-Maintained Self-Test	6500K

Omega LTM-1.5W-SM

SURFACE MOUNT LED EMERGENCY LIGHTING MODULE



APPLICATIONS

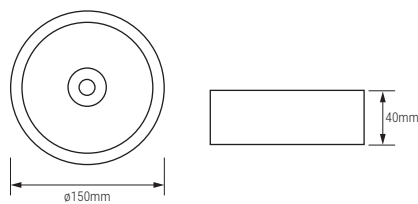
- > Corridors
- > Lobbies
- > Open Plan Areas
- > Reception Areas
- > Communal Areas

FEATURES

- > 150 lumens
- > Li-ion battery
- > 3Hr Operation
- > Charging Time <24hrs
- > Non-Maintained
- > Self-Test optional
- > IP20
- > 5 Year Warranty



OMEGA LTM-1.5W-SM



DESCRIPTION

The Morgan-Hope LED Omega LTM-1.5W-SM Emergency lighting unit is for surface mount to solid ceiling applications. At only 1.5W and offering 150 lumens it punches above its weight in functionality.

Using Lithium-Ion battery technology the Omega LTM-1.5-SM has an extended lifespan with a 5-year warranty as standard.

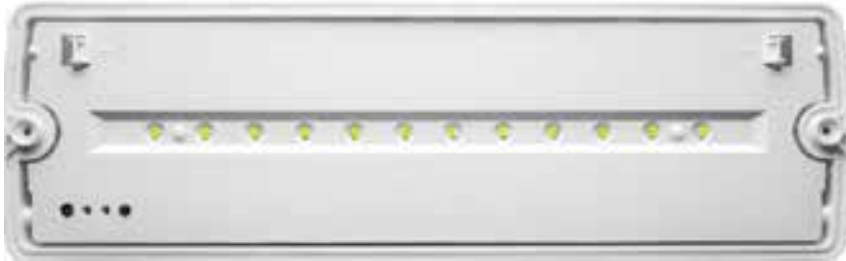
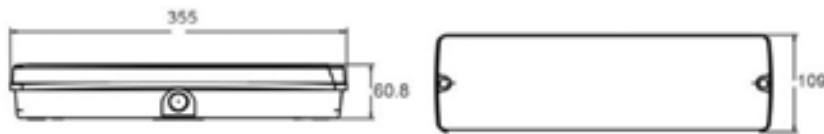
Non-maintained as standard with self-test option available and open area or corridor lens options the Omega LTM-1.5-SM covers all areas.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	TRIM COLOURS	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
Omega LTM-1.5W-SM	1.5W	150 lm	White	4000K	ø150 mm x 40 mm (H)	ST - Self Test C - Corridor Lens

Viscount LTM-EM3

LED EMERGENCY BULKHEAD - IP65 ROBUST FITTING



DESCRIPTION

High performance emergency bulkhead constructed with a white polycarbonate back body and semi transparent diffuser.

It is designed for either surface or semi-recessed mounting.

The versatility of design offers a fitting that is universal for maintained and non-maintained, suitable for escape route lighting and escape route signage with configurable legends included as standard and is rated to IP65 for both internal and external applications.

APPLICATIONS

- > Schools, hospitals, commercial buildings, industrial buildings, residential
- > External walkways
- > Emergency exit routes
- > Emergency exit doors

FEATURES

- > BS 60598-2-22 and ISO 7010 compliant
- > LIA certified
- > IP65
- > IK10 impact rating
- > Low stand-by power consumption < 0.5W (NM)
- > Self-test version available
- > Lithium battery
- > Maintained or non-maintained configurations
- > Suitable for indoor or outdoor applications
- > Surface or recessed mount
- > Hinged internal back plate for ease of wiring
- > 5-year warranty

SPECIFICATION

- > Input voltage / frequency - 220-240V AC 50Hz
- > Discharge duration - 3-hours
- > Charge duration - <24-hours
- > Battery type - Li-Ion 3.6V 2.5Ah
- > Housing - Polycarbonate
- > Diffuser - Polycarbonate



TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	OPERATING TEMPERATURE	TRIM COLOUR	OVERALL SIZE	OPTION CODE SUFFIX
Viscount LTM-EM3	0.5W NM 3W M	170 lm	0-40°C	Matt White	109 mm (H) x 355 mm (W) x 60.8 mm (D)	ST - Self Test PC2 - Integral Photocell

*Default specification.

SignLite Combi LTM-V2-EM3

LED DEEP PROFILE EMERGENCY EXIT SIGN



APPLICATIONS

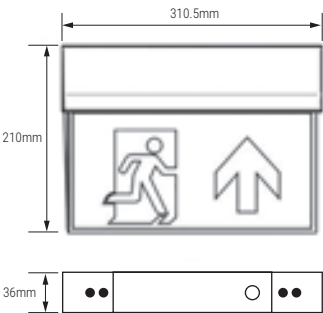
- > Schools, hospitals, commercial buildings,
- > Emergency exit routes
- > Emergency exit doors

FEATURES

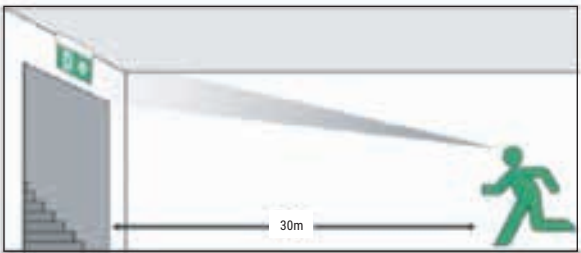
- > BS 60598-2-22 and ISO 7010 compliant
- > Double sided legend
- > Viewing distance 30m
- > 3.5W 160lm output
- > Maintained, non-maintained and self-test
- > Lithium battery
- > IP20
- > 5-year warrant



SIGNLITE COMBI LTM-V2-EM3



VIEWING DISTANCE



DESCRIPTION

The SignLite Combi LTM-V2-EM3 is a versatile exit sign providing various fixing options LED Deep Profile emergency exit sign, constructed with a polycarbonate housing and designed with interchangeable legend signs.

Illuminated with high output 6500K LEDs and rated

at 3.5 watts. It can be operated as maintained, non-maintained, self-test or manual test as standard providing 3-hour battery back-up.

Comes complete with recessing and flag mount kits.

TECHNICAL + OPTIONS

MODEL CODE	POWER CONSUMPTION	LUMENS	VIEWING DISTANCE	MODES	COLOUR TEMPERATURE
SignLite-Combi LTM-V2-EM3	3.5W	160 lm	30 Metres	Maintained Non-Maintained Self-Test	6500K

SignLite LTM-V2-EM3

LED DEEP PROFILE EMERGENCY EXIT SIGN

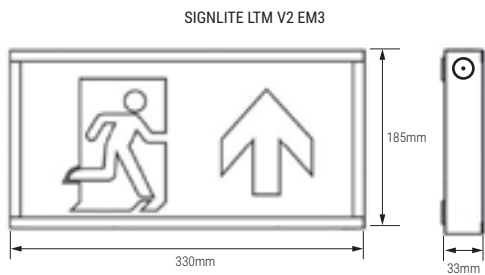


APPLICATIONS

- > Schools, hospitals, commercial buildings
- > Emergency exit routes
- > Emergency exit doors

FEATURES

- > BS60598-2-22 and ISO 7010 compliant
- > Viewing distance 32m
- > 3W 150lm output
- > Maintained, non-maintained and self-test
- > Lithium battery
- > IP20
- > IK07
- > 5-year warranty



DESCRIPTION

The SignLite LTM-V2-EM3 is an LED Deep Profile emergency exit sign, constructed with a polycarbonate housing and designed with interchangeable legend signs.

The body is finished in white polycarbonate and

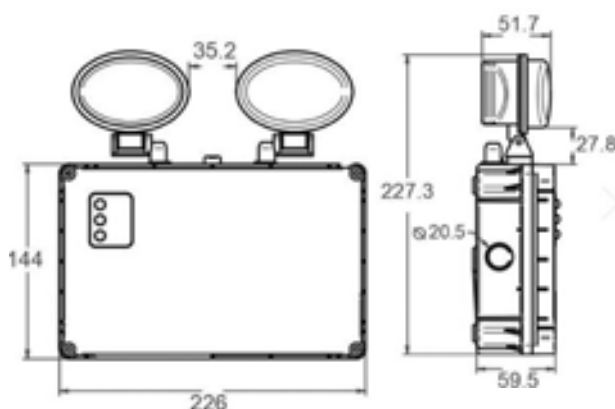
illuminated with high output 6500K LEDs and rated at 3Watts. It can be operated as maintained, non-maintained and Self-Test as standard providing 3-hour battery back-up. 5-year warranty

TECHNICAL + OPTIONS

MODEL CODE	POWER CONSUMPTION	VIEWING DISTANCE	MODES	COLOUR TEMPERATURE	OPTIONS PREFIX
SignLite LTM-V2-EM3	3W	32 Metres 50lm	Maintained Non-Maintained Self-Test	6500K	SLAD - Arrow Down SLAU - Arrow Up SLAL - Arrow Left SLAR - Arrow Right

Odet LTM-3W EM3

LED EMERGENCY TWINSPOT – IP65 FITTING



APPLICATIONS

- > Schools, hospitals, commercial buildings, industrial buildings, residential
- > External walkways
- > Emergency exit routes
- > Emergency exit doors

FEATURES

- > BS 60598-2-22 and ISO 7010 compliant
- > LIA certified
- > IP65
- > IK10 impact rating
- > Low stand-by power consumption < 0.5W
- > Self-test versions & remote controls available
- > Lithium battery
- > Non-maintained 350lm in emergency mode
- > Suitable for indoor or outdoor applications

SPECIFICATION

- > Input voltage / frequency - 220-240V AC 50Hz
- > Discharge duration - 3 hours
- > Charge duration - <24 hours
- > Battery type - Li-Ion 3.6V 2.5Ah
- > Housing - Polycarbonate
- > Diffuser - Polycarbonate
- > LED lifespan - 50,000 hours



DESCRIPTION

The Odet LTM-3W-EM3 is an IP65 emergency twin-spot flood light suitable for indoor or outdoor open area applications.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	OPERATING TEMPERATURE	TRIM COLOUR	OVERALL SIZE	OPTION CODE SUFFIX
ODET LTM-3W EM3	6W (max) 0.5W (standby)	350 lm	0-40°C	Matt White	127 mm (H) x 226 mm (W) x 59.5 mm (D)	ST - Self Test

*Default specification.

A photograph of a long, rectangular industrial LED light fixture hanging from a ceiling with corrugated metal panels. The fixture is white and has a chain and a cable for suspension. The background is a blue gradient.

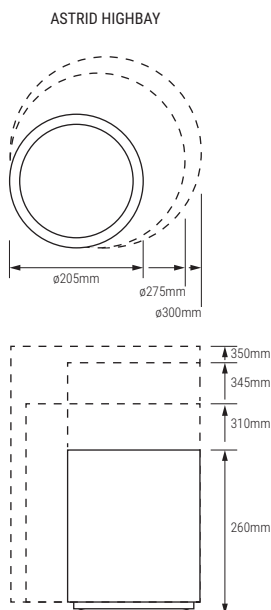
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Industrial Lighting

All of the luminaires within the range are equipped with LED light sources to deliver energy-efficient, high output illumination and a low on-going maintenance.

Astrid LED HighBay

RANGE OF HIGH OUTPUT INDUSTRIAL LUMINAIRES



APPLICATIONS

- > Factory Lighting
- > Warehouse Lighting
- > Sports Halls
- > Car Parks

FEATURES

- > Energy efficient with high output LED light source
- > Variable output options
- > IP65
- > Supplied as standard with 0V to 10V dimmable driver
- > Compatible with occupancy and daylight control systems, either integrally mounted or remote
- > Reflector options available
- > Available with emergency battery back-up



DESCRIPTION

The Astrid HighBay LED Range of Industrial Luminaires are designed with the latest high output SMD/LED technology providing high levels of efficiency for applications of industrial use and a lifespan in the region of 100,000 hours.

Unlike discharge lighting, LED supports occupancy and daylight control and the Astrid LED HighBay is

supplied with 0V to 10V dimmable drivers as standard, facilitating the incorporation of sensor control systems, when required. The MicroDim Detector offers full output during occupancy and dims to 10% when unoccupied, providing health and safety comfort background light, whereas the MicroMac is based on "On/Off" switching only.

Emergency battery back-up is available, however due to potential long range mounting positions, a separate high output emergency pack would be required by attaching to the luminaire on a bracket or for remote fixing.

TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LAMP LUMEN OUTPUT	DIM SYSTEM COMFORT LIGHT APPROX. MIN. CONSUMPTION	COLOUR TEMPERATURE	OVERALL SIZE	OPTION CODE SUFFIX
ASTRID LED HIGHBAY 80W	80 Watts	8450 lm	8 - 12 Watts	5000k	ø 205 mm x 260 mm (H)	MicroDim - Microwave 0V to 10V Dimming Control
ASTRID LED HIGHBAY 120W	120 Watts	13840 lm	12 - 15 Watts		ø 275 mm x 310 mm (H)	MicroMac - On/Off Occupancy Control
ASTRID LED HIGHBAY 150W	150 Watts	17065 lm	15 - 20 Watts		ø 205 mm x 345 mm (H)	RF-ALUM - Aluminium Reflector
ASTRID LED HIGHBAY 250W	250 Watts	24665 lm	25 - 30 Watts		ø 300 mm x 355 mm (H)	RF-PRIS - Clear Prismatic Reflector EM3-HP - High Power Emergency Accessory

Trident LedLite

MULTI OUTPUT/3CCT LED NCF RANGE

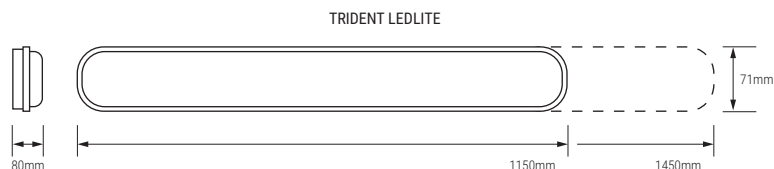


APPLICATIONS

- > Factory Lighting
- > Warehouse Lighting
- > Car Parks
- > Service Corridors & Stairwells
- > Kitchens & Laundry

FEATURES

- > <160lm/W
- > IP66
- > IK10 Polycarbonate Diffuser & Body
- > 20mm Conduit entries at each end
- > Plug-in sensor version available
- > Dimmable-Dali, 0-10V
- > Plug-in emergency module available
- > 50,000hrs
- > 5 Year Warranty



DESCRIPTION

The Trident LedLite range of non-corrosive fittings is designed as a suitable replacement for fluorescent fittings and many other applications.

Available in two sizes, with easy clip plug-in emergency and microwave sensor modules making the Trident range an economic option for low energy lighting requirements. With multi switchable outputs and switchable 3CCT colour control the Trident LedLite is a truly adaptable luminaire suitable for multiple applications.



Sensor Module



Emergency Module

TECHNICAL + OPTIONS

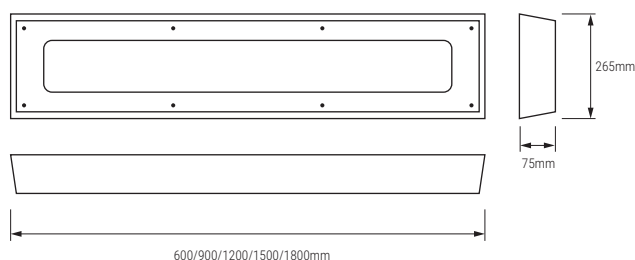
MODEL CODE	WATTS MULTI OUTPUT	LUMEN OUTPUT	COLOUR TEMPERATURE	OVERALL SIZE	OPTIONS SUFFIX
TRIDENT LEDLITE-4	23/28/33/38W	3680 - 6080 lm	3000K 4000K 6000K	1150 mm L x 71 mm W x 80 mm H	EM - Emergency MWS - Sensor Dim - Dali Dimmable
TRIDENT LEDLITE-5	32/39/48/55W	5120 - 8880 lm	(3CCT Switchable)	1232 mm L x 104 mm W x 81 mm H	

Astrid Defender

LED ANTI-LIGATURE LINEAR LUMINAIRE



ASTRID DEFENDER



APPLICATIONS

- > Car Park
- > Custodial
- > External
- > Mental Health
- > Vandal Resistant

FEATURES

- > Flat opal polycarbonate diffuser as standard
- > Manufactured from mild steel
- > IP65 & IK10
- > Available with night light function
- > Range of outputs available
- > 22K, 27K, 3K, 4K, 5K, 65K LEDs



DESCRIPTION

The Astrid Defender range of luminaires are tough vandal resistant; Anti-Ligature fittings designed for both internal and external

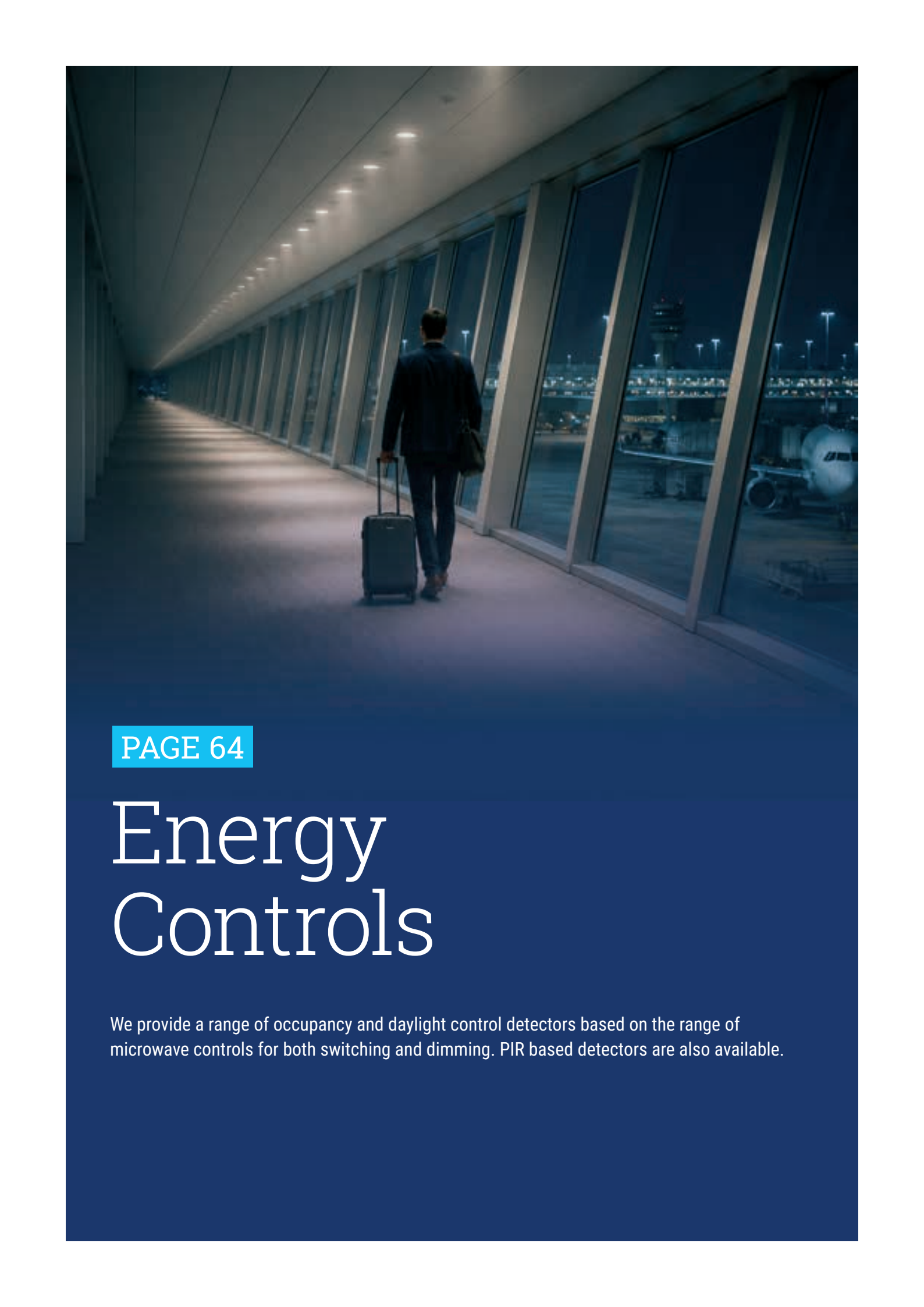
applications. IP65 & IK10 rated the Astrid Defender range offers total security for troubled areas.

Night-Light and Microwave sensor as well as emergency versions in both standard and self-test the Astrid Defender meets a variety of applications.

TECHNICAL + OPTIONS

MODEL CODE	TOTAL WATTS	TOTAL LUMEN OUTPUT	OVERALL SIZE (L x W x H)	OPTIONS
ASTRID DEFENDER-2	22W	2480 lm	600 x 265 x 75 mm	EM - Integral Emergency EMST - Integral Emergency Self Test DD - SwitchDIM/DALI WL - Wireless Control System WLEM - Wireless Monitored Emergency NL - Night Light SI - Silver BL - Black CM - Corner Mounting
ASTRID DEFENDER-3	31W	3495 lm	900 x 265 x 75 mm	
ASTRID DEFENDER-4	32W	3607 lm	1200 x 265 x 75 mm	
ASTRID DEFENDER-42	44W	4960 lm	1200 x 265 x 75 mm	
ASTRID DEFENDER-5	38W	4284 lm	1500 x 265 x 75 mm	
ASTRID DEFENDER-52	44W	4960 lm	1500 x 265 x 75 mm	
ASTRID DEFENDER-6	48W	5411 lm	1800 x 265 x 75 mm	
ASTRID DEFENDER-62	68W	7666 lm	1800 x 265 x 75 mm	

*Average consumption based on medium range mA input option



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Energy Controls

We provide a range of occupancy and daylight control detectors based on the range of microwave controls for both switching and dimming. PIR based detectors are also available.

Morgan Hope Occupancy Detectors

Morgan Hope provides a range of occupancy and daylight control detectors and whilst the optimum product for use with the LedLite PCB Range is based on the range of Microwave controls for both switching and dimming, options are also available with PIR based detectors where less sensitive control is required.

Full information is available in the relevant Product Data Sheets.



“Occupancy sensors detect the presence or absence of people and turn lights on and off accordingly. They may reduce lighting energy consumption by **50%** or more in some circumstances.”

MicroTect IM / SM

OCCUPANCY / DAYLIGHT CONTROL WITH MICROWAVE DETECTION

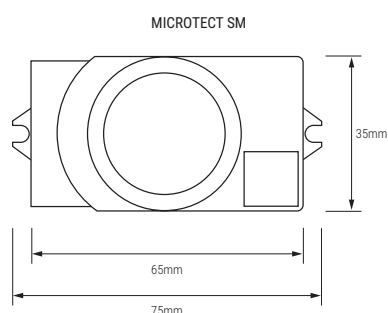
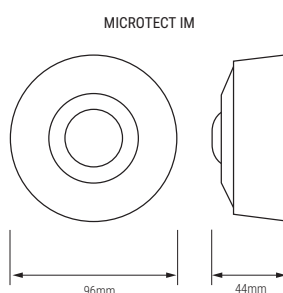


APPLICATIONS

- > Corridors
- > Offices
- > Store rooms
- > Car parks
- > Integral mounting into luminaires

FEATURES

- > Time-out setting options - from 12 seconds to 30 minutes.
- > Reach/Sensitivity options - 2m to 10m
- > Daylight regulation options - 150 lux to 2000 lux only suitable for specific luminaires where nuisance switching can be avoided.



MicroTect IM

DESCRIPTION

MicroTect is an occupancy detector system utilising Microwave technology to provide rapid response detection, with high sensitivity, where PIR technology would be restricted. It is designed to react to the slightest movement within its detection zone, even when concealed within luminaires.

The MicroTect "IM" is primarily designed for location into luminaires whereas the MicroTect "SM" is primarily designed to be situated outside luminaires.

TECHNICAL + OPTIONS

MODEL CODE	SWITCHING LOAD	REACH	OVERALL DIMENSIONS
MicroTect IM	1200W (220-240Vac) 600W (100-130Vac)	1 - 10 Metre Radius (Adjustable)	Ø96 mm x 44 mm (H)
MicroTect SM			77 mm (L) x 35 mm (W) x 25 mm (H)

MicroDim

OCCUPANCY AND DAYLIGHT CONTROL WITH DIMMING AND MICROWAVE DETECTION

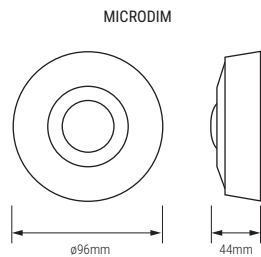


APPLICATIONS

- > Corridors
- > Offices
- > Store Rooms
- > Car Parks
- > Integral Mounting into luminaires

FEATURES

- > Time-out Setting options - 12 seconds / 5 minutes / 10 minutes / 30 minutes.
- > Reach/Sensitivity options - 2m / 5m / 10m
- > Daylight regulation options - 150 lux / 300 lux / 500 lux / 2000 lux.



DESCRIPTION

The MicroDim "Dimmable" Microwave Occupancy System is designed to operate with both LED and Fluorescent with 0V to 10V analogue dimming LED Drivers and dimming High Frequency

Ballast, which functions on the basis of full output when movement is detected and will dim in a single stage to minimum output of the Driver/ Ballast rating at approximately 10%, when the area is unoccupied. It is located within the housing of the luminaire and will detect through the diffuser and as such will operate on occupancy but still retain the sealed integrity of the luminaire.

The control incorporates adjustable settings based on dip switches for Time-out - Reach/Sensitivity and Daylight.

When daylight control is not required we suggest setting at 2000 lux to avoid potential nuisance switching. If daylight control is required then in regards to the LedLite CC Circular PCB Range, the MicroMac is supplied with the photocell on a fly-lead to mount within the body of the fitting to ensure light wash from the diffuser does not distort the photocell detection and product codes should be suffixed "PC". When the area is

unoccupied the System will run continuously at minimum output, providing background comfort security lighting and good health and safety practice but any time during the timeout period that movement is detected, the lighting will return to 100% output.

There is also a facility to adjust the minimum dimmed output level to meet specific requirements, up to 60% of total output, although the control will always be supplied set to minimum. Each luminaire is fitted with its own integral occupancy detector

TECHNICAL + OPTIONS

MODEL CODE	POWER SUPPLY	LIGHT CONTROL	REACH	DETECTION ANGLE	TIME SET
MicroDim	220V/AC – 240V/AC	150 lux- 2000 lux adjustable	2 to 10 metres adjustable	360°	12 seconds to 30 minutes

MCD-PIR

OCCUPANCY CONTROLLED DIMMABLE SYSTEM WITH MCD-PIR 2 STAGE DIMMING

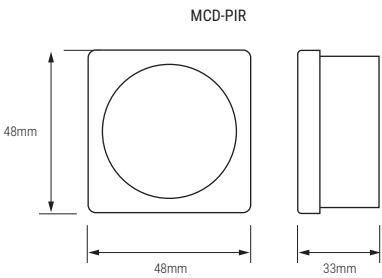


APPLICATIONS

- > Corridors
- > Offices
- > Store rooms
- > Car parks
- > Data Centres
- > Integral mounting into luminaires

FEATURES

- > Two stage dimming
- > 1 - 10V analogue dimming
- > 15 Second test function
- > Reach sensitivity up to 6 metres



DESCRIPTION

The MCD-PIR Movement Controlled Dimmable Lighting System is designed to operate with analogue 1V to 10V dimming Ballasts or Drivers, maintaining full output during occupancy, then dimming in two stages with 50% output after 3 minutes of non-detection and an additional 10% after a further 5 minutes of non-detection, to remain at a constant 40% output. Any time during

the time-out movement is detected, the luminaire will switch to 100% output. The MCD-PIR is especially useful in areas such as Data Centres, where moving equipment could cause nuisance switching with Microwave detection



Round version

TECHNICAL + OPTIONS

MODEL CODE	OPERATING VOLTAGE	REACH	OVERALL SIZE
MCD-PIR	230V	Upto 6 Metres	48W x 48Hx 33

MiniTect

OCCUPANCY AND DAYLIGHT CONTROL WITH ON/OFF PIR DETECTION

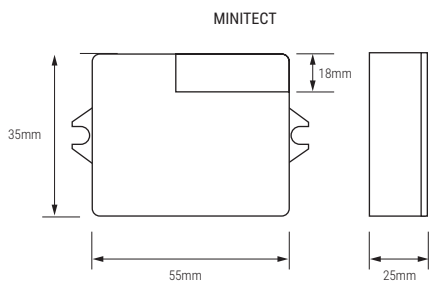


APPLICATIONS

- > Corridors
- > Offices
- > Store rooms
- > Car parks
- > Integral mounting into luminaires

FEATURES

- > Time-Delay 5s, 30s, 1 Min, 3 Min, 8 Min
- > Working Light: 10 Lux to 2000 Lux
- > Sense Distance: 8 metres



DESCRIPTION

MiniTect is a miniature PIR Detector with remote sensor head that is connected by a linking cable to the main switch box and is designed primarily for fitting integrally into Fluorescent based luminaires, such as the Gauntlet or FLB Batten Range. MiniTect is an automatic sensor switch device using infrared detection and IC & SMB technology, to detect presence of movement and light conditions within its detection range.

The main switch box consists of a series of Dip Switches to adjust 'Time Out' from 5 seconds to 8 minutes - daylight option to hold off operation unless below 10 lux - sensitivity switch to improve detection range - detection range of approximately 5m radius - switching load of 200W.

TECHNICAL + OPTIONS

MODEL CODE	SENSE DISTANCE	OPERATING VOLTAGE	RATED LOAD	DETECTION ANGLE
MiniTect	8 metres	180v to 240 VAC	800 W Resitive 150 W Fluorescent	100°

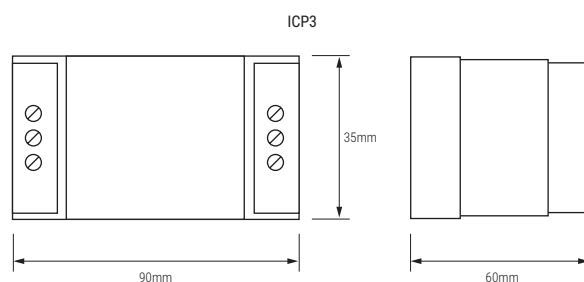
ICP-3

CURRENT PROTECTION WITH INTERFACE WITH DISTRIBUTION BOARDS



FEATURES

- > In-rush circuit protection for inrush loads upto 250A peak
- > Max Load 3A
- > Distribution Board Interface
- > 30 second repetative switching
- > Protection against damage and tripping to circuit breakers
- > Manage upto 20 fittings per circuit



DESCRIPTION

The operational characteristics of LED lighting and the related drivers can cause significant in-rush currents at start-up, resulting in nuisance tripping of the circuits during switching. Morgan Hope have designed the ICP-3 to interface with the distribution board lighting circuits, including but not limited to ranges of various types of Circuit Breakers or Fused Systems. The purpose of the ICP Range is to suppress the in-rush current from the LED circuits and drivers.

In-rush current is a momentary surge of power which is rarely simultaneous when switching multiples of LedLite Luminaires, enabling a single ICP-3 unit to manage up to 20 fittings per circuit. The ICP protects against circuit tripping and damage to circuit breakers.

TECHNICAL + OPTIONS

MODEL CODE	POWER SUPPLY	MAX LOAD	MAX INRUSH	REPETITIVE SWITCHING
ICP-3	240V AC / 50Hz	3A	250A Peak	Every 30 Seconds

MoviLux-ECO

SURFACE MOUNTED PIR MOVEMENT SENSOR



APPLICATIONS

- > Reception lighting
- > Hotel lighting
- > Corridor lighting
- > Entrance Lobbies
- > Office lighting
- > Hospital lighting

FEATURES

- > PIR Sensor
- > Light Level Sensor
- > Power Input & Switched Output Connector
- > Lux Button - Set the Lux level for switching.
- > Time Button - Set the Time delay after which the load switches off



DESCRIPTION

The MoviLux-ECO movement sensor is designed to provide automatic control of lighting, heating or ventilation loads. It detects movement using a PIR sensor and turns the load on. When an area is no longer occupied the load will switch off after an adjustable time out period.

An adjustable internal light sensor provides additional energy saving in lighting applications.

When an area is occupied, lighting is only switched on when the level of natural light falls below a preset level.

When the sensor is first powered up the PIR sensor will always detect immediately regardless of whether the room is occupied.



Recessed version

TECHNICAL + OPTIONS

MODEL CODE	POWER CONSUMPTION	SUPPLY VOLTAGE	TEMPERATURE	WEIGHT	OVERALL SIZE	COMPLIANCE
MoviLux-ECO	573 mW (on) 670 mW (Off)	230 VAC	-10°C to 35°C	0.15 kg	ø 96.5 mm x 50 mm H (with gasket fitted)	EMC-2004/108/EC LVD-2006/95/EC

MicroMac-PC

MICROWAVE DETECTOR



APPLICATIONS

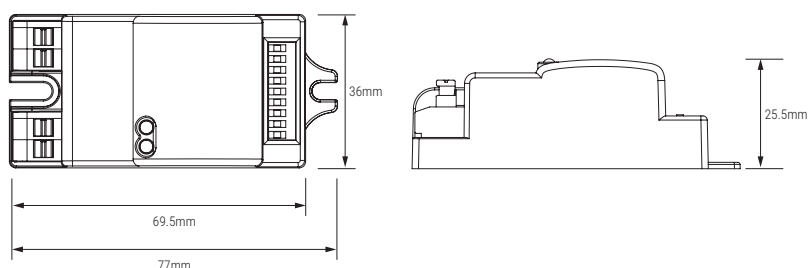
- > Corridors
- > Offices
- > Store Rooms
- > Car Parks
- > Integral Mounting into Luminaires

FEATURES

- > Input 220 - 240 Vac, 50 Hz
- > Rated Load: 400 W (Inductive) 800 W (resistive)
- > Adjustable Detection Sensitivity from 10% - 100%
- > Adjustable Hold Time 5 sec to 30 min
- > Adjustable Daylight Sensor 2 lux to 50 lux
- > Detection Angle 360°(ceiling) 150°(Wall)
- > IP20 Rated



MICROMAC-PC



DESCRIPTION

The MicroMac PC is an innovative and active motion detector with HF system 5.8GHz. Motion can be detected through plastic, glass and thin non-metal materials.

The sensor supplies a simple energy-saving solution to use light only when and where you need it. It automatically switches on/off light based on motion and ambient light level. Can control all kinds of lamps, for example, halogen, fluorescent and LED lights. Compact size and small casing, suitable to fix

within most luminaires. 4-pole press-in terminal (L, N, N, L'), very easy to install. The high quality relay is particularly suitable for commercial use with switching power up to 400W for LEDs and fluorescent lamps and up to 800W for incandescent lamps.

Micromac PC is an innovative motion sensor, switch on the light on detection of movement, and switch off after a hold time when there is no motion detected. The MicroMac PC has a combined daylight

sensor developed to automatically switch lights on at dusk and off at dawn, providing continuous illumination through the night.

Unlike standard photocells requiring the sensor head to be fitted into the body of the luminaire, the unique design of the MicroMac PC is programmed to distinguish between daylight and LED light, enabling it to be concealed within the luminaire but still operating on daylight switching.

TECHNICAL + OPTIONS

MODEL CODE	RATED LOAD	DETECTION SENSITIVITY	DAYLIGHT SENSOR	HOLD TIME	OVERALL SIZE
MicroMac-PC	400 W (inductive) 800 W (resistive)	10% / 25% / 50% / 75% / 100%	2 lux / 10 lux / 25 lux / 50 lux / disabled	5s / 30s / 90s / 3 min / 20 min / 30 min	77 mm W x 36 mm H x 25.5 mm D

IntegraCell

DAYLIGHT SWITCH



APPLICATIONS

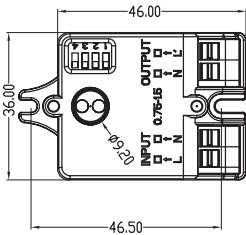
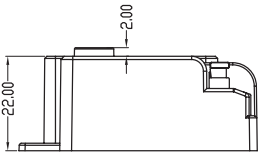
- > Integral mounting into luminaires for Dusk to Dawn daylight control
- > Operates only with LED

FEATURES

- > Designed to sit within the luminaire
- > Eliminates need to drill sensor hole in the body of the luminaire
- > Compensates for LED artificial light and senses natural light only
- > Automatically turns on lights at dusk and off at dawn
- > Energy saving on luminaire operating times
- > Compact size for location both in large and smaller LED fittings
- > Multiple On/Off switch settings to suit specific applications for ambient light levels



INTEGRACELL



Automatically turns light fitting on at dusk



Allows light fitting to operate throughout the night



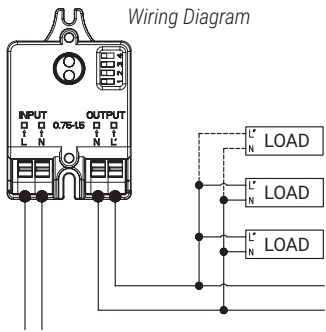
Automatically turns light fitting off at dawn

DESCRIPTION

IntegraCell is a patented daylight sensor developed to automatically switch lights on at dusk and off at dawn, providing continuous illumination through the night. Unlike standard photocells requiring the sensor head to be fitted into the body of the luminaire, the unique design of the IntegraCell, incorporating 2 photodiodes, is programmed to distinguish between daylight and LED light, enabling it to be concealed within the luminaire but still operating on daylight switching only.

Note: As IntegraCell is designed solely for LED light source, it is not suitable to operate with fluorescent, halogen or tungsten.

When the ambient light level is below the 'Open' lux level, the sensor automatically switches the lights on to 100% brightness. When the ambient light level is above the 'Close' lux level, the light will automatically switch off. See below table for settings.



TECHNICAL + OPTIONS

MODEL CODE	OPERATING VOLTAGE	RATED POWER	LUX LEVEL SWITCHING	OVERALL SIZE	OPERATING TEMPERATURE																																																																	
IntegraCell	220 - 240 Vac	400 W	<div>By selecting a combination of the DIP switches, switching ON/OFF lux levels can be set as required</div> <table><tr><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>open</td><td>close</td></tr><tr><td rowspan="8">ON </td><td>I</td><td>ON</td><td>ON</td><td>ON</td><td>ON</td><td>5Lux</td><td>25Lux</td></tr><tr><td>II</td><td>ON</td><td>ON</td><td>ON</td><td>-</td><td>10Lux</td><td>50Lux</td></tr><tr><td>III</td><td>ON</td><td>ON</td><td>-</td><td>ON</td><td>25Lux</td><td>75Lux</td></tr><tr><td>IV</td><td>ON</td><td>ON</td><td>-</td><td>-</td><td>50Lux</td><td>100Lux</td></tr><tr><td>V</td><td>ON</td><td>-</td><td>ON</td><td>-</td><td>100Lux</td><td>200Lux</td></tr><tr><td>VI</td><td>ON</td><td>-</td><td>-</td><td>-</td><td>150Lux</td><td>300Lux</td></tr><tr><td>VII</td><td>-</td><td>ON</td><td>-</td><td>-</td><td>200Lux</td><td>400Lux</td></tr><tr><td>VIII</td><td>-</td><td>-</td><td>-</td><td>-</td><td>-</td><td>Disable</td></tr></table>			1	2	3	4	open	close	ON 	I	ON	ON	ON	ON	5Lux	25Lux	II	ON	ON	ON	-	10Lux	50Lux	III	ON	ON	-	ON	25Lux	75Lux	IV	ON	ON	-	-	50Lux	100Lux	V	ON	-	ON	-	100Lux	200Lux	VI	ON	-	-	-	150Lux	300Lux	VII	-	ON	-	-	200Lux	400Lux	VIII	-	-	-	-	-	Disable	36 mm W x 47 mm H x 22 mm D	-20°C ~ 50°C
		1	2	3	4	open	close																																																															
ON 	I	ON	ON	ON	ON	5Lux	25Lux																																																															
	II	ON	ON	ON	-	10Lux	50Lux																																																															
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	VII	-	ON	-	-	200Lux	400Lux																																																															
	VIII	-	-	-	-	-	Disable																																																															



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Portable Lighting

All of the luminaires within the range are equipped with LED light sources to deliver energy-efficient, high output illumination and a low on-going maintenance.

PLT-ECO-HB

ECONOMY PORTABLE HYBRID WORK LIGHT



APPLICATIONS

- > Construction/Building Sites
- > Camping
- > Outdoor Events
- > Railway Maintenance
- > Motorway/Road Maintenance
- > Fire/Emergency Services

FEATURES

- > 50W/85W
- > 7,000lm/12,000lm
- > Glare free
- > Impact resistant
- > Makita 18V battery base (Default)
- > Makita to Dewalt or Milwaukee adaptors
- > Hybrid battery or mains powered (AC-100-240V)
- > Base mount or Tripod mount

DESCRIPTION

The PLT-ECO-HB range of portable hybrid work lights are ideal for all work and leisure situations where lighting is required.

Lightweight, robust and able to work off your Makita/Dewalt/Milwaukee 18V power tool batteries or direct into mains these work lights are equipped for all situations.

The high lumen outputs ensure you have ample light for your workspace without blinding you due to their glare free lens.

Can be base or tripod mounted.



TECHNICAL + OPTIONS

MODEL CODE	DESCRIPTION	LUMEN OUTPUT	COLOUR TEMP
PLT-ECO-HB-50W	50W Hybrid Work light	7,000 lm	6000K
PLT-ECO-HB-85W	85W Hybrid Work light	12,000 lm	
ADAPT-DEW/MWK	Universal adaptor Makita to Dewalt/Milwaukee		
Tripod-2M-BK	2mtr Tripod		

FIREFLY

LED RECHARGEABLE PORTABLE WORK LIGHT



APPLICATIONS

- > Camping
- > Outdoor Leisure
- > Workshops
- > SOS emergency
- > Car Maintenance

FEATURES

- > 5W
- > 400lm/800lm
- > IP65 rated
- > IK07 ABS Construction
- > 20,000hr Lifespan
- > 4000K colour rendition
- > Hanging Hook
- > Magnetic base
- > C-type USB charging port
- > USB socket



DESCRIPTION

The Firefly portable LED work light is an ideal companion that gives you light when you want it without the need of batteries or a power supply. The Firefly can be charged via mains using the USB socket offering hours of light to do your tasks. You can also charge your phone and devices with the USB C-type output port.

The Firefly can fold down for ease of storage making it ideal to fit into extra small spaces.

The lamp has 3 output modes- High brightness, Low brightness and SOS flashing mode making the Firefly ideal for workshops, camping, fishing and other outdoor applications.



TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LUMEN OUTPUT	DIMENSIONS (L x W x H)
FIREFLY	5W	400 lm (Low Mode) 800 lm (High Mode)	128 x 113.5 x 55mm

WISP

LED SOLAR PORTABLE LIGHT



APPLICATIONS

- > Construction/Building Sites
- > Camping
- > Outdoor Events
- > Railway Maintenance
- > Motorway/Road Maintenance
- > Fire/Emergency Services

FEATURES

- > 50W/85W
- > 7,000lm/12,000lm
- > Glare free
- > Impact resistant
- > Makita 18V battery base (Default)
- > Makita to Dewalt or Milwaukee adaptors
- > Hybrid battery or mains powered (AC-100-240V)
- > Base mount or Tripod mount

DESCRIPTION

The Wisp is an ideal companion that gives you light when you want it without the need of batteries or a power supply. The Wisp can be charged either using the on-board Solar panel or via mains using the USB socket.

You can also charge your phone and devices with the USB C-type output port.

The Wisp can collapse down for ease of storage making it ideal to fit into extra small spaces.

The lamp has 3 output modes- High brightness, Low brightness and SOS flashing mode making the Wisp ideal for camping, fishing and other outdoor applications



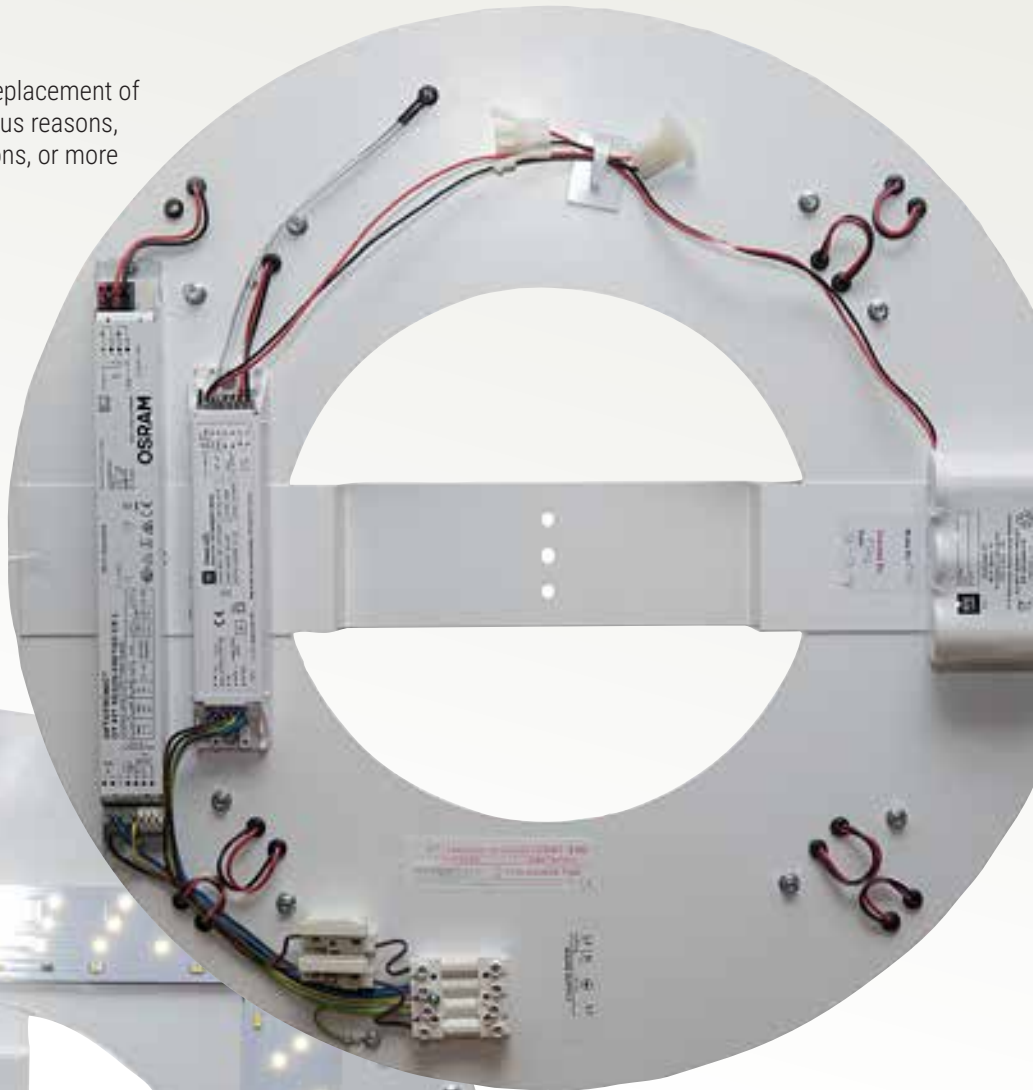
TECHNICAL + OPTIONS

MODEL CODE	WATTAGE	LUMEN OUTPUT	OVERALL DIMENSIONS (L x W x H)
WISP	1W	80 lm (High Mode) 40 lm (Low Mode)	77 x 77 x 120mm (Extended) 77 x 77 x 50mm (Compressed)

Morgan Hope Bespoke Retrofit Gear Tray Service

At Morgan Hope we understand that full replacement of fittings is not always practical due to various reasons, which may be as simple as cost implications, or more complex where luminaire bodies could be embedded into the substrate or subject to attachment to asbestos ceiling, where the removal would have the risk of asbestos dust contamination.

Whatever the reason for requiring the retrofit gear tray option, Morgan Hope can offer a bespoke service to provide gear trays to meet on site specific requirements from its broad and versatile range of LED PCBs and Drivers. Morgan Hope will work closely with the client to ensure that the gear tray is designed to meet the detailed requirements of each application.



OUR BESPOKE OFFER

We can offer a bespoke service to provide gear trays to meet specific on-site requirements from our broad and versatile range of LED PCBs and Drivers.



ACCREDITED
SUPPLIER

'Making business sense of climate change'

The **Carbon Trust** is an independent, expert partner of leading organisations around the world, helping them contribute to and benefit from a more sustainable future through carbon reduction, resource efficiency strategies and commercialising low carbon technologies.

The Carbon Trust Standard is the world's leading independent certification of an organisation's impact on the environment by verifying action on the three primary components of environmental sustainability: energy use and associated greenhouse gas (CO₂e) emissions, water use and waste output.

Lighting typically consumes **20%**
of the electricity used in commercial
and industrial buildings

Replacement of halogen lighting by
LED units has the potential to
reduce electricity consumption by
between **65** and **85%**

Life expectancy of LED bulbs
compared to Incandescent bulbs
is on average **10** times greater

20%

x10

65-85%



Dedicated to providing environmentally efficient lighting solutions



...and counting

“ Since 2008, the industry has seen the substantial advancement of both LEDs and the related drivers, and Morgan Hope has kept up with this technology development to ensure its customer base is supported with ongoing product development to meet the demands of lighting for the future. ”



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Scan code to
visit our website

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