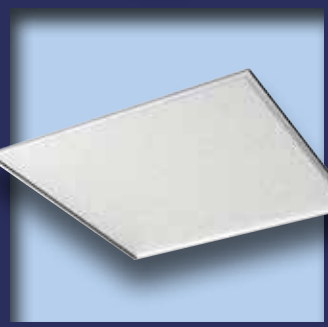




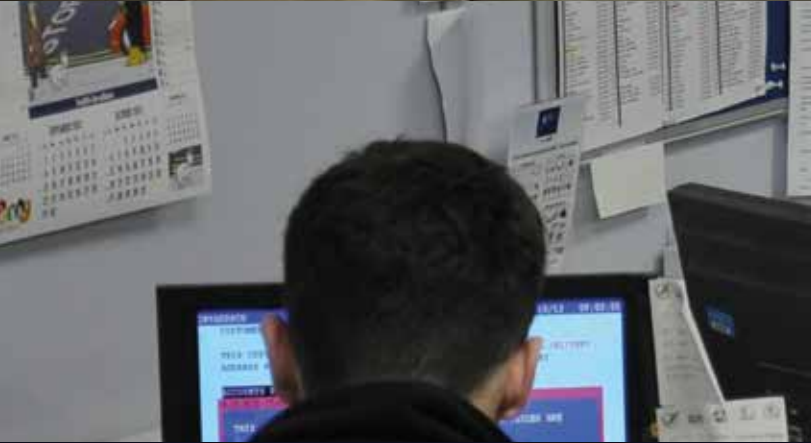
Full
Of New
Products
Inside!



MERIDIAN CATALOGUE

2014

SLD Lighting



SLD Lighting are the dedicated lighting division of Edmundson Electrical, the UK's largest electrical wholesaler, trading in this specialist area for over 30 years.

Working closely with the world's leading manufacturers we supply from stock many thousands of different lamps, from candle lamps to floodlights, control gear, emergency lighting products and light fittings to suit all purposes.

We have a varied customer base in London and the South East, including some of the most iconic buildings in London, from Commercial, Retail, Leisure, to Educational and Government Departments.

Our dedicated sales team have a combined experience of 200 years in the industry and are always on hand to offer advice & provide quotations and technical support. We believe in offering our customers choice & value along side the best service possible.

We have now been involved in LED Lighting for nearly 10 years and acknowledge this is the future of lighting, its future potential has been stated as the greatest invention in lighting since the creation of the humble light bulb by Thomas Edison in 1879.

This catalogue illustrates an ever increasing variety of LED solutions that are currently available, for many different applications. Every where we travel, work and live, LEDs are now being installed, producing increased light levels, incredible energy savings with years of maintenance free operation.

We believe this proves the best time to upgrade to LED and start saving is NOW.

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Note.
Whilst every effort is made to ensure that all images contained in the catalogue are accurate. On some occasions due to technical reasons, products may differ in appearance and are subject to change without notification.



'Switching to LED Lamp technology today is an environmentally friendly ecological decision that makes perfect business sense'.

LED Technology Explained



DIP
(Light Emitting Diode)

Miniature LED's are some of the most common types of LED lights and can be found in an array of devices with surface-mount or through-hole designs. Miniature LED lights are used mostly as indicator lights on devices such as cell phones or calculators. It is possible to use a miniature LED light without a casing, or package, such as a dome or cube. Lights not packaged are simple semiconductor chips connected to conductive wires.

Miniature LED lights fall into one of three categories: low current, standard and ultra-high output.



HPL
(High-Power LED's)

High-power LED's (HPL) produce a much stronger light source than most other LED's. HPL's are becoming common replacements for fluorescent and incandescent lights as they are proving to be more energy efficient. Their initial cost is relatively high but due to a long life span, they typically save on energy costs in the long term.

Many HPL's are known as solid state lights. Their electroluminescence is generated through a small, solid mass, rather than through more sensitive and brittle bulbs or fluorescent tubes.



SMD
(Surface Mount LED)

Although SMD LED's are similar to the cylindrical package LED's used in residential buildings, they are standard products, in which the diodes are mounted directly onto the surface of printed circuit boards (PCB's). PCB is a flat board supporting electrical circuits and electronic components. LED lights

are connected to the electrical circuit and glow as a result of the movement of electrons.

The main advantages of SMD LED over traditional incandescent bulbs are their minimum energy consumption and long operational life. In addition, LED's are usually more compact and much smaller than the incandescent lights.



COB
(Chip-on-Board)

COB technology allows the installation of LED modules on circular (round) board. So, COB LED consists of chips fixed on a board. The chips are protected and mounted on circular board. This method mounts the LED chip directly onto the printed circuit board using a conductive adhesive. It is used as a silicone polymer layer that reduces photo degradation.

COB (Chip-on-Board) Multi-LED's are packed as a single lighting module. When switched, it resembles light emitting panel.

COB LED modules can be designed for all types of SMD and voltage ranges.

The high luminosity of the high-performance COB LED modules is achieved through unique packaging in the tightest space. This high-level packaging density of the LED chips allows for high intensities with homogeneous luminous field. Thus we can achieve the greatest optical achievements for high-power LED applications.

The COB chip on the PCB is encapsulated with a Glob Top by automatic dispensing equipment. This protects the chip from external influences such as dust or moisture. Epoxy resin or silicone are used. For monochromatic LED applications, transparent encapsulation is used.

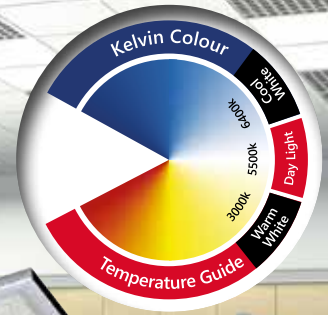
Contents

Modular Panels & Flat Panel Downlighters	1/2
LED T8 Tubes.....	3
LED Tube Modular & Batten Fittings.....	4
LED Tube Anti-Corrosive Fittings	5
Anti Corrosive Fittings T5	6
2D LED Lamps & Bulkheads (Including Emergency & Motion Sensor)	7/8
LED Circular Bulkheads (BH Series).....	9
Luna Range High Frequency Bulkheads.....	10
LED & Non-LED Emergency Twin Spots Non-Maintained.....	11
LED Emergency Bulkheads	12
High Power Floodlights	13/14
High Power Floodlights & Tunnel Lights	15
High Power LED High Bay Fittings.....	16
Corn Lamp LED High Bay & Low Bay Fittings.....	17
LED Bulkheads.....	18
Energy Saving Sign Lights & Floodlights.....	19
LED Wall Pack	20
AT-EX EX-d Hazardous LED Fittings.....	21
Street Lighting & Low Bay Fittings.....	22
Petrol Station & Surface Canopy Fittings	23
High Power Spots / Walkover & Mini Bollards.....	24
5W LED Garden Spike Lights	24
LED Deck Lighting Kit & COB Exterior Lights.....	25
Flexible LED & Under Cabinet Kits	26
LED Wall Uplighter Shaver & Picture Lights	27
LED SMD PL Replacement Downlighters.....	28
LED PL & General Replacement Downlighters.....	29
Display Lighting.....	30
COB LED Dimmable 9W Fire Rated Downlighters.....	31/32
5W LED Fire Rated Downlighters.....	33
8W COB LED Downlighters Dimmable (Compact).....	34
LED COB Compact Downlighters (Dimmable).....	35
Fire Rated High Power LED Downlighters	36
High Power Fixed LED Downlighters	37
GU10 Bathroom Downlighters.....	37
Display Lighting Four Circuit Track LED & Metal Halide Fittings.....	38
LED High Bay & Low Bay Fitting Corn Lamps.....	39
LED High Bay & Low Bay Lamps.....	40
LED Retrofit Floodlight Lamps	41
5.4W High Power GU10/MR16 Lamps (Standard Size)	42
LED COB GU10 3.5W & 5W Lamps (Standard Size).....	43
5W LED COB Lamps Dimmable & Non-Dimmable	44
6W & 9W LED COB Lamps Dimmable & Non-Dimmable	45
GU10/MR16 & High Power Lamps.....	46
LED GLS Replacement Lamps.....	47
LED Dimmable GLS & Candle Lamps.....	48
LED Candle & PLT Lamps.....	49
Comparison Charts.....	50

"Sld lighting" - energy saving solutions.
'Registered stockist of meridian lighting products'

Items with extended warranties are marked on their respective pages.

Modular Panels & Flat Panel Downlighters



LED Modular Panel Fittings

- High LOR [light output ratio] and anti-glare design
- Cool running with no thermal effect
- Energy Saving [compared with 4x18W T8 s/s]
- Longer life, reduced maintenance costs
- Increased survival rate & reduced lumen depreciation
- Environmentally friendly - no glass, filament, mercury disposal
- Cost effective SHR [spacing-to-height ratio]
- Instant "ON" with no flicker or hum
- SMD3528 LED's; Edge-lit on all four faces of luminaire
- Voltage 100-240V
- Ultra-slimline body - ideal in limited-height voids
- Typical open-space applications; av.400lx+ @ 2.4m centres
- Significantly reduces client-TCO [total cost of ownership]
- Surface Suspension Kit included and spare drivers available
- 'Plug & Play' 3 hours Emergency Pack available



Model - LED6635

- Power Efficiency 85%
- Power Factor 95%
- Thickness 13mm
- Life span 30,000 hours
- Brightness >3x18W T8
- Consumption 35W
- Dimension 595x595x13mm
- Angle 90° & 120°
- Working Temp. -20 to +45
- Cri 80-90
- CCT Warm White, Cool White



Model - LED6635EMP

DESIGN
Its low profile design allows it to fit easily into existing standard ceiling grid installations

EASY TO INSTALL
Comes complete with male/female connectors

LIGHT OUTPUT
Equal to a 4x18W fluorescent module

SENSE OF NATURAL LIGHT
A low glare diffuser
Cool White - 6500k

EXTRA SAVINGS
Suitable for PIR switching

LOW COST MAINTENANCE
30,000 hours average lamp life. Up to 5 times that of a standard fluorescent

ACCESSORIES
The suspension kit (sold separately) enables the panel to be suspended up to 1.5m from ceiling height. Plus a 3 hour 'Plug & Play' emergency pack is also available

LED Modular Panel Fittings		Lumens	Colour (k)	Circuit Watts	Weight (Kg)	Dimensions (LxWxD)(mm)
LED6635	35W LED Panel with Driver	2300	6500k Cool White	35	5	595x595x13
LED6635WW	35W LED Panel with Driver	2000	3000k Warm White	35	5	595x595x13
LED6645	48W LED Panel with Driver	3200	6400k Cool White	48	-	595x595x13
LED6635DRV	Driver for LED6635 (Spare)	-	-	-	-	180x35x60
LED6635EMP	Emergency Kit for LED6635 + LED6635 Panel Complete Fitting	220*	6500k Cool White	35	-	240x75x80
LED6635SK	Suspension Kit for LED6635					

* Lumen output in emergency mode.



Model - PNLDL11CW

Model - PNLDL15SQCW



SMD



SMD



SMD

Model - PNLSF11CW

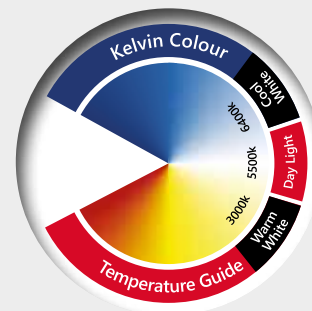
LED Flat Panel Downlighters

- Extra Slim Profile
- Applications: Indoor use eg offices, hotels, hospitals, supermarkets, residential
- Surface, recessed, or suspension
- Non-dimmable
- Big energy savings compared to PL downlighters
- Cool running
- Instant on no flicker or hum
- Input Voltage - 240V
- Die-cast Aluminium body, frosted diffuser
- Choice of Cool White (CW) or White (W)



LED Flat Panel Downlighters 19mm (Thickness) Ultra Thin - (Epistar LED)						
	LED	Lumens	Colour (k)	Cut Hole (mm)	Dimensions (mm)	
Round - Recessed						
PNLDL11CW	11W Round c/w driver	108	600	6000k	163	Ø180x19
PNLDL11W	11W Round c/w driver	108	570	4200k	163	Ø180x19
PNLDL15CW	15W Round	144	840	6000k	223	Ø240x19
PNLDL15W	15W Round	144	800	4200k	223	Ø240x19
Recessed - Round (Emergency)						
PNLDL11EM3	11W Round Emergency	108	155*	6000k	163	Ø180x19
PNLDL15EM3	15W Round Emergency	144	160*	6000k	223	Ø240x19
Recessed - Square						
PNLDL15SQCW	15W Square	144	840	6000k	153x153	168x168x19
PNLDL15SQW	15W Square	144	800	4200k	153x153	168x168x19
Surface - Round (40mm Thickness)						
PNLSF11CW	11W Round c/w driver	108	600	6000k		Ø180x40
PNLSF11WW	11W Round c/w driver	108	570	4200k		Ø180x40
PNLSF15CW	15W Round c/w driver	144	840	6000k		Ø240x40
PNLSF15WW	15W Round c/w driver	144	800	4200k		Ø240x40

* Lumen output in emergency mode.



LED Slim Panel Downlighters Standard & Emergency (Alternative Range)

- Available In:- 12W & 16W
- LED Type:- SMD 2825
- Beam Angle:- 120° Degrees
- CE, Rohs, LVD & EMC



SMD

Model - SLIM12CW

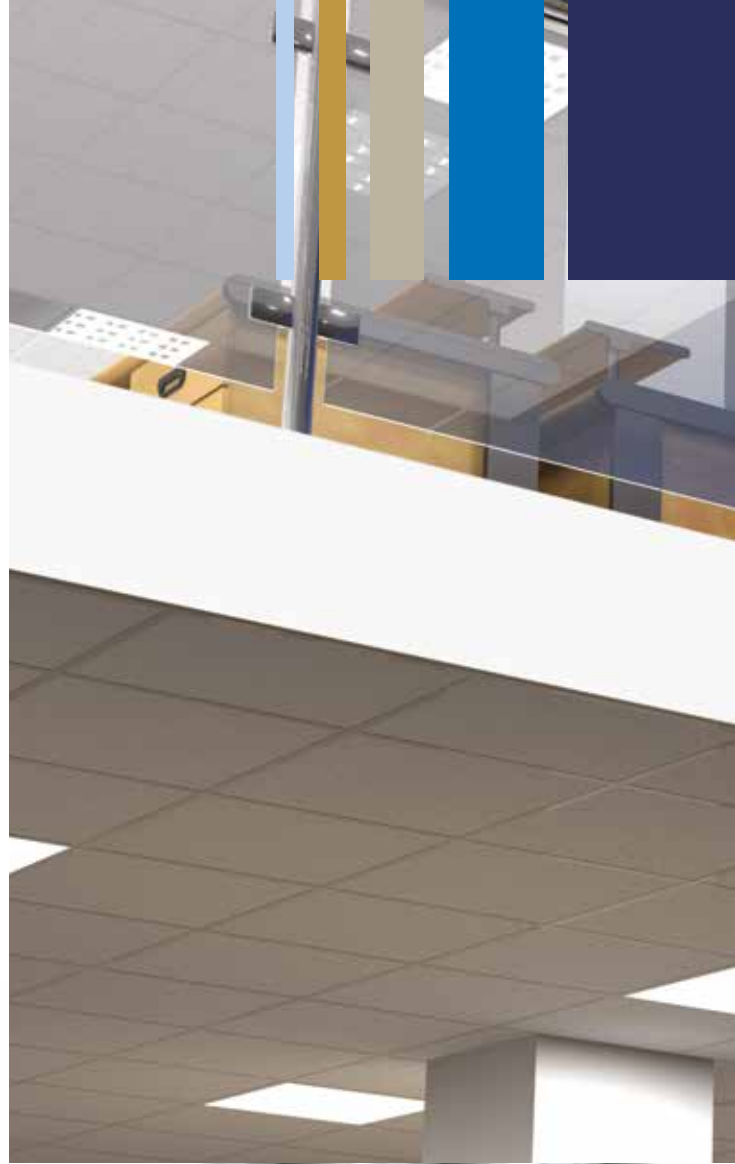
LED Slim Panel Downlighters						
	No. LED	Lumens	Watts	Colour (k)	Cut Hole (mm)	Dimensions (mm)
SLIM12CW	24	950	12	6400k	164	Ø179x19
SLIM16CW	36	1450	16	6400k	222	Ø246x19
SLIM12CW/EM3	24	950	12	6400k	164	Ø179x19
SLIM16CW/EM3	36	1450	16	6400k	222	Ø246x19

LED T8 Tubes

LED - T8 Tubes

- Approvals:- (CE, ROHS, TUV)
- LED-SMD3014
- Construction:- Aluminium/Polycarbonate
- Voltage:- 100-240V AC
- Colour:- 5000-5500k (White)
- Lifetime:- 35,000 - 50,000 hours
- Colour Index:- 70
- Power Factor:- 0.95
- Diameter:- 26mm
- Guarantee:- 3 Years
- Starter link included
- Direct replacement for switch start/magnetic ballast by replacing old starter with link starter
- Only one End Cap live for safety

3



LED Technology

Using LED arrays to produce equal if not better lighting output and with a lifetime of between 35,000-50,000 hours makes these T8 tubes the ideal replacement for traditional fluorescent tubes.



Rotating End Cap for easy installation



LED Bulbs - Budget Range		Watts	Lumens	Colour (k)	No. LED	Dimensions LxWxD(mm)	Type
LEDT2	8W Frosted LED Tube	8	600	5000-5500	72	600x26	SMD3014
LEDT4	15W Frosted LED Tube	15	1350	5000-5500	144	1200x26	SMD3014
LEDT5	18W Frosted LED Tube	18	1700	5000-5500	192	1500x26	SMD3014
LEDT6	32W Frosted LED Tube	32	2550	5000-5500	288	1800x26	SMD3014
LEDT5CLR	18W Clear LED Tube	18	1850	5000-5500	192	1500x26	SMD3014





LED Tube Modular & Batten Fittings



Model - LED664MF

Modular Fittings

- BS EN 60598-pt1
- Housing:- 0.5mm sheet steel surface coated with Epoxy powder
- Reflector:- High quality anodized aluminium
- CAT2 double parabolic louvre
- Lampholder:- VDE approved BJB or VS G13 Bi Pin
- Cable:- VDE approved 0.75mm heat resistance 105° Degrees centigrade
- Tube Colour:- 5000-5500k
- Suitable for standard 25mm T-Grid ceiling
- Ideal for Large Buildings, Schools, Offices, Shops and Computer Rooms

Batten Fittings

- Made to BS EN 60598-pt1
- 240V 50Hz
- Cable - VDE approved
- Lampholder - VDE approved
- Construction - 0.55mm Sheet Steel White Epoxy Powder Coated
- Supplied without Tubes
- Optional Prismatic Diffuser



Model - BF136NT

Modular Fittings (without Tubes)		Tubes	Dimensions (LxWxD)(mm)
LED663MFNT	3x8W = 24W Modular Fitting Cat 2 (no Tubes included)	3 x LEDT2	600x600
LED664MFNT	4x8W = 32W Modular Fitting Cat 2 (no Tubes included)	4 x LEDT2	600x600

Batten Fittings (without LED Tubes)		Tubes	Dimensions (LxWxD)(mm)
BF136NT	Empty Housing with Holder for LED Tubes	1 x LEDT4	1230x50x85
BF236NT	Empty Housing with Holder for LED Tubes	2 x LEDT4	1230x95x85
BF158NT	Empty Housing with Holder for LED Tubes	1 x LEDT5	1550x50x85
BF258NT	Empty Housing with Holder for LED Tubes	2 x LEDT5	1550x95x85
BF170NT	Empty Housing with Holder for LED Tubes	1 x LEDT6	1830x50x85
BF270NT	Empty Housing with Holder for LED Tubes	2 x LEDT6	1830x95x85



"See page 3 for Tubes"



LED Tube Anti-Corrosive Fittings

5

Model - LEDAC16

LED Tube Anti-Corrosive Fittings (Empty Bodies)

Empty Body for Single - LED Tubes	Fixing Centre (mm)	Dimensions (mm)	Tube Code
LEDAC14NT 4' - Single for 15W	918	1280x110x100	LEDT4
LEDAC15NT 5' - Single for 18W	1150	1580x110x100	LEDT5
LEDAC16NT 6' - Single for 32W	1380	1870x110x100	LEDT6
Empty Body for Twin - LED Tubes	Fixing Centre (mm)	Dimensions (mm)	Tube Code
LEDAC24NT 4' - Twin for 2x15W	918	1280x160x100	2 x LEDT4
LEDAC25NT 5' - Twin for 2x18W	1150	1580x160x100	2 x LEDT5
LEDAC26NT 6' - Twin for 2x32W	1380	1870x160x100	2 x LEDT6

N.B. Tubes sold separately see page 3

Dedicated LED Anti Corrosive Fittings (Tubeless)

LED Anti Corrosive Fittings - 6500k	Lumens/Watts	Dimensions (mm)	No. LED's
AC560 5' 60W Twin	6000	1580x130x92	120
AC560EM3 5' 60W Twin Emergency	6000	1580x130x92	120

LED Tube Anti Corrosive Range

- Made to BS EN 60309-2
- Polycarbonate body provides protection from moisture, dirt, grease and UV radiation
- Clear Prismatic Polycarbonate Diffuser
- Ingress:- IP65
- 240V available in single or twin versions,
- VDE approved lampholder
- Mounting direct on wall or suspended by chains
- Optional metal clips available for extra security

Construction:-

- Grey base & Prismatic diffuser

Note. For tubes specifications refer to page 3.

LED Strip mounted on tray

- 240V-50Hz
- Polycarbonate Body & Diffuser
- SMD - LED
- Ingress:- IP65
- Opal Diffuser



SMD

Model - AC560



"See page 3 for Tubes"



Anti Corrosive Fittings T5

T5 Anti-Corrosive Fittings

- Made to BS EN 60309-2
- Construction:- Polycarbonate Body and Diffuser
- Electronic High Frequency Ballast
- Type:- 14W, 28W, 35W T5
- Voltage:- 240V
- Ingress:- IP65
- Available in:- Single & Twin
- UV resistance & shockproof
- Hinged Tray
- Slim body (86mm & 105mm)

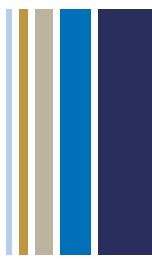


Model - AC114PC



Model - AC228PC

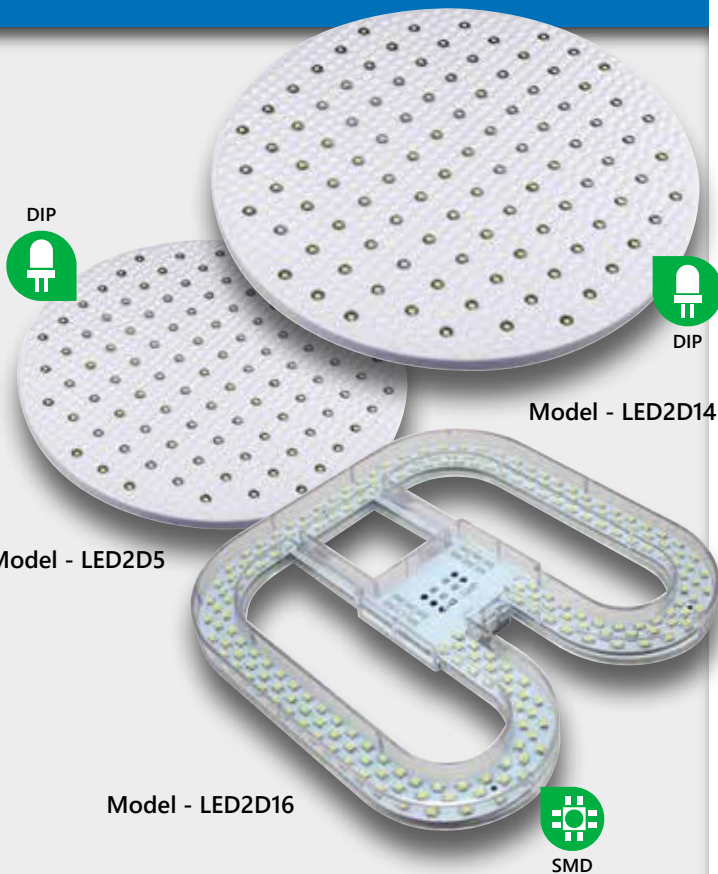
T5 2ft Anti-Corrosive Single & Twin Fittings		Ballast	Body/ Diffuser	Fixing Centre (mm)	Dimensions (LxWxD)(mm)
AC114PC	2ft 14W Single Anti Corrosive fitting	Electronic	PC/PC	405	610x86x80.5
AC214PC	2ft 14W Twin Anti Corrosive fitting	Electronic	PC/PC	405	610x105x85
T5 4ft Anti-Corrosive Single & Twin Fittings		Ballast	Body/ Diffuser	Fixing Centre (mm)	Dimensions (LxWxD)(mm)
AC128PC	4ft 28W Single High Output Anti Corrosive Fitting	Electronic	PC/PC	905	1210x86x80.5
AC228PC	4ft 28W Twin High Output Anti Corrosive Fitting	Electronic	PC/PC	905	1210x105x85
T5 5ft Anti-Corrosive Single & Twin Fittings		Ballast	Body/ Diffuser	Fixing Centre (mm)	Dimensions (LxWxD)(mm)
AC135PC	5ft 35W Single High Output Anti Corrosive Fitting	Electronic	PC/PC	905	1508x86x80.5
AC235PC	5ft 35W Twin High Output Anti Corrosive Fitting	Electronic	PC/PC	905	1508x105x85



2D LED Lamps & Bulkheads

(Including Emergency & Motion Sensor)

7



2D 14W & 5W Retrofit Lamps

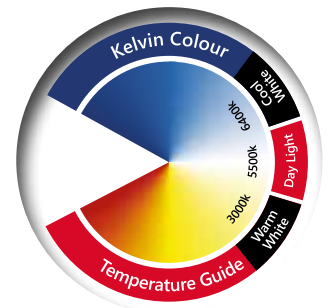
(For use in any fitting)

- LED2D14 is a Replacement Lamp for 28W, 38W, 4 Pins
- LED2D5 is a Replacement for 16W, 2 Pins
- Direct replacement for switch start/ magnetic ballast or with high frequency by bypassing control gear
- Energy Saving, Brighter, Longer Life.
- Output:- 14W Lumens - 1250Lm / Output:- 5W Lumens - 450Lm
- Body:- Flame Retardant Polycarbonate
- Number of LED:- 104 (14W) / Number of LED:- 64.(5W)
- Beam Angle:- 120° Degrees
- Colour:- 6500k (Cool White)
- Dimensions:- 220 X 24mm (14W) / 133x24mm (5W)
- Ingress:- IP20
- Voltage:- 85-260V, 50-60Hz
- Average Life:- 35,000 hours

2D Shape 15W Non-Retrofit Lamps

(For use in CED fittings)

- LED2D16 is an equivalent to 28W, 38W, 4 Pins
- Replacement lamp for use in LUNALED2D16 /EM3 /MS fittings only
- Energy Saving, Brighter, Longer Life.
- Output:- 15W Lumens - 1400Lm
- Body:- Flame Retardant Polycarbonate
- Number of LED:- 216
- Beam Angle:- 120° Degrees
- Colour:- 6500k (Cool White)
- Dimensions:- 200x200x31
- Ingress:- IP20
- Voltage:- 85-260V, 50-60Hz
- Average Life:- 35,000 hours



Average Life
35k Hours

Upto 80% Saving

2D Disk Shape LED 16W Retrofit Lamps & Fittings

Model	Description
LED2D14	2D 14W LED Lamp 4 Pin Replacement for 2D 28W & 38W
LED2D5	2D 5W LED Lamp 2 Pin Replacement for 2D 16W

*N.B. Existing 2D luminaires may require modification to fit 2D LED Lamps.

2D Actual Shape LED Lamp (Non-Retrofit) for use with CED lamps only

Model	Description
LED2D16	2D 15W 216 LED 4 Pin Lamp for 28W & 38W

*N.B. Replacement lamp for LUNALED16 and BHLED2016 equivalent to 38W.

No. LED	Lumens	Lumens per Watt	Colour	Dimensions (mm)
104	1250	85	6500k	222x37
64	450	85	6500k	133x30

No. LED	Lumens	Lumens per Watt	Colour	Dimensions (mm)
216	1400	85	6500k	200x200x31





Luna Bulkhead with 2D 14W/5W LED Retrofit Lamp

- 2D Bulkhead with 14W/5W LED Lamp
- Suitable for Wall/Ceiling Indoor/Outdoor
- IP54 – Polycarbonate White Body/Opal Diffuser
- Dimensions – 275x275x90mm (LUNALED2D5)
330x330x110mm (LUNALED2D14)
- Optional Chrome Trim Ring:
Chrome Trim Ring for LUNA5RCHR to make Chrome Body Opal Diffuser
Chrome Trim Ring for LUNA14RCHR to make Chrome body Opal Diffuser

Luna Bulkhead with 16W Dedicated 2D shape LED lamp

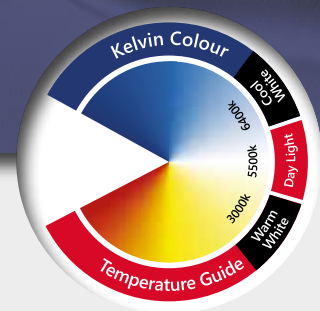
- 2D – Bulkhead c/w 15W LED Lamp
- Non-Retrofit lamp
- Suitable for Ceiling/Wall Indoor & Outdoor
- IP54 – Polycarbonate White Body Opal Diffuser
- Dimensions – 330x330x110
- Motion Sensor & Emergency version available
- Optional Chrome Trim Ring to Convert the fitting into Chrome Ring Opal Diffuser
Chrome Trim Ring for LUNA14RCHR to make Chrome body



Model - LUNALED2D14



DIP



Model - LUNALED2D5



Model - LUNA5RCHR

15W LED Luna Fittings (Non-Retrofit)		LED	Lamp Lumens	Lumens per Watts	Colour	Dimensions (mm)	Lamp Code
LUNALED2D16	2D-15W Luna LED Fitting White Body & Opal Diffuser IP54 - Replaces 38W (2D Shape Lamp)	216	1400	85	6500k	330x330x110	LED2D16
LUNALED2D16EM3	2D-15W 180V-240V Emergency c/w 2D LED Lamp PC	216	1400	85	6500k	330x330x110	LED2D16
LUNALED2D16MS	2D-15W 180V-240V Motion Sensor c/w 2D LED Lamp PC	216	1400	85	6500k	330x330x110	LED2D16

5W - 14W LED Luna Fitting (with Retrofit Lamp)		LED	Lamp Lumens	Lumens per Watts	Colour	Dimensions (mm)	Lamp Code
LUNALED2D14	2D-14W Luna LED fitting White Body & Opal Diffuser IP54 - Replaces 28W	104	1250	85	6500k	300x300x110	LED2D14
LUNALED2D5	2D-5W Luna LED Fitting White Body & Opal Diffuser IP54 - Replaces 16W	64	450	85	6500k	275x275x90	LED2D5

Luna Rings		Finish	Dimensions (mm)
LUNA14RCHR	Luna Ring for 14W	Chrome	Ø330
LUNA5RCHR	Luna Ring for 16W	Chrome	Ø275

LED Circular Bulkheads (BH Series)



Model - BHLED2D16

Model - BHLED2D5

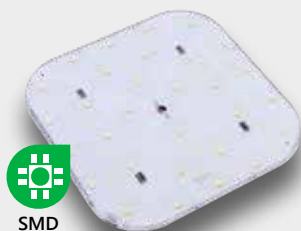
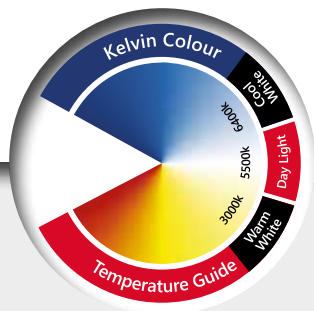
BH Series LED Circular Bulkhead (5W/14W/15W)

- Energy Saving Brighter Longer Life
- 2D Circular
- BH Bulkhead c/w 5W LED Lamp or 14W LED Lamp
- Suitable for Wall/Ceiling Outdoor and Indoor IP65
- Polycarbonate White Body Opal Diffuser
- Replacement Lamp Code:- (2DLED5/2DLED14/LED2D16)
- Average Lamp Life – 35,000 hours
- Ingress:- IP65



9

LED BH Series Bulkheads		No. LED	Lumens	Lumens per Watt	Colour	Dimensions (mm)
BHLED2D14	2D-14W LED Fitting BH White Body Opal Diffuser replaces - 28W	104	1250	85	6500k	Ø280x86
BHLED2D5	2D-5W LED Fitting BH White Body Opal Diffuser replaces - 16W	64	450	85	6500k	Ø204x80
BHLED2D16	2D-15W LED Fitting BH White Body Opal Diffuser replaces - 38W (2D Shape Lamp)	216	1400	85	6500k	Ø204x80



Model - SMD2D14



Model - LUNASMD2D14EM3

SMD Lamps & Fittings		Emergency Lumens	Lumens per Lamp	Lumens per Watts	Colour	Dimensions (mm)	Lamp Code
SMD2D14	28W 5630 SMD Square Lamp for LUNASMD2D14	-	1400	95	6500k	196x196x30	
LUNASMD2D14*	2D 14W Luna LED Fitting White Body & Opal Diffuser P54	-	1400	95	6500k	300x300x110	SMD2D14
LUNASMD2D14EM3*	2D 14W Luna LED Fitting White Body & Opal Diffuser P54 Emergency	116	1400	95	6500k	300x300x110	SMD2D14
LUNASMD2D14MS*	2D 14W Luna LED Fitting White Body & Opal Diffuser P54 Motion Sensor	-	1400	95	6500k	300x300x110	SMD2D14
LUNASMD2D14EM3MS	2D 14W Luna with Emergency & Motion Sensor	116	1400	95	6500k	300x300x110	SMD2D14

* N.B. Replaces 28W SMD 5630 Square Lamp.





Model - LUN28WOHF

Luna Range High Frequency Bulkheads

LUN16WOHF / LUN28WOHF LUN16HF/CHR / LUN28HF/CHR

- Construction:- Polycarbonate body with Opal polycarbonate diffuser
- Electronic high frequency ballast (energy saving) complete with 16W 4 Pins / 28W 4 Pins
- Lumens:- 950Lm (16W) 1800Lm (28W)
- Voltage:- 240V AC 50Hz - Double insulated
- Suitability:- Walls/ceilings indoor and outdoor
- Finish:- White or Chrome trim
- Dimensions:- 270x90mm (16W) 325x325x110 (28W)
- Ingress:- IP65

LUN28WOHF/MS

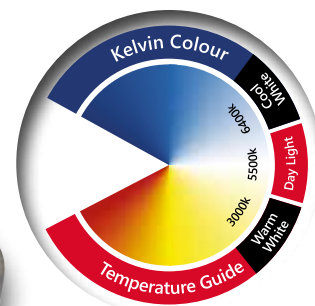
- Construction:- Polycarbonate body with Opal polycarbonate diffuser
- Electronic microwave motion sensor (energy saving) which operates through the diffuser
- Electronic high frequency ballast (energy saving)
- Adjustable time & LUX
- Detects human presence and turns the fitting on thus saves electricity when no presence
- Matches 2D-28W LUN28WOHF
- Type:- 2D-28W 4 Pins (complete with lamp)
- Lumens:- 1800Lm
- Voltage:- 240V AC 50Hz - Double insulated
- Suitability:- Walls/ceilings indoor and outdoor
- Finish:- White or Chrome trim
- Dimensions:- 325x110mm
- Ingress:- IP65

LUN28WOEM3

- Construction:- Polycarbonate body with Opal polycarbonate diffuser
- Electronic high frequency ballast and invertor
- Voltage:- 240V AC 50Hz - Double insulated
- Green Neon light to show battery being charged
- NiCad battery - 3.6v 40Ah
- 3 hours maintained or non-maintained
- Suitability:- Walls/ceilings indoor and outdoor
- Finish:- White body / Opal diffuser (complete with lamp)
- Type:- 2D-28W
- Lumens:- 1800Lm
- Dimensions:- 325x110mm
- Ingress:- IP65



Model - LUN16HF/CHR



Luna 16, 28W Fittings		Lamps Lumens	Colour	Dimensions (mm)
LUN16WOHF	2D 16W White/Opal IP65 HF c/w Lamp	950	3500k	270x270x90
LUN28WOHF	2D 28W White/Opal IP65 HF c/w Lamp	1800	3500k	325x325x110
LUN16HF/CHR	2D 16W CHR/Opal IP65 PC H/F c/w Lamp	950	3500k	270x270x90
LUN28HF/CHR	2D 28W CHR/Opal IP65 PC H/F c/w Lamp	1800	3500k	325x325x110
LUN28WOHF/MS	2D 28W WHI/Opal IP65 PC Motion Sensor c/w Lamp	1800	3500k	325x325x110
LUN28WO/EM3	2D 28W White/Opal IP65 HF Emergency c/w Lamp	1800	3500k	325x325x110
LUN38WOHF	2D 38W White/Opal IP65 HF c/w Lamp	2400	3500k	325x325x110
LUN38WO/EM3	2D 38W White/Opal IP65 HF Emergency c/w Lamp	2400	3500k	325x325x110



LED & Non-LED Emergency Twin Spots Non-Maintained



DIP

Model
EST5NM65



DIP

Model - EST2120LED

LED Twin Spot EST5NM65 Emergency Fitting - IP65

- Polycarbonate body
- 240V 50hz - 9W
- 4.7W LED x 2 Spots
- 3 Hours emergency twin spot
- Recharging time 24 hours
- IP65
- Battery 6V 7Ah Lead Acid
- Wall mounting key holes
- Auto test indicators (by pressing the switch on PCB)
- Detect charging, lamp 1 or lamp 2 fault
- Supplied with pg13.5 IP65 Gland

LED Twin Spot EST2120LED Metal Body Emergency Fitting

- Metal body twin spot white
- 240V-50Hz Non-Maintained
- IP20 3 hours Non-Maintained
- 240Lm (2x120Lm) 60 spot led each side
- 12V 4.5Ah battery
- 20mm top side cable entry
- Class 1
- Charging time 24 hours

Emergency Twin Spot EST255NM (2 x 55W)

- Steel body Glass Adjustable Heads
- 12V 7Ah x 2 Lead Acid Batteries
- 2x55W Halogen Bulb
- Protection Level IP20
- Emergency Operation Time 3 Hours
- Supplied including Lamp
- AC/DC Operated



Model - EST255NM

LED Twin Spot Emergency Fitting		Type	Lumens/ Watts	No. LED's	Finish	Body	Dimensions (mm)
EST5NM65	9W LED Twin Spot IP65 Auto Detect (PC) Non-Maintained 3 Hours Wall Mounting	DIP	340/5	54 (DIP)	White	Polycarbonate	300x70x294
LED Twin Spot Emergency Fitting - Metal Body		Type	Lumens/ Watts	No. LED's	Finish	Body	Dimensions LxDxH(mm)
EST2120LED	LED Twin Spot IP20 Metal Body Non-Maintained 3 Hours Wall Mounting	DIP	2x120	60 each side	White	Metal	305x70x306
Twin Spot Emergency Fitting - Non-Maintained		Type	Lumens/ Watts	No. LED's	Finish	Body	Dimensions (mm)
EST255NM	Emergency Twin spot 2x55W Non-Maintained	-	2x55	-	White	Polycarbonate	305x70x306



DIP

Model - LEDEM3CLR



SMD

Model - LED10EM3CLR

LED Emergency Bulkheads

LED Emergency Bulkheads

- Polycarbonate Body and Diffuser
- 3.6v 1500mAh Ni-Cad batteries
- White LED
- Protection level IP65
- Emergency operation time 3 hours
- Supplied including LED
- AC/DC operated

Recessed Fittings - Rec Series

- Metal Body with Polycarbonate Diffuser
- 2.4v 4.5Ah Ni-Cad batteries
- T5 8W
- Protection level IP20
- Emergency operation time 3 hours
- Single sided
- Supplied including lamp
- AC/DC operated

E8 Series

Drop Diffuser & Drop Down Panel c/w Legend

- Easy fit just screw in
- E8NM3 & E8M3 adaptors to make drop diffuser or drop panel
- Supplied with straight legend
- Polycarbonate longer lasting material



Model - E8DPNL (Diffuser only)



Model - REC8PNLDF



Model - E8DDIF

LED Bulkhead - 3 Hours		Dimensions (mm)
LEDEM3CLR	LED Bulkhead 3 hours maintained Clear Diffuser 8W 160Lm	350x120x75
LEDEM3OPL	LED Bulkhead 3 hours maintained Opal Diffuser 8W 145Lm	350x120x75
LEDEM3D/OPL	Opal Diffuser for LEDEM3CLR	350x120x75

LED Bulkhead - 3 Hours		Dimensions (mm)
LED10EM3CLR	LED Bulkhead SMD 10 LED strips 3 Hours Maintained (can be converted to Non-Maintained) 2W 78Lm	352x117x76
LED10EM3D/OPL	Opal Diffuser for LED10EM3CLR 2W 78Lm	352x117x76

Recessed Fittings 12" 8W		Dimensions (mm)
REC8PNL	12" 8 Watts with Drop Down Exit Straight Panel	410x135
REC8PNLDF	12" 8 Watts with Drop Down Exit Panel Straight c/w Diffuser	410x135x260

LED Panel Recessed Fitting		Dimensions (mm)
RECLEDPNL	LED with Drop Down Exit Panel - Straight c/w Diffuser	410x135x260

E8 Series Drop Diffuser & Drop Down Panel		Dimensions LxDxH(mm)
E8DDIF	Exit Drop Diffuser For E8M3, E8NM3 with Legend Easy Fit Opal	190x350x110
E8DPNL	Exit Drop Panel Diffuser for E8M3 & E8NM3 with Legend Easy Fit Transparent	200x350x115

"Emergency Fittings Accessories Comparison Chart" see page 50.

Premium Range

High Power Floodlights

High Power LED Floodlights

- Range 10W, 20W, 30W, 50W, 70W
- IP65
- Bridgelux LED
- Single for COB Multi-Chip LED
- High Lumens per Watts (Approx: 70 Lumens Per Watt)
- High Power Heat Sink to stand High Temperature & Heat of the LED
- View Angle - 75° Degrees
- 10W-70W Grey Colour Diecast Aluminium Body
- Average life >35,000 hours
- 240V - 50/60Hz
- CE Approved
- Surface mounting with bracket
- Other colour temperatures available to order
- RGB can be fixed to one colour
- Suitable for 110V applications
- Dual application suitable for indoor display lighting & outdoor floodlighting
- 10W, 30W PIR for domestic & commercial security
- No Pollution, No Thermal Radiation, Lead & Mercury Free
- Suitable for Hotels, Buildings, Lighting walls, Advertisement Boards & Gardens
- PIR Timer - Adjustable 10 secs - 10 mins
- PIR Ingress - IP65

10W and 30W available complete with PIR
10W and 30W available RGB with remote control



Model - MFL20LED

Model - MFL10LED/PIR

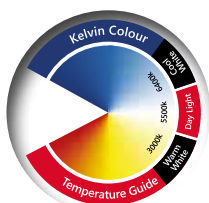
Model - MFL10LED/RGB

Model - MFL10-30RC



Average Life
35k Hours

Upto
80%
Saving

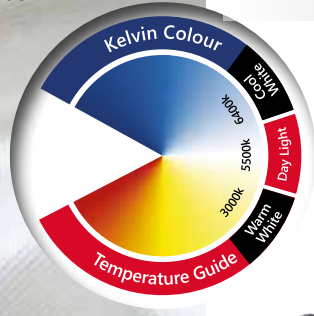


LED High Power Floodlights Grey Colour Diecast Body - AC(85-240V)		Ingress	Lumens	Effective Distance	Beam Angle	Colour	Dimensions LxWxD(mm)
Floodlights - Standard							
MFL10LED	10W Mini LED Floodlight c/w Driver	IP65	750	10-15M	75°	6500k	115x87x87
MFL20LED	20W Mini LED Floodlight c/w Driver	IP65	1600	15-20M	75°	6500k	179x139x110
MFL30LED	30W Mini LED Floodlight c/w driver	IP65	2400	20-25M	75°	6500k	225x185x126
MFL50LED	50W Mini LED Floodlight c/w Driver	IP65	4000	30-35M	75°	6500k	290x240x150
MFL70LED	70W Mini LED Floodlight c/w driver	IP65	5250	40-45M	75°	6500k	360x288x116
Floodlights - PIR							
MFL10LED/PIR	10W Mini LED Floodlight c/w Driver & PIR	IP65	720	10-15M	75°	6500k	115x87x87
MFL30LED/PIR	30W Mini LED Floodlight c/w driver	IP65	2400	20-25M	75°	6500k	225x185x126
Floodlights - RGB							
MFL10LED/RGB	10W Mini LED Floodlight c/w Driver and RGB/Remote 4 Modes 16+ fixed Colour & LUX Control	IP65	720	10-15M	75°	6500k	115x87x87
MFL30LED/RGB	30W Mini LED Floodlight c/w Driver - RGB 4 Modes 16 Plus Mixed Colour	IP65	2400	20-25M	75°	6500k	225x185x126
MFL10-30RC	Spare/Replacement Remote Control for MFL10LED/RGB						



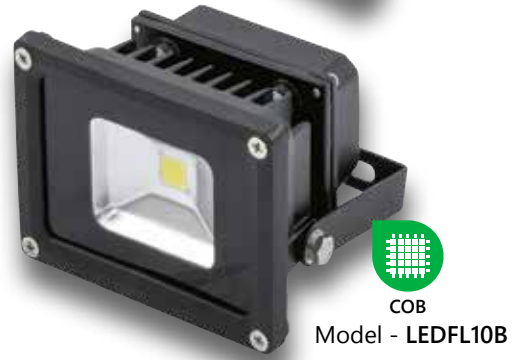
High Power LED Floodlights

- BS EN 62471
- Range 10W, 20W, 30W, 50W, 70W, 100W, 160W & 200W
- LED COB Type Chip
- High Lumens per Watts (Over 70 Lumens per Watt)
- High specification heat sink to withstand high temperatures and heat of the LED
- View Angle - 120° Degrees (PIR)
- Black Aluminium Body
- Average Life > 35,000 hours
- 240V-50/60Hz
- CE Approved
- Colour 6500K (cool white)
- Surface Mounting with Bracket
- Suitable for 110V applications
- No Pollution, No Thermal Radiation, Lead & Mercury Free
- Suitable for:- Hotels, Building, Lighting Walls, Advertisement Boards & Gardens
- Floodlight - IP65



PIR Specifications

- PIR installation height:- (2M - 4.5M)
- PIR distance - 12M
- PIR Lux - 3 Lux - 2000 Lux
- PIR duration:- (5 secs - 6 mins.)
- PIR - IP44



High Power LED Floodlights Economy Range		Ingress	Lumens	Colour	Finish	Dimensions
Floodlights - Standard						
LEDFL10B	10W LED Floodlight	IP65	820	Cool White	Black	115x85x85
LEDFL20B	20W LED Floodlight	IP65	1350	Cool White	Black	180x140x100
LEDFL30B	30W LED Floodlight	IP65	2180	Cool White	Black	225x185x135
LEDFL50B	50W LED Floodlight	IP65	3350	Cool White	Black	290x235x150
LEDFL70B	70W LED Floodlight	IP65	6300	Cool White	Black	370x290x120
LEDFL100B	100W LED Floodlight	IP65	8000	Cool White	Black	330x400x120
LEDFL160B	160W LED Floodlight	IP65	11500	Cool White	Black	600x287x114
LEDFL200B	200W LED COB Tunnel Floodlight	IP65	17000	Cool White	Black	690x292 N
Floodlights - PIR						
LEDFL10B/PIR	10W LED PIR Floodlight	IP44	820	Cool White	Black	115x85x85
LEDFL30B/PIR	30W LED PIR Floodlight	IP44	2180	Cool White	Black	225x185x135

Average Life 35k Hours

Upto 80% Saving

LED 10W & 30W RGB Floodlights - Black		Ingress	Chip No. LED's	Output Watts	Control Distance	Finish	Dimensions (mm)
LEDFL10/RGB	10W RGB 240V/50-60Hz AC Floodlight	IP65	COB LED 1 Epistar	10	5-8Mtr	Black	115x85x85
LEDFL30/RGB	30W RGB 240V/50-60Hz AC Floodlight	IP65	COB LED 1 Epistar	30	5-8Mtr	Black	225x185x135
LEDFLRC	Spare Remote Control for 10W/20W/30W						

Floodlights - Accessories	
LEDFL10SPIKE	Small Spike for 10-20W
LEDFL30SPIKE	Large Spike for 30W-70W

High Power Floodlights & Tunnel Lights (Display Lights)

(Indoor / Outdoor Dual Purpose) & Tunnel Lights

High Power LED Floodlights

- Light Source:- Bridgelux LED Chip
- Beam Angle:- 100° Degrees
- Frequency Range:- 50Hz~60Hz
- Input Voltage:- AC 85V~265V
- Power Factor:- >0.9
- Power Efficiency:- >87%
- LED Luminous Efficiency:- 90-100Lm/W
- Using High Power Ceramic Multi-Chip COB Bridgelux LED and high Quality Aluminium Body
- Beam Angle:- 75° Degrees
- IP65

15



Model - DUALLED30



Model - DUALLED20



Model - LEDFL150/LEDFL70

LED High Power Floodlights (Heavy Duty) for Tunnel & Street Lighting		Ingress	Lumens	Effective Distance	Finish	Colour	Dimensions LxWxD(mm)
LEDFL70	70W IP65 LED Floodlight	IP65	4900	45-50M	Black	6500k	393x285x93
LEDFL150	140W IP65 LED Floodlight	IP65	10500	50-55m	Black	6500k	593x285x93

LED High Power Floodlights - IP65 Black Diecast Class 1 Aluminium - Colour 6500k		Ingress	LED Consumption	LED Flux	Working Voltage	Colour	Dimensions HxWxD(mm)
DUALLED10	10W High Power LED Floodlight Wall/ Floor	IP65	10W	600	85-240V AC	6500k	180x167x85
DUALLED20	20W High Power LED Floodlight Wall/Floor	IP65	20W	1800	85-240V AC	6500k	290x245x120
DUALLED30	30W High Power LED Floodlight Wall/Floor	IP65	30W	1500	85-240V AC	6500k	290x245x120

LED High Power Floodlights Slim Floodlights (85-265V) - Black		Type	Circuit Watts	No. LED	Lumens	Beam Angle	Dimensions HxWxD(mm)
SLIMFL50	Slim 50W Dual Floodlight - Black	COB 50W	56W	1	3950	120°	332x406
SLIMFL70	Slim 70W Dual Floodlight - Black	COB 70W	78W	1	5450	120°	332x406
SLIMFL120	Slim 120W Dual Floodlight - Black	COB 120W	120W	1	9300	120°	345x465

*Slim Fittings FL50, FL70 & FL120 are the same design as Dual Fittings.

NEW



High Power LED High Bay Fittings

High Power LED High Bays

- High Purity Aluminium Reflector
- Heat Shrink made of Aluminium Alloy
- Single High Power LED (COB) - Multi-Chip (Epistar)
- Range:- 30W-200W
- Warranty:- 3 Year (average life >35,000 hours)
- Low Maintenance Cost
- High Efficiency Power Supply (Driver)
- High Lumen per Watts - AV-80L/Watts
- Available in:- Standard 50° Degree (narrow) or 100° Degree Beam - Optional Reflector
- Energy Saving , High Brightness, Long Life
- No Pollution, No Thermal Radiation, Lead & Mercury Free
- Instant start - unlike traditional discharge lamps which have long start up times
- Power factor >0.9
- Suitable for Factories, Workshops, Warehouses, Shopping Centres and Exhibition Halls etc.
- Supplied with Meanwell driver

Average Life 35k Hours

Upto 80% Saving

3 YEARS GUARANTEE

High Bay Reflector Dimensions 280x485mm



Model - HB90LED
50° Reflector

Model - HB150LED
110° Reflector

LED High Power High Bays Colour 6500k		Wattage	Lumens	Voltage	Angle Degrees	Weight Kg	Dimensions HxW (mm)	Approx. Equivalent
HB30LED	30W LED High Bay	30W	2400	85-265v 50-60Hz	50°	3.5	483x420	100W
HB50LED	50W LED High Bay	50W	4000	85-265v 50-60Hz	50°	4.2	524x420	150W
HB90LED	90W LED High Bay	90W	7200	85-265v 50-60Hz	50°	6	604x420	250W
HB150LED	150W LED High Bay	150W	12000	85-265v 50-60Hz	50°	8	684x420	400W
HB200LED	200W LED High Bay	200W	16000	85-265v 50-60Hz	50°	10	760x420	600W
HBLED400	400W LED High Bay	400W	12800	85-265v 50-60Hz	50°	20	440x340	1000W N
HBLEDREF110	LED High Bay Reflector	-	-	-	110°	-	-	-

*NB: 110° Angle is available with a spare reflector replacement.

Corn Lamp LED High Bay & Low Bay Fittings

LED High Bay Fittings

- Uses 60W, 80W & 100W Corn Lamps
- All three type of lamps are suitable for Low Bay and High Bay Body
- Gearbox with E40 Lampholders
- Reflector:- 19" Aluminium
- Tempered Glass Cover:- Sold separately
- Finish:- White
- Lamps:- Sold separately
- Comprises:- Fitting only (no control gear or cable)

LED Low Bay Fittings

- Gearbox with E40 Lampholders
- Reflector:- Aluminium
- Cover:- Tempered Glass
- Finish:- White
- Lamps:- Sold separately
- Comprises:- Fitting only (no control gear or cable)
- High Bay and Low Bay Fittings - Traditional design



"Fitting consists of empty body.
Lamps sold separately see page
31 for details of lamps"
60W, 80W & 100W Corn lamp.



Model - HBLEDNL
50° Reflector



Model - LBLEDNL
50° Reflector

LED High Bays	Fitting Code	Lamp Code	Wattage	Voltage	Dimensions HxW (mm)	Approximate Equivalent Output	NEW
High Bay Empty Fitting	HBLEDNL	CL60	60W	85-265v 50-60Hz	195x240x160	150W	
		CL80	80W	85-265v 50-60Hz	195x240x160	250W	
		CL100	100W	85-265v 50-60Hz	195x240x160	400W	
LED Low Bays	Fitting Code	Lamp Code	Wattage	Voltage	Dimensions HxW (mm)	Approximate Equivalent Output	NEW
Low Bay Empty Fitting	LBLEDNL	CL60	60W	85-265v 50-60Hz	590x280x150	150W	
		CL80	80W	85-265v 50-60Hz	590x280x150	250W	
		CL100	100W	85-265v 50-60Hz	590x280x150	400W	



LED Bulkheads

Bulkhead - BHLED6

- Black Base & Opal Diffuser
- Ingress:- IP65
- Wattage:- 6W



SMD

Model - BHLED5



SMD

Model - OVLED4



SMD

Model - RNDLED4



SMD

Model - BHLED6

LED Bulkheads

		Ingress	Output Watts	Lumens	Chip No. LED's	Dimensions (mm)
Bulkheads - Oval						
OVLED4	LED 4W SMD Oval Bulkhead Plastic/Glass/Metal Guard	IP44	4	310	60x0.06W	83x125x113
Bulkheads - Round						
RNDLED4	LED 4W SMD Round Bulkhead	IP44	4	310	60x0.06W	185x185x105
Bulkheads - Rectangular						
BHLED5	LED 5W SMD Rectangular Bulkhead AL/PC	IP44	5	350	72x0.06W	240x119x110
BHLED6	LED 6W SMD Bulkhead 84pcs c/w Opal Diffuser & Driver	IP65	6	500	84x0.06W	245x125x120

LED Half Lantern - HL8LED Black & White

- Dimensions -362x176x99mm
- Ingress - IP44
- Energy Rating - a very low energy rated wattage - 7 WATTS +/-5%
- Lumens - 360
- Lumens per watt - 45Lm*
- Indoor and Outdoor use
- Epistar 3528 (SMD)
- 6000k
- Cri Ra 70
- Two colours Black and White
- 30,000 hours life
- Beam Angle - 120° Degrees
- 240V-50Hz AC
- Current Rating 0.16 Amps
- Total Running Wattage - 8.0W
- Class II
- Constant Current LED Driver
- Primary 240V AC/Sec 350mA max DC 26V
- 2 year Guarantee
- CE, SELV, RohS, EMC WEEE Etc
- BS EN 60-598-1



LED Half Lantern

		Ingress	Lumens	Kelvin	Finish	Dimensions (mm)
HL8LED	8W LED Half Lantern with 120 LED Tray Black with Opal Diffuser	IP44	360	6000k	Black	362x176x99
HL8LED/WH	8W LED Half Lantern with 120 LED Tray White with Opal Diffuser	IP44	360	6000k	White	362x176x99

NEW

Energy Saving Sign Lights & Floodlights



SFL226/SWP226

- Construction:- Polycarbonate Body and Prismatic Diffuser
- Type:- 2x26W PLC 2 Pin Lamp
- Colour:- Black
- Voltage:- 240V 50Hz
- Integral Control Gear with Electronic Ballast
- Supplied with Lamp



FL242/FL442

- Construction:- Polycarbonate Body and Glass Diffuser
- Type:- 42W PLT Lamp
- Colour:- Black
- Voltage:- 240V 50Hz
- Integral Control Gear with Electronic Ballast
- Supplied with Lamp



SL411/SL324

- Construction:- Polycarbonate Body
- Type:- 4x11W c/w Lamps
- Voltage:- 240V 50Hz
- 20mm Threaded Entry
- Supplied with Lamp

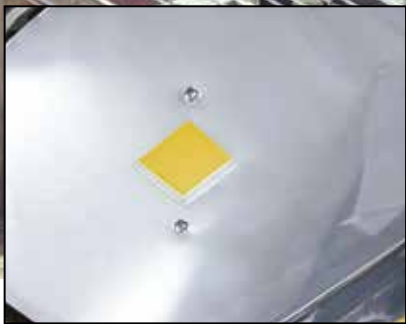
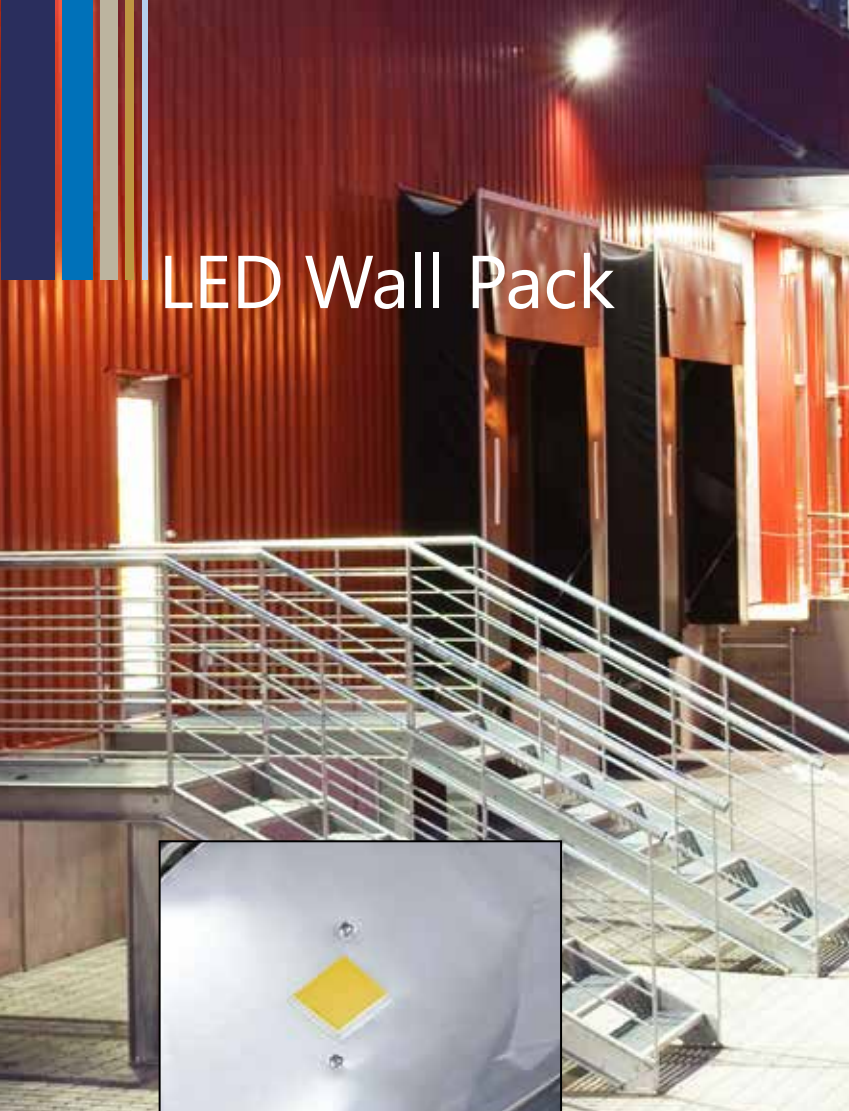
Floodlights / Wall Pack		Ingress	Lamp Body	Voltage	Finish	Dimensions (mm)	Lamp Code
SFL226	2x26W c/w Switch Start Ballast Floodlight with Magnetic Ballast	IP65	PLC 26W 2Pin	220V-240V	Black	320x280x230	XLPLC26
SWP226	2x26W Curved Wall Pack 230V with Magnetic Ballast	IP54	PLC 26W 2Pin	220V-240V	Black	308x264x182	XLPLC26

Floodlights		Ingress	Body / Diffuser	Lampholder	Voltage	Finish	Dimensions (mm)	Lamp Code
FL242	2x42W PLT Floodlight c/w Electronic Ballast	IP65	PC/Glass	Gx24q	220V-240V	Black	453x318x160	XLPLT42
FL442	4x42W PLT Floodlight c/w Electronic Ballast	IP65	PC/Glass	Gx24q	220V-240V	Black	525x465x195	XLPLT42

Sign Light		Ingress	Body / Diffuser	Lampholder	Voltage	Finish	Dimensions (mm)	Lamp Code
SL411	4x11W 2 Pin Electronic PL Sign Lite c/w Lamp	IP44	Plastic/PC	G23	220V-240V	Black	326x321x102	XLPL11
SL324	3x24W PLT Sign Lite c/w Electronic Ballast & Lamp	IP44	Plastic/PC	2G11	220V-240V	Black	362x382x114	XLPLT24



LED Wall Pack



Model - WPLED15



Wall Pack - WPLED15

- Construction:- Polycarbonate Body & Diffuser
- Black top Prismatic Diffuser
- Wattage:- 15W
- Ingress:- IP65
- Driver included
- Modern design with curved top
- Through knockouts
- BS EN 60596-2-1
- Suitable for coastal application
- Colour:- 6500k

Wall Pack - WPLED30

- 240V-50Hz
- COB 30W LED
- Construction:- Aluminium diecast body polycarbonate cover high purity reflector
- Ingress:- IP65
- complete with driver
- New curved shape design



Model - WPLED30



LED Wall Pack & Bulkheads		Ingress	Output Watts	Lumens	Chip No. LED's	Dimensions HxWxD(mm)
Wall Pack						
WPLED15	LED 15W Curved Wall Pack SMD c/w Driver	IP65	15	1640	SMD	308x265x185
WPLED30	LED 30W COB Wall Pack 6500k	IP65	30	2300	1 x COB	308x288x182

AT-EX EX-d Hazardous LED Fittings

Features

- Energy Saving
- Reduces the number of Luminaires you need
- Anti - Glare
- Shock and Vibration - Resistant
- Osram LED Source
- High Efficiency LED drivers
- Aluminium Alloy Enclosure
- 20J Impact
- IP66
- Suitable for hard water and Anti - corrosive Applications
- Colour - Yellow
- Bulkhead & Floodlight



Applications

- Flammable Vapours, Gases, Ignitable Dusts, Indoors and Outdoors
- Extremely Corrosive, Dusty, Hot and Cold Conditions Exist
- Marine, Wet Location and Hose Down Environments
- Manufacturing plants, heavy industrial, chemical, petrochemical, pharmaceutical facilities, platforms, Loading docks, tunnels, outdoor wall and Stanchion mounted general lighting area
- Group II, Zone 1, Zone 21, Zone 2 and Zone 22
- EX-d AT-EX Approved
- 100-240V AC



Model - GF30EXD



Model - AW30EXD

Non-Stock
item
Available to
order



"TO SPECIAL ORDER ONLY"
Please allow adequate lead time

"SPECIAL ORDER ONLY"



Bulkhead Golden Frog		Lumens	Output Watts	No. LED	Ingress	Dimensions (mm)
GF30EXD	30W Group II EXD Golden Frog 28 pcs LED Yellow	2900	30	28	IP66	311x284x190
GF60EXD	60W Group II EXD Golden Frog 28 pcs LED Yellow	4900	60	56	IP66	311x284x190
GF-UBKT	'U' Bracket for GF	-	-	-	-	480x180x62
GF-GUARD	Guard for 30W or 60W fitting protection	-	-	-	-	-
Floodlight - Arowana		Lumens	Output Watts	No. LED	Ingress	Dimensions (mm)
AW30EXD	30W Floodlight	3000	30	28	IP65	480x180x62
AWGUARD	Metal Guard for Arowana	-	-	-	IP65	-
General Accessories		Lumens	Output Watts	No. LED	Ingress	Dimensions (mm)
GFAW-BKT	Fixing Brackets for GF/Arowana	-	-	-	-	-
GFAW-LOOP	Fixing Loop for GF/Arowana	-	-	-	-	-





Model - SL90

Street Lighting & Low Bay Fittings

Street lighting Specs;

- 30W LED module:-
90W = 3x30W
120W = 4x30W
180W = 6x30W
- High Power LED
- Standard pole mounting fixing
- Colour - Grey
- Lumens/Watts - 85
- Ingress - IP65
- Materials - Diecast Aluminium

Low Bay Specs;

- Colour - Grey
- Unique Low Bay Fitting
- Lumens/Watts - 80
- Fan Driver heat exchange
- High Power Chip
- Materials - Diecast Aluminium



Model - LB80

"TO SPECIAL ORDER ONLY"
Please allow adequate lead time

Non-Stock
item
Available to
order

3 YEARS
GUARANTEE

"SPECIAL ORDER ONLY"

Street Lighting		Lumens	Output Watts	No. LED	Kelvin Colour	Beam Angle	Dimensions (mm)
SL90	90W LED Street Lighting IP65	7600	90	30	6500k	135°	755x300x228
SL120	120W LED Street Lighting IP65	10200	120	24	6500k	135°	755x300x228
SL180	180W LED Street Lighting IP65	15700	180	36	6500k	135°	850x400x180

LED Low Bay Fittings		Lumens	Output Watts	No. LED	Kelvin Colour	Beam Angle	Dimensions (mm)
LB80	80W LED Low Bay IP65 - White	6400	80	54	6500k	135°	615x410x225
LB100	100W LED Low Bay IP65 - White	8000	100	72	6500k	135°	615x410x225



Petrol Station & Surface Canopy Fittings

Features

- Creative module design
- Easy to install and maintenance
- CREE chip
- Innovation vapour chamber thermal technology using the new revolution of heat conductive
- >85lm/W high brightness, lower lumen depreciation
- Transmission of up to 94% of heat generated
- Unique module heat dissipation independently, protect LED's life
- A01 grade Aluminium heat sink
- Surface mounted or recessed styles for options

Non-Stock
item
Available to
order



"TO SPECIAL ORDER ONLY"
Please allow adequate lead time



Model - GS100 & GS200



Model - GS90 & GS180

Petrol Station Canopy Fittings		Lumens	Output Watts	No. LED	Kelvin Colour	Beam Angle	Dimensions (mm)
Recessed - Canopy Fittings							
GS90	90W Petrol Station Recessed Light IP65	7500	90	30	6500k	125°	420x420x92
GS180	180W Petrol Station Recessed Light IP65	15200	180	60	6500k	125°	520x520x92
Surface - Canopy Fittings							
GS90SF	90W Petrol Station Surface Light IP65	7500	90	30	6500k	125°	420x420x92
GS180SF	180W Petrol Station Surface Light IP65	15200	180	60	6500k	125°	520x520x92
Petrol Station - Explosive Proof EXE II-T5 Surface		Lumens	Output Watts	No. LED	Kelvin Colour	Beam Angle	Dimensions (mm)
GS100	Petrol Station Light 100W - White	8000	100	50	6500k	125°	438*438*304
GS200	Petrol Station Light 200W - White	16000	200	100	6500k	125°	438*438*304





**3 YEARS
GUARANTEE**

**Average
Life
35k
Hours**

**Upto
80%
Saving**

High Power Spots / Walkover & Mini Bollards

High Power LED Wall/Deck Lights

- High Power LED 1W & 3W Multiple - 6000k
- Complete with driver
- 240V-50Hz
- Heavy Duty Diecast material - Grey Colour
- IP66 suitable for outdoor use
- 80% energy saving high lumen output to comply part L (55Lm/Watts)
- Average Life 35,000 hours
- CE



Model - OS6

Model - OS9

Model - OS3



Model - WOL7



Model - MB3

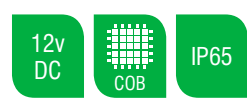
Heavy Duty High Power LED Deck/Wall Lights		Ingress	Lumens	Output	Kelvin Colour	No. LED's	Dimensions (mm)
OS3	3x1W Wall/Floor Grey Outdoor Spot	IP66	330	3.7W	6000k	3x1W	68x85(H)
OS6	6x1W Wall/Floor Grey Outdoor Spot	IP66	660	7.4W	6000k	6x1W	95x80(H)
OS9	3x3W Wall/Floor Grey Outdoor Spot	IP66	810	11.1W	6000k	3x3W	85x90(B)x138(H)
OS18	6x3W Wall/Floor Grey Outdoor Spot	IP66	1020	18W	6000k	6x3W	130x128(B)x206(H)
LED Walkover Lights 7W & 12W IP66							
WOL7	7x1W Walkover/Drive Over Light 1.9T	IP66	770	8.6W	6000k	7x1W	140x110(H) Cut Hole 125x125
WOL12	12x1W Walkover/Drive Over Light 1.9T	IP66	1320	15W	6000k	12x1W	183x90(H) Cut Hole 168x105
LED Mini Bollards 3W IP66							
MB3	3x1W Mini Bollard	IP66	330	3W	6000k	3x1W	60x150(B)

NEW

5W LED Garden Spike Lights

Features

- 12V DC safe IP65
- Comes complete with power supply
- Power supply to be mounted in an enclosure for IP65
- 5W COB - 400Lm
- Colour - Black



Model - SPK5CW

Garden Spike Lights		Lumens	Output	Ingress	Chip No. LED's	Dimensions (mm)
SPK5CW	5W Diecast COB LED Spike Light 6500k 12V DC Black c/w Power Supply	400	5W (circuit watts 6.5W)	IP65	COB 5W Epistar	92*72 Spike = 160
SPK5CW/T24W	24W Transformer for SPK5CW + 3 Way Connector	Black	24W	-	-	-

NEW

LED Deck Lighting Kit & COB Exterior Lights

High Power 3 in 1 5W COB Fitting

- Colour - Black
- Ingress - IP68
- Body - Diecast Aluminium
- 5W COB - 240V
- Including In-Ground Plastic Sleeve
- Suitable for Outdoor Garden Wall or In-Ground applications

High Power LED Deck Lighting Kit

- Body:- Diecast Aluminium
- Voltage:- 110 - 240V AC 50/60Hz
- Lumen Per Watts:- 85
- Colour Rendering Index:- 80
- Ingress:- IP55
- Colour:- 6500k
- Kit comes complete with Driver
- Additional Head available



x10



Model - LEDDEC10KSQWHI



Wall Spike In-Ground Fitting



Model - MPCOB5WHI

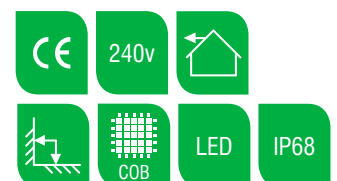
3 in 1 LED Multi-Purpose COB Lighting - Under Water Wall In Ground, Spike for General Purpose - IP68 (CE)

	No. LED	Total Lumens	Brackets in (mm)	Beam Angle	Cut Hole (mm)	Dimensions (mm)
MPCOB5WHI	1	375	67x67x15	60°	99x87	98.5x77
MPCOB5BLU	1	95	67x67x15	60°	99x87	98.5x77
MPCOB5SPIKE						-

*Above fitting contents:- Fitting, Bracket & In-ground sleeve (Spike is optional)

10 Head LED Deck Lighting Kit

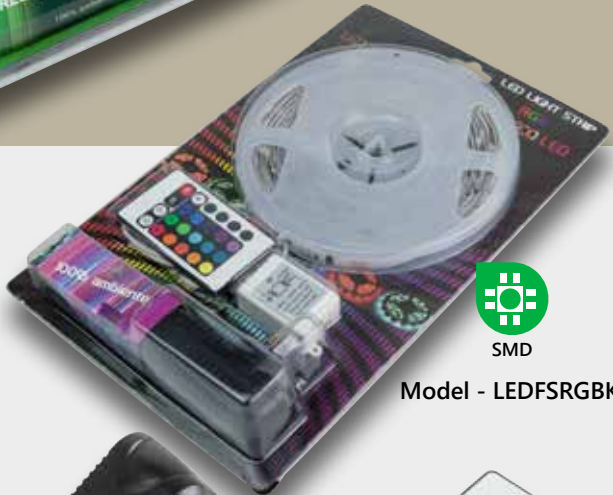
	Total Lumens	Cut Hole (mm)	Dimensions (mm)
LEDDEC10KWHI	150	34	44x44
LEDDEC10KBL	150	34	44x44
LEDDEC10KSQWHI	150	34	44x44x44
LEDDEC10KSQBL	150	34	44x44x44





SMD

Model - LEDFSUCKIT



SMD

Model - LEDFSRGBKIT



Model - LESFSPS3



Model - LEDFSRGBRC

Flexible LED & Under Cabinet Kits

Super Bright & RGB Flexible LED Kits

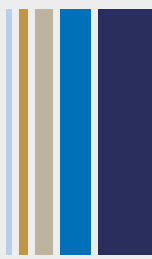
- Super bright White colour
- LED distance 33.33mm
- 5Mtrs 30 pieces LED (SMD5050)
- PCB 22-24mm
- 7.2 Watts (per reel)
- 12V-DC-3A adaptor
- 3M double adhesive tape
- LED per group can be cut & connected freely
- Dimension:- 10mm/5Mtrs



Super Bright & RGB Flexible LED Kits		Type	Lumens	Watts	No. LED	Length (Mtrs)	Circuit Watts	Kelvin	Colour	Dimensions (mm)
LEDFSWKIT	Super Bright Flexible Strip 5Mtrs Kit c/w Driver, Remote Control & Adaptor	SMD 5050	720	7.2	30	5	7.2	6000k	White	10x5000
LEDFSRGBKIT	Super Bright Flexible Strip 5Mtrs Kit c/w Driver, Remote Control & Adaptor	SMD 5050	-	7.2	30	5	7.2	6000k	RGB	10x5000
LEDFSUCKIT	3 Piece LED Kit 300mm 3x9 (SMD LED) Under Cabinet c/w Remote Control, Driver & Adaptor	SMD 5050	520	-	27	3x0.3	6.48	-	White	10x300

NEW

Flexible Strip Accessories		Colour	Dimensions HxW(mm)
Power Supply			
LESFSPS3	LED Flexible Strip Power Supply DC-12V	Black	83x61 NEW
Remote Controller			
LEDFSRGBRC	24 Keys Remote Controller For Flexible Strip 12V	White	Remote 85x51 Receiver 50x22 NEW
Connector			
LEDFSC14W	Flexible Strip Connector for Single Colour	White	- NEW
LEDFSC16RGB	Flexible Strip Connector for RGB	RGB	- NEW
LEDFSC10RGB	Flexible Strip Connector for RGB 4 Pins	RGB	- NEW
LEDFSC9RGB	Flexible Strip Connector for RGB	RGB	- NEW



Non-Stock
item
Available to
order



Model - LEDPL284/5W

LED Wall Uplighter Shaver & Picture Lights

High Power LED Wall Lights

- Body:- Diecast Aluminium
- Voltage:- 110-240V AC 50/60Hz
- Lumen Per Watts:- 85
- Ingress:- IP55
- Colour:- 6500k
- Complete with Driver



Model - WL3BATH



Model - WL6GREY/UD



LED High Power Wall Light - Diecast		No. LED	Ingress	Lumens	Finish	Dimensions (mm)
WL9GREY	9W LED Wall Light c/w Driver 350mm	3x3W	-	750	Grey	136x95
WL6GREY/UD	6W LED Up & Down Wall Light c/w Driver	1x3W	-	510	Grey	180x95
WL3BATH	3W Bath Wall Light	1x3W	-	250	Chrome	171x95x90
LEDPL284/5W	5W Picture Wall Light c/w Driver - 3000k	-	IP20	200	Chrome	464(L)x55(W)x234(H)

3W & 6W COB LED Wall Lights

- Type:- 3W & 6W COB
- Voltage:- 240V AC 50/60Hz
- Lumens:- 75 per Watt
- Finish:- White
- Designed for indoor use only



Model - LEDUL3W



Model - LEDUL6W

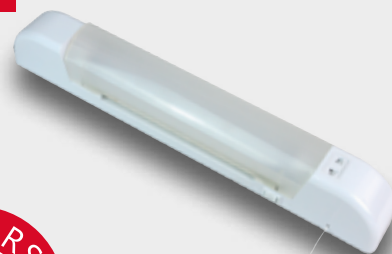


3W & 6W COB Wall Uplighters		Finish	Beam Angle	Lumens	Kelvin Colour	Dimensions (mm)
LEDUL3W	3W COB Uplighter	White	110°	240	6500k	180x140x60 (Long)
LEDUL6W	6W COB Uplighter	White	110°	480	6500k	167x80x76 (Short)

NEW

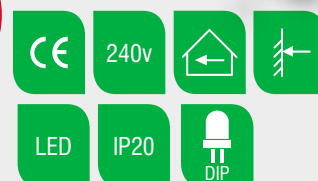
Dual Voltage LED Shaver Light

- Ingress:- IP20
- Energy Rating:- 'A' Rated (very low energy)
- Wattage:- 5 watts +/-5%
- Lumens:- 480Lm
- Lumens per Watt - 68.5Lm
- Location - Bathroom Zone 3 or outside zone
- Epistar (SMD-LED)
- 6000k Cool White
- Cri Ra 70
- Average Life:- 30,000 hours
- Voltage:- 240V-50Hz AC 0.05 Amps running current
- Total running wattage - 7.0W (include light source and control gear)
- Class II
- LED Driver:- Constant current LED Driver Primary 240V AC/sec 350mA max DC 26V
- CE, SELV, Rohs, EMC, WEEE etc
- CE certification
- BS EN 605981



LED Dual Voltage Shaver light		Finish	Beam Angle	Lumens	Kelvin Colour	Dimensions (mm)
SL1LED	Dual Voltage Shaver Light with 80 LED Tray White Base Opal Polycarbonate Diffuser	White	120°	480	6000k	490x59x70

NEW



LED SMD PL Replacement Downlighters

Premium
Range

Economy LED Downlighter DL3/DL4/DL6/DL8

- Construction:- Heavy duty diecast body with polycarbonate diffuser, driver case on the side of the body for easy driver change
- Loop In - Loop Out (cable entry)
- Voltage:- 100-240V AC 50Hz
- Type:- Class 4
- Cri > 70
- PF > 90
- Beam Angle:- 80° Degrees
- Available In:- 3" & 12"
- Average Life:- 35000 hours
- Colour:- 6500k
- Ingress:- IP20 (indoor use only)
- CE, RoHS
- DL12 suitable for large offices and commercial use




SMD
Model - DL8




SMD
Model - DL4




SMD
Model - DL12

No Loop In - Loop Out
(only DL12)

Economy LED Downlighter		Wattage	Lumens	Body	Cut Hole (mm)	Dimensions DxHxW (mm)	
DL3	LED D/L 6W	6	500	White	115	125x62x182	NEW
DL4	LED D/L 8.5W	8.5	760	White	130	145x65x198	
DL6	LED D/L 12W	12	1050	White	170	190x84x242	
DL8	LED D/L 18W	18	1420	White	210	230x105x261	
DL12	LED D/L c/w Driver 35W	35	2860	White	260	282x282x100	NEW
Emergency							
DL6/EM3	LED D/L 12W Emergency	12	200*	White	170	190x84x242	
DL8/EM3	LED D/L 18W Emergency	18	240*	White	210	230x105x261	

* Lumen output in emergency mode.
** For DL12 no loop in loop out fitting.

LED PL & General Replacement Downlighters

- Construction:- Light duty Aluminium body
- Colour:- White (c/w Opal Diffuser)
- Voltage:- 100-240V
- Driver included
- SMD 5630 (LED)
- 17W replacement 2 x 18W (6")
- 20W replacement 2 x 26W (8")
- CE, Rohs



Model - DL8/20W



LED SMD 5630 Replacement Downlighters		Wattage	Lumens	Chip No. LED's	Cut Hole (mm)	Dimensions HxW (mm)
DL6/17W	17W 6" D/L Cool White	17	1430	30Pcs(SMD 5630)	175	197x117
DL8/20W	20W 8" D/L Cool White	20	1650	36Pcs (SMD 5630)	210	232x117

LED COB Downlighters

- Voltage:- 100-240V
- Colour:- 5500k
- Construction:- Diecast Aluminium
- Driver included
- Ingress:- IP20
- For internal use only
- DL Series & Fixed Downlighter



COB

Model - DLCOB20/30



COB

Model - CPTCOB5



Model - EBCOB15

COB Lighting, Downlighter 20W,30W,10W & 5W (Pure White) c/w Driver - Colour 5500k (Indoor use only) (CE) (RoHS)		Wattage	Lumens	Beam Angle	Cut Hole (mm)	Dimensions HxW (mm)
DLCOB20	20W LED COB Downlighter	20	1700	76°	205	227x124
DLCOB30	30W LED COB Downlighter	30	2550	76°	205	227x124

LED COB Downlighters		Wattage	Lumens	Beam Angle	Cut Hole (mm)	Dimensions HxW (mm)
CPTCOB5	5W LED COB Downlighter Compact - Adjustable	5	400	24°	71	84x73
DLCOB5	5W LED COB Downlighter	5	390	60°	95	110x65
DLCOB10	10W LED COB Downlighter	10	732	60°	95	110x65

Adjustable Eyeball - Colour 5500k (Diecast Aluminium) Satin Chrome		Wattage	Lumens	Beam Angle	Cut Hole (mm)	Dimensions HxW (mm)
EBCOB15	15W LED COB Eyeball	15	1104	45°	170	188x145



Model - RTCOB20



Model - DC6COB15



Model - RTSMD30

Display Lighting

Rectangular/Round LED COB Recessed Lighting

- COB chip c/w driver
- Diecast Aluminium heavy duty construction
- 240V-50Hz
- Opaque/Opal glass diffuser to reduce the harsh effect LED chip
- 85% Energy Saving
- Indoor use
- 6400k - Cool White



Rectangular

- 35° (tilt)
- RA ≥ 75
- 20W & 30W
- Beam Angle - 67°
- IP20
- Adjustable angle

Round 6" & 8"

- 15 Watts & 25 Watts
- RA ≥ 75
- Beam Angle - 6" 45° & 8" 58°
- IP20 - Indoor use only
- 8" with emergency (15W)

6" & 8" Replaces existing 2x18W & 2x26W PL fitting (please verify cut hole size)

Application:-

Rectangular

Showroom, Display Lighting, General Commercial Application

Round

Offices, Reception & General Commercial Application



COB - Rectangular Recessed Downlighter		Total Lumens	Kelvin Colour	Output (Watts)	Angle Degrees	Cut Hole (mm)	Dimensions (mm)	Equivalent Output HQI
RTCOB20	20W COB Rectangular Recessed	1500	6400k	20	67°	220x132	241x154x92.5	70W
RTCOB30	30W COB Rectangular Recessed	2360	6400k	30	67°	220x132	241x154x92.5	100W
RTSMD30	30W SMD Rectangular Recessed	2190	6400k	30	67°	220x132	241x154x92.5	100W

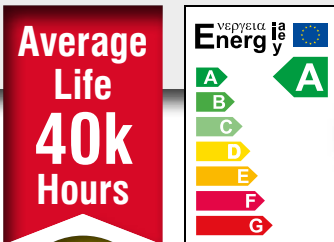
COB - Round 6" & 8" Recessed Downlighter IP54		Total Lumens	Kelvin Colour	Output (Watts)	Angle Degrees	Cut Hole (mm)	Dimensions (mm)	Equivalent Output PLC
DC6COB15	15W COB Round Recessed IP20	1105	6400k	15	45	162	178(D)x115(H)	2x18W
DC8COB25	25W COB Round Recessed IP20	1800	6400k	25	58	205	226(D)x121(H)	2x26W
DCCOB15/EM3	15W COB Round Recessed IP20 3 Hour Emergency	1040	6400k	15	45	162	178(D)x115(H)	2x18W

COB LED Dimmable 9W Fire Rated Downlighters

LED IP65 Fire Rated Downlighter 9W

Dimmable Plug and Play Modular System:-

- Integrated LED Module 36° Beam Angle
- Dimmable 10W LED Driver with Loop in / Loop Out Terminals
- Steel Front Bezel assembly c/w Borosilicate Safety Lens
- Super COB High Power LED and Sophisticated Reflector Lens Assembly provides the appearance of a Halogen Lamp
- Steel Bezel easily removed for re-decoration
- Replaceable Modules, i.e Front Bezel or LED Module or LED Driver
- Total Wattage of LED Modules must not exceed maximum Dimmer rating
- Minimum Dimming Load 40W i.e 4 x 10W LED Modules (Maximum 18 Modules)
- Recommended dimmer brands; MK, Varilight, Crabtree & CED (40-250 Watt Leading and Trailing Edge Dimmers)
- Designed for interior use only
- Spare Bezels available



Upto
80%
Saving

Meets
17th Edition
Building
Regs.



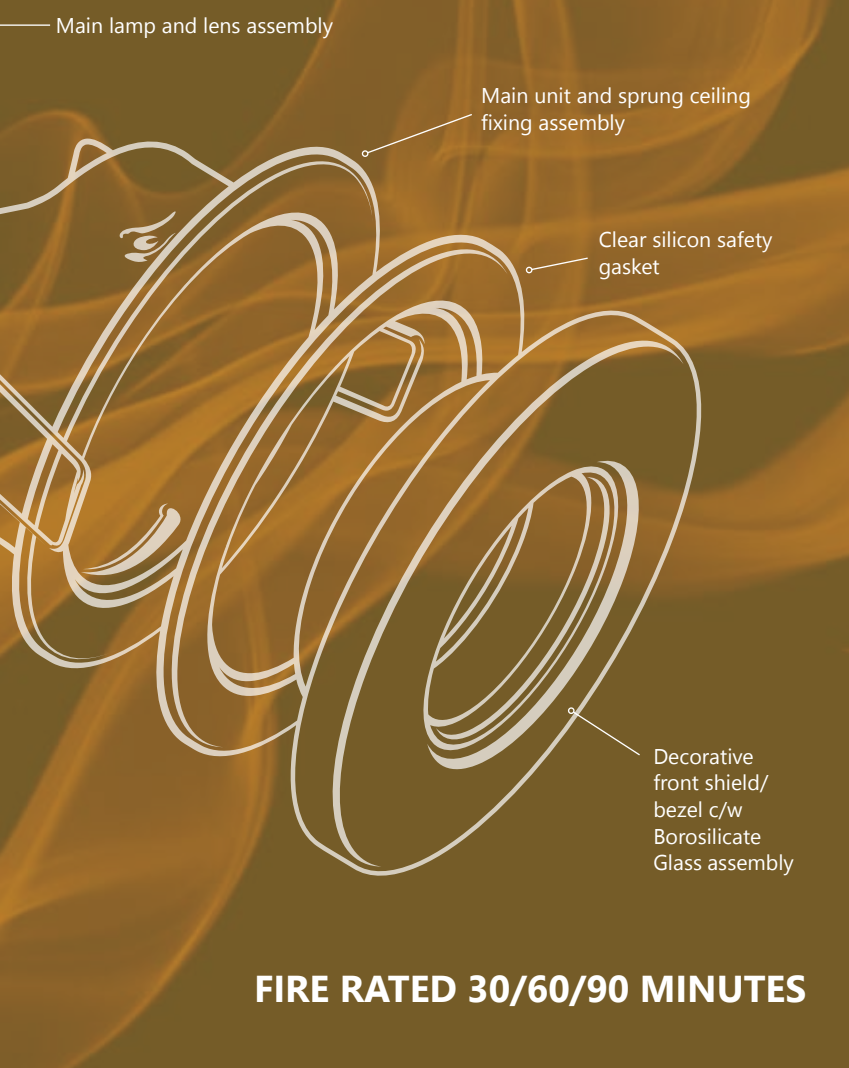
Unique Plug & Play Modular Design

Key - Dimensions

- Void depth: 80mm
- Ceiling Cut-Hole: 67mm
- Rim Diameter: 85mm
- Rim Depth: 7mm
- Flying Cable Length: 150mm
- Total Weight: 0.397kg



Building Compliance - to BS476 - Class II
Meets Part B, Part E & Part L1 Building Regulations - Rated IP65



FIRE RATED 30/60/90 MINUTES

General details

9W LED (Sharp) Circuit Watts (10W)
 Finishes:- White / Chrome / Satin Chrome
 Cut hole:- 67mm
 Energy Rating - class "A"
 Ingress:- IP65



Light source

COB:- 9W Sharp LED
 Beam:- 36°
 Lumens:- (3000k - 520Lm) & (5500k - 580Lm)
 Cri > 78
 Average Lamp Life:- 40,000
 Lens:- Multi-Light Array (no glare same as dichroic)

Electrical

Voltage:- 220-240V
 Classification = Class II (c/w earth provision)
 PFC > 90
 Driver:- 200mA constant current
 Cable:- 120° CE, VDE approved, nylon plug and play connector

Installation

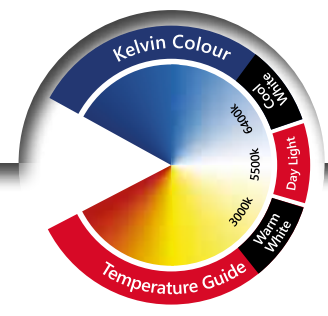
Suitable for:- 12.7mm plaster board with 2 clips

Material

Main housing:- Mild Steel 0.8mm thickness
 Front shield:- Clear Borosilicate Glass
 Safety Gasket:- Clear Silicon
 Including insulation separator

Approvals

Driver:- SAA CE, SELV
 Conforms to:- BS EN 60598
 Suitable for new build, House conversion and offices



Typical Installation

Suitable for plaster board up to 12.7mm (thickness) with a cut hole of 67mm to ensure easy seating of the Downlighter.

Dimmer Configuration

For dimmer installation the total wattage of LED modules must not exceed the maximum dimmer rating. A minimum dimming load of 40W i.e 4 x 10W LED modules (maximum 18 modules). *Please read the instructions included for clarification before commencing work.*

Flame proofing provided by Borosilicate lens.

9W COB LED Fire Rated Downlighters		Output	Lumens	Kelvin Colour	Beam Angle	Chip No. LED's	Finish	Cut Hole (mm)	Dimensions HxDia.(mm)
Warm White									
FR9CH	10W COB Downlighter IP65	9W	520	3000k	36°	1 x SHARP	Chrome	67	80xØ85
FR9SC	10W COB Downlighter IP65	9W	520	3000k	36°	1 x SHARP	Satin Chrome	67	80xØ85
FR9WHI	10W COB Downlighter IP65	9W	520	3000k	36°	1 x SHARP	White	67	80xØ85
Cool White									
FR9CH/CW	10W COB Downlighter IP65	9W	580	5500k	36°	1 x SHARP	Chrome	67	80xØ85
FR9SC/CW	10W COB Downlighter IP65	9W	580	5500k	36°	1 x SHARP	Satin Chrome	67	80xØ85
FR9WHI/CW	10W COB Downlighter IP65	9W	580	5500k	36°	1 x SHARP	White	67	80xØ85
FR9/EM3	10W COB Emergency Downlighter IP65	9W	155*	5500k	36°	1 x SHARP	-	67	80xØ85

Rings for the above fittings

FR9RING/CH	Chrome Ring for FR9CH
FR9RING/SC	Satin Chrome Ring for FR9SC
FR9RING/WHI	White Ring for FR9WHI

* Lumen output in emergency mode.
 ** Lamp is 9W but complete fitting circuit watts is 10W.

"5 Watt - Mini version for small spaces available soon"

5W LED Fire Rated Downlighters

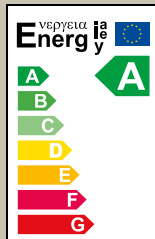
(for smaller bathrooms or cloakrooms)

5W LED Fire Rated Downlighters IP65

- 5W LED Fire Rated Downlighter
- Depth 100mm Cut out: Dia. 67mm Front Rim Dia. 85
- Ingress IP65
- Class A
- Lumens:-260Lm +/-5% (3000k)
- Lumens per watt:- 58Lm/W (3000k)
- Colour Temperature:-3000K
- Colour Rendering Index Cri Ra>80
- Average Life:- 40,000 hours
- Beam Angle:- 36° Degrees
- Voltage:-220V-240V +10/-6% 50 Hz AC
- Class II
- Total running wattage 6W
- Driver:- 410mA Constant Current DC10-15V
- BS EN 60598-2-1
- Modular system:- Easily replaceable i.e. Front Bezel LED Module, LED Driver



Average Life
40k Hours



Upto
80% Saving

Modular Fire Rated Downlighter 3000k (Warm White)		No. Chip	Lumens	Beam Angle	Kelvin Colour	Output Watts	Finish	Cut Hole (mm)	Dimensions Dia.xH(mm)
FR5WHI	5W Mini Bathroom Fire Rated D/L	1	260	36	3000k	5	White	67	Ø85x100
FR5CHR	5W Mini Bathroom Fire Rated D/L	1	260	36	3000k	5	Chrome	67	Ø85x100
FR5SC	5W Mini Bathroom Fire Rated D/L	1	260	36	3000k	5	Satin Chrome	67	Ø85x100



Building Compliance - to BS476 - Class II
Meets Part B, Part E & Part L1 Building Regulations
Rated IP65






Model - DIMFX8WW-SC

Dimmable FX8 comes with both White and Chrome Rings included as standard.



DIMMABLE DRIVER INCLUDED
 Class 2 Power Supply
 Primary: 100-240V AC .22A 50/60Hz
 Sec: 3-36v DC .35A
 Power Out: 1-8W Short Circuit & Overload Protected



CE  FC 



Model - AD8WW-WHI/SC

8W COB LED Downlighters Dimmable (Compact Modular System)

8W COB LED Downlighters (Compact)

- LED 8W COB - 38° c/w Driver
- Micro Lens Array LED Anti-glare Lens
- Light same as normal Dichroic GU10 Lamps
- Easy Plug & Play Driver and Lens all parts easily replaceable
- Two versions Fixed & Adjustable
- Two colour temperatures - 3000k (Warm White) & 5600k (Cool White)
- 240V 50Hz
- Average Lamps Life:- 35,000 hours
- Comply to domestic Part L
- Compact size Fixed (62x62mm) - Adjustable (70x62mm)
- Cut Hole Fixed (53mm) - Adjustable (60mm)
- Suitable for domestic & commercial use
- 80% Energy Saving Lamp

Average Life 35k Hours

Upto 80% Saving



"A choice of two rings in the same fitting White/Satin Chrome" - only fixed version.

Compact Adjustable 8W COB Downlighter - Dimmable		No. Chip	Lumens	Beam Angle	Kelvin Colour	Output Watts	Finish	Cut Hole (mm)	Dimensions Dia.xH(mm)
Adjustable									
DIMAD8WW-WHI	8W COB Dimmable Downlighter WW	1	450	38°	3000k	8	White	60	Ø62x70
DIMAD8WW-SC	8W COB Dimmable Downlighter WW	1	450	38°	3000k	8	Satin Chrome	60	Ø62x70
DIMAD8CW-WHI	8W COB Dimmable Downlighter CW	1	540	38°	5600k	8	White	60	Ø62x70
DIMAD8CW-SC	8W COB Dimmable Downlighter CW	1	540	38°	5600k	8	Satin Chrome	60	Ø62x70
Fixed									
DIMFX8WW-SC	8W COB Dimmable Downlighter WW	1	450	38°	3000k	8	Satin Chrome	53	Ø62x62
DIMFX8CW-SC	8W COB Dimmable Downlighter CW	1	540	38°	5600k	8	Satin Chrome	53	Ø62x62

3000k = Warm White
 5600k = Cool White

LED COB Compact Downlighters (Dimmable)

LED Compact Dimmable Downlighters

- Heat conducting Aluminium Heat Sink design
- Durability:- 35,000 hours 10 Times Longer Than Traditional Light
- Eco Friendly :- Does Not Contain Mercury Or Lead
- COB LED:- Single powerful COB LED with Micro Lens Array Reflectors - no glare looks like normal GU10 Dichroic lamp
- Driver :- High Efficiency > 95% stable driver
- Ra > 80
- Compact size easy to install
- Suitable for Home, Offices, Hotels, Display Lighting
- 6500K (Cool White)
- Colour Temperature (CCT) - 6500k Dimmable
- Two Colour White & Satin Chrome
- Voltage:- 85-240V
- CE, Rohs



COB

Model - COB12CW-WHI



COB

Model - COB15CW-WHI



COB

Model - COB20CW-WHI

3000k
To special
order only

Average
Life
35k
Hours



Upto
80%
Saving

Dimmable
with most
Dimmer's

50%
Dimming at
lower levels

	Type	Output Watts	Lumens	Beam Angle	Kelvin Colour	Cut Hole (mm)	Dimensions Dia.xH(mm)
12W	COB12CW-WHI	12	750	45	6500k	85	Ø100x75
15W	COB15CW-WHI	15	1000	45	6500k	75	Ø90x96
20W	COB20CW-WHI	20	1500	45	6500k	75	Ø90x118

N.B. Satin Chrome available on special order 8-10 weeks lead time





Fire Rated High Power LED Downlighters

High Power Fire Rated Downlighters (Including 5W & 3W Emergency)

- Part L (Exempt) - 5W LED Fire Rated Downlighter
- Ingress:- Two Versions IP65 & IP20
- Colours:- 6500k & 3000k
- Protection:- 90 minutes
- Construction:- Diecast Body
- Lamp:- Dedicated 5W

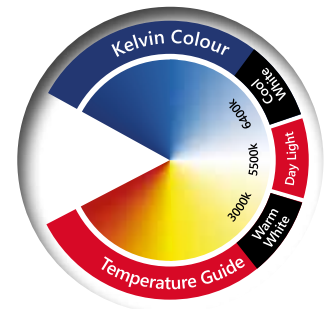


Model - DFPD565LSC

Model - DFPD565LSC/CW



Model - DLLED3NM



Fire Rated High Power LED Downlighters (Part L Exempt) Equivalent 45W 6500k (Cool White)

		Ingress	Finish	Lumens	Cut Hole (mm)	Dimensions HxDia.(mm)
DFPD565LCH/CW	5W High Power Fixed LED Downlighter	IP65	Chrome	210	73	155x86Ø
DFPD565LSC/CW	5W High Power Fixed LED Downlighter	IP65	S/Chrome	210	73	155x86Ø
DFPD565LWHI/CW	5W High Power Fixed LED Downlighter	IP65	White	210	73	155x86Ø
DFPD5LCH/CW	5W High Power Fixed LED Downlighter	IP20	Chrome	210	70	140x82Ø
DFPD5LSC/CW	5W High Power Fixed LED Downlighter	IP20	S/Chrome	210	70	140x82Ø
DFPD5LWHI/CW	5W High Power Fixed LED Downlighter	IP20	White	210	70	140x82Ø

*All Fire Rated High Power LED Downlighters come with Lamps for Cool White colour add - CW after the code. Cool White colour 6500k Lumens 210.



Fire Rated High Power Downlighters (Part L Exempt) Equivalent to 45W 3000k (Warm White)

		Ingress	Output (Watts)	Finish	Lumens	Cut Hole (mm)	Dimensions HxDia.(mm)
DFPD565LCH	5W High Power Fixed LED Downlighter	IP65	5	Chrome	190	73	155x86Ø
DFPD565LSC	5W High Power Fixed LED Downlighter	IP65	5	S/Chrome	190	73	155x86Ø
DFPD565LWHI	5W High Power Fixed LED Downlighter	IP65	5	White	190	73	155x86Ø
DFPD5LCH	5W High Power Fixed LED Downlighter	IP20	5	Chrome	190	70	140x82Ø
DFPD5LSC	5W High Power Fixed LED Downlighter	IP20	5	S/Chrome	190	70	140x82Ø
DFPD5LWHI	5W High Power Fixed LED Downlighter	IP20	5	White	190	70	140x82Ø



36

Dedicated Emergency Downlighters (Non-Fire Rated)

		Output (Watts)	Lumens	Colour	Cut Hole (mm)	Dimensions HxDia.(mm)
DLLED3NM	3W High Power LED Downlighter Non-Maintained 3Av Nicad	3	200	6500k	55	67x35
DLLED5NM	5W High Power LED Downlighter Non-Maintained 4.5Av Nicad	5	350	6500k	62	77x55





Model - LEDDLF3354SC



Model - LEDDLF3354WHI

Model - LEDDLF3354CHR

High Power Fixed LED Downlighters

LED 9W High Power Fixed Frosted Downlighter IP54

- Colour:- Cool White 6500k
- Lamp Life:- Up to 30,000 hours
- High Power (non-replaceable LED's)
- Low operating temperature for safety
- Low power consumption
- Voltage:- 240V AC 50Hz
- LED driver (Non-Dimmable)
- IP54



9W High Power LED Fixed Frosted Downlighter IP54	Wattage	Lumens	Finish	Colour	Cut Hole (mm)	Dimensions HxDia.(mm)
LEDDL3354WHI	3x3	410	White	6500k	65	110x77Ø
LEDDL3354CHR	3x3	410	Chrome	6500k	65	110x77Ø
LEDDL3354SC	3x3	410	Satin Chrome	6500k	65	110x77Ø

37

GU10 Bathroom Downlighters

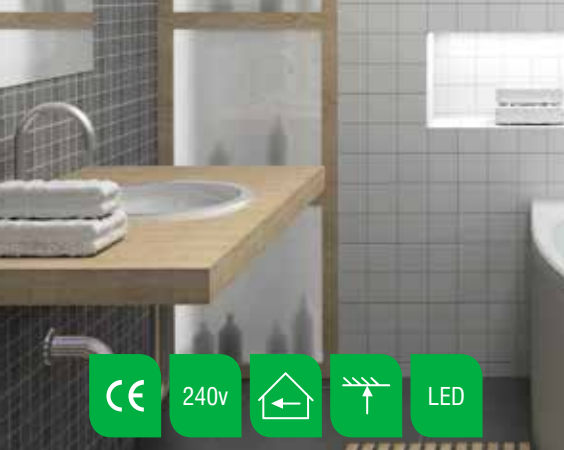
INCLUDED
All these stylish bathroom downlighter fittings come complete with dedicated clamp and clips as standard for GU10 connection



Features

- Construction:- Diecast Aluminium Body
- Voltage:- 240V 50Hz
- Ingress:- IP65
- Type:- GU10 (suitable for CFL7/9/11W or LED GU10) Lamp
- Suitable for LED GU10 Lamps

Decorative Aluminium Bathroom Downlighters c/w Connector Terminal & Bracket - IP65		Wattage	Lamp	Body	Finish	Cut Hole (mm)	Dimensions (mm)
Basic							
BDL2-BS-WH	GU10 - Basic	50	GU10	Diecast	White	64	113x79
BDL2-BS-SC	GU10 - Basic	50	GU10	Diecast	S/Chrome	64	113x79
BDL2-BS-CHR	GU10 - Basic	50	GU10	Diecast	Chrome	64	113x80
Flat Glass							
BDL5-GL-WH	GU10 - Flat Glass	50	GU10	Diecast	White	85	125x95
BDL5-GL-SC	GU10 - Flat Glass	50	GU10	Diecast	S/Chrome	85	125x95
BDL5-GL-CHR	GU10 - Flat Glass	50	GU10	Diecast	Chrome	85	125x96
Piston							
BDL3-PS-SC	GU10 - Piston	50	GU10	Diecast	S/Chrome	68	90x46
Step Down							
BDL4-SD-SC	GU10 - Step Down	50	GU10	Diecast	S/Chrome	68	90x46
Drop Glass - Round							
BDL6-DG-SC	GU10 - Drop Glass	50	GU10	Diecast	S/Chrome	70	104x72



Display Lighting Four Circuit Track LED & Metal Halide Fittings

70W - HQI (CDMT) Lamp

- 70W Metal Halide single ended lamp (CDMT)
- Body - Heavy Duty Aluminium Diecast
- Philips Electronic ballast
- Dimensions:- 285x164x166
- 240V 50Hz
- Fitted with four circuit track adaptor fitting



Model - TMLED25FC



Model - TMMH70

LED Track Mounting Fittings

- LED Four Circuit Track Fitting
- Body - Diecast Aluminium - White Aluminium reflector
- Two versions - 25W & 32W Citizen COB chip
- Dimensions:- 250x105x226mm
- 110-240V
- Fitted with four circuit track adaptor fitting



LED & Metal Halide Fittings		Type	Lumens	Output (Watts)	Angle (°)	No. LED	Kelvin Colour	Colour	Circuit Watts	Dimensions (mm)
Four Circuit Surface/Track Fittings 25W-32W										
TMLED25FC	25W Track Mounting Fitting	COB	2200	25	36	1	4000k	White	28	250x105x226
TMLED32FC	32W Track Mounting Fitting	COB	2850	32	36	1	4000k	White	35	250x105x226
Four Circuit Surface/Track Fittings HQI (CDMT) Lamp										
TMMH70	70W Track Mounting Fitting (CDMT) c/w Electronic Ballast	-	-	70	25	-	6400k	White	72	285x164x166

Four Circuit Track & Fittings		Colour	Dimensions (mm)
TM1W-FC	1Mtr Track	White	36.4x33
TM2W-FC	2Mtr Track	White	36.4x33
TMLE-FC	Track Live End	White	98.2x31.2
TMC-FC	Track Straight Track Connector	White	99.3x31.2
TMCF-FC	Track Flexible Connector	White	244x31.2
TMB-FC	Track Bend	White	98.2x96.2
TMB-FC	End Cap	White	-



LED High Bay & Low Bay Fitting Corn Lamps (Replacement Lamps)

SON/MBI Replacement Lamps

LED 60-100W E40 for Industrial use

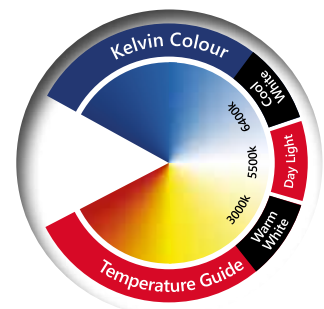
- 80% Energy Saving
- LED Industrial Lamp c/w Driver
- Output - 100Lm /Watts (approx.)
- Ra > 75
- 100-240V AC 50Hz
- Can be used with Low bay & High Bat (see page 17)
- Corn Lamps can be used in existing installation by bypassing the control gear
- 60W, 80W & 100W replacement for approximately 150W, 250W & 400W Metal Halide Lamps
- Economy Factor - To fit the lamp in existing fittings you must cut the circuit to save power
- Type - E40
- Colour - 6500k
- 3 year (warranty)
- Packed with white polystyrene support
- Used in warehouses, shops, industrial buildings, storage rooms
- High Bay and Low Bay application



SMD
Model - CL60

**Average
Life
50k
Hours**

**Upto
80%
Saving**



Industrial LED Replacement Lamps - E40		Lumens	Output Wattage	Beam Angle	Kelvin Colour	No. of Chips SMD 3528	Approximate Equivalent Output MH	Dimensions HxDia.(mm)
CL60	60W-E40 (GES) 5900Lm Lamp	5900	62	360°	6500k	960	150W	278xØ90
CL80	80W-E40 (GES) 7800Lm Lamp	7800	82	360°	6500k	1120	250W	280xØ105
CL100	100W-E40 (GES) 9800Lm Lamp	9800	102	360°	6500k	1456	400W	300xØ105

NEW



LED High Bay & Low Bay Lamps

(Energy Saving SON/MBI Replacement Lamps)

LED 20-60W E40 for Industrial use

- Voltage -100-240V AC 50Hz
- 360° Degrees SMD CHIP
- Transparent Diffuser
- 60W E40(GES) 20W & 40W E27 (ES)
- 5 Year Guarantee
- (CE) (ROHS)
- 35,000 hours



Model - HPL70GES

High Power LED Lamps

- High Power LED Bulb
- High efficiency Heat Sink with good heat dissipation
- 90-240V AC
- Ra > Pf > 90%
- E27 or E40-50W E27
- 70W, 120W (E40)
- Opal diffuser to protect the eye
- Replaces high pressure sodium or metal halide lamps required to cut old HPS & HBI circulatory
- Suitable for general illumination in factory, corridors, warehouses as high bay and general light source



Industrial LED Replacement Lamps 20W, 40W, 60W E40 & E27		Lumens	Output Wattage	Type	Kelvin Colour	Circuit Watts	Approximate Equivalent Output MH	Dimensions HxDia.(mm)	NEW
LED20	20W LED White E27 360° Degrees	1700	20	SMD	4000k	22W	100W	190x90	
LED40	40W LED White E27 360° Degrees	3400	40	SMD	4000k	44W	120W	268x90	
LED60	60W LED White E40 360° Degrees	5800	60	SMD	4000k	65W	200W	308x110	

High Power LED Replacement Lamps		Lumens	Output Wattage	Type	Kelvin Colour	Circuit Watts	Approximate Equivalent Output MH	Dimensions Dia.xH(mm)	NEW
HPL50ES*	50W E27 Replacement Lamp	4500	50	-	6500k	35W	150W	Ø173x249	
HPL70GES*	70W E40 Replacement Lamp	6000	70	-	6500k	78W	250W	Ø204x278	
HPL120GES*	120W E40 Replacement Lamp	10500	120	-	6500k	135W	400W	Ø204x272	

*To special order only.

"Fittings shown on page 16/17"

LED Retrofit Floodlight Lamps

Model - LEDFL1000/14W



Model - LEDFL150/4W



Model - LEDFL500/8W

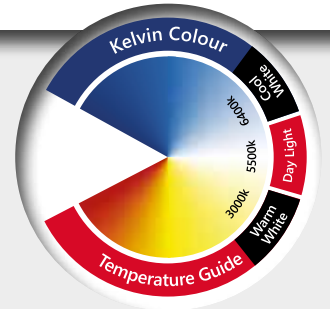


Direct Retrofit for 150W, 500W, 1000W Floodlight

- Available sizes:- 78mm, 118mm & 189mm
- SMD 5050 Chip
- Beam Angle:- 120° Degrees
- Voltage:- 240V
- Built In Driver
- Lumens per watts:- (80 L/watts)
- High Efficiency:- Low Energy Consumption
 - 4W replaces 150W
 - 8W replaces 500W
 - 14W replaces 1000W
- Colour:- 6500k
- Long Life:- 35,000-50,000 hours
- Low Maintenance
- Colour Rendering:- >72
- No UV or IR Radiation



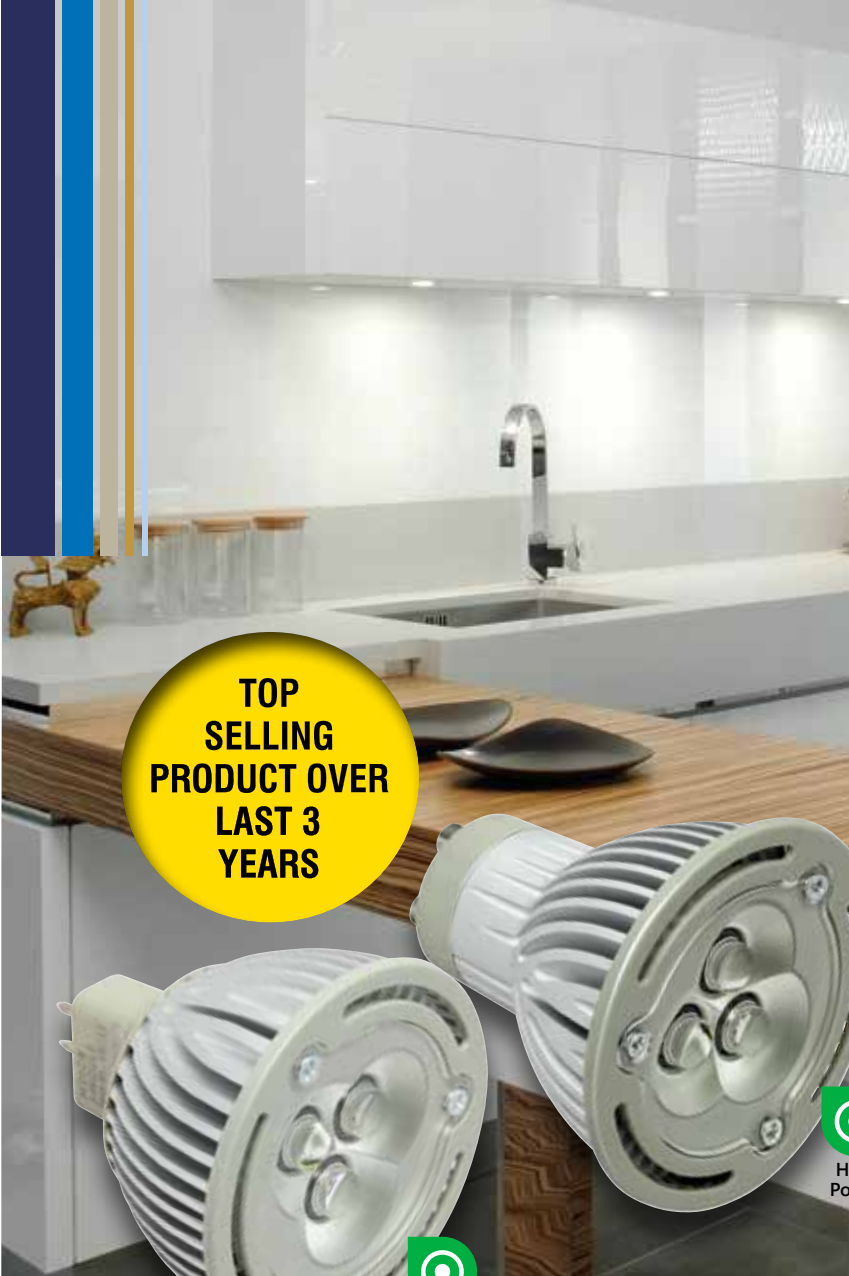
Model - LEDG9/3W



More than **90%** Energy Saving

By changing one 500W Halogen Lamp for a replacement 8W Lamp can save approximately 23kWh per annum.

Direct Replacement for 150W, 500W, 1000W Floodlight		No. LED	Watts	Lumens	Colour	Beam Angle	Chip	Dimensions (mm)
LEDFL150/4W	4W -78mm Replacement for 150W Floodlight Lamp	18	4	350	6500k	120°	SMD5050	78x55x35
LEDFL500/8W	8W -118mm Replacement for 500W Floodlight Lamp	36	8	700	6500k	120°	SMD5050	118x55x35
LEDFL1000/14W	14W -189mm Replacement for 1000W Floodlight Lamp	72	14	1300	6500k	120°	SMD5050	189x55x35
LED Replacement for G9 - 240V		No. LED	Watts	Lumens	Colour	Beam Angle	Chip	Dimensions (mm)
LEDG9/3W	2.6W G9 Lamp equivalent to 35W	23	2.6	280	3000k	120°	SMD5050	53.7x26.8



**TOP
SELLING
PRODUCT OVER
LAST 3
YEARS**

5.4W High Power GU10/MR16 Lamps (Standard Size)

- Top selling product over the last 3 years
- Easy to fit
- Reduce maintenance
- Energy Saving

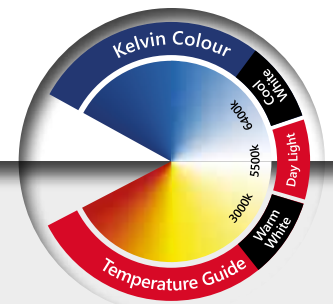



High
Power

Model - GU6CW


High
Power

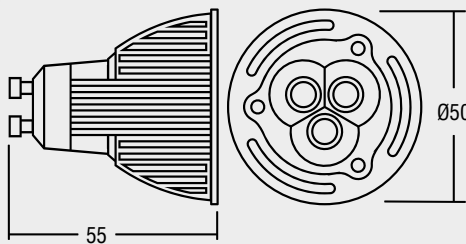
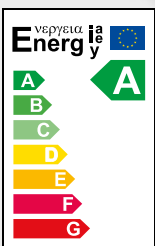
Model - MR6CW



**Average
Life
35k
Hours**

**Upto
80%
Saving**

CE RoHS



5.4W High Power LED Lamp Standard Size		Grade	Lumens	Colour	Average Life hours	Diameter (mm)	Length (mm)
GU6CW	5.4W GU10 Lamp Beam Angle - 35° (Clear Lens)	A	240	6400k	35,000	50	55
GU6WW	5.4W GU10 Lamp Beam Angle - 35° (Clear Lens)	A	200	3000k	35,000	50	55
GU6WHI	5.4W GU10 Lamp Beam Angle - 35° (Clear Lens)	A	200	3500k	35,000	50	55

6W High Power MR16 LED Lamp Standard Size		Grade	Lumens	Colour	Average Life hours	Diameter (mm)	Length (mm)
MR6CW	3x2W 5.4 MR16 Lamp Beam Angle - 35°	A	240	6400k	35,000	50	47
MR6WW	3x2W 5.4 MR16 Lamp Beam Angle - 35°	A	200	3000k	35,000	50	47
MR6WHI	3x2W 5.4 MR16 Lamp Beam Angle - 35°	A	200	3500k	35,000	50	47



LED COB GU10 3.5W & 5W Lamps (Standard Size)

LED COB Spot Lights

- Latest COB technology
- Standard Size (38° Degrees)
- Two wattages - 3.5W & 5W
- Robust Diecast Body Aluminium
- Anti Glare lens
- CE, EMC
- High lumens per Watts
- Complies to Part L
- High Lumens per Watt
- Easy to fit
- Reduces energy consumption

Average
Life
35k
Hours

Upto
80%
Saving

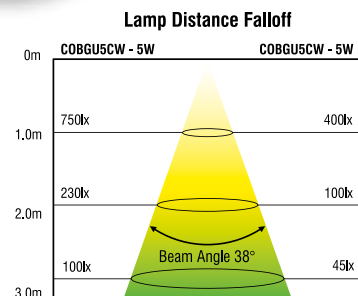
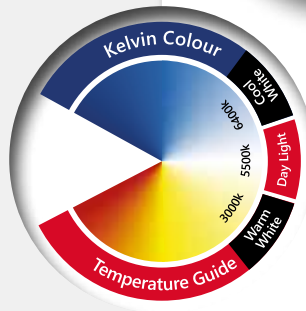
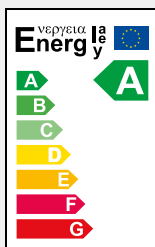
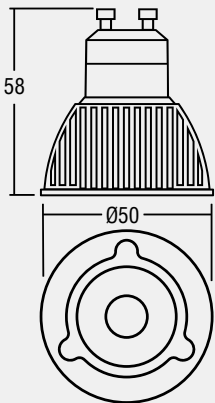
Latest
technology
COB Lamps
(Higher Lumens
per Watt)



3 YEARS
GUARANTEE

Model - COBGU3.5CW

Model - COBGU5CW



LED COB Spot Lights		Lumens	Output Watts	Beam Angle	Type	Kelvin	Chip No. LED's	Dimensions (mm)
5W 3000k Warm White - 6000k Cool White								
COBGU5CW	5W COB LED Lamp Diecast Body	360	5	38°	GU10	6000k	(COB) 1x5W	50x58
COBGU5WW	5W COB LED Lamp Diecast Body	340	5	38°	GU10	3000k	(COB) 1x5W	50x58
3.5W 6000k Cool White - 3000k Warm White								
COBGU3.5CW	3.5W COB LED Lamp Diecast Body	200	3.5	38°	GU10	6000k	(COB) 3.5W	50x58
COBGU3.5WW	3.5W COB LED Lamp Diecast Body	180	3.5	38°	GU10	3000k	(COB) 3.5W	50x58

NEW



Premium Range

Dimmable Range Available NOW

"Anti Glare Lens" unlike other LED lamps

Model - DCOBGU5CW

5W LED COB Lamps Dimmable & Non-Dimmable

(Produces light similar to normal Halogen Lamp)

LED 5W COB Lamps with Micro Lens (Array System)

- COB is an advance technology which uses Micro Lens Array system
- It has an Anti Glare Lens, It does not produce harsh spots normally LED Chip produce. Hence it does not irritate the eyes and protects the eye from glare
- Lens design produces light closer to Normal Halogen Lamp
- It offers Lighting effect similar to Normal colours
- Cool White 6400k and Warm White 3000k colour
- Produces more natural light

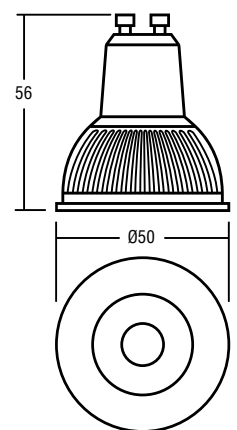


Average Life 40k Hours



RoHS

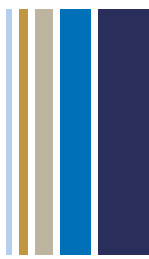
Upto 80% Saving



Weight: 53g (5W)

GU10 - Standard Size (Produces light close to normal Halogen Lamps)		Output Watts	Lumens	Kelvin Colour	Angle	Chip	Dimensions (mm)	
DCOBGU5CW	5W GU10 COB Part L	5	350	6400k	38°	COB Epistar	50x56	NEW
DCOBGU5WW	5W GU10 COB Part L	5	320	3000k	38°	COB Epistar	50x56	

Dimmable GU10 - Standard Size (Produces light close to normal Halogen Lamps)		Output Watts	Lumens	Kelvin Colour	Beam Angle	Chip	Dimensions (mm)	
DIMCOBGU5CW	5W GU10 COB Part L	5	320	6400k	38°	COB Epistar	50x56	NEW
DIMCOBGU5WW	5W GU10 COB Part L	5	300	3000k	38°	COB Epistar	50x56	



6W & 9W LED COB Lamps Dimmable & Non-Dimmable

(Produces light similar to normal Halogen Lamp)

LED 6W & 9W COB Lamps with Micro Lens (Array System)

- COB is an advance technology which uses Micro Lens Array system
- It has an Anti Glare Lens, It does not produce Harsh spots normally LED Chip produce. Hence it does not irritate the eyes and protects the eye from glare
- Lens design produces light closer to Normal Halogen Lamp
- It offers Lighting effect similar to Normal colours
- Cool White 6400k and Warm White 3000k colour
- Part L compliance
- Use with deeper fitting

Premium Range

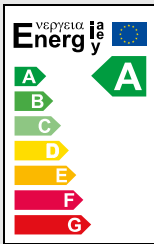


Model - DCOBUGU9CW

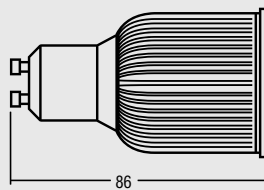
Model - DCOBUGU6CW



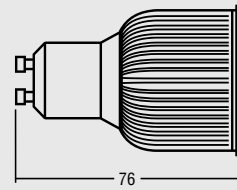
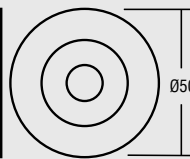
Average Life **40k Hours**



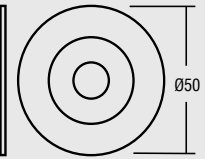
RoHS



Weight: 103g (9W)



Weight: 83g (6W)



GU10 - Longer Body Size (NS)
(Produces light close to normal Halogen Lamps)

Model	Wattage	Output Watts	Lumens	Kelvin Colour	Beam Angle	Chip	Dimensions (mm)
DCOBUGU6CW/NS	6W GU10 COB Part L	6	400	6400k	38°	COB Epistar	50x76
DCOBUGU6WW/NS	6W GU10 COB Part L	6	370	3000k	38°	COB Epistar	50x76
DCOBUGU9CW/NS	9W GU10 COB Part L	9	550	6400k	38°	COB Epistar	50x86
DCOBUGU9WW/NS	9W GU10 COB Part L	9	500	3000k	38°	COB Epistar	50x86

NEW

Dimmable GU10 - Longer Body Size (NS)
(Produces light close to normal Halogen Lamps)

Model	Wattage	Output Watts	Lumens	Kelvin Colour	Beam Angle	Chip	Dimensions (mm)
DIMCOBUGU6CW/NS	6W GU10 COB Part L	6	370	6400k	38°	COB Epistar	50x76
DIMCOBUGU6WW/NS	6W GU10 COB Part L	6	350	3000k	38°	COB Epistar	50x76
DIMCOBUGU9CW/NS	9W GU10 COB Part L	9	500	6400k	38°	COB Epistar	50x86
DIMCOBUGU9WW/NS	9W GU10 COB Part L	9	480	3000k	38°	COB Epistar	50x86

NEW

Upto **80% Saving**

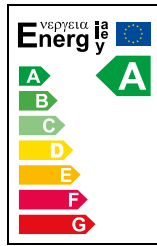
Dimmable Range Available **NOW**



GU10/MR16 & High Power Lamps

LED GU10/MR16 3W & 4W Lamps

- Size:- Standard GU10 / MR16
- Available In:- 3W & 4W
- Voltage:- 240V (non-dimmable)
- Type:- Two versions GU10 & MR16
- Colour:- 6500k (Cool White) 3000k (Warm White)



Average Life 35k Hours

Upto 80% Saving



Model - GU3CW



GU10 / MR16 LED Lamps

3W High Power LED Lamp - 3 LED 1W		Grade	Lumens	Colour	Average Life hours	Beam Angle	Diameter (mm)	Length (mm)
GU3CW	3x1W 3W LED GU10 Lamp	A	200	6400k	35,000	38°	50	58
GU3WW	3x1W 3W LED GU10 Lamp	A	180	3000k	35,000	38°	50	58

3W High Power LED MR16 Lamp		Grade	Lumens	Colour	Average Life hours	Beam Angle	Diameter (mm)	Length (mm)
MR3CW	3x1W 3W LED MR16 Lamp	A	200	6400k	35,000	30°	50	58

3W High Power GU10 LED Lamp		Grade	Lumens	Colour	Average Life hours	Beam Angle	Diameter (mm)	Length (mm)
GU13CW	1x3W 3 LED GU10 Lamp	A	130	6400k	35,000	38°	50	55

4W High Power LED Lamp		Grade	Lumens	Colour	Average Life hours	Beam Angle	Diameter (mm)	Length (mm)
GU4CW	3X1.4W 4W LED GU10 Lamp	A	200	6400k	35,000	20°	50	55
GU4WW	3X1.4W 4W LED GU10 Lamp	A	160	3000k	35,000	20°	50	55

4W MR16 LED Lamp		Grade	Lumens	Colour	Average Life hours	Beam Angle	Diameter (mm)	Length (mm)
MR4CW	4W LED MR16 3 LED Lamp	A	200	6400k	35,000	20°	50	47
MR4WW	4W LED MR16 3 LED Lamp	A	200	3000k	35,000	20°	50	47
MR4WHI	4W LED MR16 3 LED Lamp	A	200	3500k	35,000	20°	50	47

Glass Frosted		Grade	Lumens	Colour	Average Life hours	Beam Angle	Diameter (mm)	Length (mm)
GU4FG	4W 2 3 LED GU10 Lamp (no reflector) Frosted Glass	B	200	6400k	35,000	100°	50	55

5W SMD Standard Size Ceramic Body Lamps		No. LED	Output Watts	Lumens	Colour	Beam Angle	Chip	Dimensions (mm)
SMDGU5CW	5W SMD GU10 Lamp Ceramic Body	15	5.3	420	6400k Cool White	110°	SMD 5630	50x57
SMDGU5WW	5W SMD GU10 Lamp Ceramic Body	15	5.3	400	3000k Warm White	110°	SMD 5630	50x57



NEW



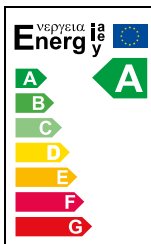
LED GLS Replacement Lamps

LED GLS Equivalent A60 Lamps

- High Power LED - GLS Replacement Lamp
- Construction:- Diecast Silver Body and Glass Opal Diffuser
- Voltage:- 240V (non-dimmable)
- Type:- 7W/11W Lamp
- Average Lamp Life:- 35,000 hours
- Energy Saving:- Grade 'A'
- Colour:- Cool White 6500k
Warm White - 3000k
- Dimensions:- 110x60mm (7W & 11W)
103x60mm 12W)



Average Life 35k Hours

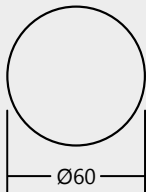
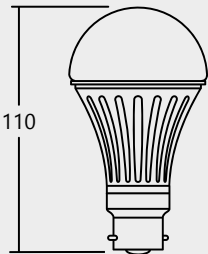


Our GLS LED Lamps have a specially designed GLS shaped Die-Cast Aluminium base with Glass Opal Cover.



RoHS

Upto 80% Saving



GLS 7W LED Lamps - Budget Range		Lumens	Colour	Type	Cap	Beam Angle	Voltage	Type
BGTBC7CW	6.8W LED Bulb Frosted Glass	400	Cool White	B22	BC	130°	AC220-240V	A60
BGTBC7WW	6.8W LED Bulb Frosted Glass	320	Warm White	B22	BC	130°	AC220-240V	A60
BGTES7CW	6.8W LED Bulb Frosted Glass	400	Cool White	E27	ES	130°	AC220-240V	A60
BGTES7WW	6.8W LED Bulb Frosted Glass	320	Warm White	E27	ES	130°	AC220-240V	A60

GLS 11W LED Lamps		Lumens	Colour	Type	Cap	Beam Angle	Voltage	Type
BC11CW	11W Non-Dimmable Frosted Glass	700	Cool White	B22	BC	130°	AC100-240V	A60
BC11WW	11W Non-Dimmable Frosted Glass	600	Warm White	B22	BC	130°	AC100-240V	A60
ES11CW	11W Non-Dimmable Frosted Glass	700	Cool White	E27	ES	130°	AC100-240V	A60
ES11WW	11W Non-Dimmable Frosted Glass	600	Warm White	E27	ES	130°	AC100-240V	A60

12W A60 (GLS) SMD High Performance Lamps		Lumens	Colour	Type	Cap	Beam Angle	Voltage	Type
BC12WW	12W SMD BC Lamp	1066	Warm White	B22	BC	130°	240V	A60
ES12WW	12W SMD ES Lamp	1066	Warm White	E27	ES	130°	240V	A60
BC12WW/DIM	12W SMD BC Lamp - Dimmable	1066	Warm White	B22	BC	130°	240V	A60
ES12WW/DIM	12W SMD ES Lamp - Dimmable	1066	Warm White	E27	ES	130°	240V	A60

Note. Dimming will only work with the load requirement of the dimmer.

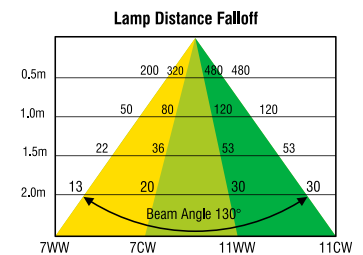


Model - BGTES7CW



Model ES12WW/DIM

Model - BGTBC7CW



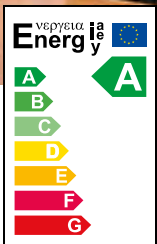
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LED Dimmable GLS & Candle Lamps

LED Candle Lamps

- Construction:- Ceramic Base - Clear Glass Cover
- Colour:- Warm White 3000k & 6400k Cool White
- Voltage:- AC 100-250V
- Angle:- 160° Degrees
- Suitable for general application
- Dimensions:-
LED Candle - 37x99mm
LED GLS - 60x103mm



3W LED Candle-SMD5050 Non-Dimmable		Grade	Lumens	Colour	Wattage	Beam Angle	Chip	Dimensions (mm)
C35BCWW	3.3W Opal B22 Candle Non-Dimmable Ceramic	A	370	Warm White	3.3	35°	SMD5050 EPISTAR	37x99
C35SESWW	3.3W Opal E14 Candle Non-Dimmable Ceramic	A	370	Warm White	3.3	35°	SMD5050 EPISTAR	37x99
C35SBCWW	3.3W Opal B15d Candle Non-Dimmable Ceramic	A	370	Warm White	3.3	35°	SMD5050 EPISTAR	37x99



9W - LED GLS SMD-5630 Fully Dimmable - 30,000 hours		Grade	Lumens	Colour	Wattage	Beam Angle	Chip	Dimensions (mm)
BC9CW/DIM	9W GLS B22 LED Dimmable with Diecast Body	A	320	Cool White	9	160°	SMD5630 EPISTAR	60x103
BC9WW/DIM	9W GLS B22 LED Dimmable with Diecast Body	A	300	Warm White	9	160°	SMD5630 EPISTAR	60x103
ES9CW/DIM	9W GLS E27 LED Dimmable with Diecast Body	A	320	Cool White	9	160°	SMD5630 EPISTAR	60x103
ES9WW/DIM	9W GLS E27 LED Dimmable with Diecast Body	A	300	Warm White	9	160°	SMD5630 EPISTAR	60x103



3W LED Candle-SMD5050 Fully Dimmable		Grade	Lumens	Colour	Wattage	Beam Angle	Chip	Dimensions (mm)
C35BCWW/DIM	3.3W Opal B22 Candle Dimmable Ceramic	A	220	Warm White	3.3	35°	SMD5050 EPISTAR	37x99
C35SESWW/DIM	3.3W Opal E14 Candle Dimmable Ceramic	A	220	Warm White	3.3	35°	SMD5050 EPISTAR	37x99
C35SBCWW/DIM	3.3W Opal B15d Candle Dimmable Ceramic	A	220	Warm White	3.3	35°	SMD5050 EPISTAR	37x99



Note. Lamp specifications may vary, please check when ordering.



LED Candle & PLT Lamps

LED Candle / Golf Ball Lamps

- Construction:- Ceramic Base - Clear Glass Cover
- Type:- 1 x 3W High Power LED (3.2W)
- Colour:- Warm White 3000k
- Lumens:- 110
- Voltage:- AC 100-250V
- Angle:- 160° Degrees
- Sparkling Lights - Suitable for Chandeliers
- Dimensions:-

LED Candle - 37.5x103mm

Golf Ball - 45x97.5mm



49



LED Candle for Chandelier		Lumens	Type	Cap	Voltage	Dimensions (mm)
C3SES	3.2W Ceramic Housing & Glass Covered Candle Lamp	110	SES	E14	A100-250V	37.5x103
C3BC	3.2W Ceramic Housing & Glass Covered Candle Lamp	110	BC	B22	A100-250V	37.5x103
C3SBC	3.2W Ceramic Housing & Glass Covered Candle Lamp	110	SBC	B15D	A100-250V	37.5x103

LED Golf Ball		Lumens	Type	Cap	Voltage	Dimensions (mm)
GB3SES	3.2W Ceramic Housing & Glass Covered Globe Lamp	110	SES	E14	A100-250V	45x97.5
GB3BC	3.2W Ceramic Housing & Glass Covered Globe Lamp	110	BC	B22	A100-250V	45x97.5
GB3SBC	3.2W Ceramic Housing & Glass Covered Globe Lamp	110	SBC	B15D	A100-250V	45x97.5










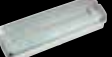
PAR38 R50 & R63 Lamps		Lumens	Type	Cap	Beam Angle	Colour	Voltage	Dimensions (mm)
PAR3812WH	12W LED Lamp	500	PAR38	E27	35°	Warm White	AC100-240V	121x130
R506WH	6W LED Lamp	220	R50	E14	120°	Warm White	AC220-240V	53x87
R638WH	7.5W Lamp	320	R63	E27	120°	Warm White	AC220-240V	63x110

PLL Lamps 55W		Type	Cap	Colour	Voltage	Dimensions Lgth (mm)
XLPLL55	55W Energy Saving 2G11 Lamp	PLL	2G11	4200k	240V	221

















PLT Lamps 26W & 42W		Type	Cap	Colour	Voltage	Dimensions Lgth (mm)
XLPLT26	PLT 26W 4 Pin GX24q-3 Lamp	PLT	GX24q-3	4200k	240V	116
XLPLT42	PLT 42W 4 Pin GX24q-3	PLT	GX24q-3	4200k	240V	131

Ceramic Metal Halide Lamp		Output Watts	Lumens	Dimensions (cm)
LCDMT35	35W - G12 CDMT Ceramic Metal Halide Lamp	35	3300	98x19
LCDMT70	70W - G12 CDMT Ceramic Metal Halide Lamp	70	6600	100x19

Emergency Fittings Accessories Comparison Chart

		Accessories				
		 E8DDIF	 E8DPNL	 RFE8WHI/CHR/BRS	 LEDEM3D/OPL	 LED10EM3D/OPL
Fittings	 E8NM3	✓	✓	✓	✗	✓
	 E8M3	✓	✓	✓	✗	✓
	 LEDEM3CLR	✗	✗	✗	✓	✗
	 LEDEM3OPL	✗	✗	✗	✓	✗
	 LED10EM3CLR/OP	✓	✓	✓	✗	✓

Lamps Comparison Chart Fire Rated & Non-Fire Rated Fittings




















		Fittings							
		 DFPD10	 DFPAD10	 FPD1065	 FPD10	 DFPD11	 MVD10	 DCD16	 DFPD1165
Lamps	 GU3CW	✓	✓	✓	✗	✓	✓	✓	✓
	 COBGU3.5CW	✓	✓	✓	✗	✓	✓	✓	✓
	 COBGU5CW	✓	✓	✓	✓	✓	✓	✓	✓
	 GU6CW	✓	✗	✗	✗	✗	✓	✓	✓
	 DCOBGU5CW	✓	✓	✓	✓	✓	✓	✓	✓
	 DCOBGU6CW/NS	✗	✗	✗	✗	✓	✓	✓	✓
	 DCOBGU9CW/NS	✗	✗	✗	✗	✓	✓	✓	✓
	 COBGU8CW	✓	✓	✓	✓	✓	✓	✓	✓

Note: All codes given (CW) are for Cool White (6400k) please add (WW) for (3000k) Warm White Colour. For White colour (3500k) please add (WHI). If Cool White (CW) GU10 lamp is suitable for the fitting then WW & WHI code will be suitable as well.

Building Regulations

Regulations, Symbols, Approvals, Zones & IP Rating

First code figure			Second code figure - Water protection									
			IP X0 No Protection	IP X1 Protection against vertically falling dripping water	IP X2 Protection against dripping water if housing is angled up to 15°	IP X3 Protection against spray water from all directions even if angled up to 60°	IP X4 Protection against splash water from all directions	IP X5 Protection against jet water from all directions	IP X6 Protection against heavy jet water from all directions	IP X7 Protection against temporary immersion in water	IP X8 Protection against effects on long-term immersion in water	
	Contact Protection	Foreign body protection										
IP 0X	No contact protection	No protection against solid foreign bodies	IP0									
IP 1X	Protection against large area contact (back of hand)	Protection against solid foreign bodies >50mm Ø	IP10	IP11	IP12							
IP 2X	Protection against contact with one finger	Protection against solid foreign bodies >12.5mm Ø	IP20	IP21	IP21	IP34						
IP 3X	Protection against contact with tools, wires etc. >2.5mm Ø	Protection against solid foreign bodies >2.5mm Ø	IP30	IP31	IP32	IP33	IP34					
IP 4X	Protection against contact with tools, wires etc. >1mm Ø	Protection against solid foreign bodies >1mm Ø	IP40	IP41	IP42	IP43	IP44					
IP 5X	Protection against contact with tools, wires etc. >1mm Ø	Protection against disruptive dust deposits in the inside	IP50				IP54	IP55				
IP 6X	Protection against contact with tools, wires etc. >1mm Ø	Protection of dust	IP60					IP65	IP66	IP67	IP68	

-  CE Mark is a statement by the manufacturer that the product complies with all relevant European directives and standards
-  **CB** Certification Bodies Safety Certificate - valid in 33 countries
-  Worldwide VDE Testing and Certification - Germany. Imposes additional standards to product testing
-  TUV Safety - Testing and Certification - Germany
-  TUV EMC - Testing and Certification - Germany
-  ENEC - Testing and Certification - in 18 European countries
-  Mains voltage 220-240v AC Equipment must be earth
-  Complies with class 3 - safety extra low voltage less than 50v AC
-  Equipment must be earthed
-  Double Insulated construction -: does not require an earth
-  IP44 Protected against splashing water
-  IP65 Protected against low pressure jets of water
-  IP68 protected against submersion in water
-  F Suitable for direct mounting on non-combustible surfaces only
-  Equipment suitable for direct mounting on or in cabinets or furniture
-  Equipment for indoor use ONLY
-  Equipment for outdoor use
-  Cut Hole diameter minimum
-  Mounting distance/height

Abbreviations

10	=	GU10 LAMPHOLDER/LAMP
11	=	1X1W HIGH POWER LED LAMP
13	=	1X3W HIGH POWER LED LAMP
16	=	MR16 LAMPHOLDER/LAMP
30	=	PAR30 LAMP SIZE
31	=	3X1W HIGH POWER LED LAMP
33	=	3X3W HIGH POWER LED LAMP
38	=	PAR 38 LAMP SIZE
53	=	GX53 LAMPHOLDER/LAMP
AD	=	ADJUSTABLE
ANG	=	ANGLE
BF	=	BATTEN FITTING
BH	=	BULKHEAD
BLK	=	BLACK
BRS	=	BRASS
C2	=	CONNECTOR RGB
CFL	=	COMPACT FLUORESCENT LAMPS
CHR/CH	=	CHROME
CI	=	CONNECTOR SINGLE COLOUR
CIR	=	CIRCULAR
CRY	=	CRYSTAL
CW	=	COOL WHITE
DC	=	DIE CAST
DEC	=	DECK LIGHT
DL	=	DOWNLIGHTER
DOL	=	DRIVER OVER LIGHT
DR	=	DRIVER
EM3	=	3 HOUR EMERGENCY
FH	=	FIRE HOOD
FL	=	FLOODLIGHT
FP	=	FLAME PROOF
FS	=	FLEXIBLE STRIP
FX	=	FLEXIBLE
GM	=	GIMBLE
HF	=	HIGH FREQUENCY
HL	=	HALF LANTERN
IGL	=	IN GROUND LIGHTING
LE	=	LIVE END
LED	=	LIGHT EMITTED DEVICE
LL	=	LINK LITE
LVD	=	LOW VOLTAGE DOWNLIGHTER
M	=	MAINTAINED
MBI/MH	=	METAL HALIDE
MDL	=	MINI DOWNLIGHTER
MF	=	MODULAR FITTING
MVD	=	MAINS VOLTAGE DOWNLIGHTER
NM	=	NON MAINTAINED
PC	=	PHOTOCELL/POLYCARBONATE
PIR	=	PASSIVE INFRA RED
PL	=	PICTURE LIGHT
PNL	=	PANEL LIGHT
PS	=	POWER SUPPLY
PT	=	POST TOP
RGB	=	RED/GREEN/BLUE
RND	=	ROUND
SC	=	SATIN CHROME/SINGLE COLOUR
SF	=	SURFACE FITTING
SL	=	SHAVER LIGHT
SPK	=	SPIKE
SPT	=	SPOT
SQ	=	SQUARE
SS	=	STAINLESS STEEL
UP	=	UP&DOWN
WHI/WH	=	WHITE
WL	=	WALL LIGHT
WOL	=	WALKOVER LIGHT
WP	=	WALL PACK
WW	=	WARM WHITE

LIGHTING FOR BATHROOMS

With the introduction of the 17th Edition Wiring Regulations the IEE have redefined the zones for the installation of electrical equipment in bathrooms. The new regulations came in to effect from 30th of June 2008.

The zones are now identified from 0 to 2 and apply to the different areas of the bathroom as per the diagram below.



Zone 0

The inside of the bath or shower. Fittings must be max. 12v and have a minimum of IPX7 rating.

Zone 1

The area directly above zone 0, limited to 2.25m vertically above the bottom of the shower. (Or the height of a fixed shower head if higher than that).

Also it extends to 1.2m horizontally from the centre of the shower outlet up to the height stated above. Fittings must be IPX4 or higher.

Zone 2

This includes any area beyond zone 0 and 1 up to 2.25m vertically or 0.6m horizontally. Also includes any recessed window with a sill next to the bath. IP rating of fittings must be IPX4 minimum.

Making the case for LED solutions...

LED technology has come a long way in the past 10 years and has now come of age, with the life of the current generation of LED lamps being up to 50,000 hours. This represents 6 years of continuous operational use, or 12 years at 50% operation. The long operational life of an LED lamp is a stark contrast to the average life of an incandescent bulb, which is approximately 2,000 hours.

There is no comparison between the cost of LED lamps versus traditional incandescent options. The true cost of incandescent bulbs is the cost of replacement and the labour expense in time needed to replace them.

These are significant factors, especially where there are large numbers of installed bulbs. For offices and business complexes, maintenance costs can be enormous. These issues can all be virtually eliminated with the deployment of the LED option.



Key Strengths;

- Expert Technical Advice
- £500k Stock Held Locally
- 8000 Product Lines
- Quality Branded Products
- Nextday Delivery Nationwide
- Product Demonstration Showroom
- Lamp & Control Gear Disposal
- Onsite Lighting Surveys
- Supply & Install Service

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Surrey
CR0 4TQ

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facsimile. 0208 664 8686
website. www.edmundson-electrical.co.uk
email. sales@sld-lighting.co.uk



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