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LED Lighting Products

Industrial | Commercial | Domestic

Power  **LED**

PRODUCT SECTIONS

LED LIGHT BARS

CONNECT - LED Light Bars
RIGID - Rigid PCB LED Strip

LED FLEXI STRIPS

ECO - Ultra Low Power Consumption LED Flexi Strip
NEPTUNE - IP67 Rated LED Flexi Strip
CHROMA CC - Constant Current LED Flexi Strip
LUCENT - Low & High Power LED Flexi Strip
CHROMATIC - Professional LED Flexi Strip
EDGE - Side Lit LED Flexi Strip

LED LIGHT BULBS

T8 TUBE - T8 Style LED Bulb

LED POWER & CONTROL

LED POWER - Constant Current, Constant Voltage, Dimmable LED Drivers
LED DIMMING - DALI, DMX, 1-10V, PUSH & Constant Voltage Dimmers

INDOOR LED LIGHTING

COMMERCE - Recessed LED Ceiling Lights
LUMO - LED Light Tile

COMMERCIAL LED LIGHTING

AERO - Vapour Proof LED Lights
PARK - Covered Car Park LED Lights
ARGES - Aisle & Circular Highbay LED Lights
GENESIS - Highbay LED Lights
HIGHBAY - Surface & Recess Highbay Lights

OUTDOOR LED LIGHTING

FLEX - LED Floodlights
PATHFINDER - High Lumen LED Street Lights
STREET - High Lumen LED Street Lights

CONNECT

LED LIGHT BARS



Product Features

- Slim line bar suitable for cabinet lighting, up lighting, accent lighting etc.
- Easy installation, multiple configurations
- Simple and safe low voltage on/off control
- Reverse polarity protected
- Simple link up capability, allowing up to 4 metres of lighting from 1 driver
- Rugged Aluminium extrusion with easy fit mounting points
- Suitable for 12VDC or 24VDC applications
- Suitable for vehicle applications
- Constant power technology, ensures balanced light output across each fitting

CONNECT



CONNECT LED Light Bar

Model	• CON210	• CON210W	• CON310	• CON310W	• CON510	• CON510W
Lumen Output (lm)	280	225	420	350	620	520
Input Voltage	12/24VDC	12/24VDC	12/24VDC	12/24VDC	12/24VDC	12/24VDC
Current (mA)	250/125	250/125	400/200	400/200	700/350	700/350
Power (W)	3W	3W	4.8W	4.8W	8.4W	8.4W
Power Consumption (W)	3.2W	3.2W	5W	5W	9W	9W
LED Type	3528	3528	3528	3528	3528	3528
LED Qty	30	30	48	48	84	84
Dimensions (mm)	223.6 x 30 x 12.3	223.6 x 30 x 12.3	323.6 x 30 x 12.3	323.6 x 30 x 12.3	523.6 x 30 x 12.3	523.6 x 30 x 12.3
Light Length (mm)	200	200	300	300	500	500
Weights (g)	62	62	94	94	155	155
Angle (°)	120	120	120	120	120	120
IP	IP44	IP44	IP44	IP44	IP44	IP44
CCT (K)	6000-6500K (Cool White)	2700-2900K (Warm White)	6000-6500K (Cool White)	2700-2900K (Warm White)	6000-6500K (Cool White)	2700-2900K (Warm White)

CONNECT Connections

Model	• F90	• F180	• S180	• PS1	• SW1
Style	Corner	Straight	Cable	Cable	Switch
Max Current	3A	3A	3A	3A	3A
Dimensions (mm)	-	-	80	200	-
Weights (g)	17	6	7	-	-
Angle (°)	90	-	Flexible	Flexible	-

All connector dimensions are 3.5 x 1.35

LED Drivers

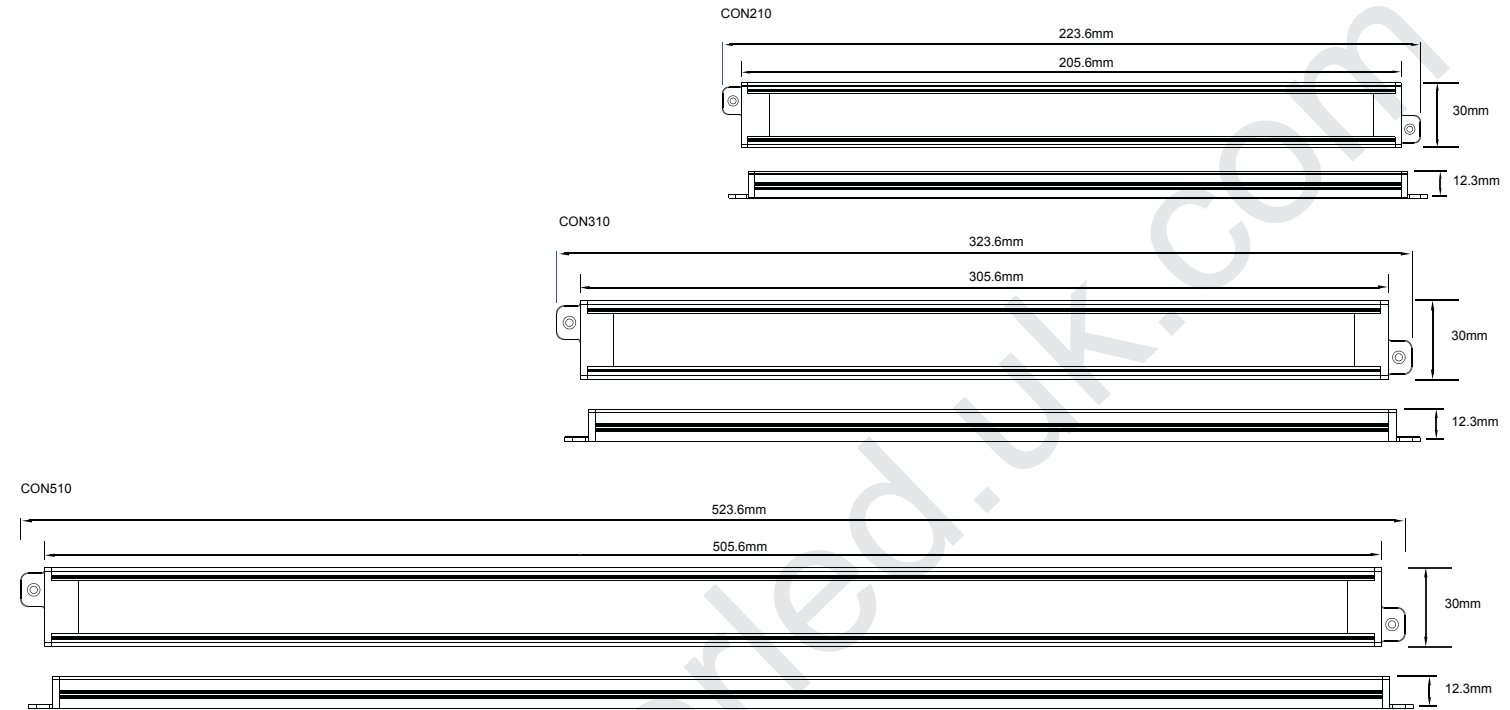
Model	• PSU001	• PSU002	• PSU003	• PSU004
Metres Powered	1.2mtr	2.1mtr	3mtr	4mtr

Maximum single run 4 metres; when using standard PS1 input cable and F180 connections

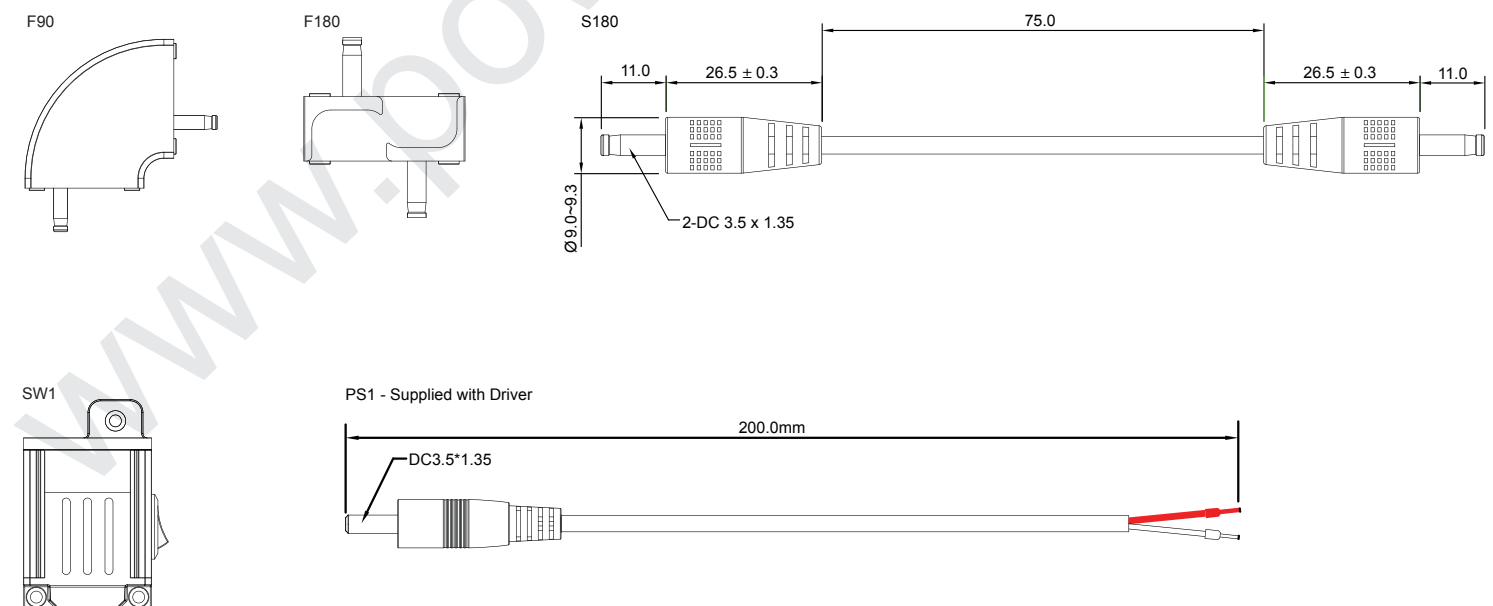
PowerLED drivers and connect connections must be used to provide power for the connect series of LED light bars, warranty will be void if alternative drivers or connections are used.



CONNECT Mechanical Diagrams



CONNECT Connector Diagrams



CONNECT

LED LIGHT BARS

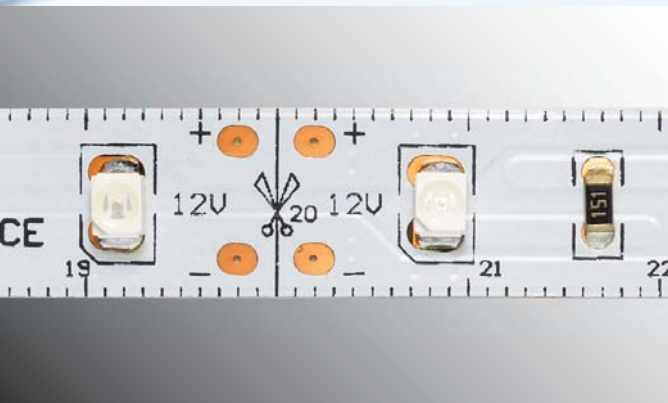


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ECO



LED FLEXI STRIP

Product Features

- Ultra low power consumption
- Easy installation and flexibility
- Excellent heat management
- Epistar LEDs
- 30,000 hours working life
- Precise LED binning section enables 100% consistent colour temperature from batch to batch
- Multiple applications for commercial and residential environments
- 3M adhesive back



Cool White



Warm White



Low Power Economical LED Flexistrip Series

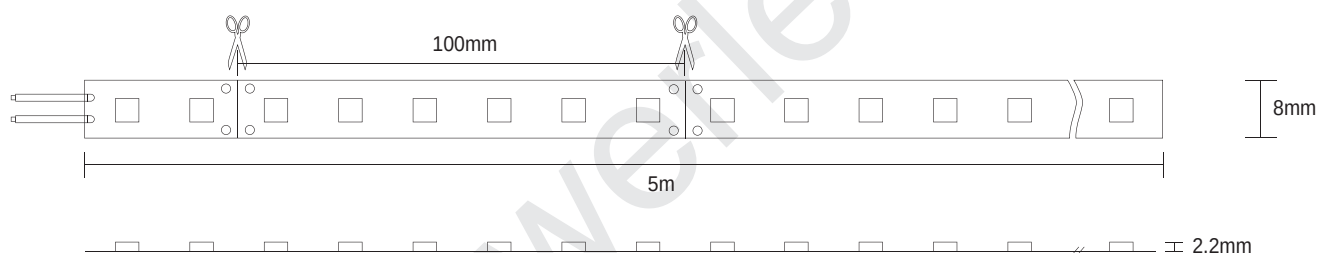
Model	• F8-C3528-12-30-IP20	• F8-W3528-12-30-IP20
Colour	☐ Cool White	☐ Warm White
CCT (K)	5700-6300K	2700-3300K
CCT (K) Nominal	6000K	3000K
LED's per metre	30	30
Power per metre	2.4W	2.4W
Available IP Ratings	IP20	IP20
Input Voltage	12V	12V
Cuttable length	100mm	100mm
Length	5m	5m
Lumens	190lm	160lm
Angle (°)	120°	120°

The Eco range of LED flexistrips offer an ultra lower power unit with IP20 ratings, for reduced running costs.

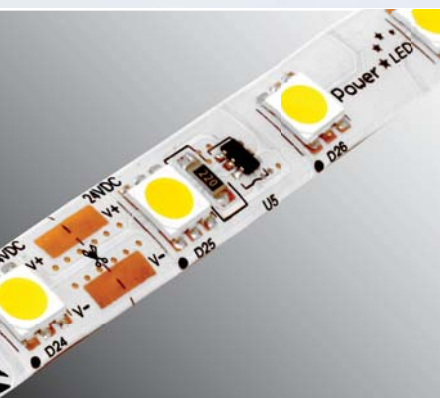
IP20 Rated - Protected from finger sized foreign objects.
No protection from water.

Dimensions L x W x H (mm): 5000 x 8 x 2.2

ECO Series Mechanical



Maximum length = 5m



Product Features

- High quality UV stable polyurethane coating enables non discolouration and is scratch resistant for longer life
- High quality Epistar LEDs
- Excellent heat management
- 50,000 hours working life
- Precise LED binning section enables 100% consistent colour temperature from batch to batch
- Easy installation and flexibility
- Multiple applications for commercial and residential environments
- High grade 3M VHB adhesive back
- T.C point for accurate thermal management



Cool White



Warm White



Red



Green



Blue



Low Power LED Flexistrip Series

Model	• F10-C3528-12-60	• F10-W3528-12-60
Colour	☐ Cool White	☐ Warm White
CCT (K)	6000K	3000K
LED's per metre	60	60
Power per metre	4.8W	4.8W
Available IP Ratings	IP20/65/67	IP20/65/67
Input Voltage	12V	12V
Cutable length	50mm	50mm
Length	5m	5m
Lumens	380lm	320lm
Angle (°)	120°	120°

High Power LED Flexistrip Series

Model	• F10-C5050-24-60	• F10-W5050-24-60
Colour	☐ Cool White	☐ Warm White
CCT (K)	6000K	3000K
LED's per metre	60	60
Power per metre	14.4W	14.4W
Available IP Ratings	IP20/65/67	IP20/65/67
Input Voltage	24V	24V
Cutable length	100mm	100mm
Length	5m	5m
Lumens	1200lm	1100lm
Angle (°)	120°	120°

Low power Colour LED Flexistrip Series

Model	• F10-R3528-12-60	• F10-G3528-12-60	• F10-B3528-12-60
Colour	☐ Red	☐ Green	☐ Blue
LED's per metre	60	60	60
Power per metre	4.8W	4.8W	4.8W
Available IP Ratings	IP20/65/67	IP20/65/67	IP20/65/67
Input Voltage	12V	12V	12V
Cutable length	50mm	50mm	50mm
Length	5m	5m	5m
Wave length	620nm	520nm	470nm
Lumens	90lm	180lm	60lm
Angle (°)	120°	120°	120°

Low/High power RGB LED Flexistrip Series

Model	• F10-RGB5050-12-30	• F10-RGB5050-24-60
Colour	☐ RGB	☐ RGB
LED's per metre	30	60
Power per metre	7.2W	14.4W
IP	IP65/67	IP65/67
Input Voltage	12V	24V
Cutable length	100mm	100mm
Length	5m	5m
Lumens	250lm	500lm
Angle (°)	120°	120°

The LED flexistrip series are available in a range of IP ratings to suit your application.

IP20 Rated - Protected from finger sized foreign objects.
No protection from water.

Dimensions L x W x H (mm): 5000 x 10 x 2.2

IP65 Rated - Limited ingress of dust, not in sufficient quantity to interfere with operation.
Not suitable for immersion or sitting in standing water
Protected from water projected from a nozzle against the enclosure from any direction.

Dimensions L x W x H (mm): 5000 x 10 x 3.5

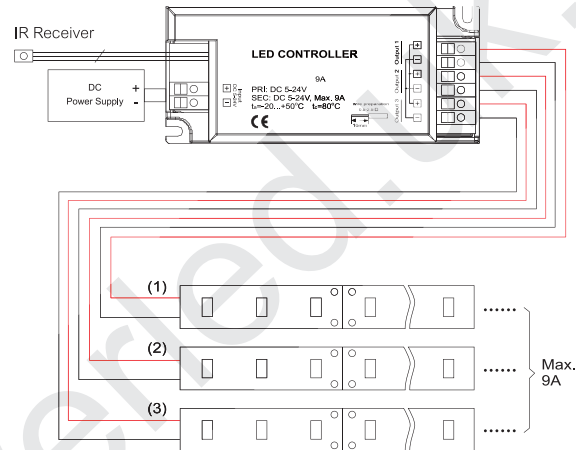
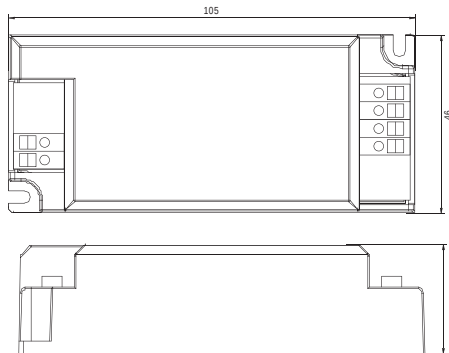
IP67 Rated - Limited ingress of dust, not in sufficient quantity to interfere with operation.
Protected against ingress of water when enclosure immersed in water, in defined conditions or pressure/time, down to 1 meter.

Dimensions L x W x H (mm): 5000 x 12 x 4

RGB/Single Colour Controller - RGB18

RGB18 is a 5-24V RGB/Single colour LED controller, with 3 x 3A output channels; designed to manage the colour changing of RGB tapes and includes an IR remote control. Connect between your LED driver and LED strip lights to control colour phasing, shades and brightness of RGB tape or to dim your single colour led tape. With independent control of RGB channels, adjustable 256 grey scale and built in mode functions the RGB controller allows for a smooth colour change, full colour control and adjustable brightness & speed. When used with single colour LED tape RGB18 provides a simple dimmer control. Offering easy installation via quick connect terminals the LED controller is suitable for domestic, commercial and retail internal lighting applications.

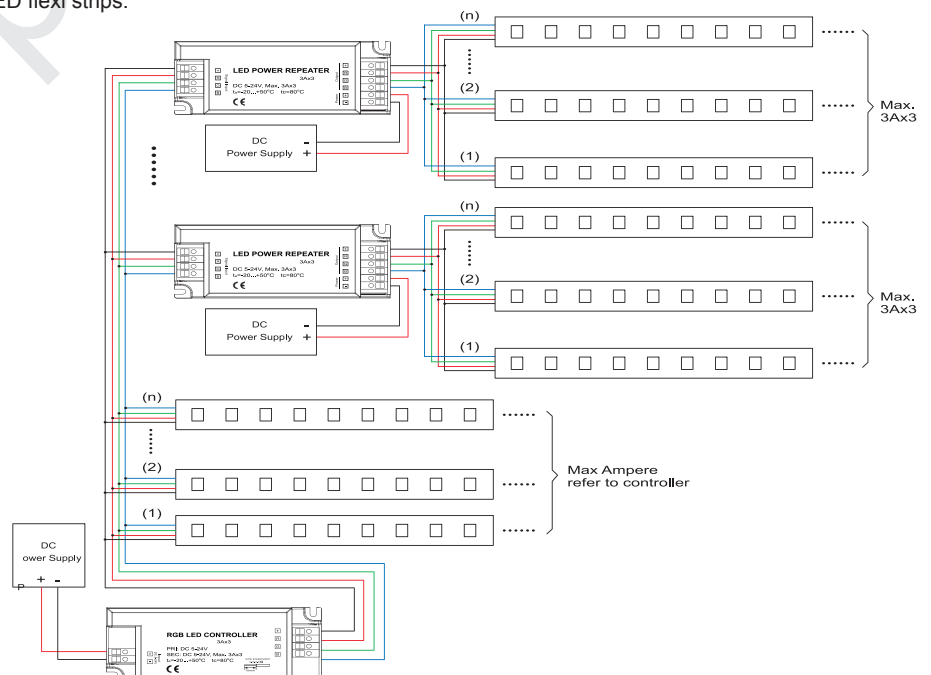
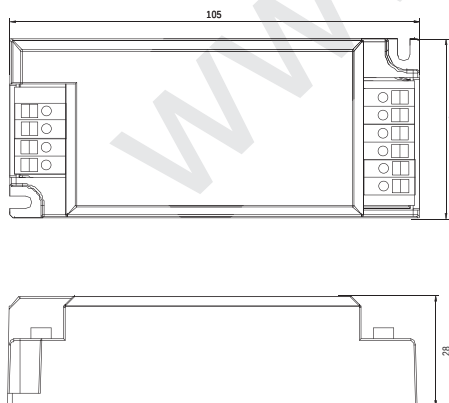
RGB18 Controller Mechanical



RGB/Single Colour Controller - RGB18

RGB-RP is a 5-24V RGB/single colour power repeater, with 3 x 3A output channels; designed to increase the quantity of RGB LED tapes that can be used in one application; when combined with the RGB18 the multiple connections will be controlled as one. Also suitable for connecting multiple strips of our low and high power white and single colour LED flexi strips.

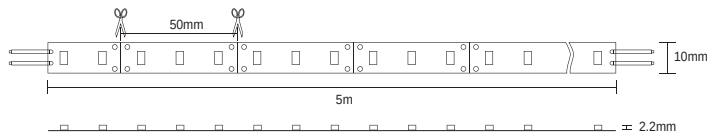
RGB-RP LED Repeater Mechanical



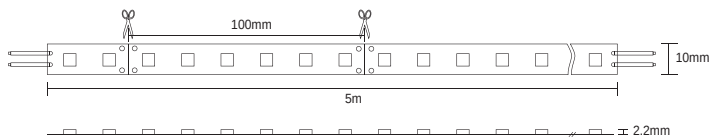


IP20 Rated LED Flexistrip

F10-xxxxx-12-60-IP20

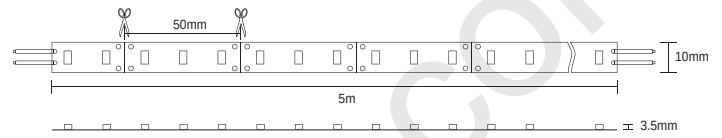


F10-xxxxx-24-60-IP20

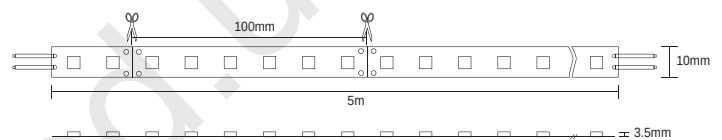


IP65 Rated/RGB LED Flexistrip

F10-xxxxx-12-60-IP65

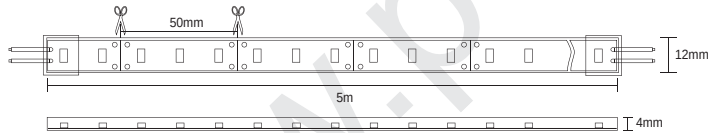


F10-xxxxx-24-60-IP65

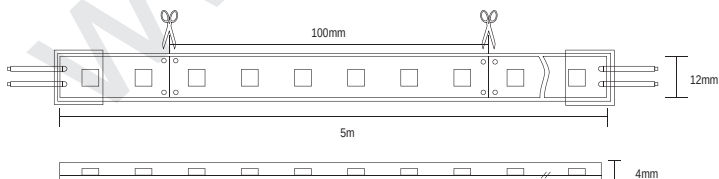


IP67 Rated/RGB LED Flexistrip

F10-xxxxx-12-60-IP67



F10-xxxxx-24-60-IP67





Product Features

- IP67 Rated Professional range of LED Flexistrips
- High quality UV stable resin enables non discolouration and longer life
- High quality Epistar LEDs
- Excellent heat management, with T.C point for accurate thermal management
- 50,000 hours working life
- Precise LED binning section enables 100% consistent colour temperature from batch to batch
- Easy installation and flexibility
- Suitable for harsh environmental applications and architectural lighting
- High grade 3M VHB adhesive back



Cool White



Warm White



Red



Green



Blue

NEPTUNE



Low Power IP67 Rated LED Flexistrip Series

Model	• F10-C3528-12-60-IP67	• F10-W3528-12-60-IP67
Colour	☐ Cool White	☐ Warm White
IP Rating	IP67	IP67
Power per metre	4.8W	4.8W
Input Voltage	12V	12V
LED's per metre	60	60
Cuttable length	50mm	50mm
Length	5m	5m
Lumens	380lm	320lm
CCT (K)	6000K	3000K
Angle (°)	120°	120°

High Power IP67 Rated LED Flexistrip Series

Model	• F10-C5050-24-60-IP67	• F10-W5050-24-60-IP67
Colour	☐ Cool White	☐ Warm White
IP Rating	IP67	IP67
Power per metre	14.4W	14.4W
Input Voltage	24V	24V
LED's per metre	60	60
Cuttable length	100mm	100mm
Length	5m	5m
Lumens	1200lm	1100lm
CCT (K)	6000K	3000K
Angle (°)	120°	120°

Low power Colour IP67 Rated LED Flexistrip Series

Model	• F10-R3528-12-60-IP67	• F10-G3528-12-60-IP67	• F10-B3528-12-60-IP67
Colour	☒ Red	☒ Green	☒ Blue
IP Rating	IP67	IP67	IP67
Power per metre	4.8W	4.8W	4.8W
Input Voltage	12V	12V	12V
LED's per metre	60	60	60
Cuttable length	50mm	50mm	50mm
Length	5m	5m	5m
Wave length	620nm	520nm	470nm
Lumens	90lm	180lm	60lm
Angle (°)	120°	120°	120°

Low/High power RGB IP67 Rated LED Flexistrip Series

Model	• F10-RGB5050-12-30	• F10-RGB5050-24-60
Colour	☒ RGB	☒ RGB
IP Rating	IP67	IP67
Power per metre	7.2W	14.4W
Input Voltage	12V	24V
LED's per metre	30	60
Cuttable length	100mm	100mm
Length	5m	5m
Lumens	250lm	500lm
Angle (°)	120°	120°

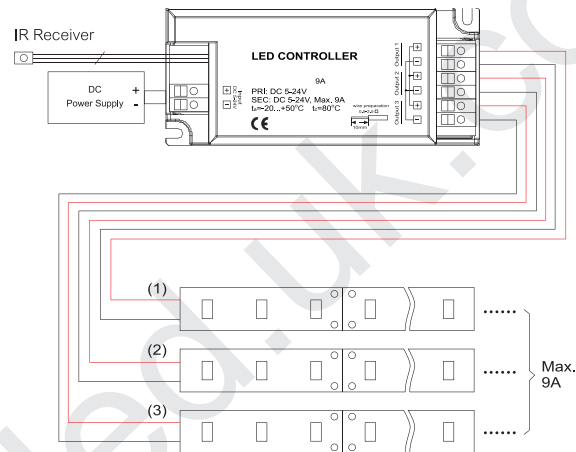
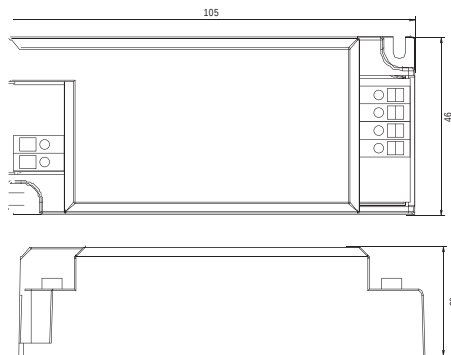
The IP67 Rated range of LED flexistrip is protected to the following;

IP67 rated - Limited ingress of dust, not in sufficient quantity to interfere with operation.
Protected against ingress of water when enclosure immersed in water, in defined conditions or pressure and time, down to 1 meter.
Dimensions L x W x H (mm): 5000 x 12 x 4

RGB/Single Colour Controller - RGB18

RGB18 is a 5-24V RGB/Single colour LED controller, with 3 x 3A output channels; designed to manage the colour changing of RGB tapes and includes an IR remote control. Connect between your LED driver and LED strip lights to control colour phasing, shades and brightness of RGB tape or to dim your single colour led tape. With independent control of RGB channels, adjustable 256 grey scale and built in mode functions the RGB controller allows for a smooth colour change, full colour control and adjustable brightness & speed. When used with single colour LED tape RGB18 provides a simple dimmer control. Offering easy installation via quick connect terminals the LED controller is suitable for domestic, commercial and retail internal lighting applications.

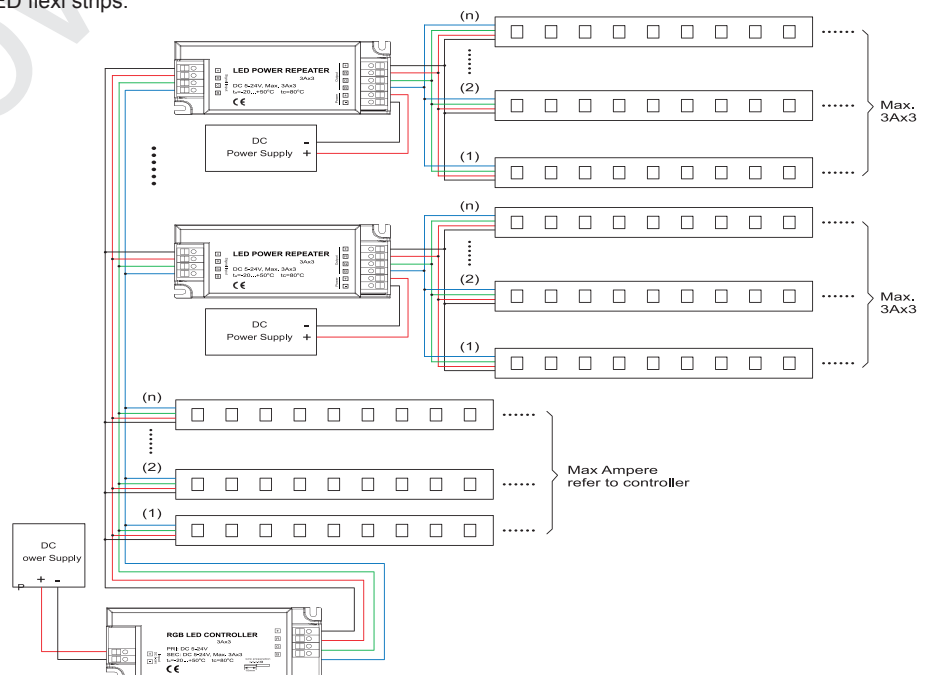
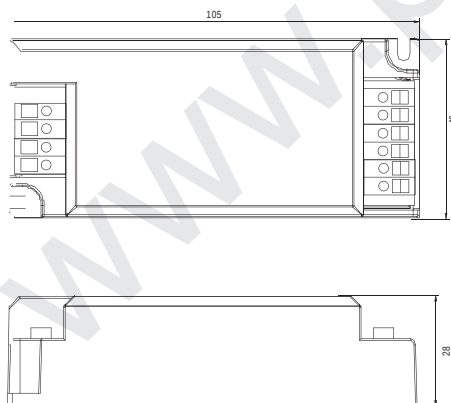
RGB18 Controller Mechanical



RGB/Single Colour Controller - RGB18

RGB-RP is a 5-24V RGB/single colour power repeater, with 3 x 3A output channels; designed to increase the quantity of RGB LED tapes that can be used in one application; when combined with the RGB18 the multiple connections will be controlled as one. Also suitable for connecting multiple strips of our low and high power white and single colour LED flexi strips.

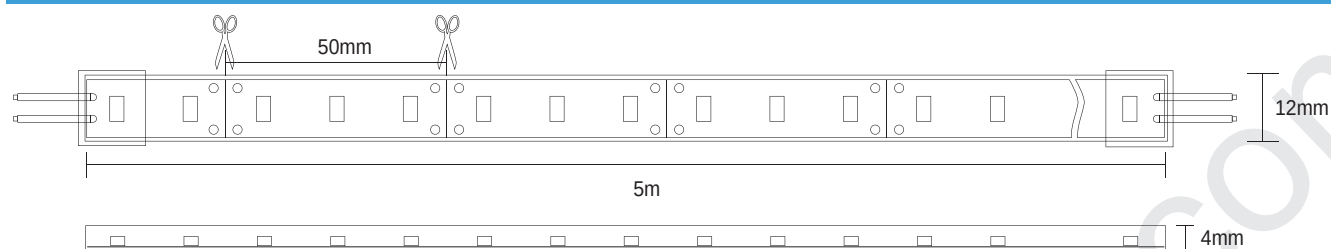
RGB-RP LED Repeater Mechanical



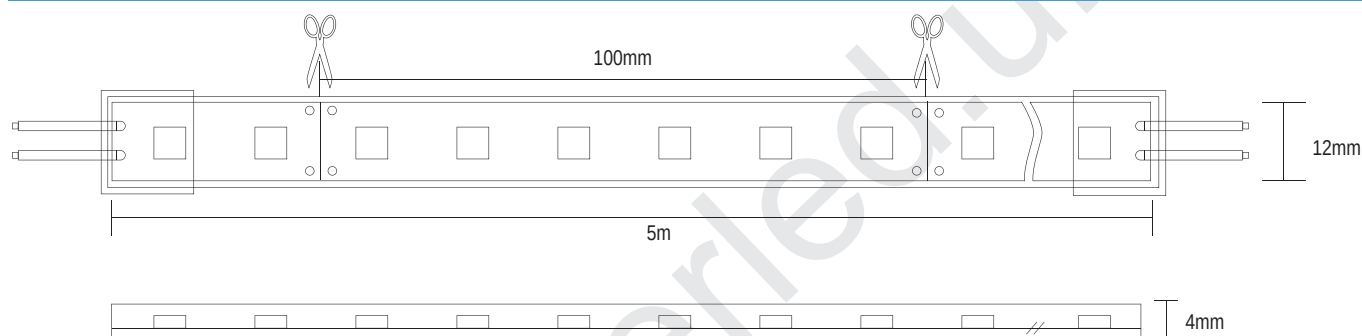
NEPTUNE



Low Power IP67 Rated LED Flexistrip

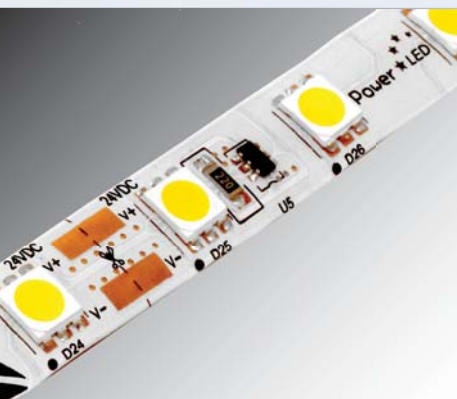


High Power IP67 Rated LED Flexistrip



CHROMATIC

LED FLEXI STRIP



Product Features

- A range of professional white LED flexistrips
- Offering 42 or 72 LED's per metre
- High quality Epistar LEDs
- 50,000 hours working life
- Precise LED binning section enables 100% consistent colour temperature from batch to batch
- Easy installation and flexibility
- Multiple applications for commercial and residential environments
- High grade 3M VHB adhesive back
- T.C point for accurate thermal management

CHROMATIC



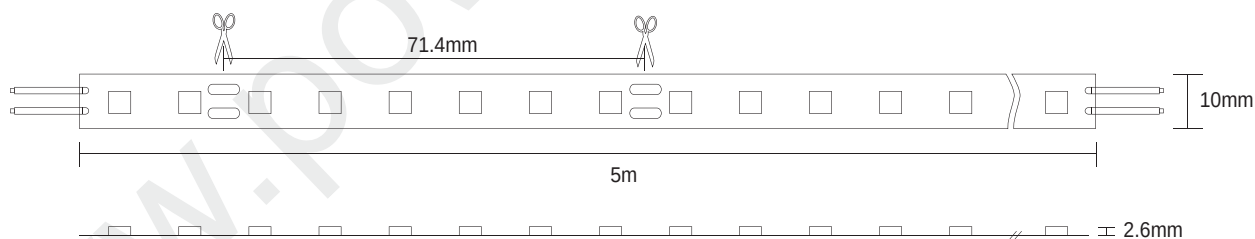
Low Power LED Flexistrips - 42 LED's per metre

Model	• PF10-C3528-12-42	• PF10-N3528-12-42	• PF10-W3528-12-42	• PF10-S3528-12-42
Colour	Cool	Neutral	Warm	Soft
CCT (K)	6300K	4500K	3300K	2600K
LED's per metre	42	42	42	42
Cuttable length	71.4mm	71.4mm	71.4mm	71.4mm
Lumens	254lm	262lm	253lm	246lm
Available IP Ratings	IP20	IP20	IP20	IP20
LED Pitch	23.8mm	23.8mm	23.8mm	23.8mm
Power per metre	3.36W	3.36W	3.36W	3.36W
Input Voltage	12V	12V	12V	12V

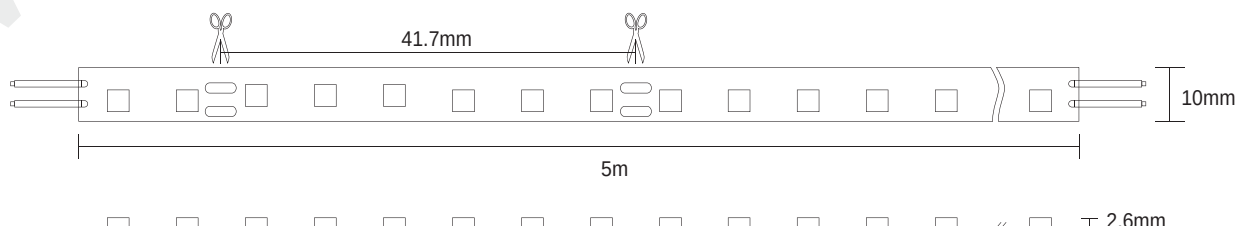
Low Power LED Flexistrip - 72 LED's per metre

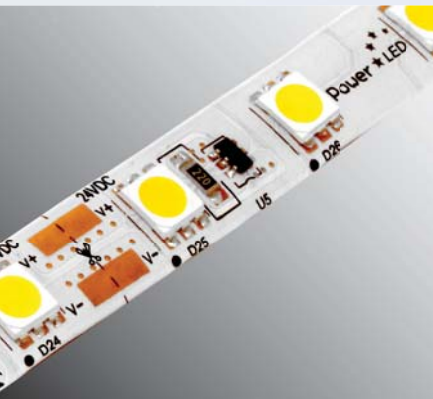
Model	• PF10-C3528-12-72	• PF10-N3528-12-72	• PF10-W3528-12-72	• PF10-S3528-12-72
Colour	Cool	Neutral	Warm	Soft
CCT (K)	6300K	4500K	3300K	2600K
LED's per metre	72	72	72	72
Cuttable length	41.7mm	41.7mm	41.7mm	41.7mm
Lumens	424lm	436lm	421lm	410lm
Available IP Ratings	IP20	IP20	IP20	IP20
LED Pitch	13.9mm	13.9mm	13.9mm	13.9mm
Power per metre	5.8W	5.8W	5.8W	5.8W
Input Voltage	12V	12V	12V	12V

Low Power LED Flexistrip - 42 LED's per metre



Low Power LED Flexistrip - 72 LED's per metre





Product Features

- Constant current operation ensuring optimum performance of LED's
- High quality UV stable resin enables non discolouration and longer life
- High quality Epistar LEDs
- 50,000 hours working life
- Precise LED binning section enables 100% consistent colour temperature from batch to batch
- Easy installation and flexibility
- Multiple applications for industrial, commercial and residential environments
- High grade 3M VHB adhesive back
- T.C point for accurate thermal management



Cool White



Warm White



Red



Green



Blue

CHROMA CC

Constant current operation is the preferred method for running LED's, this ensures there is no voltage drop across length and therefore allows the colour temperature to remain constant throughout. This type of operation guarantees the maximum life and reliable performance of LED's.

Low Power Constant Current LED Flexistrip Series

Model	• F10-C3528-12-60-CC	• F10-W3528-12-60-CC
Colour	☐ Cool White	☐ Warm White
CCT (K)	6000K	3000K
LED's per metre	60	60
Available IP Ratings	IP20/65/67	IP20/65/67
Cuttable length	50mm	50mm
Lumens	380lm	320lm
Angle (°)	120°	120°
Power per metre	4.8W	4.8W
Input Voltage	12V	12V
Length	5m	5m

High Power Constant Current LED Flexistrip Series

Model	• F10-C5050-24-60-CC	• F10-W5050-24-60-CC
Colour	☐ Cool White	☐ Warm White
CCT (K)	6000K	3000K
LED's per metre	60	60
Available IP Ratings	IP20/65/67	IP20/65/67
Cuttable length	100mm	100mm
Lumens	1200lm	1100lm
Angle (°)	120°	120°
Power per metre	14.4W	14.4W
Input Voltage	24V	24V
Length	5m	5m

Low power Colour Constant Current LED Flexistrip Series

Model	• F10-R3528-12-60-CC	• F10-G3528-12-60-CC	• F10-B3528-12-60-CC
Colour	☒ Red	☒ Green	☒ Blue
LED's per metre	60	60	60
Available IP Ratings	IP20/65/67	IP20/65/67	IP20/65/67
Cuttable length	50mm	50mm	50mm
Lumens	90lm	180lm	60lm
Angle (°)	120°	120°	120°
Power per metre	4.8W	4.8W	4.8W
Input Voltage	12V	12V	12V
Length	5m	5m	5m
Wave length	620nm	520nm	470nm

The Constant Current LED flexistrip series are available in a range of IP ratings to suit your application;

IP20 rated - Protected from finger sized foreign objects.

No protection from water.

Dimensions L x W x H (mm): 5000 x 10 x 2.2

IP65 rated - Limited ingress of dust, not in sufficient quantity to interfere with operation.

Not designed for immersion or sitting in standing water

Protected from water projected from a nozzle against the enclosure from any direction.

Dimensions L x W x H (mm): 5000 x 10 x 3.5

IP67 rated - Limited ingress of dust, not in sufficient quantity to interfere with operation.

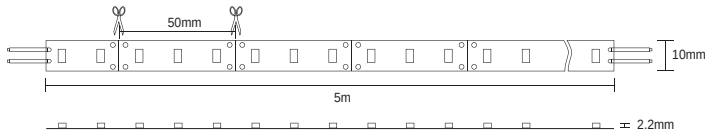
Protected against ingress of water when enclosure immersed in water, in defined conditions or pressure and time, down to 1 meter.

Dimensions L x W x H (mm): 5000 x 12 x 4

CHROMA CC

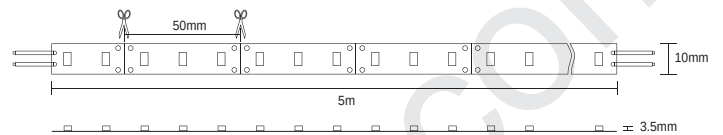
IP20 Rated Constant Current LED Flexistrip

F10-xxxxx-12-60-IP20-CC

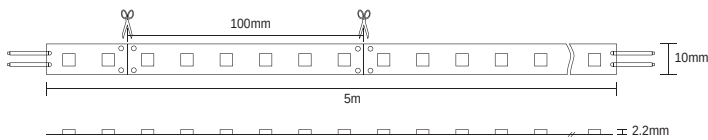


IP65 Rated Constant Current LED Flexistrip

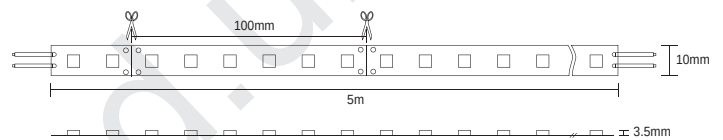
F10-xxxxx-12-60-IP65-CC



F10-xxxxx-24-60-IP20-CC

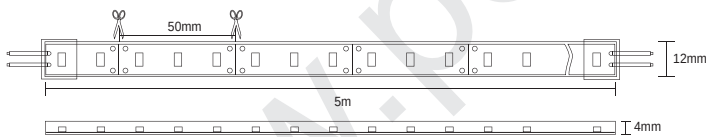


F10-xxxxx-24-60-IP65-CC

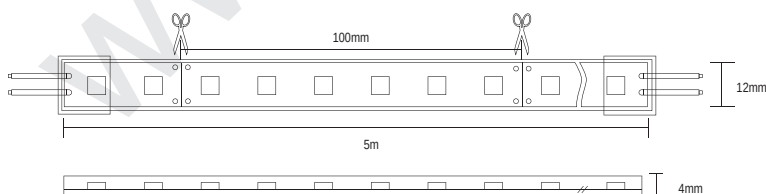


IP67 Rated Constant Current LED Flexistrip

F10-xxxxx-12-60-IP67-CC



F10-xxxxx-24-60-IP67-CC



CHROMA CC



LED FLEXI STRIP



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sales@powerled.uk.com

EDGE



LED FLEXI STRIP

Product Features

- A range of side lit LED flexistrip
- High quality Epistar LEDs
- 50,000 hours working life
- Precise LED binning section enables 100% consistent colour temperature from batch to batch
- Easy installation and flexibility
- Multiple applications for commercial and residential environments
- High grade 3M VHB adhesive back
- T.C point for accurate thermal management



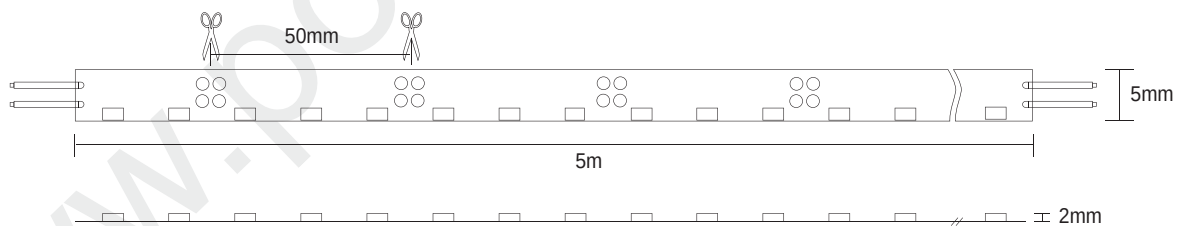
Side Lit 5mm Low Power LED Flexistrip Series

Model	• FS5-S1210-12-60	• FS5-W1210-12-60	• FS5-C1210-12-60
Colour	Soft White	Warm White	Cool White
CCT (K)	2600K	3000K	6000K
LED's per metre	60	60	60
Dimensions L x W x H mm	5000 x 5 x 2	5000 x 5 x 2	5000 x 5 x 2
Cuttable length	50mm	50mm	50mm
Lumens	246lm	340lm	340lm
Available IP Ratings	IP20	IP20	IP20
LED Pitch	19mm	19mm	19mm
Power per metre	4.8W	4.8W	4.8W
Input Voltage	12V	12V	12V

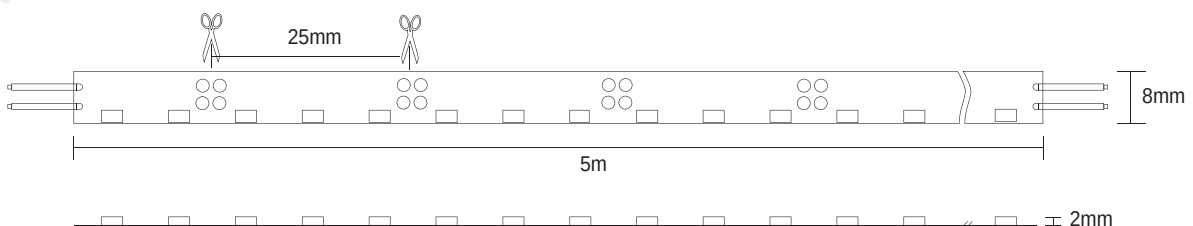
Side Lit 8mm Low Power LED Flexistrip Series

Model	• FS8-S1210-12-120	• FS8-W1210-12-120	• FS8-C1210-12-120
Colour	Soft White	Warm White	Cool White
CCT (K)	2600K	3000K	6000K
LED's per metre	120	120	120
Dimensions L x W x H	5000 x 8 x 2	5000 x 8 x 2	5000 x 8 x 2
Cuttable length	25mm	25mm	25mm
Lumens	500lm	680lm	680lm
Available IP Ratings	IP20	IP20	IP20
LED Pitch	9mm	9mm	9mm
Power per metre	9.6W	9.6W	9.6W
Input Voltage	12V	12V	12V

5mm Side Lit Low Power LED Flexistrip



8mm Side Lit Low Power LED Flexistrip



RIGID

LED LIGHT BARS



Product Features

- Compact strip with Nationstar LED Technology
- Energy saving and high efficiency rigid LED strip
- Available in cool white, warm white and RGB
- 42 LEDs per 500mm
- Cutable every 71.4mm
- 50K hours working life
- 110° beam angle
- Suitable for domestic, commercial and retail internal lighting applications



Cool White



Warm White



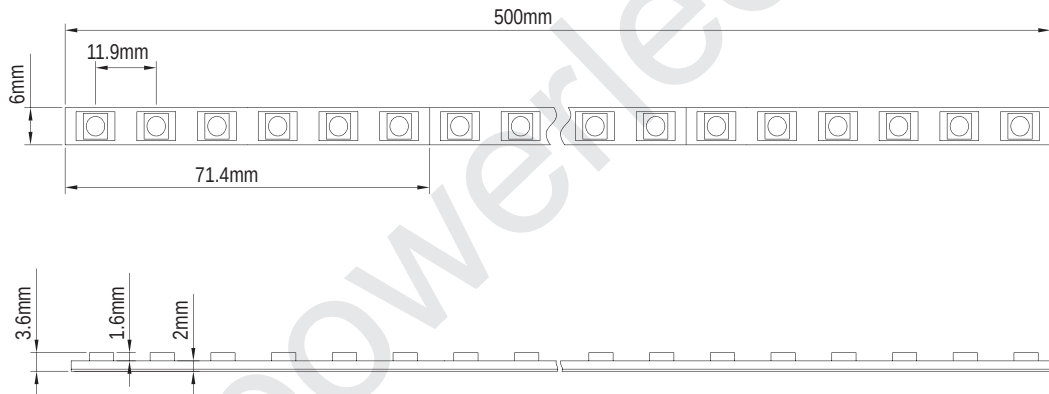
RGB



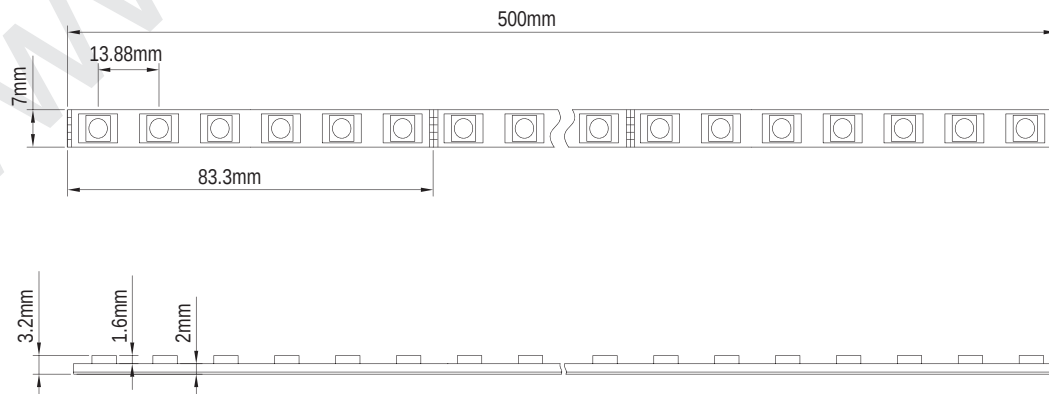
High Power IP20 Rated Rigid LED Strip

Model	• R6-W5050-24-42-IP20	• R6-C5050-24-42-IP20	• R7-RGB5050-24-36-IP20
Colour	 Warm White	 Cool White	 RGB
CCT (K)	3000K	6000K	-
LED's per 500mm	42	42	36
Power per metre	20.16W	20.16W	20.16W
Available IP Ratings	IP20	IP20	IP20
Input Voltage	24V	24V	24V
Cuttable length	71.4mm	71.4mm	83.3mm
Luminous Flux	60lm	60lm	60lm
Angle (°)	110°	110°	110°
Lm/per 500mm	648	648	648
Weight	20g	20g	20g
Dimensions (L x W x H mm)	500 x 6 x 3.2	500 x 6 x 3.2	500 x 7 x 4

Cool White/Warm White Rigid LED Strip



RGB Rigid LED Strip



T8 TUBE



LED BULBS

Product Features

- A comprehensive range of Energy saving T8 tubes in lengths of 2,3,4,and 5 ft.
- Excellent colour rendering, high output and extended life
- Extra low power consumption with a class A energy efficiency rating
- Superior consistent light output for entire lifetime of product
- Long life and low maintenance LED
- Available with opaque or clear lens
- IP43 Rated
- Suitable for commercial and residential lighting applications

T8 TUBE



IP43 Rated T8 LED Tube Light

Model	• T8-60-X/Y	• T8-90-X/Y	• T8-120-X/Y	• T8-150-X/Y
Nominal Length	600mm	900mm	1200mm	1500mm
Imperial Equivalent	2ft x 28Ø	3 ft x 28Ø	4ft x 28Ø	5ft x 28.5Ø
CRI	>70	>70	>63	>72
Luminous Flux (lm)	700	1356	1800	2000
Beam Angle	120°	120°	120°	120°
LED Type	SMD 3528	SMD 3528	SMD 3528	SMD 3528
Power	9W	16W	18W	24W
Input Voltage	85-240V	85-240V	85-240V	85-240V
Efficiency	>80%	>80%	>80%	>80%
Operating Temperature	+30°C~45°C	+30°C~45°C	+30°C~45°C	+30°C~45°C
Weight	200g	250g	300g	440g

T8 Series Suffix Reference Table

Suffix	Code	Item
X	C	Clear Lens
	O	Opaque Lens
Y	W	Warm White (3000K)
	N	Neutral White (4000K)
	B	Cool White (6000K)

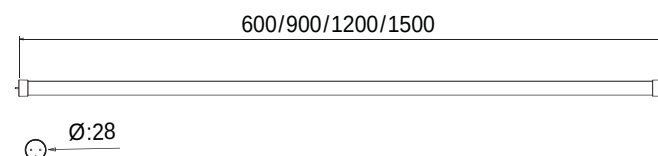
The T8 LED tube series are available in a IP43 rating to suit your application.

IP43 Rated - Protected from granular foreign objects.
Protected against water falling as a spray, from any angle up to 60° from the vertical.

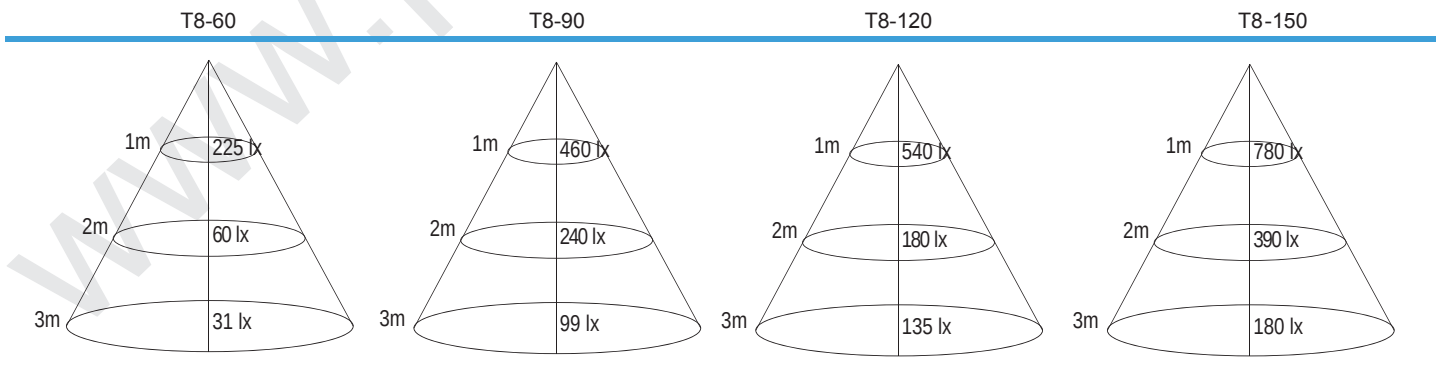
Luminance Distribution

Part Number	1m	2m	3m
T8-60-X/Y	≥225Lux	≥60Lux	≥31Lux
T8-90-X/Y	≥460Lux	≥240Lux	≥99Lux
T8-120-X/Y	≥540Lux	≥180Lux	≥135Lux
T8-150-X/Y	≥780Lux	≥390Lux	≥180Lux

T8 Series Mechanical



Luminance Distribution





Product Features

- Constant Current & Constant Voltage options
- Choice of IP Rating for indoor, outdoor and harsh environment applications
- Built in 1-10Vdc, PWM signal, resistive, triac & DALI dimming options available
- EN61347-1, EN61347-2-13, EN55015, EN61000-3-2, EN61000-3-3, EN61547, UL8750
- Captive terminal screw or cable connections
- Cooling by free air convection
- Long life and high reliability



PCV Series



PCV IP Series



PCC Series



PCC TD Series



CV & DALI Series



PEC-V04-PD Series



MWH-V12-BP Series

LED POWER



NOTES

Lined area for notes, featuring horizontal ruling lines and a large diagonal watermark reading "www.powerled.uk.com".

LED POWER - CONSTANT VOLTAGE

PCV12 Series - 12W LED Drivers

Model	• PCV1212	• PCV2412
Input Voltage	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.8	0.8
Power	12W	12W
Voltage	12V	24V
Current Range	0-1.0A	0-0.5A
Efficiency	80%	82%
Dimensions (LxWxDmm)	98 x 39 x 22 (Case: 8045FC)	
Connections	Screw terminal on I/P & O/P	
Weight (g)	60	60

PCV12 Series - 20W LED Drivers

• PCV1220	• PCV2420
220-240VAC	220-240VAC
47/63Hz	47/63Hz
0.8	0.8
20W	20W
12V	24V
0-1.7A	0-0.83A
82%	84%
113 x 44 x 28 (Case: 8046GP)	
Screw terminal on I/P & O/P	
100	100

PCV36 Series - 36W LED Drivers

Model	• PCV1236	• PCV2436
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	36W	36W
Voltage	12V	24V
Current Range	0-3A	0-1.5A
Efficiency	82%	84%
Dimensions (LxWxDmm)	166 x 52 x 24 (Case: 8046GX)	
Connections	Screw terminal on I/P & O/P	
Weight (g)	130	130

PCV50 Series - 50W LED Drivers

• PCV1250	• PCV2450
100-240VAC	100-240VAC
47/63Hz	47/63Hz
0.95	0.95
50W	50W
12V	24V
0-4.2A	0-2A
82%	84%
184 x 61 x 32 (Case: 8043DH)	
Screw terminal on I/P & O/P	
300	300

PCV60 Series - 60W LED Drivers

Model	• PCV1260	• PCV2460
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	60W	60W
Voltage	12V	24V
Current Range	0-5A	0-2.5A
Efficiency	87%	87%
Dimensions (LxWxDmm)	158 x 61 x 36 (Case: 8030AA)	
Connections	Screw terminal on I/P & O/P	
Weight (g)	400	400

PCV75 Series - 75W LED Drivers

• PCV2475
100-240VAC
47/63Hz
0.95
75W
24V
0-3.15A
85%
184 x 61 x 32 (Case: 8043DH)
Screw terminal on I/P & O/P
300

PCV100 Series - 100W LED Drivers

Model	• PCV12100	• PCV24100
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	100W	100W
Voltage	12V	24V
Current Range	0-8.33A	0-4.16A
Efficiency	87%	87%
Dimensions (LxWxDmm)	158 x 61 x 36 (Case: 8030AA)	
Connections	Screw terminal on I/P & O/P	
Weight (g)	400	400

PCV150 Series - 150W LED Drivers

• PCV12150	• PCV24150
100-240VAC	100-240VAC
47/63Hz	47/63Hz
0.95	0.95
150W	150W
12V	24V
0-12.5A	0-6.25A
87%	87%
166 x 70 x 38.5 (Case: 8036GM)	
Screw terminal on I/P & O/P	
400	400



Constant Voltage Operation



Constant Current Operation



IP6X Rated for harsh environments



Dimming Capabilities

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LED POWER - C.V. IP65 RATED

PCV36E Series - 36W IP65 LED Drivers

Model	• PCV1236E	• PCV2436E
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	36W	36W
Voltage	12V	24V
Current Range	0-3A	0-1.5A
Efficiency	82%	84%
Dimensions (LxWxDmm)	185 x 55 x 30 (Case: 8042CL)	
Input Connections	300mm UL SVT 3C 18AWG	
Output Connections	300mm UL SVT 2C 18AWG	
Weight (g)	85	85

PCV75E Series - 75W IP65 LED Drivers

Model	• PCV1275E	• PCV2475E
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	75W	75W
Voltage	12V	24V
Current Range	0-6.25A	0-3.15A
Efficiency	85%	85%
Dimensions (LxWxDmm)	202 x 64 x 40 (Case: 8049KV)	
Input Connections	300mm UL SVT 3C 18AWG	
Output Connections	300mm UL SVT 2C 18AWG	
Weight (g)	750	750

PCV100E Series - 100W IP65 LED Drivers

Model	• PCV12100E	• PCV24100E
Input Voltage	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	100W	100W
Voltage	12V	24V
Current Range	0-8.4A	0-4.2A
Efficiency	90%	90%
Dimensions (LxWxDmm)	202 x 64 x 40 (Case: 8049KV)	
Input Connections	300mm UL SVT 3C 18AWG	
Output Connections	300mm UL SVT 2C 18AWG	
Weight (g)	780	780

PCV150E Series - 150W IP65 LED Drivers

Model	• PCV12150E	• PCV24150E
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	150W	150W
Voltage	12V	24V
Current Range	0-12.5A	0-6.3A
Efficiency	90%	90%
Dimensions (LxWxDmm)	223 x 70 x 40 (Case: 8049KF)	
Input Connections	300mm UL SVT 3C 18AWG	
Output Connections	300mm UL2517 2C 14AWG	
Weight (g)	1000	1000

PCV200E Series - 200W IP65 LED Drivers

Model	• PCV12200E	• PCV24200E
Input Voltage	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	200W	200W
Voltage	12V	24V
Current Range	0-16.8A	0-8.4A
Efficiency	92%	92%
Dimensions (LxWxDmm)	222 x 70 x 40 (Case: 8049KF)	
Input Connections	300mm UL SVT 3C 18AWG	
Output Connections	300mm UL2517 2C 14AWG	
Weight (g)	1000	1000

PCV240E Series - 240W IP65 LED Drivers

Model	• PCV12240E	• PCV24240E
Input Voltage	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	240W	240W
Voltage	12V	24V
Current Range	0-18A	0-10A
Efficiency	92%	92%
Dimensions (LxWxDmm)	244 x 70 x 40 (Case: 8049KP)	
Input Connections	300mm UL SVT 3C 18AWG	
Output Connections	300mm UL2517 2C 14AWG	
Weight (g)	1100	1100



Constant Voltage Operation



Constant Current Operation



IP6X Rated for harsh environments



Dimming Capabilities

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LED POWER - C.V. DIMMING

PEC-V04-PD Series - 40W IP67 LED Drivers

Model	• PEC-V04C-PD	• PEC-V04G-PD
Input Voltage	90-305VAC	90-305VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	40W	40W
Voltage	12V	24V
Current Range	0-3.34A	0-1.67A
Efficiency	84%	87%
Dimensions (LxWxDmm)	162.5 x 43.5 x 32 (Case: 8010AC)	
Input Connections	300mm SJTW 2C 18AWG	
Output Connections	300mm 2464 2C 18AWG & 22AWG	
Weight (g)	450	450

PEC-V06-PD Series - 60W IP67 LED Drivers

Model	• PEC-V06C-PD	• PEC-V06G-PD
Input Voltage	90-305VAC	90-305VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	60W	60W
Voltage	12V	24V
Current Range	0-5A	0-2.5A
Efficiency	86%	89%
Dimensions (LxWxDmm)	162.5 x 43.5 x 32 (Case: 8010AC)	
Input Connections	300mm SJTW 2C 18AWG	
Output Connections	300mm 2464 2C 18AWG & 22AWG	
Weight (g)	450	450

MWH-V12-BP Series - 120W IP67 LED Drivers

Model	• MWH-V12C-BP	• MWH-V12G-BP
Input Voltage	90-305VAC	90-305VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	120W	120W
Voltage	12V	24V
Current Range	0-10A	0-5A
Efficiency	92%	93%
Dimensions (LxWxDmm)	220 x 68 x 38.8 (Case: 8014EX)	
Input Connections	300mm SJTW 3C 18AWG	
Output Connections	300mm SJTW 2C 14AWG & 18AWG	
Weight (g)	1120	1120

MWH-V24-BP Series - 240W IP67 LED Drivers

Model	• MWH-V24C-BP	• MWH-V24G-BP
Input Voltage	90-305VAC	90-305VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.95	0.95
Power	240W	240W
Voltage	12V	24V
Current Range	0-16A	0-10A
Efficiency	90%	93%
Dimensions (LxWxDmm)	244.2 x 68 x 38.8 (Case: 8016GK)	
Input Connections	300mm SJTW 3C 18AWG	
Output Connections	300mm SJTW 2C 14AWG & 18AWG	
Weight (g)	1300	1300

LED Controller & Power Repeater

RGB18 - LED Controller & IR Remote Keypad

RGB18 is a 5-24V RGB/Single colour LED controller, with 3 x 3A output channels; designed to manage the colour changing of RGB tapes and includes an IR remote control. Connect between your led driver and led strip lights to control colour phasing, shades and brightness of RGB tape or to dim your single colour led tape. With independent control of RGB channels, adjustable 256 grey scale and built in mode functions the RGB controller allows for a smooth colour change, full colour control and adjustable brightness & speed. Offering easy installation via quick connect terminals the LED controller is suitable for domestic, commercial and retail internal lighting applications.

Model	• RGB18
Input Voltage	5-24VDC
Output Voltage	5-24VDC
Output Current	3A max/24V, per channel
Output Channels	3
Dimensions (LxWxDmm)	105 x 46 x 28 (Case: 8043DA)
Weight (g)	90

RGB-RP - LED Power Repeater

RGB-RP is a 5-24V RGB/single colour power repeater, with 3 x 3A output channels; designed to increase the quantity of colour changing RGB tapes that can be used in one application. When combined with the RGB18 multiple connections can be controlled using the repeater, it is also suitable for powering multiple strips of our low and high power white and single colour LED flexistrips.

Model	• RGB-RP
Input Voltage	5-24VDC
Output Voltage	5-24VDC
Output Current	3A max/24V, per channel
Output Channels	3
Dimensions (LxWxDmm)	105 x 46 x 28 (Case: 8043DA)
Weight (g)	66



Constant Voltage Operation



Constant Current Operation



IP6X Rated for harsh environments



Dimming Capabilities

LED POWER - CONSTANT CURRENT

PCC12 Series - 12W LED Drivers

Model	• PCC35012	• PCC50012	• PCC70012	• PCC105012
Input Voltage	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Factor	0.80	0.80	0.80	0.80
Power	12W	12W	12W	12W
Voltage Range	2-34V	2-24V	2-17V	2-6V
Current	350mA	500mA	700mA	1050mA
Efficiency	82%	80%	80%	78%
Dimensions (LxWxDmm)	98 x 39 x 22 (Case: 8045FC)			
Connections	Screw terminal on I/P & O/P			
Weight (g)	60			

PCC20 Series - 20W LED Drivers

Model	• PCC35020	• PCC50020	• PCC70020	• PCC105020
Input Voltage	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Factor	0.80	0.80	0.80	0.80
Power	20W	20W	20W	20W
Voltage Range	2-58V	2-40V	2-29V	2-19V
Current	350mA	500mA	700mA	1050mA
Efficiency	82%	84%	83%	82%
Dimensions (LxWxDmm)	113 x 44 x 28 (Case: 8046GP)			
Connections	Screw terminal on I/P & O/P			
Weight (g)	100			

PCC40 Series - 40W LED Drivers

Model	• PCC70040	• PCC105040	• PCC140040
Input Voltage	100-240VAC	100-240VAC	100-240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz
Power Factor	0.95	0.95	0.95
Power	40W	40W	40W
Voltage Range	2-57V	2-38V	2-28V
Current	700mA	1050mA	1400mA
Efficiency	87%	87%	87%
Dimensions (LxWxDmm)	166 x 52 x 24 (Case: 8046GX)		
Connections	Screw terminal on I/P & O/P		
Weight (g)	150		

PCC60 Series - 60W LED Drivers

• PCC105060	• PCC140060
100-240VAC	100-240VAC
47/63Hz	47/63Hz
0.95	0.95
60W	60W
35-57V	26-43V
1050mA	1400mA
85%	85%
184 x 61 x 32 (Case: 8043DH)	
Screw terminal on I/P & O/P	
300	

Constant Voltage Operation

Constant Current Operation

IP6X Rated for harsh environments

Dimming Capabilities

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Power  LED

LED POWER - C.C. DIMMING & DALI

PCC35009TD - 9W LED Drivers

Model	• PCC35009TD
Input Voltage	220-240VAC
Input Frequency	47/63Hz
Power Factor	0.95
Power	9W
Voltage Range	6-26V
Current	350mA
Efficiency	80%
Dimensions (LxWxDmm)	110 x 45 x 28 (Case: 8049KX)
Connections	Screw terminal on I/P & O/P
Weight (g)	70

PCC12-TD Series - 12W LED Drivers

Model	• PCC35012TD	• PCC50012TD	• PCC70012TD	• PCC105012TD
Input Voltage	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Factor	0.95	0.95	0.95	0.95
Power	12W	12W	12W	12W
Voltage Range	12-35V	8-24V	5-18V	3-12V
Current	350mA	500mA	700mA	1050mA
Efficiency	80%	80%	78%	76%
Dimensions (LxWxDmm)	98 x 39 x 22 (Case: 8045FC)			
Connections	Screw terminal on I/P & O/P			
Weight (g)	70			

PCC18-TD Series - 18W LED Drivers

Model	• PCC35018TD	• PCC50018TD	• PCC70018TD	• PCC105018TD
Input Voltage	220-240VAC	220-240VAC	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz	47/63Hz
Power Factor	0.95	0.95	0.95	0.95
Power	18W	18W	18W	18W
Voltage Range	15-52V	9-36V	6-26V	3-18V
Current	350mA	500mA	700mA	1050mA
Efficiency	82%	80%	78%	76%
Dimensions (LxWxDmm)	110 x 45 x 28 (Case: 8049KX)			
Connections	Screw terminal on I/P & O/P			
Weight (g)	150			

PCC36-TD Series - 36W LED Drivers

Model	• PCC50036TD	• PCC70036TD	• PCC105036TD
Input Voltage	220-240VAC	220-240VAC	220-240VAC
Input Frequency	47/63Hz	47/63Hz	47/63Hz
Power Factor	0.90	0.90	0.90
Power	30W	36W	36W
Voltage Range	30-56V	24-52V	16-35V
Current	500mA	700mA	1050mA
Efficiency	85%	85%	82%
Dimensions (LxWxDmm)	166 x 52 x 24 (Case: 8046GX)		
Connections	Screw terminal on I/P & O/P		
Weight (g)	100		

2 in 1 Dimming LED Drivers

Model	• CV40	• CV60
Dimming Function	0~10Vdc or 10V PWM signal	
Input Voltage	180-295VAC	180-295VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.98	0.98
Power	42W	60.3W
Voltage Range	2-100V	2-90V
Current	350-1050mA*	500-1400mA*
Efficiency	91%	92%
Dimensions (LxWxDmm)	123.5 x 81.5 x 23 (Case: 8018JN)	
Weight (g)	240	

DALI Dimming LED Drivers

Model	• DALI40	• DALI60
Dimming Function	DALI interface or push dimming	
Input Voltage	180-295VAC	180-295VAC
Input Frequency	47/63Hz	47/63Hz
Power Factor	0.98	0.98
Power	42W	60.3W
Voltage Range	2-100V	2-90V
Current	350-1050mA*	500-1400mA*
Efficiency	90.5%	91.5%
Dimensions (LxWxDmm)	123.5 x 81.5 x 23 (Case: 8018JN)	
Weight (g)	240	

* Selectable via dip switch



Constant Voltage Operation



Constant Current Operation



IP6X Rated for harsh environments



Dimming Capabilities

DALI is a trademark or registered trademark of ZVEI - Zentralverband Elektrotechnik- und Elektronikindustrie

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Power  **LED**

LED POWER

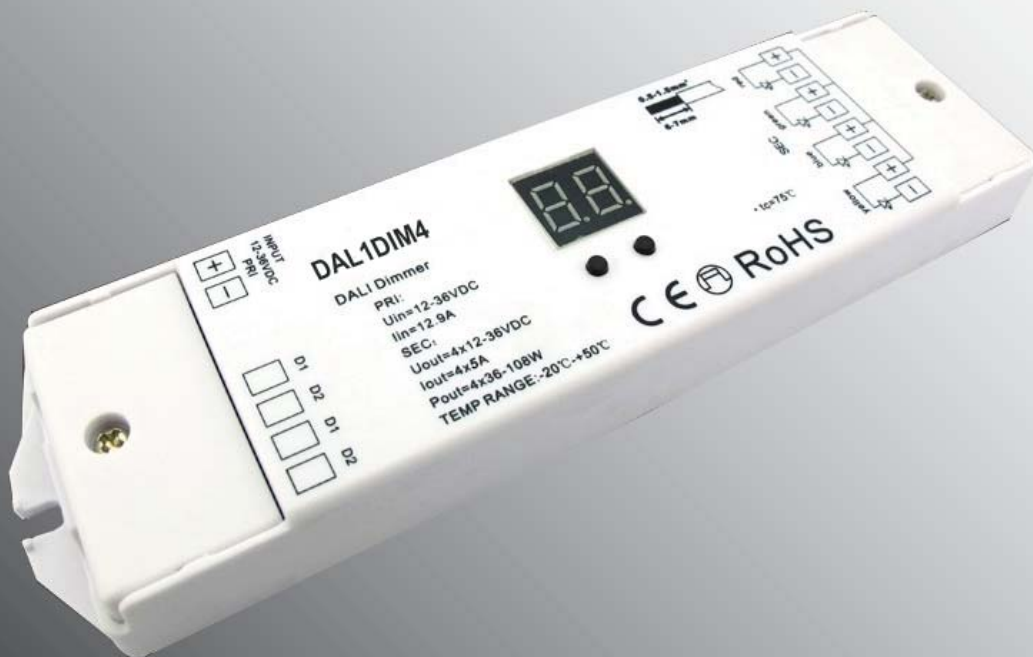
LED POWER & CONTROL



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Product Features

- A comprehensive range of dimmers suitable for indoor LED lighting
- Intelligent dimmers capable of RGB colour adjustment
- DALI, DMX, 1-10V, PUSH and Constant voltage dimmers available
- 0-100% dimming range via logarithmic characteristic, perfect for human vision
- 256 levels of grey scales with smooth dimming control
- Power repeater available for increased lengths of LED tape

DALI, DMX, PUSH & CV



DALI Series Dimmer

Model	• DAL1DIM1	• DAL1DIM4	• DAL1DIM1P
Input voltage	12-36VDC	12-36VDC	12-36VDC
Max load current	4x5A	4x5A	4x5A
Max output power	4x(60-180)W	4x(60-180)W	4x(60-180)W
Load type	Regular LED (0.04-0.1W)	Regular LED (0.04-0.1W)	Regular LED (0.04-0.1W)
Ta	-20~+50°C	-20~+50°C	-20~+50°C
Tc	+75°C	+75°C	+75°C
Remarks	1 DALI Address	4 DALI Address	1 DALI Address
Additional functions	-	-	Push Dimmer
Dimensions (L x W x H mm)	160 x 45 x 18	160 x 45 x 18	160 x 45 x 18

1-10V Series Dimmer

Model	• CVDIM1	• CVDIM4
Input voltage	12-36VDC	12-36VDC
Max load current	4x5A	4x5A
Max output power	4x(60-180)W	4x(60-180)W
Signal channel	1CH1-10V input/ 4CH PWM Output	4CH1-10V input/ 4CH PWM Output
Load type	Regular LED (0.04-0.1W)	Regular LED (0.04-0.1W)
Ta	-20~+50°C	-20~+50°C
Tc	+75°C	+75°C
Dimensions (L x W x H mm)	178 x 45 x 19	178 x 45 x 19

LED Power Repeater

Model	• PR1DIM
Input voltage	12-36VDC
Max load current	3/4x5A
Max output power	3/4x(60-180)W
Load type	Regular LED (0.04-0.1W)
Ta	-20~+50°C
Tc	+75°C
Remarks	PWM Control
Dimensions (L x W x H mm)	160 x 45 x 18

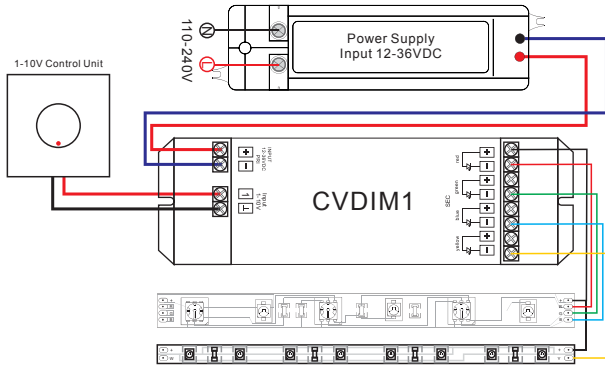
DMX Series Dimmer

Model	• DMXDIM
Input voltage	12-36VDC
Max load current	3/4/5x5A
Max output power	3/4/5x(60-180)W
Load type	Regular LED (0.04-0.1W)
Ta	-20~+50°C
Tc	+75°C
Remarks	Visible Address
Dimensions (L x W x H mm)	160 x 57 x 21

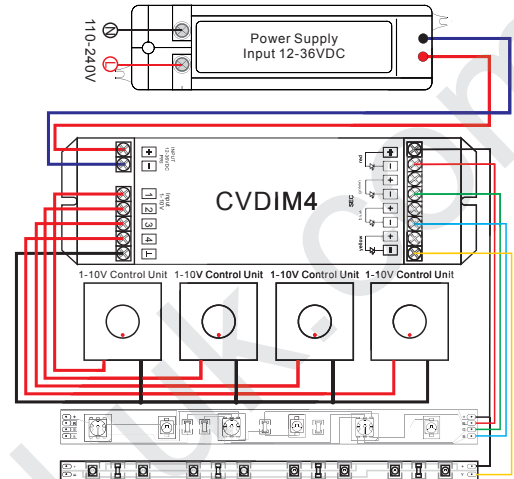
DALI, DMX, PUSH & CV



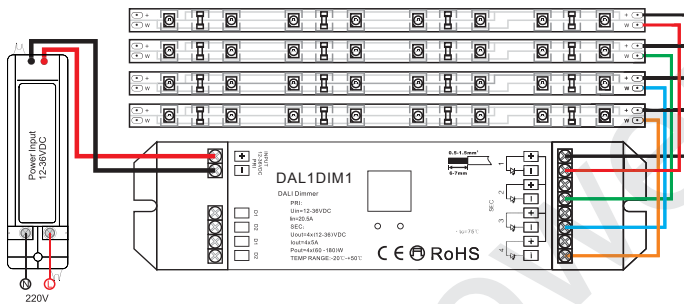
CV1DIM Mechanical



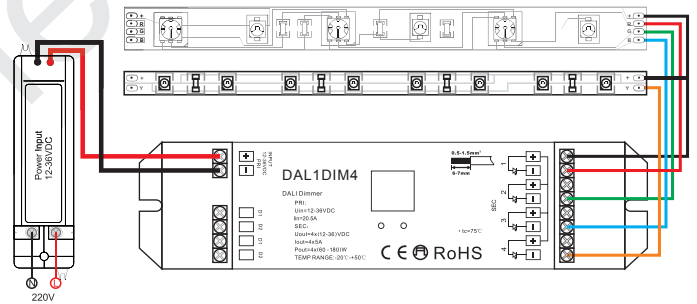
CVDIM4 Mechanical



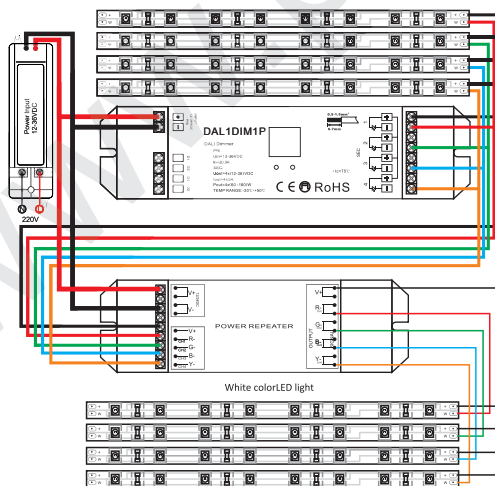
DAL1DIM1 Mechanical



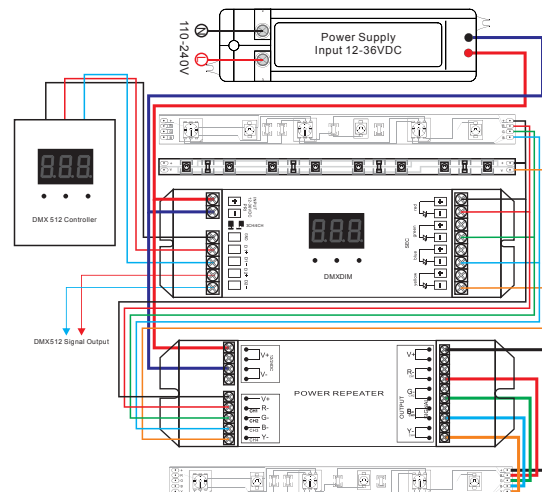
DAL1DIM4 Mechanical



DAL1DIM1P Mechanical



DAL1DMX and RP1DIM Mechanical



LED DIMMING

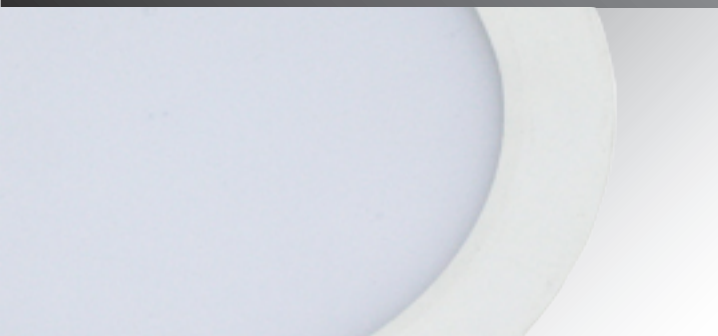
LED POWER & CONTROL



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Product Features

- Energy saving, low maintenance
- IP20 rated for internal use
- Bridgelux LED light source
- Single action spring installation
- Minimum of 50cm distance to illuminated object
- 4.0mm optical light lens and 2.0mm optical diffuser
- 80% cost saving and 22 times longer lifespan compared to incandescent bulbs
- 30,000 Hours working life
- Suitable for indoor commercial and residential lighting applications

COMMERCE



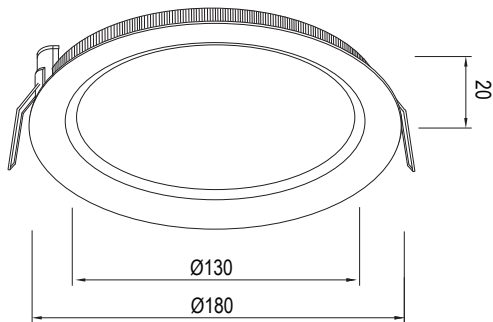
COMMERCE Recessed LED Downlight

Model	• COMMERCE9-CW	• COMMERCE9-WW	• COMMERCE15-CW	• COMMERCE15-WW
Colour	Cool White	Warm White	Cool White	Warm White
CCT (K)	6000K	3000K	6000K	3000K
Light Efficacy	47lm/W	47lm/W	53lm/W	53lm/W
Luminous Flux	422.7lm	422.7lm	662.3lm	662.3lm
CRI	70	70	70	70
LED Type	1 x 9W SMT LED	1 x 9W SMT LED	1 x 15W SMT LED	1 x 15W SMT LED
Beam Angle	Fixed 111°	Fixed 111°	Fixed 111°	Fixed 11
Cutout Diameter	Ø166mm	Ø166mm	Ø210mm	Ø210mm
Available IP Ratings	IP20	IP20	IP20	IP20
Power	9W	9W	15W	15W
Operating Temperature	0~+40°C	0~+40°C	0~+40°C	0~+40°C
Dimensions (Ø x Hmm)	Ø180 x 20	Ø180 x 20	Ø225 x 20	Ø225 x 20
Weight	420g	420g	750g	750g

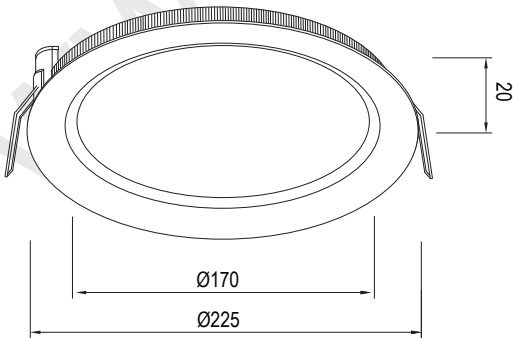
COMMERCE18 Recessed LED Downlight

Model	• COMMERCE18-CW	• COMMERCE18-WW
Colour	Cool White	Warm White
CCT (K)	6000K	3000K
Light Efficacy	34lm/W	34lm/W
Luminous Flux	612.5lm	612.5lm
CRI	70	70
LED Type	1 x 18W SMT LED	1 x 18W SMT LED
Beam Angle	Fixed 111°	Fixed 111°
Cutout Diameter	210 x 210mm	210 x 210mm
Available IP Ratings	IP20	IP20
Power	18W	18W
Operating Temperature	0~+40°C	0~+40°C
Dimensions (L x W x Hmm)	225 x 225 x 20	225 x 225 x 20
Weight	850g	850g

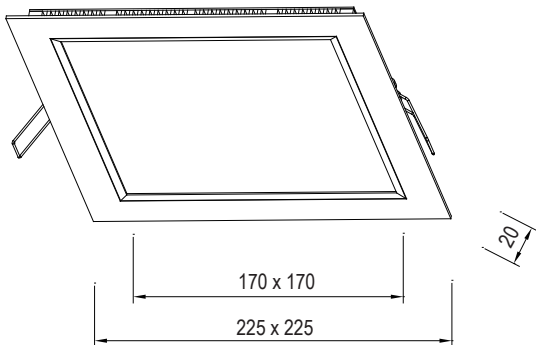
COMMERCE9 Mechanical



COMMERCE15 Mechanical



COMMERCE18 Mechanical



LUMO2

CARBON
TRUST

ECA Compliant*

LED LIGHT TILE



Product Features

- Designed in England
- Wide-angled light distribution design
- 10-100% corridor function
- Fitted with an optical diffuser plate reducing glare and achieving equal light
- High CRI (≥ 80) ensures greater colour definition
- High efficiency LED driver with stable output ensuring maximum product life
- World class EVERLIGHT array
- Supplied with a hanging bracket accessory to increase the possible application areas
- Upgradeable to non-maintained emergency light version, *Addition of EMPACK2T required
- Optional dimming versions available; 1~10V, DALI, Resistive, Triac or DMX
- UK Manufactured surface mounting bezel accessory compatible with the LUMO tile
- CE/RoHS Compliant
- Approved to EN61347-1-13 (Driver safety), EN62471, EN60598-2, EN6134-1-13, Meets EN61000-3-2
- Fire proof driver enclosure
- * Suitable for the (ECA) Enhanced Capital Allowance Scheme

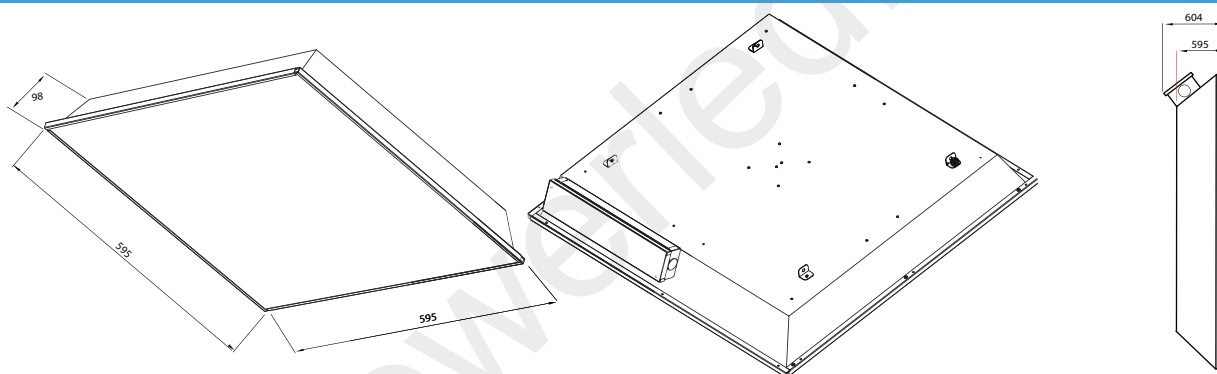
LUMO2



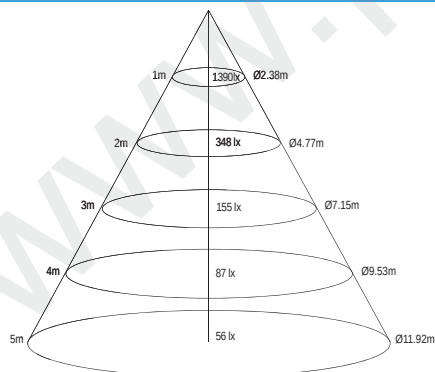
36W High Power Energy Saving LED Light Tile

Model	• LUMO2C	• LUMO2N
Luminous Flux	3150 (±10%)	3200 (±10%)
Colour Temperature	Cool White	Neutral White
CCT (K)	5000K	4000K
Efficacy	88lm/w	88lm/w
CRI	≥80	≥80
LED Power	36W	36W
Input Voltage	115~230VAC	115~230VAC
Input Frequency	47~63Hz	47~63Hz
Power Factor	0.9	0.9
Dimensions	L595 x W595 x H98mm	L595 x W595 x H98mm
Weight	4.3Kg	4.3Kg

LUMO LED Light Tile Mechanical



Luminance Distribution



Full IES data on the LUMO series is available upon request

LUMO Series Safety

The LUMO series complies with a wide variety of safety requirements including; EN61347-1, EN6134-1-13, EN60598-1, EN60598-2-2, EN62471. Confirmed to comply with the requirements set out by the Enhanced capital allowance scheme, for energy saving technologies and has been tested in accordance with BS EN13032-1:2004, IES LM-79-08 & DD IEC/PAS 62722-2-1:2011. For evaluation regarding the directive, the following specifications have been met:

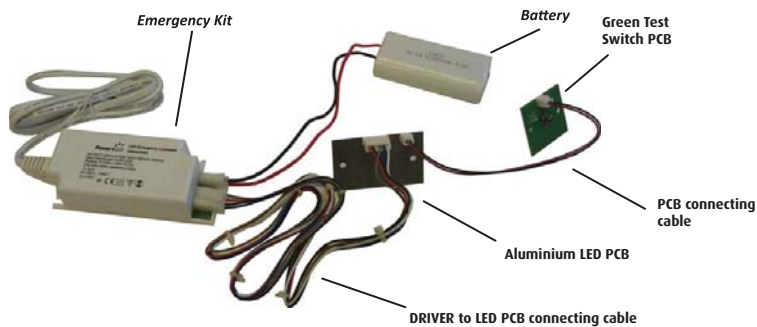
* The above LED lighting units use electronic control gear that comply with BS EN 61347-2-13:2006, for DC or AC supplied led modules / BS EN 62384:2006 (as amended), for DC or AC supplied LED modules.

* Lighting units installed indoors comply with the glare and angular exclusion zone recommendations in paragraph 94 of HSG 38 (1997), "Lighting at work!" (ISBN: 9780717612321).



LUMO Emergency Light Tile

EMPACK2T is a 2W constant current non-maintained LED emergency light system designed to be fitted with the LUMO2 series of LED light tiles. Capable of providing 3 hours of emergency lighting when fully charged. With charge status LED, test switch with self test function and intelligent automatic charging function the unit allows for a fit and forget application. Kit includes a power supply, battery pack, 3 x interconnecting cables, Green test switch PCB and LED lamp PCB.

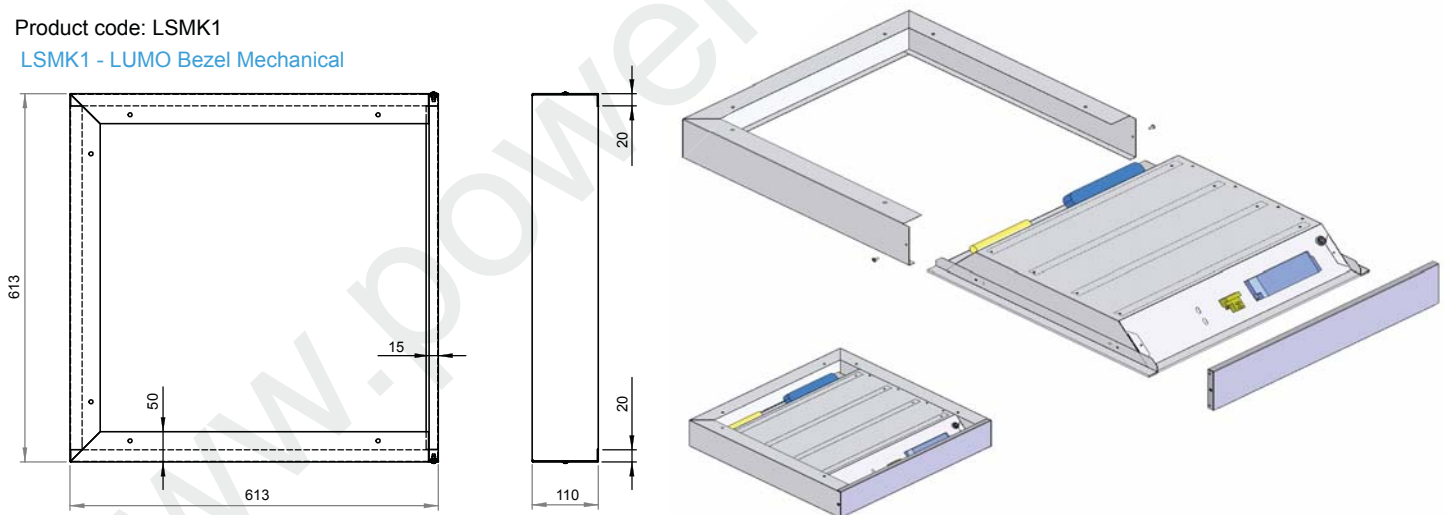


LUMO Surface Mounting Accessory

The LUMO Bezel is a metal encasement for the backlit LUMO tile allowing the LED tile to be installed in applications requiring surface mounting. This UK manufactured bezel is an affordable surface mount solution, available in any colour to suit any architectural requirement and is simple and quick to install.

Product code: LSMK1

LSMK1 - LUMO Bezel Mechanical



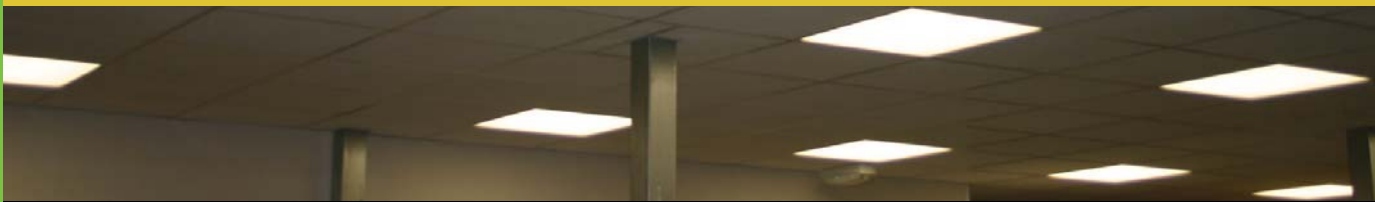
LUMO Dimming Versions Available

LUMO2 LED Tile is available for special order with various dimming drivers.

These include;

- * Triac dimming
- * DALI dimming
- * 3-in-1 dimming (0-10V, Resistive and PWM)
- * DMX

LUMO2



LED LIGHT TILE



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AERO

VAPOUR PROOF



Product Features

- Energy saving, low maintenance
- IP65 rated for internal use
- Flexible pendant, ceiling or wall mounting installation
- Samsung LED light source
- Functional design with visual texture
- Aluminium styled heatsink incorporated into the design for reliable thermal system
- 80% cost saving compared to incandescent bulbs
- 22 times longer life span than incandescent bulbs
- Suitable for internal lighting applications

AERO

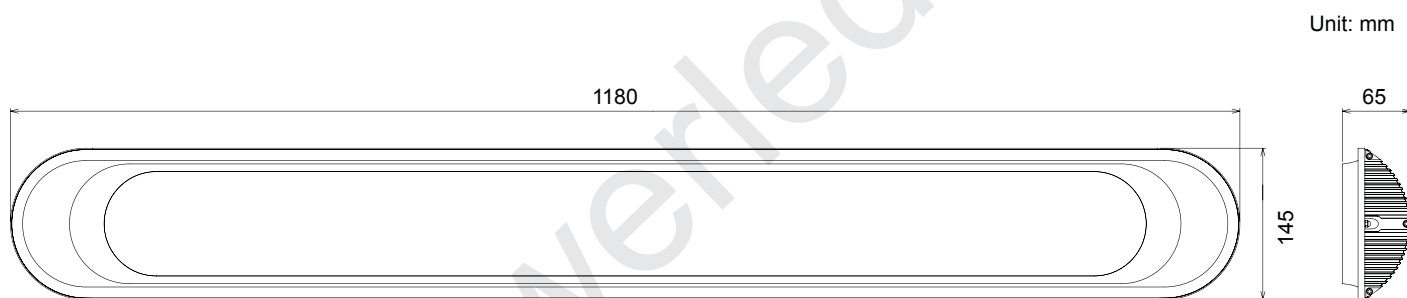
45W High Power Vapour Proof LED Light

Model	• AERO45C	• AERO45N
Colour	Cool White	Neutral White
CCT (K)	6000K	4500K
Light Efficacy	70lm/W	66lm/W
Luminous Flux	3160lm	2950lm
Available IP Ratings	IP65	IP65
LED Type	96 x LED	96 x LED
CRI	>75	>80
Beam Angle	120°	120°
Power	45W	45W
Operating Temperature	-20~+45°C	-20~+45°C
Dimensions (L x W x Hmm)	1180 x 145 x 65	1180 x 145 x 65
Weight	5Kg	5Kg

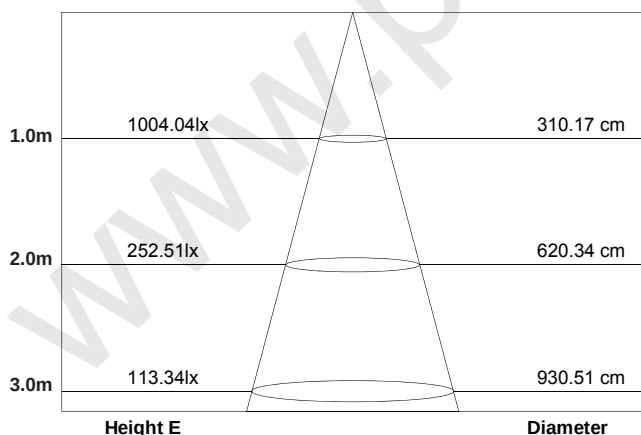
70W High Power Vapour Proof LED Light

Model	• AERO70C	• AERO70N
Colour	Cool White	Neutral White
CCT (K)	6000K	4500K
Light Efficacy	66lm/W	62lm/W
Luminous Flux	4600lm	4320lm
Available IP Ratings	IP65	IP65
LED Type	144 x LED	144 x LED
CRI	>75	>80
Beam Angle	120°	120°
Power	70W	70W
Operating Temperature	-20~+45°C	-20~+45°C
Dimensions (L x W x Hmm)	1180 x 145 x 65	1180 x 145 x 65
Weight	5.2Kg	5.2Kg

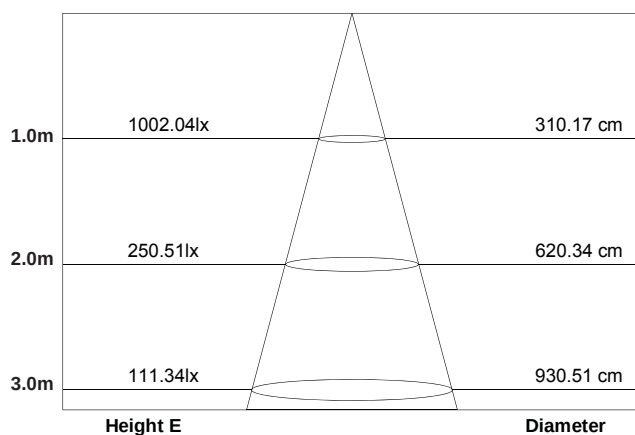
AERO Series Mechanical



AERO45C Luminance

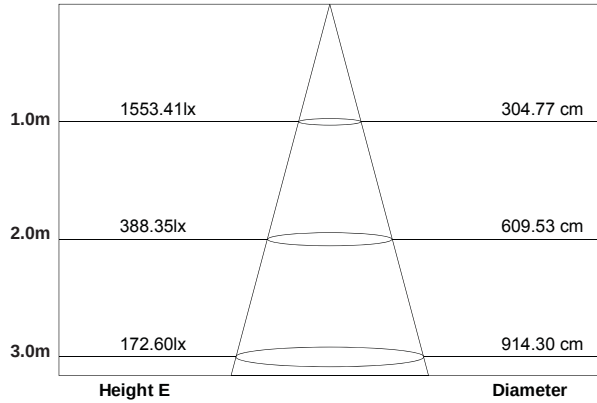


AERO45N Luminance

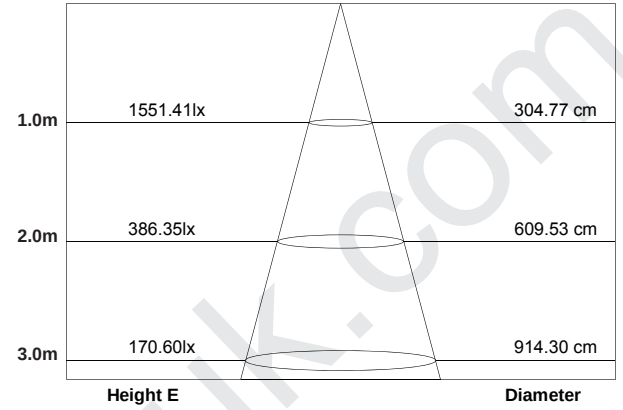




AERO70C Luminance



AERO70N Luminance



AERO

VAPOUR PROOF



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FLEX



LED FLOODLIGHTING

Product Features

- Suitable for security & general outdoor lighting applications
- Industrial design embedding user convenience and flexibility
- High-level for ease of installation & low maintenance fit and forget applications
- Cast metal casing with high quality grained anodised paint finish; environmentally protected against UV
- Quality, long life Epistar LEDs & polished reflector for maximum light output
- Proven provider of switchmode power supplies to support in-house LED driver technology
- Designed to provide applications long product life cycle and high energy saving capabilities
- Optional integral & external PIR's available with motion detector & automatic day/night sensor functionality
- 36 months warranty for approved installations
- 50,000 hr life time

FLEX 10W Floodlights

Model	• FLEX-10C	• FLEX-10W
Lumen Output (lm)	≥700	≥700
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	10W	10W
Efficacy (lm/W)	≥70	≥70
Power Factor	≥0.98	≥0.98
CRI (Ra)	70	70
Dimensions (LxWxDmm)	178 x 169 x 50	178 x 169 x 50
Weights (kg)	1.15	1.15
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 30W Floodlights

Model	• FLEX-30C	• FLEX-30W
Lumen Output (lm)	≥2,400	≥2,400
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	30W	30W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	294 x 240 x 80	294 x 240 x 80
Weights (kg)	2.0	2.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 50W Floodlights

Model	• FLEX-50C	• FLEX-50W
Lumen Output (lm)	≥3,500	≥3,500
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	50W	50W
Efficacy (lm/W)	≥70	≥70
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	358 x 332 x 100	358 x 332 x 100
Weights (kg)	3.4	3.4
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 80W Floodlights

Model	• FLEX-80CS	• FLEX-80WS
Lumen Output (lm)	≥6,160	≥6,160
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	80W	80W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.92	≥0.92
CRI (Ra)	80	80
Dimensions (LxWxDmm)	358 x 332 x 100	358 x 332 x 100
Weights (kg)	8.0	8.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 100W Floodlights

Model	• FLEX-100C	• FLEX-100W
Lumen Output (lm)	≥7,700	≥7,700
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	100W	100W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	421 x 383 x 126	421 x 383 x 126
Weights (kg)	8.0	8.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

FLEX 120W Floodlights

Model	• FLEX-120C	• FLEX-120W
Lumen Output (lm)	≥9,240	≥9,240
Input Voltage	85-265VAC 47/63Hz	85-265VAC 47/63Hz
Power Consumption (W)	120W±%	120W
Efficacy (lm/W)	≥77	≥77
Power Factor	≥0.98	≥0.98
CRI (Ra)	80	80
Dimensions (LxWxDmm)	421 x 383 x 126	421 x 383 x 126
Weights (kg)	8.0	8.0
Angle (°)	120	120
IP	IP65	IP65
CCT (K)	6000-7000K	2900-3200K

-  Integral PIR option available
-  Integral Dusk to Dawn option available
-  Integral PIR with constant on facility
-  Approved external PIR available

FLEX 10W Floodlights Luminance Distribution



	Center Beam LUX	Beam Width
1m	322.2 LUX	205.32cm
2m	80.55 LUX	410.63cm
3m	35.80 LUX	615.95cm
4m	20.14 LUX	821.26cm
5m	12.89 LUX	1026.58cm

Vert. Spread: 91.5

FLEX 35W Floodlights Luminance Distribution



	Center Beam LUX	Beam Width
1m	1156 LUX	188.98cm
2m	289.1 LUX	377.95cm
3m	128.5 LUX	566.93cm
4m	72.28 LUX	755.91cm
5m	46.26 LUX	944.89cm

Vert. Spread: 86.75

FLEX 50W Floodlights Luminance Distribution



	Center Beam LUX	Beam Width
1m	1980 LUX	180.44cm
2m	495.1 LUX	360.88cm
3m	220.1 LUX	541.32cm
4m	123.8 LUX	721.77cm
5m	79.22 LUX	902.21cm

Vert. Spread: 84.11

FLEX 80WS Floodlights Luminance Distribution

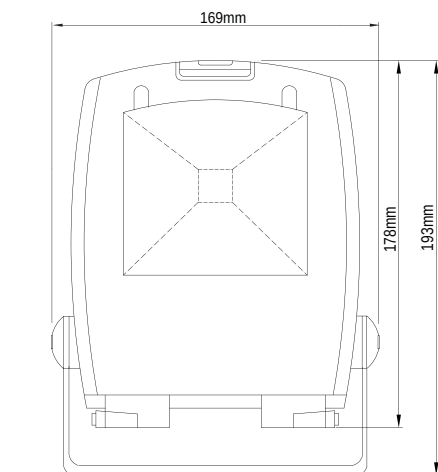


	Center Beam LUX	Beam Width
1m	2765 LUX	180.50cm
2m	691.1 LUX	361.01cm
3m	307.2 LUX	541.51cm
4m	172.8 LUX	722.02cm
5m	110.6 LUX	902.52cm

Vert. Spread: 84.13

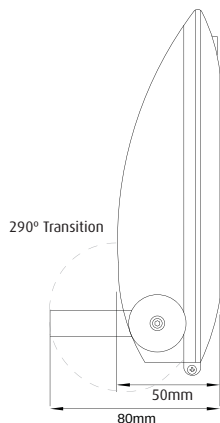
- Integral PIR option available
- Integral Dusk to Dawn option available
- Integral PIR with constant on facility
- Approved external PIR available

FLEX 10W Floodlights

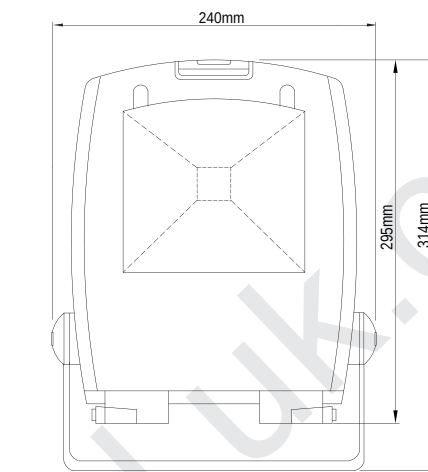


Case: 8102CH

Unit: mm

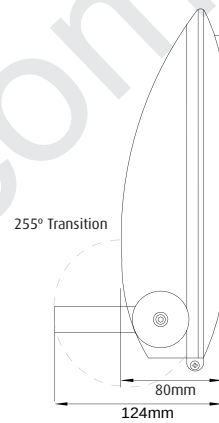


FLEX 30W Floodlights

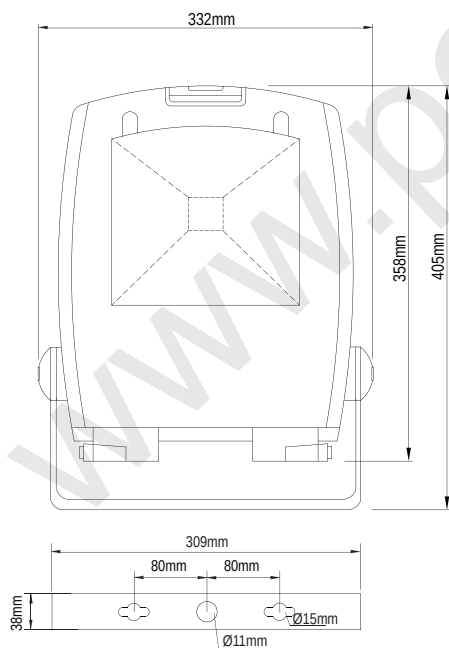


Case: 8109KR

Unit: mm

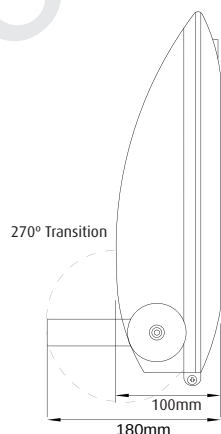


FLEX 50W & FLEX 80WS Floodlights

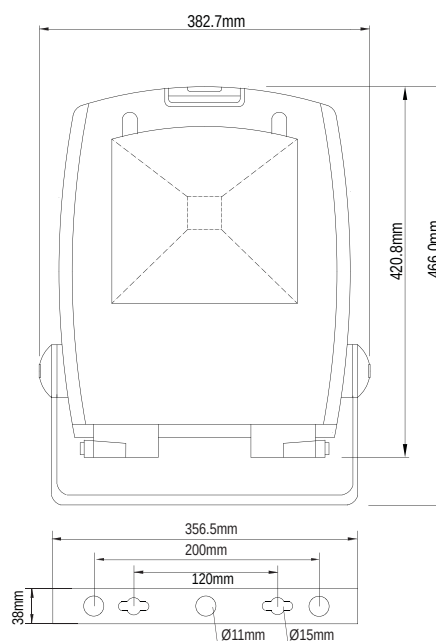


Case: 8106GC

Unit: mm

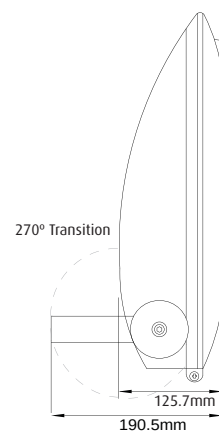


FLEX 100W & FLEX 120W Floodlights



Case: 8103DL

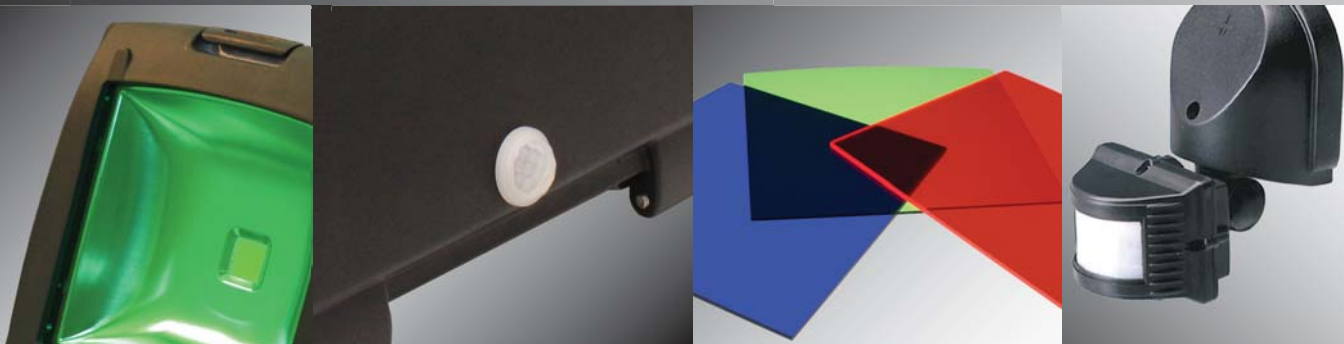
Unit: mm



- Integral PIR option available
- Integral Dusk to Dawn option available
- Integral PIR with constant on facility
- Approved external PIR available

FLEX

LED FLOODLIGHTING



Optional Product Features

- Integral PIR Motion Detector
- Integral Dawn to Dusk Sensor
- Approved External PIR Motion Detector Option
- Poly carbonate lens, for applications such as food stores where glass is unacceptable (Lighting BSI/IEC 61549 Standard)



Integral PIR Motion Detector

- -PIR Suffix

Our optional integral PIR motion detector has automatic day/night identification and light sensitivity to operate your FLEX floodlight during the twilight hours. The adjustable on-time ensures the light stays illuminated to times that suit your application.

Detection Angle	100°
Detection Range	8m @22°C
Time-Delay Switch	5s, 30s, 1min, 3min, 8min
Light Control	<3 lux to 2000 lux

DIP Switches For Setting On Time

		ON	OFF
	Light Sensitivity	<10lx	always
	Movement Sensitivity	low	high
5"	On-Time	5 seconds	-
30"	On-Time	30 seconds	-
1"	On-Time	1 minute	-
3"	On-Time	3 minute	-
5"	On-Time	5 minute	-
8"	On-Time	8 minute	-

Note: only the highest selected on-time will be applicable.

Integral PIR Motion Detector with Constant ON Facility

- -PIR4 Suffix

Motion Detector functionality as per PIR above. PIR4 has a 4 core cable; to enable the constant ON function. A switch should be installed between the brown & black wires to override PIR (Floodlight will be on permanently).

Integral Dawn to Dusk Sensor

- -DD Suffix

This optional integral Dawn to Dusk sensor will ensure your FLEX floodlight automatically switches on at Dusk and off again at Dawn; lighting your outdoor space during the hours needed. The off level of this sensor is 70 lux.

Approved External PIR Motion Detector

- EXPIR

We recommend an external PIR motion detector that is suitable for use with all of our floodlights; this unit has a vertically adjustable position as well as automatic day/night identification and light sensitivity, to ensure energy saving operation of your FLEX floodlight during the twilight hours. It also has a setting to allow operation during the daytime.

Power Source	220-240Vac	Power Frequency	50-60Hz
Detection Angle	180°	Detection Range	12m @24°C
Working Temperature	-20°C to +40°C	Working Humidity	< 93% RH
Light Control	<3 lux to Daylight	Activation Duration	min. 8 sec ±3sec./max. 7 min. ±2min
Installation Height	0.5m to 3.5m	Motion Speed Detection Range	0.6 ~ 1.5m/s
Rated Load	1200W (220-240Vac)	Power Consumption	0.45W (standby 0.1W)



Optional Lens'

• -PCL Suffix

The same great FLEX LED Floodlight but with a shatter proof clear Polycarbonate Lens, for applications where our standard glass version would not be suitable, such as food or crop storage; complies with lighting BSI/IEC 61549 Standard. These impact resistant lens' are available for 30W, 50W, 80W, 100W & 120W FLEX floodlights.

• Colour Lens

PCL00-B	Blue Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W
PCL00-G	Green Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W
PCL00-R	Red Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W
PCL00	Clear Poly carbonate	00 = 30W, 50W, 80W, 100W & 120W

FLEX

LED FLOODLIGHTING

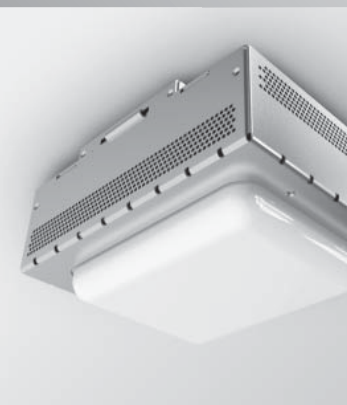


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GENESIS, PARK, Highbay & ARGES



HIGHBAY LED

Product Features

- Several optic designs to suit different highbay lighting applications
- Industrial design embedding user convenience and GENESIS, PARK, Highbay & ARGESibility
- Light-weighted products for ease of installation & maintenance free service
- 50,000 hr life time
- Proven provider of switchmode power supplies to support in-house LED driver technology
- Designed to provide applications long product life cycle and high energy saving capabilities
- Reliable quality and manufacture capability
- CE, RoHS & WEE Compliant

GENESIS, PARK, HIGHBAY & ARGES

GENESIS Highbays

Model	• GENESIS2	• GENESIS1
Lumen Output (lm)	≥6,500	≥10,800
Input Voltage	120-277VAC, 50/60Hz	120-277VAC, 50/60Hz
Power Consumption (W)	100W±15%	140W±15%
Efficacy (lm/W)	≥65	≥77
Power Factor	>0.95	>0.95
CRI (Ra)	70	70
Dimensions (mm)	503 x 503 x 250	503 x 503 x 250
Weight (Kg)	6.5	8.4
Angle (°)	80	80
IP Rating	IP20	IP65
CCT (K)	5000K	5000K

PARK Highbays for parking garage

• PARK30	• PARK60
≥2,000	≥4,000
120-277VAC, 50/60Hz	120-277VAC, 50/60Hz
30W±15%	60W±10%
≥66	≥66
>0.9	>0.9
70	70
300 x 250 x 148	300 x 250 x 148
5.5	5.5
100	100
IP65	IP65
5000K	5000K

HIGHBAY Waterproof Highbays

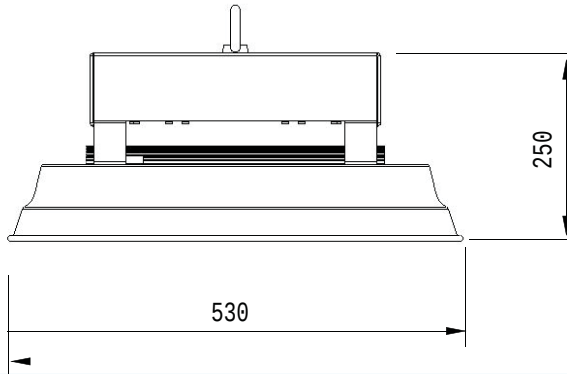
Model	• HIGHBAY85-IP-S	• HIGHBAY85-IP-R	• HIGHBAY135-IP-S	• HIGHBAY135-IP-R
Application	Surface Mount	Recessed Mount	Surface Mount	Recessed Mount
Lumen Output (lm)	≥6,800	≥6,800	≥10,800	≥10,800
Input Voltage	90-270VAC, 50/60Hz	90-270VAC, 50/60Hz	90-270VAC, 50/60Hz	90-270VAC, 50/60Hz
Power Consumption (W)	85W±15%	85W±15%	135W±10%	135W±10%
Efficacy (lm/W)	≥80	≥80	≥80	≥80
Power Factor	>0.95	>0.95	>0.95	>0.95
CRI (Ra)	70	70	70	70
Dimension (mm)	340 x 340 x 153	340 x 340 x 117	340 x 340 x 153	340 x 340 x 117
Weight (Kg)	6.3	5.1	6.5	5.3
Angle (°)	80	80	80	80
IP Rating	IP65	IP65	IP65	IP65
CCT (K)	5000K	5000K	5000K	5000K

ARGES Highbays

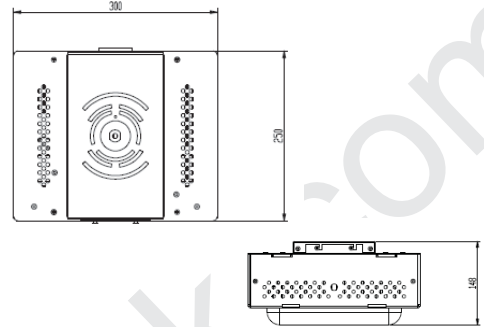
Model	• ARGES135A	• ARGES135C	• ARGES160A	• ARGES160C	• ARGES192A	• ARGES192C
Optical Pattern	Aisle	Circular	Aisle	Circular	Aisle	Circular
Lumen Output (lm)	≥12,000	≥12,300	≥1450-13,300	≥1500-13,800	≥11900-15,200	≥12000-15,700
Input Voltage	110-277VAC	110-277VAC	110-277VAC	110-277VAC	110-277VAC	110-277VAC
	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Power Consumption (W)	135W	135W	20-160W	20-160W	23-192W	23-192W
Efficiency (lm/W)	≥89	≥91	≥83	≥86	≥79	≥83
Power Factor	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
CRI (Ra)	70	70	70	70	70	70
Dimension (mm)	320 x 380 x 131	320 x 380 x 136	320 x 380 x 131	320 x 380 x 136	320 x 380 x 131	320 x 380 x 136
Weight (Kg)	4.75	4.85	4.75	4.85	4.75	4.85
IP Rating	IP67	IP67	IP67	IP67	IP67	IP67
CCT (K)	4500K	4500K	4500K	4500K	4500K	4500K

GENESIS, PARK, Highbay & ARGES

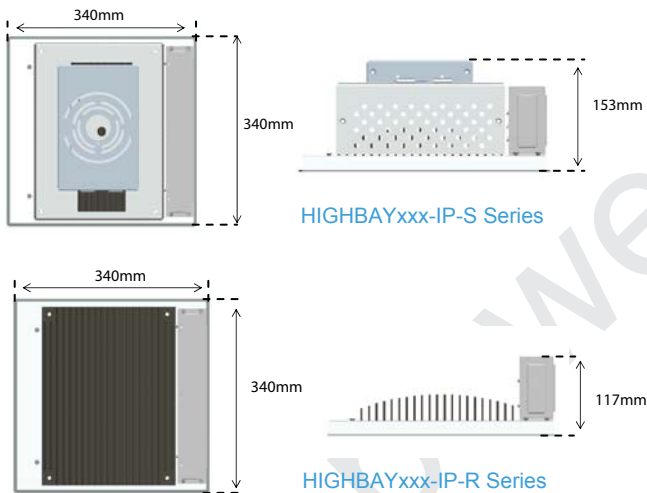
GENESIS Series Mechanical



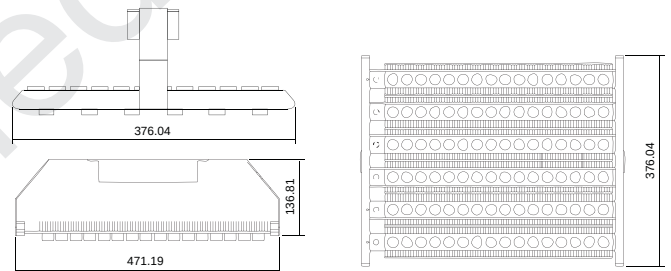
PARK Series Mechanical



Highbay Series Mechanical



ARGES Series Mechanical



GENESIS, PARK, HIGHBAY & ARGES

HIGHBAY LED



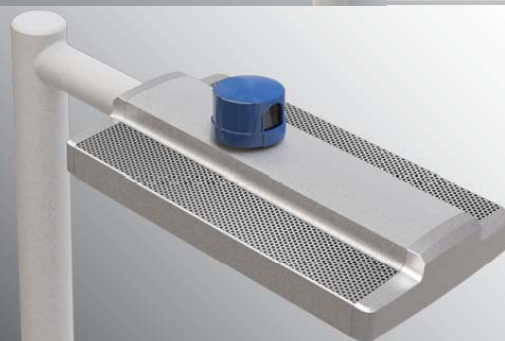
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STREET & PATHFINDER

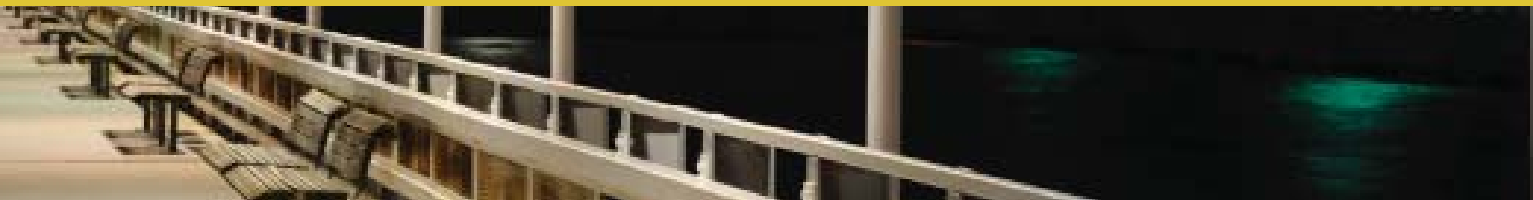
LED STREET LIGHTS



Product Features

- Energy saving, low maintenance
- IP65 Rated for external applications
- System design integrating power, driver and LED light modules
- High efficacy 85/90lm/W
- LED life of 50K hours
- Easy installation & low maintenance
- 80% cost saving compared to incandescent bulbs (PATHFINDER Series)
- Over 90% of components recyclable
- Robust aluminium casing with powder coating finish
- Suitable for outdoor lighting applications including street, pathway and park lighting

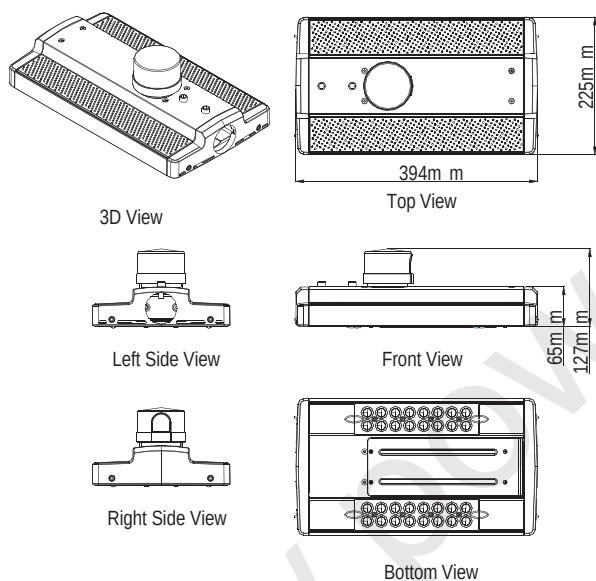
STREET & PATHFINDER



PATHFINDER High Lumen Street Lighting Fixture

Model	• PATHFINDER35	• PATHFINDER65
Power	35W	65W
Colour Temperature	Natural White	Natural White
CCT (K)	5000K	5000K
Light Efficiency	83lm/W	85lm/W
Luminous Flux	2900lm	5500lm
CRI	70	70
Power Factor	0.9	0.9
LED Input Current	350mA	350mA
IP Rating	IP65	IP65
Dimensions (L x W x Hmm)	394 x 225 x 65	545 x 225 x 65
Operating Temperature	-20~+50°C	-20~+50°C
Weight	5Kg	6.5Kg

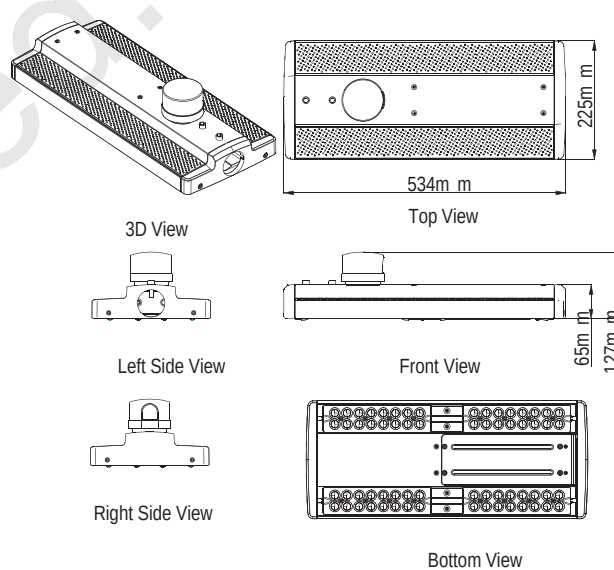
PATHFINDER35 Mechanical



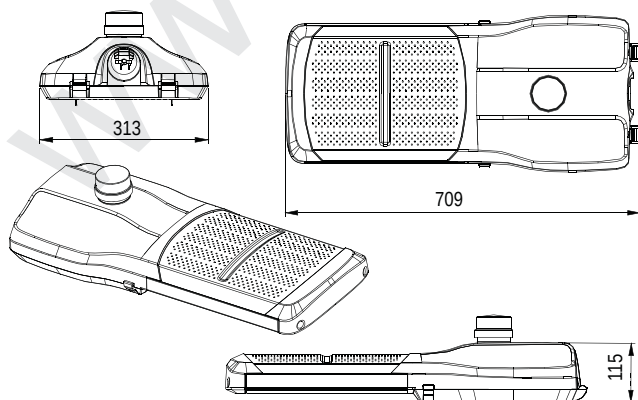
STREET High Lumen Street Lighting Fixture

	• STREET90	• STREET140
Power	90W	140W
Colour Temperature	Natural White	Natural White
CCT (K)	5000K	5000K
Light Efficiency	90lm/W	90lm/W
Luminous Flux	8,100lm	12,600lm
CRI	70	70
Power Factor	0.95	0.95
LED Input Current	350mA	350mA
IP Rating	IP65	IP65
Dimensions (L x W x Hmm)	709 x 313 x 115	821 x 313 x 115
Operating Temperature	-20~+50°C	-20~+50°C
Weight	11Kg	14Kg

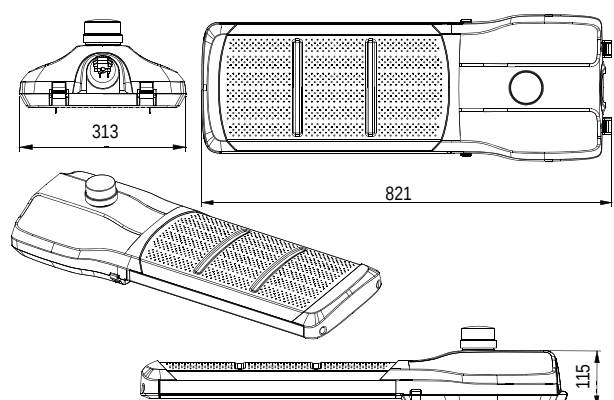
PATHFINDER65 Mechanical



STREET90 Mechanical



STREET140 Mechanical



PRODUCT SECTIONS

LED LIGHT BARS

CONNECT - LED Light Bars

RIGID - Rigid PCB LED Strip

LED FLEXI STRIPS

ECO - Ultra Low Power Consumption LED Flexi Strip

NEPTUNE - IP67 Rated LED Flexi Strip

CHROMA CC - Constant Current LED Flexi Strip

LUCENT - Low & High Power LED Flexi Strip

CHROMATIC - Professional LED Flexi Strip

EDGE - Side Lit LED Flexi Strip

LED LIGHT BULBS

T8 TUBE - T8 Style LED Bulb

LED POWER & CONTROL

LED POWER - Constant Current, Constant Voltage, Dimmable LED Drivers

LED DIMMING - DALI, DMX, 1-10V, PUSH & Constant Voltage Dimmers

INDOOR LED LIGHTING

COMMERCE - Recessed LED Ceiling Lights

LUMO - LED Light Tile

COMMERCIAL LED LIGHTING

AERO - Vapour Proof LED Lights

PARK - Covered Car Park LED Lights

ARGES - Aisle & Circular Highbay LED Lights

GENESIS - Highbay LED Lights

HIGHBAY - Surface & Recess Highbay Lights

OUTDOOR LED LIGHTING

FLEX - LED Floodlights

PATHFINDER - High Lumen LED Street Lights

STREET - High Lumen LED Street Lights

LED Lighting Products

Industrial | Commercial | Domestic



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