

LUXEONICS WORLDWIDE

Leading the world in remote control, programmable multi-colour lighting innovations

LUXEONICS™ DigiHalogen (MR16)



Specifications:

Bulb Type: Socket Drop-in Replacement Lamp
Base Type: 2 Pin GX5.3/E14/E27/B22
Light Source: High Power Solid State Luxeon c/w Heatsink
Input Voltage: 12V AC/DC with Reversed Polarity Protection
Input Current: 700mA
Power Consumption: 3W
Typical Light Output: 60 ~ 132 Lumens (Depends on the colour)
Reflector Efficiency: 80%
Reflector Front Diameter: 45mm
Reflector Back Diameter: 10mm
Total Length: 48 mm (including pins)
Estimated Lifespan of Luxeon/LEDs: 100,000 hours
Operation Temperatures: -30° C to 80° C
Fully Dimmable
NO Ultraviolet Radiation
No Heat Radiation in Light Beam

Typical/Specific Applications:

- General Lighting • Beacons • Architectural Highlighting • Casino • Accent Lights • Offshore and Marine
- Recreational and Portable Lighting • Airport • Hard-to-Reach and Hazardous Location

LUXEONICS WORLDWIDE is a pioneer in Solid State Lighting. LUXEONICS™ DigiHalogen is built with Patented Technology and by utilising the latest solid state lighting technologies, we are able to extend the operational life of light source to 100,000 hours (about 22 years for 12 hours usage per day).

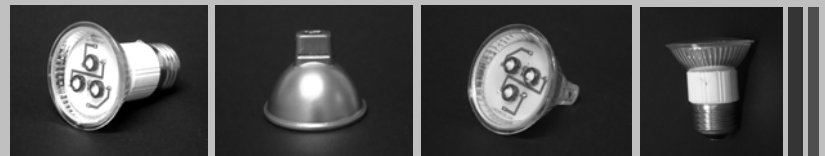
LUXEONICS™ DigiHalogen are designed with sophisticated proprietary temperature and current control circuitry, thereby ensuring the safest and longest operation. A fuse is also incorporated for added safety.

The operating lifetime of LUXEONICS™ DigiHalogen are enhanced by utilising high quality components and materials, coupled with our high technology manufacturing facility, to produce unsurpassed quality to meet the international standards.

LUXEONICS™ DigiHalogen are produced in conformance to criteria set by IEC, CE, UL and EN standards.

To ensure maximum performance of LUXEONICS™ DigiHalogen, use only drivers, power supply units (PSU) and dimming controls with specified voltage and current ratings which are UL or similar approved types.

As LUXEONICS™ DigiHalogen is NOT waterproof, extra precautions must be taken when installing LUXEONICS™ DigiHalogen outdoors in wet environments using mains powered drivers, PSU and dimming controls which must be properly insulated/isolated to avoid electrocution and cannot be used in submersed applications without the proper waterproof housings.



LUXEONICS™ DigiHalogen operating temperatures is from -30 degrees C to 80 degrees C.

LUXEONICS™ DigiHalogen are manufactured to comply with the following safety criteria for CE approbations:

EMC: IEC-EN55015, EN61000, and EN61547

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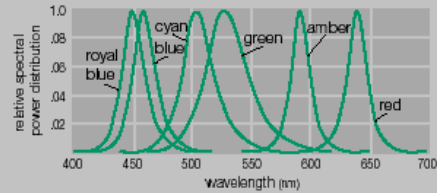
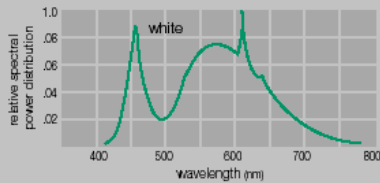
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PHOTMETRIC SPECIFICATIONS FOR LUXEONICS™ DigiHalogen

Luxeon Colour	Blue	Green	Amber	Red	White	Warm White
Dominant Wavelength	455nm	530nm	590nm	625nm	5500K°	2700K°
Total Light Output (Lumens)	15	75	108	132	54	54



Note: The dominant wavelength is the perceived color derived from the CIE1931 chromaticity chart.

ORDERING CODE FOR SOLID STATE (LUXEON/LED) PRODUCT

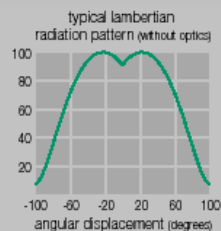
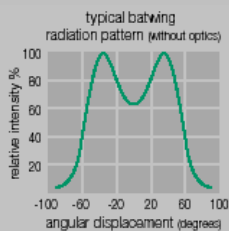
Voltage	Source	Colour	Housing	Base/Interface	Beam Angle
12V-AC/DC	LX-Luxeon	WH-White	MR	11	40
		RD-Red		16	
		GN-Green		E14	
		BL-Blue		E27	
		AM-Amber		B22	

Please refer to the following example for reference:

12V-LX-WH-MR-11-40 = 12V AC/DC Luxeon Source WHITE Colour MR Housing 11 Base 40 degree

12V-LX-RD-MR-16-40 = 12V AC/DC Luxeon Source RED Colour MR Housing 16 Base 40 degree

12V-LX-BL-MR-E27-40= 12V AC/DC Luxeon Source BLUE Colour MR Housing E27 Base 40 degree



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