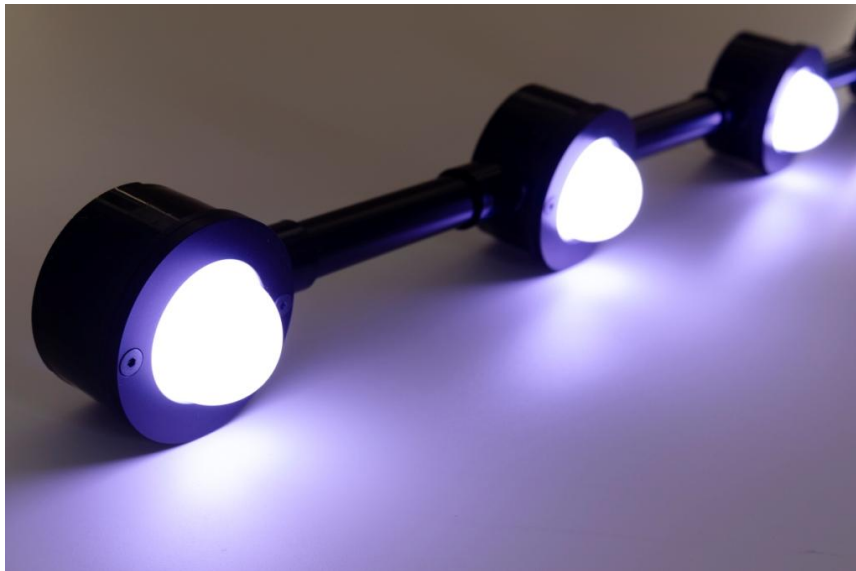




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CONDUIT LED



Compatible with standard 20mm conduit fittings, Conduit LED is a versatile architectural lighting product with a wide range of applications. As with all Glasson Electronics products, Conduit LED is manufactured in our own factory in the UK. The system uses our combined power and data technology to control up to 200 LED units on a single standard two conductor cable. Each LED unit is individually controllable despite being on the same cable. No data wiring is required and the system is polarity insensitive so wiring could not be easier. Conduit LED is available in Single colour, RGB and RGBW. A blue and white version is also available which has high intensity white coupled with lower intensity blue both of which are individually controllable making the system ideal for back stage lighting.

Conduit LED is manufactured from anodised aluminium with a robust polycarbonate diffuser and an optional stainless steel eye lid to direct light to a specified area.

The system has a safety option which switches all LED units on in the event of a non maintained power supply failure.

TECHNICAL OVERVIEW

The system comprises the following components-

RM200 POWER SUPPLY



FEATURES

- Control of up to 80 single colour or blue and white colour LED units (100 RGB or RGBW).
- Protected from lamp wiring faults.
- DMX data input with standard 1-4 channels per LED unit.
- Optional DMX control byte to place power unit into low power standby.
- DMX record facility with 30 minutes play time.
- Safety option with 230VAC failure detection to switch all LED units on.
- 85-265VAC input.
- Power consumption 250W max.
- Comprehensive self diagnostic system.
- Low Output voltage within SELV limit.
- 100M max cable length.
- Compact unit measuring just 246 x 200 x 75mm.
- Weight 2.4Kg
- Max operating Temperature 40C.

CONDUIT LED UNIT



Comprising an aluminium structure, Conduit LED is an attractive versatile light source. Each unit integrates Single colour, RGB, RGBW or blue / white LEDs. The LEDs are combined with control electronics to form a compact high output light unit which is compatible with metal and plastic 20mm conduit fittings. An optional adjustable eye lid makes the system ideal for stair / floor way lighting.

A blue white option is intended for back stage lighting where the individual control capability greatly simplifies switching backstage non active and stage active areas.



Connecting LED units could not be easier with a simple a two-part screw terminal block and connections for in and out.

The system is not polarity sensitive so cables can connect either way around.

Each LED unit is given an address during commissioning using the infra red hand programmer described below. This is a very simple procedure which takes just a few seconds. An optional adjustable eyelid can be fitted to restrict light to a specific area.

CONDUIT LED UNIT MAIN FEATURES

- Single colour, RGB, RGBW or blue / white.
- Simple two wire system.
- Fuse resistor included to prevent failure of a single unit compromising the whole system.
- Unit address set using infrared hand programmer.
- Two part plug in terminal block for easy wiring / unit replacement.
- Weight without cowl 40g.
- Weight with cowl 48g.



INFRA RED HAND PROGRAMMER

Easy to use tool which communicates to the LED units using a short range infra red link to program or read the LED unit address.

