

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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
 - o Accent Lighting / Track Lighting / Spot Lights / MR (Multifaceted Reflector)
- Indoor Down Lighting
 - o Recessed Lighting / Can Lighting / Retail Display Lighting
- Outdoor Landscape Lighting
 - o Path Lighting / Step Lighting
- · General Illumination
 - o Architectural Lighting / Dental & Medical Lighting / Transportation Lighting / Emergency Lighting / Portable & Personal Lighting
- PAR (Parabolic Aluminized Reflector Lamp)
 - o 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 (Im)	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.