

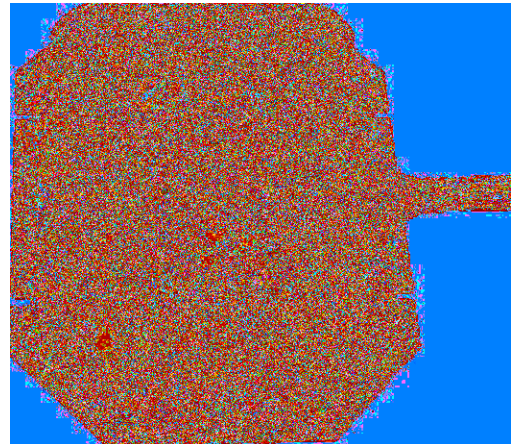
LumiSpot-K2

K2 LED Light Engine

Solid-State RGB and single-colour LED light engines, based on the latest high-power K2 LED technology mounted on high-specification aluminium-backed PCBs. Designed for use with low-voltage, constant-current power supplies.



LumiSpot 32-K2



LumiSpot 12-K2

Features / Benefits

- **Long Life** - LumiSpot K2 light engines offer up to 50,000 hrs. virtually maintenance-free, energy efficient operation.
- **UV / IR Safe** - LumiSpot K2 light engines emit no UV or IR radiation, so is suitable to illuminate light-sensitive materials or products.
- **Thermal Management** - Optimised thermal management is provided with on-board thermistor which will interface with the thermal protection circuit on the Colourdriver.
- **Visual Effect** - LumiSpot K2 light engines provide high colour saturation and brilliance and enable the creation of any colour in the spectrum.
- **Onboard Optics** - LumiSpot K2 light engines come fitted with OPT-K2 optics specifically designed for K2 LEDs.
- **Simple** - LumiSpot K2 light engines supplied with 3 metre cable with 10-way connector at the PCB end and tinned wire ends at the other, which interfaces directly with Colourdriver.

Environmental

Maximum Recommended PCB Temp +80°C
(For lumen maintenance and lifetime characteristics, see Luxeon K2 Datasheet-DS51 - www.lumileds.com)

Applications

- **Architectural Lighting.**
- **Spotlights.**
- **Floodlights.**
- **Accent Lighting.**
- **Colour Washing**
- **Night Clubs, Restaurants and Bars**

Optical

LED Colour	Wavelength/ CCT		Luminous Flux or Radiometric Power (lm or mW)					
			LumiSpot 12			LumiSpot 32		
	Min.	Max.	350mA	700mA	1000mA	350mA	700mA	1000mA
Red	620nm	645nm	108 lm	180 lm	-----	288 lm	480 lm	-----
Green	520nm	550nm	108 lm	180 lm	240 lm	288 lm	480 lm	640 lm
Blue	440nm	460nm	528mW	882 mW	1140 mW	1408mW	2352 mW	3040 mW
White	4500°K	10000°K	108 lm	180 lm	240 lm	288 lm	480 lm	640 lm
Amber	584nm	597nm	108 lm	180 lm	-----	288 lm	480 lm	-----

Light Distribution Curve for K2 Optic

