

Star-Lights

led lighting

Catalogue 2009

Products

- Power Led bulbs
- Led light strips
- Garden lighting
- Led spotlights
- Wall Washers
- Build in Ledlights
- Starecase lights
- LED TL tube replacements

Aluminium LED Strip Light

Item No: QL-A54/108

Display lighting and under-cabinet shelf lighting have always presented challenges for the lighting designer. Abundant light and less heat are required for product display, especially where the perishable goods are concerned.

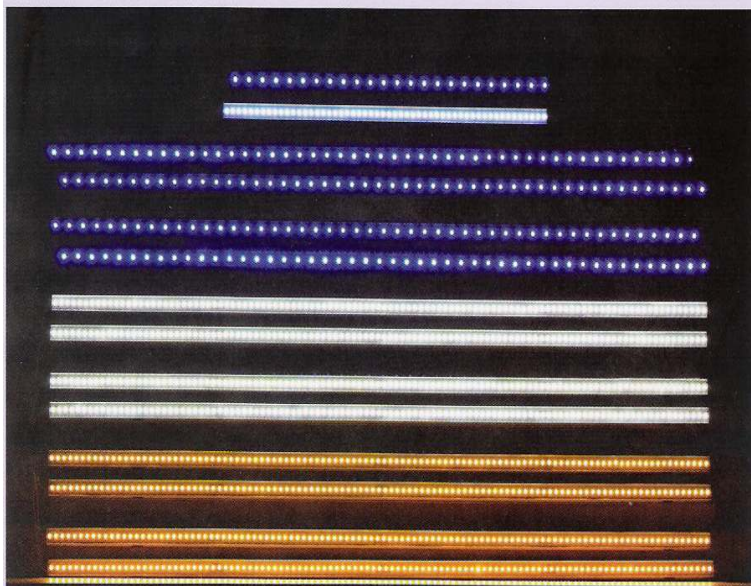
Our aluminum profile LED strip lighting system is with a neat series of lighting units. With 24V operation, a low profile and ultra-bright, white LED projecting no heat or UV, the system is perfect in any display situation and especially ideal for refrigerated displays, bar and freezer cabinets, as no extra cooling capacity is required to compensate for the tiny amount of heat generated by the light fittings LED Strip Light for Display Case, Freezer Cabinets.

Features:

- 01) Color is available in: white(5500K-6000K), warm white(2800K-3300K), red, green, blue, yellow, and RGB
- 02) RGB controller available
- 03) Waterproof Ip67, suitable for outdoor use
- 04) Compact size(L W H):50/100 2.4 1.0cm
- 05) LED quantity:54 LED(0.5m), and 108 LED(1m)
- 06) Up to 200+ lumens(0.5m, 5500K-6000K) and 400+ lumens(1m, 5500K-6000K)
- 07) Working voltage: 12V DC / 24V DC

Application:

- 01) Under-cabinet lighting
- 02) Refrigerated display lighting
- 03) Bar and freezer cabinet lighting



High Power LED Bar Light

Item No: QL-CA-W5

Features:

- 1) Three-way switch ("II":OFF, "I":HALF-ON, "O":ON) No RF interference, No buzzing noise
- 2) Easy Installation Wide-range working voltage, Working Voltage 6~50V DC suitable for vehicles
- 3) Superbright Power LED's Long lifetime over 50,000hours
- 4) Dimensions 425mm(L) x 28.5mm(W) x 12mm(H),
- 5) 5pcs 1watt Power LEDs, Warm White, 2800K-3300K, 250 lm
- 6) QL-CA-W5 5pcs 1watt Power LEDs, White, 5500K-6000K , 300 lm

Application:

- 1) Vehicle, boat lighting
- 2) Under-cabinet lighting
- 3) Accent lighting



High Power LED Bar Light

Item No: QL-6022

Features:

- 01) Aluminum LED Bar Lights, Inter-connectable, On-body Switch
- 02) LED Quantity: 2 pieces 1W or 3W high power LED
- 03) Material: Aluminum
- 04) Light Color: 2800K~3300K, 5500K~6000K
- 05) Working Voltage: 110V / 220V
- 06) Wattage: 4.2W
- 07) Lumen: 110 lumens
- 08) Beam Angle: 120° / 30°
- 09) Weight: 354g
- 10) Size: 248 x 51.5 x 29 mm



Item No: QL-6023

Features:

- 01) Aluminum LED Bar Lights, Inter-connectable, On-body Switch
- 02) LED Quantity: 3 pieces 1W or 3W high power LED
- 03) Material: Aluminum
- 04) Light Color: 2800K~3300K, 5500K~6000K
- 05) Working Voltage: 110V / 220V
- 06) Wattage: 5.5W
- 07) Lumen: 150 lumens
- 08) Beam Angle: 120° / 30°
- 09) Weight: 467g
- 10) Size: 368 x 51.5 x 29 mm



Item No: QL-6025

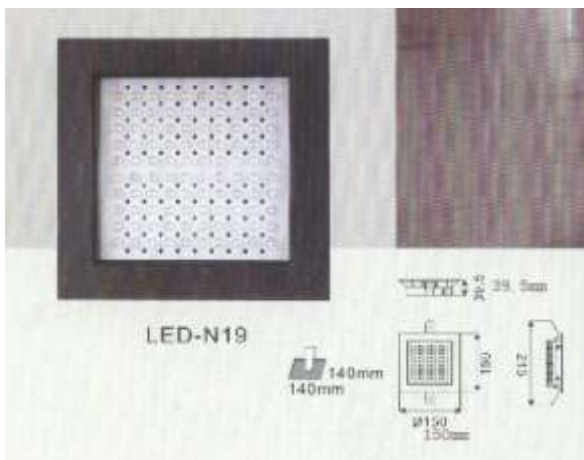
Features:

- 01) Aluminum LED Bar Lights, Inter-connectable, On-body Switch
- 02) LED Quantity: 5 pieces 1W or 3W high power LED
- 03) Material: Aluminum
- 04) Light Color: 2800K~3300K, 5500K~6000K
- 05) Working Voltage: 110V / 220V
- 06) Wattage: 8.2 W
- 07) Lumen: 240 lumens
- 08) Beam Angle: 120° / 30°
- 09) Weight: 653g
- 10) Size: 608 x 51.5 x 29 mm



Applications:

- 1) Under-cabinet lighting
- 2) Under-counter lighting
- 3) Accent lighting





Yal –Star

90-130V/220-240V, 10W/m
Size:20*10mm(W*H)

108LEDs/m
Can be cut per two meters

One roll=100m



F30W-12V

- 1) Continuous length flexible LED light strips
- 2) 5 meters/roll, cuttable every 5cm
- 3) Runs on 12-volt systems like solar cell charged batteries
- 4) Superbright SMD top LED
- 5) Solid-state, high shock or vibration resistant
- 6) Major reduction in power costs
- 7) 120-degree wide angle illumination
- 8) No RF interference
- 9) Maintenance free, with 3m adhesive tape on the back for easy installation
- 10) Long life: 100, 000+ hours (10+ years); white LED: 50, 000+ hours
- 11) Low power consumption, high intensity

LED/PAR56

LED/PAR56 RGB



IP68 waterproof

IP68 waterproof

315LEDs, 12V/AC, WHITE	315LEDs, 12V/AC, RGB
Diameter; 178mm High: 110mm Lumen 945 Lm 17W	controlled by remote controller and switch Diameter :178mm High: 110mm
252LEDs, 12V/AC, WHITE	252LEDs, 12V/AC, RGB
Diameter; 178mm High: 110mm Lumen 741 Lm 12W	controlled by remote controller and switch Diameter: 178mm High: 110mm

Color temperature; 6000-7000K Beam Angle ; 15°	Beam angle 30°	Power 50-60HZ	Output power =17W
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Led downlights



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Star-Lights led lighting



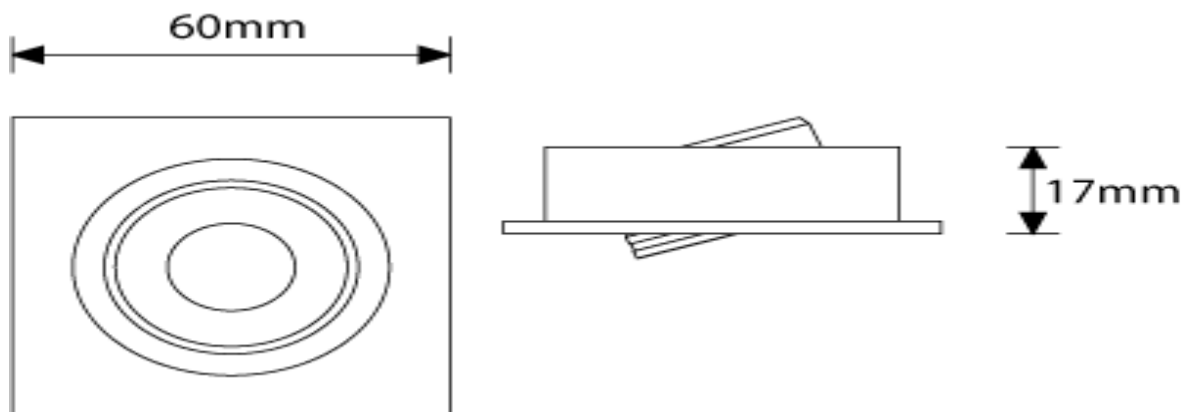
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Star-Lights led lighting



Part number: DL 130 WH
Brushed aluminium 1watt square downlight

IP Rating: IP20
LED output: 1watt @ 350mA
LED Input: 350mA
LED Beam angle: 15°
Material: Aluminium
Cable: 300mm 0.35 cable with fitted amp plug
Cut-out: 53mm
Suitable for plug and play with LED Lynx Extension





Style, function, elegance. This new LED down light range combines all three. The latest LED technology means this range can be used as part of a scheme as task lighting and/or decorative lighting. Made to the highest specification, using top grade materials, this range is a must for contemporary rooms and corridors. Available as a single, triple, quadruple or five bar unit depending on the application. Plug and play wiring ensures quick and easy installation. Maintenance free

**Part number: DL330 Wh
Brushed aluminium 3 x 1watt oblong downlight**

**IP Rating: IP20
LED output: 3 x 1watt @ 350mA
LED Input: 350mA
LED Beam angle: 15°
Material: Aluminium
Cable: 300mm 0.35 cable with fitted amp plug
Cut-out: 53mm x 157mm
Suitable for plug and play with LED Lynx Extension**



Part number: DL430 Wh

Brushed aluminium 4 x 1watt square downlight

IP Rating: IP20

LED output: 4 x 1watt @ 350mA

LED Input: 350mA

LED Beam angle: 15°

Material: Aluminium

Cable: 300mm 0.35 cable with fitted amp plug

Cut-out: 105mm x 105mm

Suitable for plug and play with LED Lynx Extension



Part number: DL430 Wh

Brushed aluminium 4 x 1watt square downlight

IP Rating: IP20

LED output: 4 x 1watt @ 350mA

LED Input: 350mA

LED Beam angle: 15°

Material: Aluminium

Cable: 300mm 0.35 cable with fitted amp plug

Cut-out: 105mm x 105mm

Suitable for plug and play with LED Lynx Extension



Part number: DL136 WH

6watt Aluminium Down light

IP Rating: IP20

LED output: 6watt @ 350mA

LED Input: 350mA

LED Beam angle: 15°

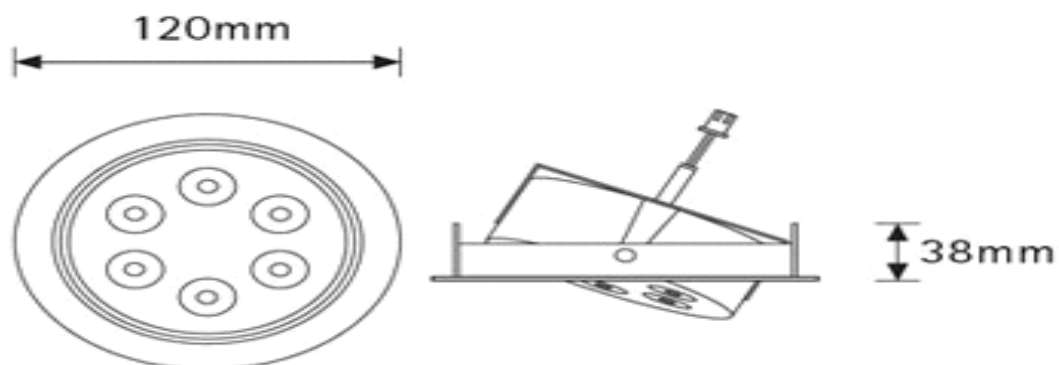
Material: Aluminium

Cut-out: 110mm

Wiring: Series

Cable: 1m 0.35 red and black cable with fitted amp plug

Plug and play using LED Lynx Extension





Part number: DL 133 WH
3watt LED Aluminium downlight

IP Rating: IP20

LED output: 3watt @ 350mA

LED Input: 350mA

LED Beam angle: 15°

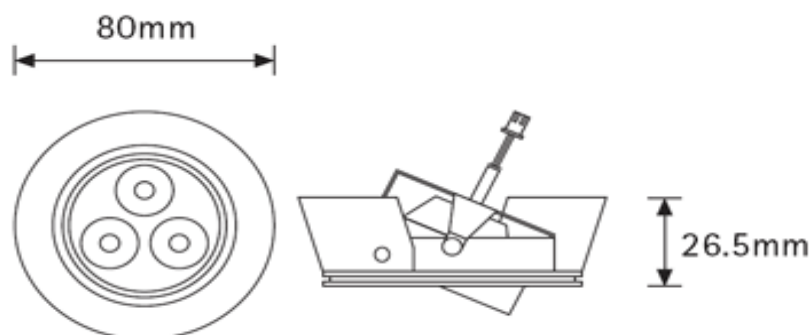
Material: Aluminium

Cut-out: 70mm

Wiring: Series

Cable: 1m 0.35 red and black cable with fitted amp plug

Plug and play using LED Lynx Extension





This classic LED mini light remains hugely popular, it has been installed everywhere from childrens bedroom ceilings to West End stages, from fashionable restaurants to old fashioned narrow boats. There really is no end to the applications suitable for this high powered mini LED. Featuring an incredibly simple plug and play system, even the largest of applications can be wired in minutes.....



Part number: DL120 Wh
Brushed aluminium 1watt round downlight

IP Rating: IP20
LED output: 1watt @ 350mA
LED Input: 350mA
LED Beam angle: 15°
Material: Aluminium
Cable: 300mm 0.35 cable with fitted amp plug
Cut-out: 44mm
Suitable for plug and play with LED Lynx Extension



Undershelf LED lighting

Part number: C113

3 x 2watt LED undershelf recessed or surface lighting

LED output: 2watt per light

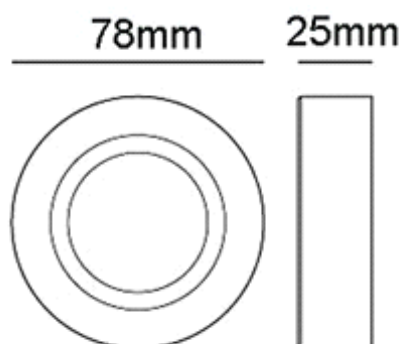
LED Input: 12vDC PSU included

Material: Brushed steel

PSU input: 230 - 240V

Dimensions: Cut-out for recess: 60mm ; Width: 81mm ; Depth: 21mm

Packaging: Blister pack





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Star-Lights led lighting

Led replacement tubes



Features:

- 1) Working Voltage: 80-120VAC or 165-245VAC
- 2) Total: 276pcs super bright LEDs for 1.2meter and 171pcs for 0.6 meters
- 3) Light output: 1350LM
- 4) Ambient Temperature: -40 ~ 60 degrees Celsius
- 5) Power Consumption: 15W
- 6) Diameter: 3cm, length: 120cm
- 7) Can be directly placed in conventional T8 or T9 fluorescent brackets, remove ballast and starter before replacement!
- 8) Color temperature: 6000K~6500K, 4000K~4500K, 3000K~3500K
- 9) Solid-state, high shock / vibration resistant
- 10) Major reduction in power costs
- 11) No RF interference
- 12) Maintenance free, easy installation
- 13) Long lifetime 50, 000+ hrs (5+ years)
- 14) Low power consumption, high intensity

Applications:

Replacement for conventional fluorescent tubes

SMD LED Tube Light Fixtures

Item No: T5/T8/T10 LED Tube light

Advantages:

- 01) Long lifetime 50, 000+ hrs (5+ years)
- 02) 70%~80% Energy-saving over Fluorescent Tubes
- 03) Solid State, High Shock/Vibration Resistant
- 04) Work without ballast
- 05) No RF Interference
- 06) No Flickering
- 07) Instant Soft-start
- 08) Minimum Maintenance Costs
- 09) Produce Little Heat
- 10) No Mercury and other Hazardous Materials, fully RoHS-Compliant

Features:

- 1) Directly Replacement for Fluorescent T5, T8, T10 Lamp
- 2) Working Voltage: 80~120VAC or 165~245VAC for T8/T10
90~265VAC for T5
- 3) Color temperature:
6000K~6500K, 4000K~4500K, 2800K~3300K
- 4) Ambient Temperature: -40 ~ 85 degrees

Part No.	T5 (Diameter 16mm)				
	48.58cm	51.69cm	54.9cm	84.9cm	114.9cm
Parameter					
SMD LED quantity	23	25	27	42	54
Power(W)	4.2	4.5	4.8	7.5	9.6
Luminous Flux(lm)	218	237	256	395	500

Part No.	T8 (Diameter 26mm)			
	60cm	90cm	120cm	150cm
Parameter				
SMD LED quantity	184	246	328	420
Power(W)	10	15	20	25
Luminous Flux(lm)	640	950	1200	1480

Part No.	T10 (Diameter 30mm)		
	60cm	90cm	120cm
Parameter			
SMD LED quantity	246	366	492
Power(W)	15	22	30
Luminous Flux(lm)	950	1340	1780

Note: Luminous flux only for 5500K-6000K



SMD LED Tube Light Fixtures

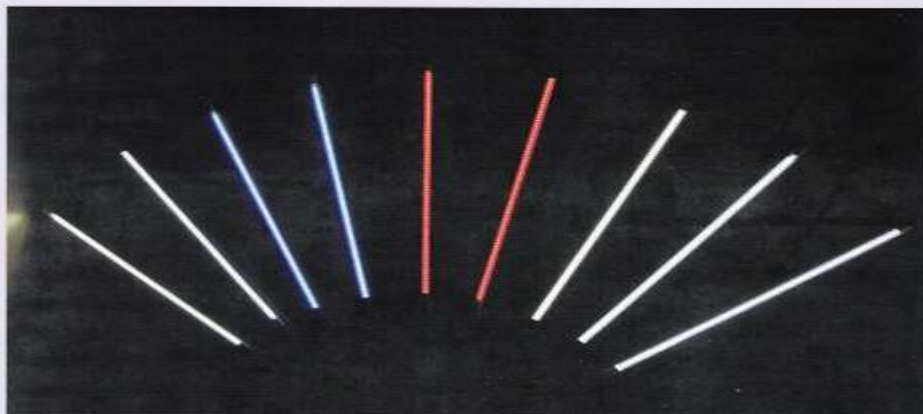
Item No: T5-24V/ FT-24V

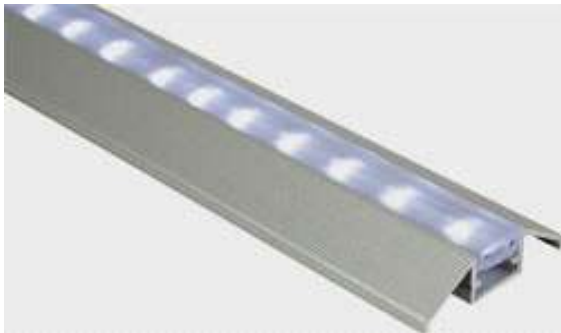
Features:

- 1) Working Voltage: 24VDC, Working Current: 180mA
- 2) Power Consumption: 4.5 Watts / 9 Watts
- 3) UV-resistant PMMA tube housing, Inter-connectible
- 4) Qty of LED: 24 / 48pcs super bright Tri-chip White SMD LEDs
- 5) Light output: 240~280 lm (50cm), 480~560 lm (100cm)
- 6) T5 Diameter: 1.6CM
- 7) Length: 50cm, 100cm
- 8) Ambient Temperature: -40 ~ 85 degrees Celsius
- 9) Quick mounting brackets provide easy installation and lower installation costs
- 10) Color temperature: 5500K~6000K, 2800K~3300K

Applications:

- 1) Bus, shuttle, railcar passenger interiors
- 2) Uninterrupted emergency lighting
- 3) Focused reading and Task lighting
- 4) Interior design uses
- 5) Retail store displays
- 6) Closet illumination
- 7) Cove lighting
- 8) Marine recreation applications
- 9) Concealed accent lighting
- 10) Edge lighting
- 11) Under counter lighting





Material: Aluminium

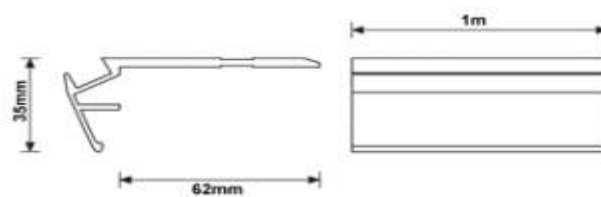
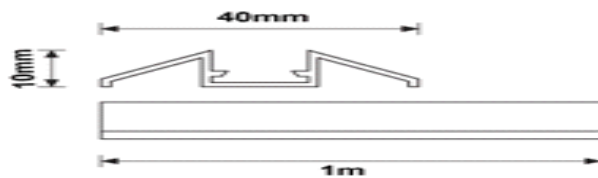
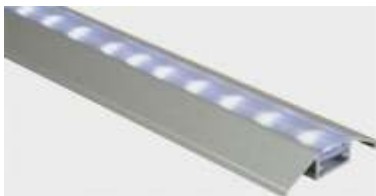
Minimum length - 1m

Maximum length - 3m

Use U-profile to secure LED/IP/ST into Line profile

Clear or frosted cover available

3 fixing clips per metre recommended



LED Modules

Item No: M3/M5

Tired of short-lived and under-performing led's?
Try Quasar's Latest LED's for Channel Letters & Signages!

Features:

- 1) Latest Low Degradation technology is applied to dramatically enhance the lifetime of white led's by 10x over competitors
- 2) No any degradation on brightness for white during the first 1000 hours (compared to 30~40% degradation with the majority of competitors)
- 3) Overall usable lifetime for white more than 20,000hours (compared to 1500~2000hours with competitors)
- 4) Strict color sorting with ideal color temperature at 5000~6000K most needed by western customer compared to loose color control & 8000-10,000K with competitors)
- 5) Superbright led's 4 lumens/led (compared to 2.5~3.5 lumens/led with competitors)

Recommendations:

- 1) If you are a sign manufacturer/fabricator, you deserve the best-performing led modules, esp. in terms of light degradation.
- 2) If you are an led's reseller/distributor/importer, be responsible and offer to customers only the true led modules with latest low light-degradation technology.



LED Panel Light

Item No: QL-LP600x600

Features:

Superbright LED Light Panel 600x600mm,
White, Input Voltage: 100V-240V/50Hz/60Hz,
LED quantity: 900pcs superbright SMD LED/superbright Through-Hole LED
120degree beam angle,
Luminous flux: 3600lm,
CT: 2700-3300K, 6000-6500K,
Life Span: 100000 hours,
with infrared remote dimmer

Item No: QL-LP300x600

Features:

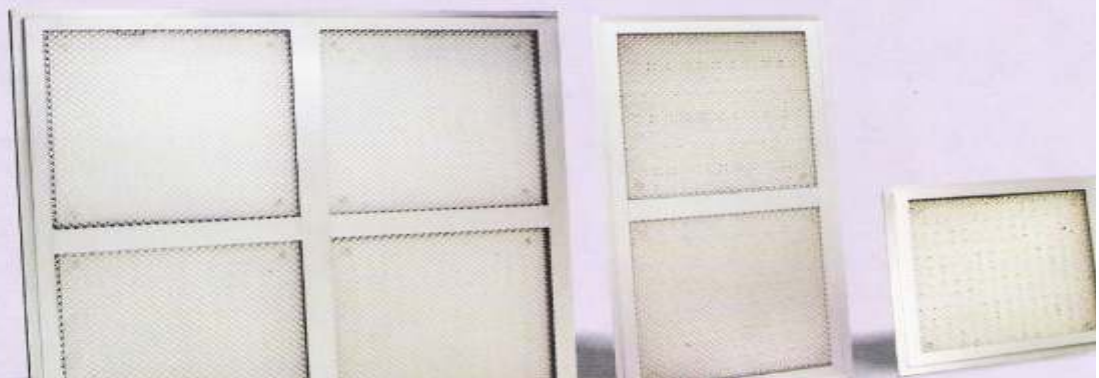
Superbright LED Light Panel, 300x600mm,
White, Input Voltage: 100V-240V/50Hz/60Hz,
LED quantity: 450pcs superbright SMD LED/450pcs superbright Through-Hole LED
120degree beam angle,
Luminous flux: 1800lm,
CT: 2800K-3300K/6000-6500K
Life Span: 100000 hours,
with infrared remote dimmer

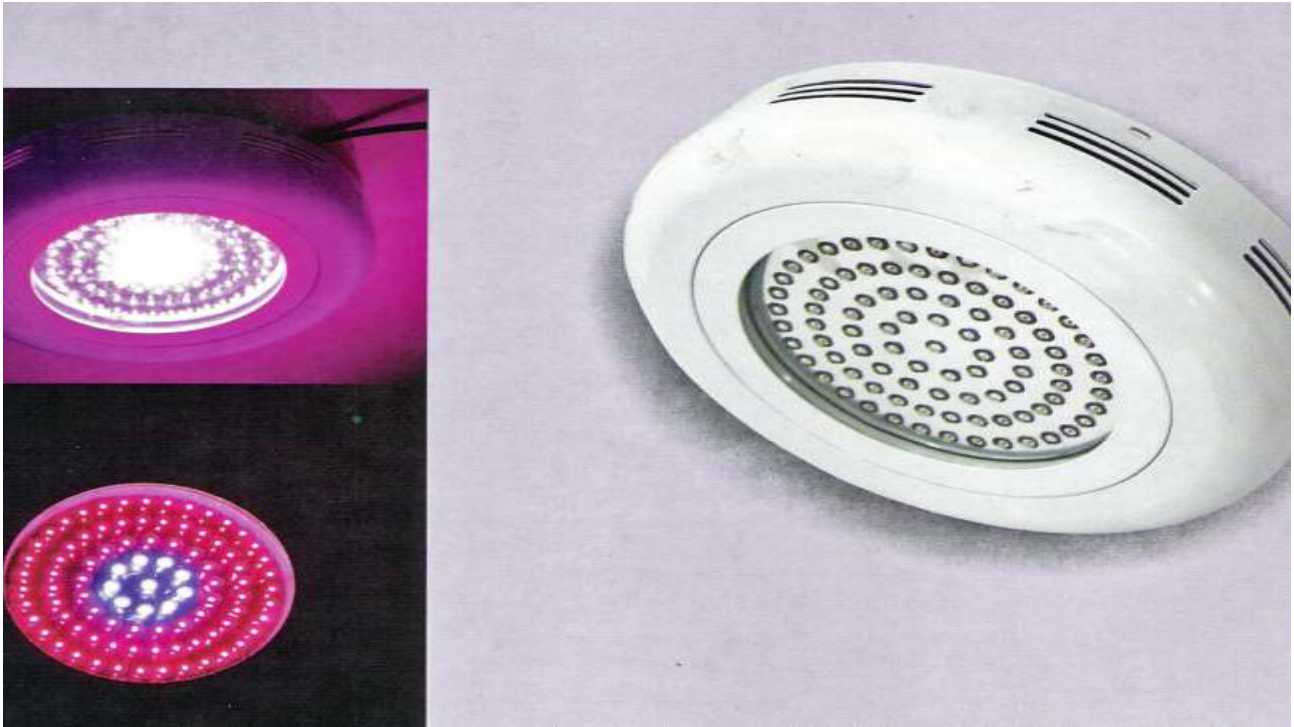
Item No: QL-LP300x300

Features:

Superbright LED Light Panel, 300x300mm,
White, Input Voltage: 100V-240V/50Hz/60Hz,
LED quantity: 225pcs superbright SMD LED / 225pcs superbright Through-Hole LED
120 degree beam angle,
Luminous flux: 900lm,
CT: 2800K-3300K / 6000-6500K
Life Span: 100000 hours,
with infrared remote dimmer

Application: Ideal for home, hotel, restaurant, and other ambient lighting





High power LED industrial lighting

- Powerful 90W high power led emits 5400 lumens
- Long lifetime over 50.000 hours
- Mounted as a ceiling pendant or close to ceiling installation
- 120 degree floodlighting
- Dimming option available
- Built in ventilation fans with a easily removable feature so that when a mechanical problem happens with the fans, it can be replaced independently

Applications:

- Industrial Lighting
- Exhibition Hall Lighting
- Warehouse Lighting
- Auditorium, Factory, Stores, Stadium, Parks, etc.



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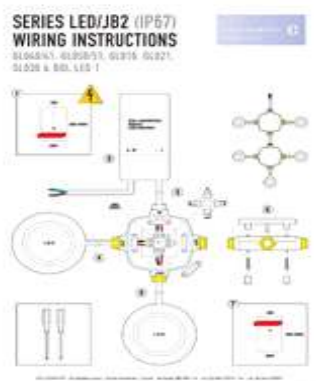
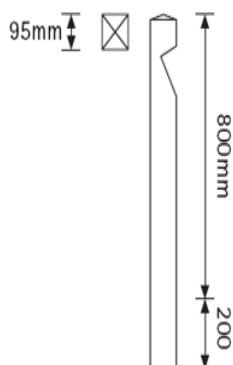
Star-Lights led lighting

BOLLARDS - LED



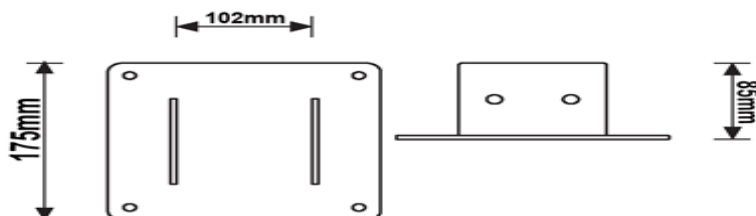
Part number: BOL LED 1
Quality Wooden bollard incorporating a 1watt 350mA LED

IP Rating: IP65
LED output: 1watt @ 350mA
LED Input: 350mA
LED Beam angle: 45°
Material: Solid hardwood post, FSC approved timber
Available to order in oak and other woods
Cable: 1.8m H05RN-F Rubber cable
Wiring: Series
Colour available:



Part Number: Bol LED bracket

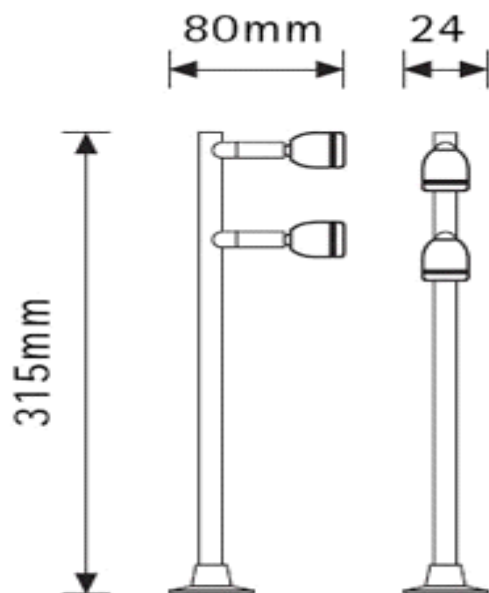
A simple and robust ground fitting for use when installing the Bol LED 1 on hard surfaces.





Part number: DS03
2 x 1watt LED adjustable display light

- **Input:** 350mA
- **LED Output:** 2 x 1watt @ 350mA
- **Material:** Aluminium
- **LED Beam angle:** 15°
- **Wiring:** Series (complete with Amp plug)
- **Cable:** 300mm red/black 2 core cable with LED Lynx plug
- **Weight:** 0.26kg



LED GARDEN LIGHTS CM



LED 3021A, 230V, 0,5W, IP44, 15Lm
Aluminium with crystal, 6 Leds
Colour: white, warm white, blue, red, green



LED 9017, 230V, 1W, IP68, 35Lm
Aluminium, 15 Leds
Colour: white, warm white, blue, red, green





GL016



GL016 AB

This exclusive, robust yet attractive, mid-sized (60mm diameter) LED light is ideal for path, lobby and deck lighting, inexpensive to run and with up to 100,000 hours of LED life, ensures a maintenance free product and makes the GL016 great value for money. With cool glass for added safety.....

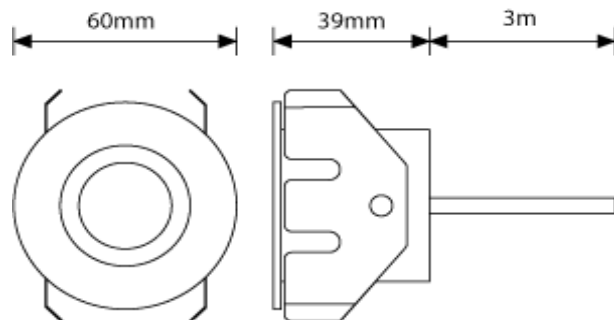
Part number: GL016 & GL016 AB

Low profile groundlight

- **IP Rating :** IP68 @ 1bar (9m)
- **Material :** GL016 = Marine grade(316)stainless steel, GL016 AB = Antique Brass
- **Glass :** 5mm toughened walkover glass
- **LED output :** 1watt @ 350mA
- **Cable :** 3m H05RN-F rubber cable
- **Beam angle :** 45°
- **Cutout size :** 50-55mm x 40mm
- **Sealed for life units**
- **Colours Available in Stainless steel version :**



- **Colours Available in Antique brass version :**





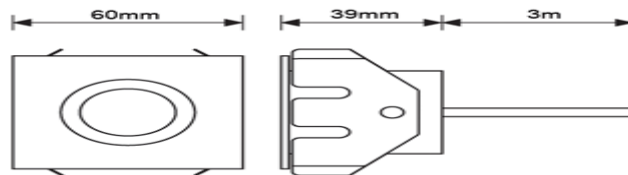
Part number: GL016 SQ

Low profile groundlight with 1w Luxeon LED

- **Beam angle:** 45°
- **Material:** Marine grade(316)stainless steel
- **Glass:** 5mm toughened walkover glass
- **Cable supplied:** 3m H05RN-F rubber cable attached
- **Cut-out:** 50-55mm x 40mm
- **Weight:** 0.44kg
- **Available colours:**



Dimensions



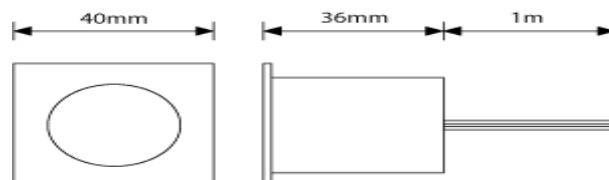
Part number: GL019 SQ

Low profile groundlights with 1w Luxeon LEDs

- **Beam angle :** 45°
- **Material :** Marine grade (316) stainless steel
- **Glass :** 5mm toughened walkover glass
- **Cable supplied :** 1m 0.35&sup mm Teflon cable
- **Cut out :** 31-35mm
- **Weight:** 0.13kg
- **Available colours:**



Dimensions





GL018



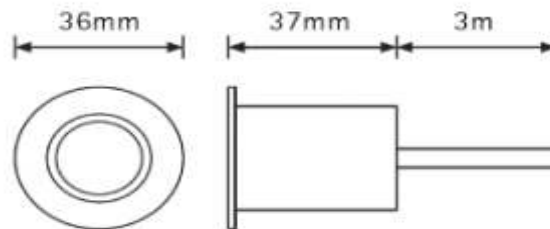
GL018 AB

Part number: GL018 & GL018AB
Small groundlight with 4 radial LEDs

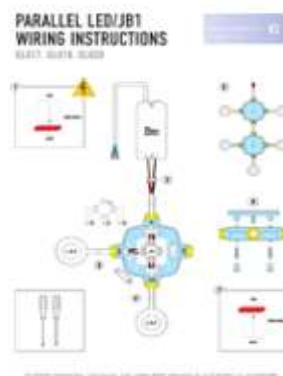
- **IP Rating:** IP68 @ 2m
- **LED Output:** 0.5watt @ 24vDC
- **LED Input:** 24vDC
- **Material:** GL018 - Marine grade(316)stainless steel, GL018AB - Antique Brass
- **Glass:** 5mm toughened, semi opaque walkover glass
- **Cable:** 3m HO5RN-F rubber cable attached
- **Cut-out:** 31mm
- **Wiring:** Parallel
- **Available colours:**



Dimensions



Installation instructions



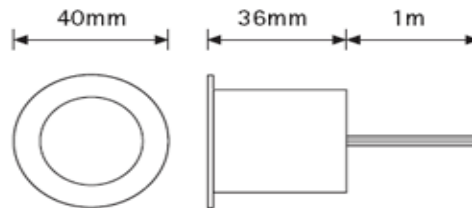


Part number: GL019 Flood & Spot
Low profile groundlights with 1w Luxeon LEDs

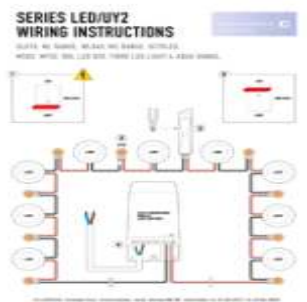
- **IP Rating:** IP68 @ 1bar (9m of water)
- **Beam angle:** Flood 45°, Spot 12°
- **Material:** Marine grade(316)stainless steel
- **Glass:** 5mm toughened walkover glass
- **LED input:** 350mA
- **LED Output:** 1watt @ 350mA
- **Cable:** 1m 0.35mm red and black teflon cable
- **Wiring:** Series
- **Cutout:** 31-35mm
- **Colour available:**



Dimensions



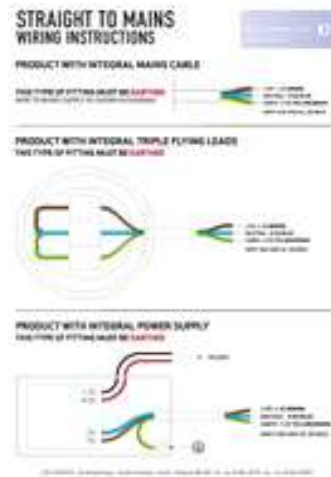
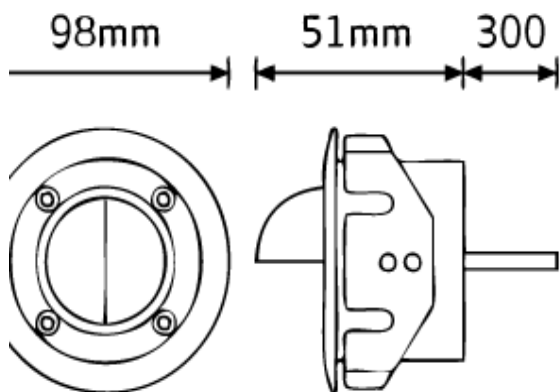
Installation instructions





Part number: GL034
 Straight to mains LED ground light

Input: 240vac Mains
IP Rating: IP67
LED Output: 3watt
LED Beam angle: 45°
Material Top: Stainless steel 316
Material Body: Aluminium
Cable: 300mm 3core cable
Glass Temp: 44°C
Wiring: Parallel
Cut out: 80mm





Part number: GL035/LED3 9watt Spot/Flood

IP Rating: IP67

LED Beam angle: Flood - 45° ; Spot - 12°

LED input: PLU/700mA 3-9

LED output: 7watt @ 700mA

Wiring information: Series

Material: Body - Aluminium , Face - Stainless steel 316

Glass: Toughened safety walkover glass

Lamp fitting: MR16

Rated running temperature: 35°C

Cable diameter: 5mm - 8mm

C/W installation tube

Requires external LED Driver



Part number: GL035/LED3 9w RGB

RGB LED ground light

IP Rating: IP67

LED Beam angle: 45°

LED input: 350mA RGBx30 (2 units per RGBx)

LED output: 9watts

Wiring information: Series

Material: Body - Aluminium , Face - Stainless steel 316

Glass: Toughened safety walkover glass

Lamp fitting: MR16

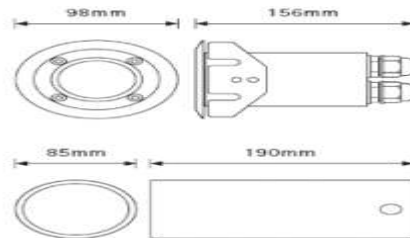
Rated running temperature: 35°C

Ground light with 3 700mA LED's

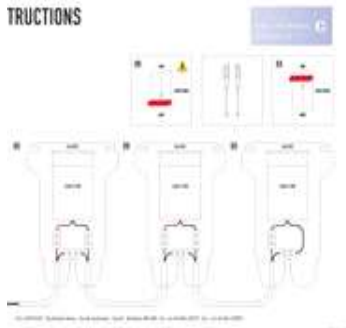
C/W installation tube



Available colours;

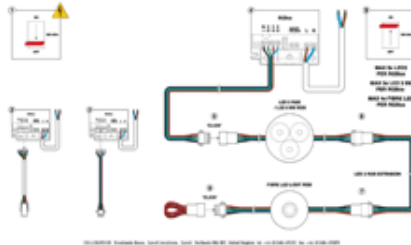


TRUCTIONS

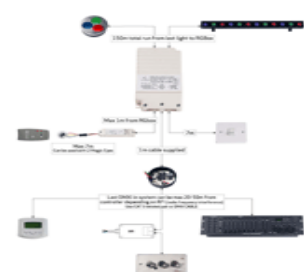


RGB WIRING INSTRUCTIONS

LED3 RGB, LED3 9W RGB & FIBRE LED LIGHT RGB



RGBx Distances





GL040 Flood

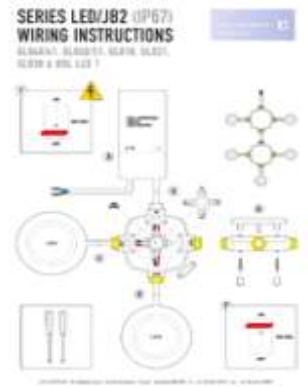
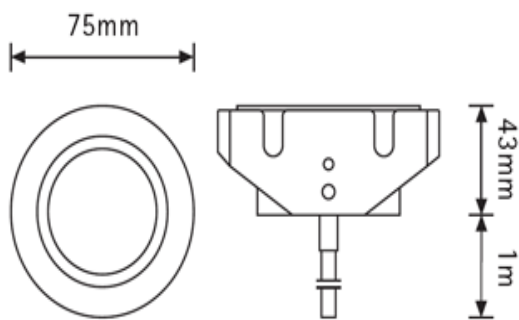


GL040 Spot



Part number: GL040 Flood & Spot
Low profile 3watt LED ground light

- **IP Rating:** IP68 @ 1bar (9m of water)
- **Material:** Stainless steel (316)
- **Beam angle:** Flood 50°, Spot 12°
- **LED Input:** 350mA
- **LED Output;** 3watts @ 350mA
- **Cable:** 1m H05RN-F rubber cable
- **Colours Available:**



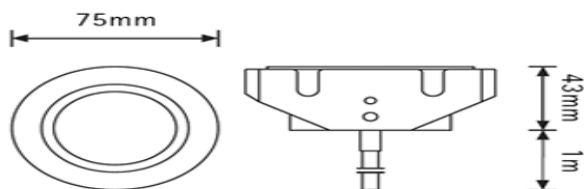
Groundlights – LED



Part number: GL040 RGB
RGB Groundlight

IP Rating: IP68 @ 1bar
LED Input: 350mA RGBBox30
LED beam angle: 45°
LED output: 3watt
Material: Stainless steel 316
Wiring: Series
Cable: 3m 4core cable
Cutout: 65mm

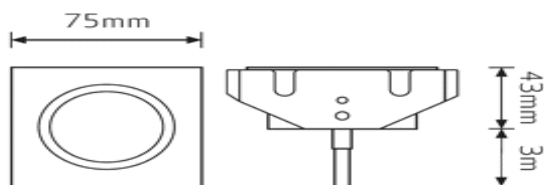
Dimensions



Part number: GL041 Flood/Spot
 3watt square LED ground light
Input: 350mA driver
IP Rating: IP68@2m
LED Output: 3watt @ 350mA
LED Beam angle: 45° Flood ; 12° Spot
Material : Stainless steel 316
Cable: 3m 2core cable
Glass Temp: 55°C
Wiring: Series
Hole size: 65mm
Available colours:



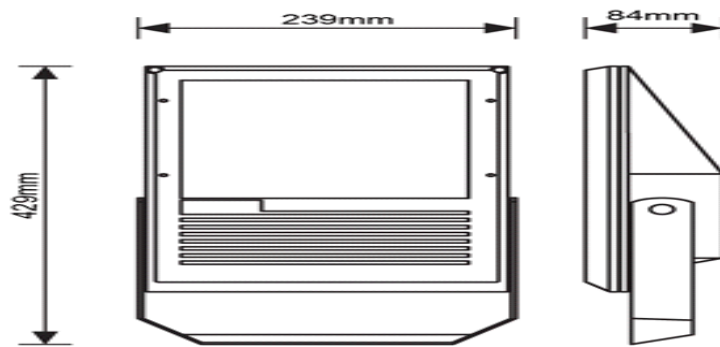
Dimensions





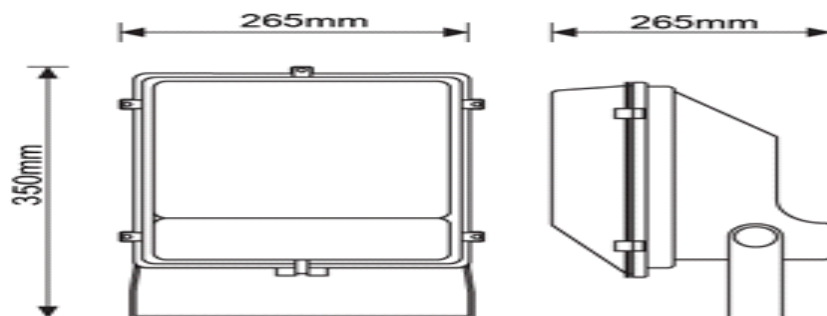
Part number: FL/01/HQI/70 & FL/01/HQI/150
Metal Halide 70w / 150w flood light

IP Rating: IP54
Input: 230 - 240v
Output: FL/01/HQI/70 - 70watt:FL/01/HQI/150 - 150watt
Material: Cast Aluminium case
Lamp size: FL/01/HQI/70 RX7s 70watt:FL/01/HQI/150 RX7s 70watt



Part number: FL/02/HPSI/70
HPS 70watt flood light

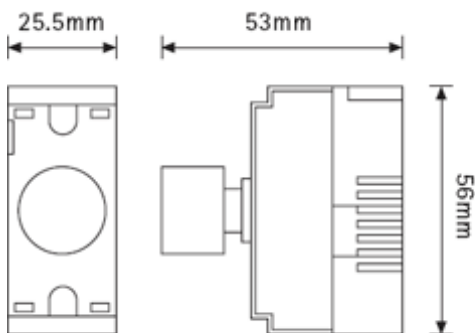
IP Rating: IP54
Input: 230 - 240v
Output: 70watt
Material: Plastic housing, Polycarbonate cover
Lamp size: Edison screw (E27) SONI





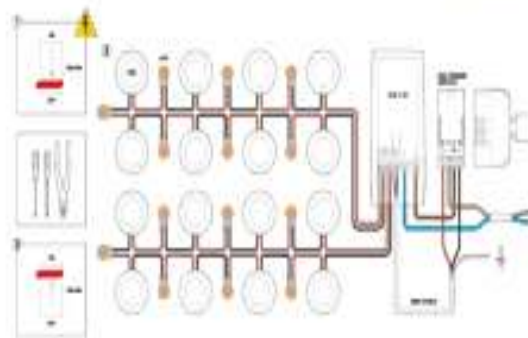
Part number: PDC Dimmer module
1-10 volt Dimmer module

**Use with PDC 20/24 or Use with
PLD 350 1-16 ,
NOTE: Light reduction is down to
10% when using with Luxeon
LED's**



WIRING INSTRUCTIONS

PLD 1-16 / PDC DIMMER MODULE





E 14-C3W-W

- 1) Base type: E14 BASE
- 2) Input voltage: 120V/240V AC
- 3) Full range of colors: cool white, warm white, red, blue, green and yellow
- 4) Superior thermal management with internal copper heat conductor and external aluminum housing
- 5) Light source: USA Cree 3W high power LED
- 6) Luminous flux: 130 lumens(color temperature:7000K)
- 7) Beam angle: 50 / 70 / 100 degrees (glass lens, optical grade)
- 8) Body temperature: less than 53 degrees Celsius
- 9) LED working temperature: less than 62 degrees Celsius
- 10) Temperature: - 40 ~ 70 degrees Celsius
- 11) Brightness degradation: 3% - 5%1kh
- 12) Lifespan: 50,000 hours
- 13) No UV or IR radiation

Application:

Replacement bulbs for general lighting, especially for museums, art galleries, cosmetic counters where UV or IR radiation is undesirable



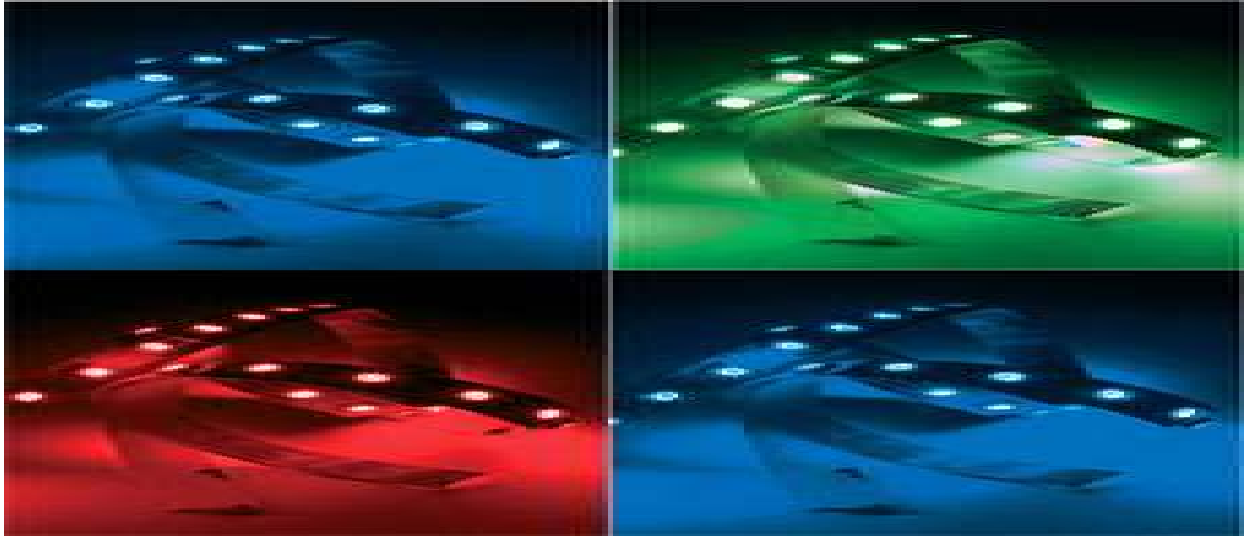


Features:

1. beam angle: 60degree.
2. led quantity: 7pcs 1W power led's.
3. red led quantity 6pcs, blue led quantity 1pcs, or other configuration specified by customers.
4. wavelength: red 650-660nm, blue 460-465nm
5. lifetime: over 50,000hours.
6. power factor: over 0.90.

Application:

Horticulture plant growing.
Commercial plant growing.



Awesome colour changing LED flexible strip! Following the massive success of our fixed colour flexible strip. Collingwood are delighted to introduce this powerful colour change version. Very easy to control via simple push button of DMX controller...

Part number: LED/ST/12x20 RGB

Self adhesive flexible RGB LED Strip

Output: 10watt per 1m

LED Spacing: 20mm - 6 LED's per 125mm

Input: 24vDC

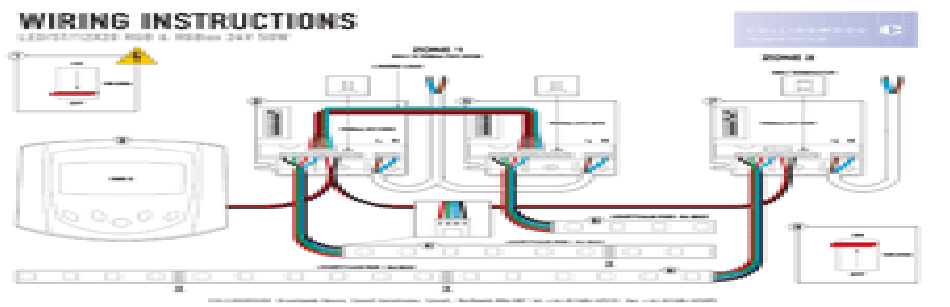
Cut points: every 125mm

Use with: IR3 24V Controller + PDC100/24vDC or PDC 200/24

RGBBox50 24v + Push to make switch

RGBBox50 24v + DMXC

RGBBox50 24v + DMXC WM01



Important Additional Installation information:

1. ONLY SOLDER ON SOLDER POINTS WHICH ARE DESIGNATED BY COPPER STRIPS
2. ONLY CUT ON SOLDER POINTS, IF CUT ANYWHERE ELSE PART OF THE STRIP WILL BE DAMAGED AND WILL NOT WORK



Specifications:

1. Rated voltage: 120V, 240V
2. Long lasting for 40,000hours
3. Easy to assemble and maintain
4. Extendable
5. For given rated voltage and LEDs, the length of string light set and LED space can be adjusted according to customers' specifications

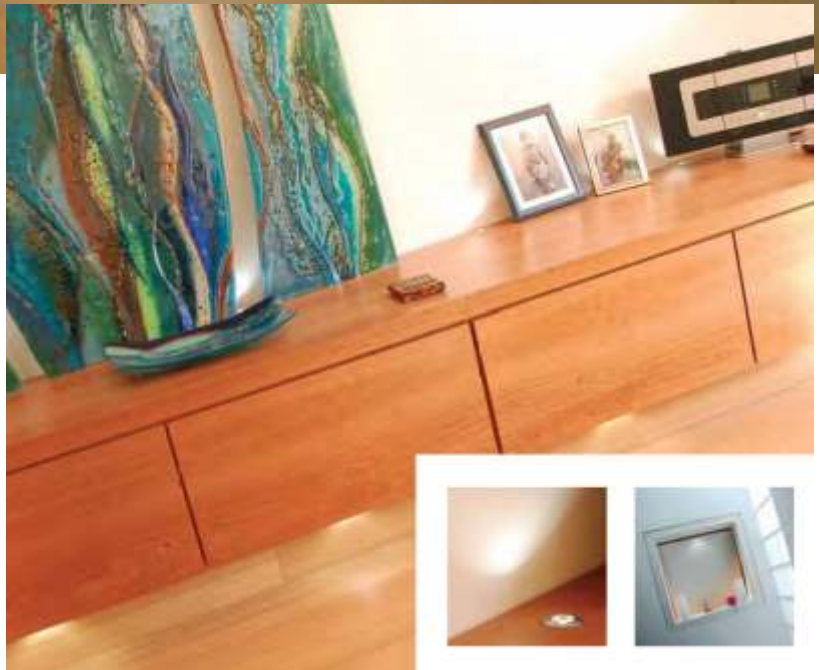
Application:

Christmas and holiday decorative lighting



RGBOX IR-2 CONTROL
350mA dimming driver





tel +34- 676 30 37 47

Star-Lights led lighting