

# LinkLED™ RGB

## **Product Overview**

LinkLED<sup>tm</sup> RGB is an modular red, green and blue light engine, which enables OEMs to easily construct full colour change applications using LED technology.

With simple plug and socket connections can be used for a wide range of applications including architectural detail lighting and signage.

This simple modular approach is ideal for OEMs a quick and flexible Colour solution, and is supplied ready to use complete with plug and socket connections, thermal adhesive backed PCB for direct assembly to metal surfaces

Colour Change using LED technology creates deep saturated colours with the ability for total control which is impossible with any other light source.





#### **Features**

- Very long operating life in excess of 50,000 hours
- Simple Plug & Socket Connections
- Thermal Adhesive backed PCB
- Red, Green and Blue cluster for full colour lighting applications.
- Optimised thermal management
- Highest Flux LED technology in the world
- Compact low profile design
- No Ultra Violet
- Energy Efficient

# **Typical Applications**

- Signage
- Back lighting
- Decorative effects
- Fibre Optic Light Engines
- Light Pipes
- Cove and Cornice lighting
- Architectural
- Furniture



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Data Sheet - LinkLED RGB Mar03

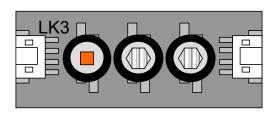




# LinkLED<sup>™</sup> RGB

## **Specifications**

## **Mechanical Dimensions**



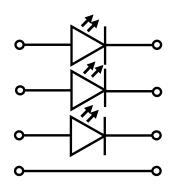
#### Mechanical

Construction : Metal Clad PCB Substrate

Dimensions : 55 x 25 x 8mm
Finish : Black Solder resist
Connections : 4 Way CT Connector



## **Circuit Configuration**



#### **Electrical**

Power consumption max : Red : 1 Watts

: Green : 1.2 Watts : Blue : 1.2 Watts

Maximum current : 350mA

Compatible drivers : Colourdriver 36

## **Environmental**

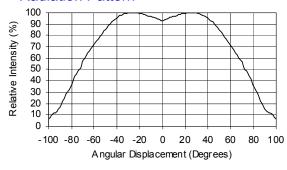
Absolute Maximum PCB temperature : +75°C Recommended Maximum PCB temperature : +55 ° C

Lamp life @ 55°C PCB Temperature : 50,000 hours

Protection : IP00

## **Optical Characteristics**

#### **Radiation Pattern**



#### **Notes**

- •For Full Light output and reliability data consult Luxeon Emitter Data Sheet.
- •The LinkLED requires additional heat-sinking and is supplied with a Thermal tape adhesive for direct attachment to a metal surface.
- Warm White product supplied with Batwing distribution

Typical Lumen maintenance 70% at 50,000 hours. Tj 70°C



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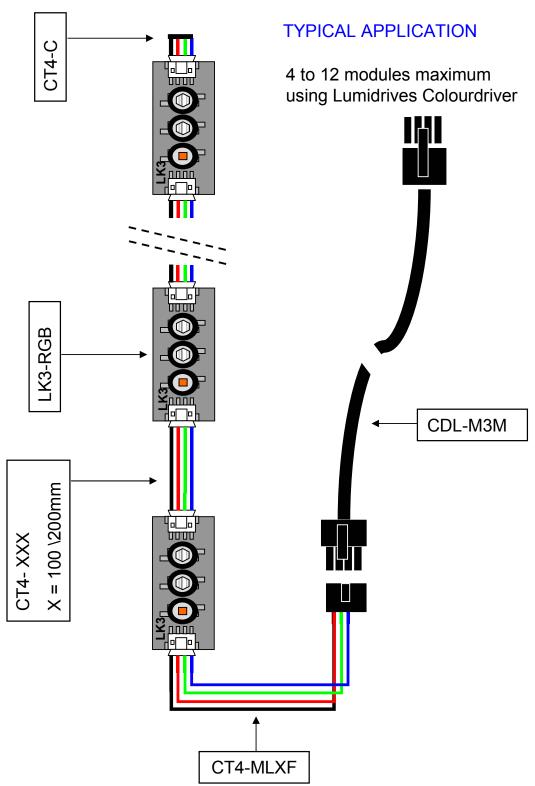
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## **Selection Guide**

Part No Description

LK3-RGB LINKLED Single LED 1 Watt X= Colour

X=	Colour	Colour temp or dominant wavelength	Luminous Flux typical (Lm)
В	Blue	455nm	4
G	Green	530nm	25
R	Red	627nm	44

#### **Accessories**

Part No Description

CT4-100 100mm female to female linking lead CT4-200 200mm female to female linking lead

CT4-MLXF CT4 - Molex Female

CT4-C Common connector for end of series
CDL-M3M Colourdriver 3m male to male lead

LK-HS12 12 module 1.2 meter flexible heat-sink

Other lengths of linking lead available to special order

#### Contact

Lumidrives Ltd Knaresborough North Yorkshire United Kingdom HG5 8LF Tel ++ 44 (0)1423 798 255 Fax ++ 44 (0)1423 798 266 www.Lumidrives.com

For application information and data on our range of suitable drivers, visit www.Lumidrives.com



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