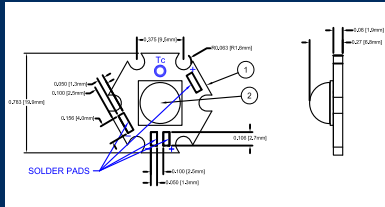


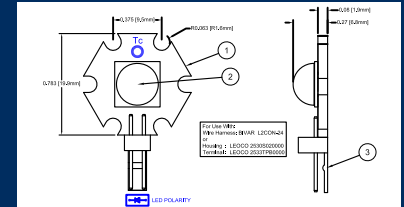
L2 Starboard Light Engines

Featuring CREE XLamp XT-G Dice Design

L2-TG STARBOARD



L2-TG STARBOARD WITH CONNECTOR



The L2 Series is optimized for high output, high CRI, and lighting uniformity, making it ideal for directional lighting applications. It delivers light with consistent CCT, in a highly efficient package that enables true halogen performance in a thermally constrained design. The products in this series provide the lighting industry with efficient and environmentally-friendly LED lighting.

FEATURES

- Typical Luminous Output: 130 ~ 141 Lumens at 200mA and 148 ~160 Lumens at 350mA.
- Unique Tc (case temperature test point) for maximum current drive and temperature control.
- Optional pin headers allows for quick hook-up and eliminates delicate soldering process.
- Low Voltage Input: 5.6VDC.
- 120° Viewing Angle.
- Low Thermal Resistance.
- CCT (Correlated Color Temperature): 3000K / 4000K.
- CRI (Color Rendering Index): 80/80 constant color and high efficiency.

APPLICATIONS

- Indoor Directional Lighting
 - Accent Lighting / Track Lighting / Spot Lights / MR (Multifaceted Reflector)
- Indoor Down Lighting
 - Recessed Lighting / Can Lighting / Retail Display Lighting
- Outdoor Landscape Lighting
 - Path Lighting / Step Lighting
- General Illumination
 - Architectural Lighting / Dental & Medical Lighting / Transportation Lighting / Emergency Lighting / Portable & Personal Lighting
- PAR (Parabolic Aluminized Reflector Lamp)
 - Theater & Concert Lighting / Motion Picture Lighting / Locomotive Lamp / Aircraft Landing Lamp

Table 1: Typical Characteristics without Additional Heat Sink

Part Number	CCT (K)	CRI	Typical Luminous Flux @ If = 200mA, Tc=70C (lm)	Typical Luminous Flux @ If = 350mA, Tc=100C (lm)	Typical DC Forward Current, Vf (V)	Viewing Angle, Axis 1 / Axis2 (°)
L2-TGN1-F	4000	80	141	160	5.2 ~ 5.3	120
L2-TGN1-S	4000	80	141	160	5.2 ~ 5.3	120
L2-TGW1-F	3000	80	130	148	5.2 ~ 5.3	120
L2-TGW1-S	3000	80	130	148	5.2 ~ 5.3	120

Table 2: Absolute Maximum Ratings with Thermal Management

Part Number	CCT (K)	CRI	Typical Luminous Flux @ If = 1000mA, Tc=120C (lm)	Typical Luminous Flux @ If = 2500mA, Tc=60C (lm)	Typical DC Forward Current, Vf (V)	Viewing Angle, Axis 1 / Axis2 (°)
L2-TGN1-F	4000	80	216	660	5.6 ~ 5.9	120
L2-TGN1-S	4000	80	216	660	5.6 ~ 5.9	120
L2-TGW1-F	3000	80	186	566	5.6 ~ 5.9	120
L2-TGW1-S	3000	80	186	566	5.6 ~ 5.9	120

* Please do not drive L2 Starboards at maximum ratings more than 5 seconds without proper Heat Sink / Thermal Management.

** -S = Starboard w/out connector header.

*** -F = Starboard w/connector header.