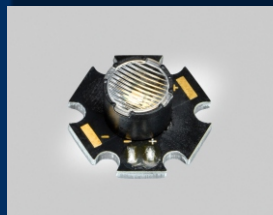
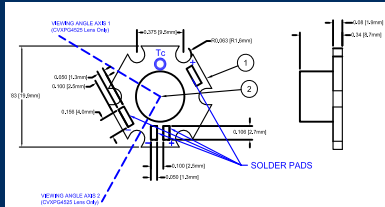


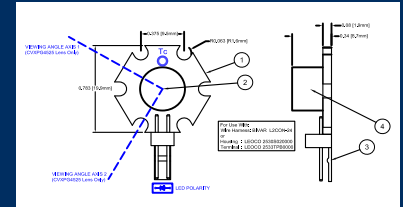
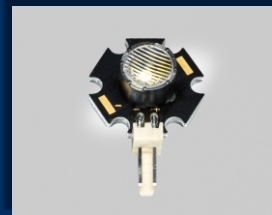
L2 Starboard Light Engines

Featuring CREE XLamp XP-G Dice Design

L2-PG STARBOARD



L2-PG 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

- Luminous Output: 80 ~ 97 Lumens at 350mA and 125 ~ 152 Lumens at 600mA.
- Unique factory Tc (case temperature test point) for max current drive and temperature control.
- Optional pin headers allows for quick hook-up and eliminates delicate soldering process.
- Low Voltage Input: 3VDC.
- 85°, 35°, 45°/25°, Viewing Angles.
- Low Thermal Resistance.
- CCT (Correlated Color Temperature): 3100K / 4100K / 6500K.
- CRI (Color Rendering Index): 80 / 75 / 75.

APPLICATIONS

- Indoor Directional Lighting
 - Accent Lighting / Track Lighting / Spot Lights
- Indoor Commercial Lighting
 - High and Low Bay Lighting (Ex.: Distribution Center / Warehouse)
- Outdoor Roadway and Parking Lighting
 - Tunnel Lighting / Parking Garage / Parking Lot / Street and Road Lighting
- Outdoor Portable Lighting
 - Headlamp Lights / Flash Lights / Bicycle Lights
- Outdoor Solar-Powered Lighting (off-grid)

Table 1: Typical Characteristics without Additional Heat Sink

Part Number	CCT (K)	CRI	Typical Luminous Flux @ If = 350mA, Tc=70C (lm)	Typical Luminous Flux @ If = 600mA, Tc=100C (lm)	Typical DC Forward Current, Vf (V)	Viewing Angle, Axis 1 / Axis2 (°)
L2-PGC1-F	6500	75	97	152	2.9 ~ 3.0	85
L2-PGC1-S	6500	75	97	152	2.9 ~ 3.0	85
L2-PGC2-F	6500	75	97	152	2.9 ~ 3.0	35
L2-PGC2-S	6500	75	97	152	2.9 ~ 3.0	35
L2-PGC3-F	6500	75	97	152	2.9 ~ 3.0	45 / 25
L2-PGC3-S	6500	75	97	152	2.9 ~ 3.0	45 / 25
L2-PGN1-F	4100	75	91	142	2.9 ~ 3.0	85
L2-PGN1-S	4100	75	91	142	2.9 ~ 3.0	85
L2-PGN2-F	4100	75	91	142	2.9 ~ 3.0	35
L2-PGN2-S	4100	75	91	142	2.9 ~ 3.0	35
L2-PGN3-F	4100	75	91	142	2.9 ~ 3.0	45 / 25
L2-PGN3-S	4100	75	91	142	2.9 ~ 3.0	45 / 25
L2-PGW1-F	3100	80	80	125	2.9 ~ 3.0	85
L2-PGW1-S	3100	80	80	125	2.9 ~ 3.0	85
L2-PGW2-F	3100	80	80	125	2.9 ~ 3.0	35
L2-PGW2-S	3100	80	80	125	2.9 ~ 3.0	35
L2-PGW3-F	3100	80	80	125	2.9 ~ 3.0	45 / 25
L2-PGW3-S	3100	80	80	125	2.9 ~ 3.0	45 / 25

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 = 1500mA, Tc=100C (lm)	Typical DC Forward Current, Vf (V)	Viewing Angle, Axis 1 / Axis2 (°)
L2-PGC1-F	6500	75	216	660	3.2 ~ 3.3	85
L2-PGC1-S	6500	75	216	660	3.2 ~ 3.3	85
L2-PGC2-F	6500	75	216	660	3.2 ~ 3.3	35
L2-PGC2-S	6500	75	216	660	3.2 ~ 3.3	35
L2-PGC3-F	6500	75	216	660	3.2 ~ 3.3	45 / 25
L2-PGC3-S	6500	75	216	660	3.2 ~ 3.3	45 / 25
L2-PGN1-F	4100	75	186	566	3.2 ~ 3.3	85
L2-PGN1-S	4100	75	186	566	3.2 ~ 3.3	85
L2-PGN2-F	4100	75	186	566	3.2 ~ 3.3	35
L2-PGN2-S	4100	75	186	566	3.2 ~ 3.3	35
L2-PGN3-F	4100	75	186	566	3.2 ~ 3.3	45 / 25
L2-PGN3-S	4100	75	186	566	3.2 ~ 3.3	45 / 25
L2-PGW1-F	3100	80	155	472	3.2 ~ 3.3	85
L2-PGW1-S	3100	80	155	472	3.2 ~ 3.3	85
L2-PGW2-F	3100	80	155	472	3.2 ~ 3.3	35
L2-PGW2-S	3100	80	155	472	3.2 ~ 3.3	35
L2-PGW3-F	3100	80	155	472	3.2 ~ 3.3	45 / 25
L2-PGW3-S	3100	80	155	472	3.2 ~ 3.3	45 / 25

* 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.