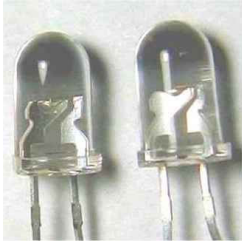
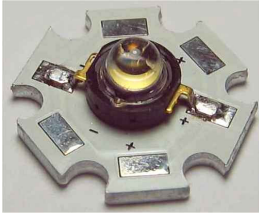


High-Power Visible Light LEDs



Onstate high-power, ultra-bright visible light LEDs are designed specifically for industrial, commercial and professional lighting. Onstate LEDs use large, high-efficiency chips to provide greater brightness, longer life and higher robustness, making it possible to provide better, brighter lighting. It provides a safer alternative to many traditional lighting methods such as halogen, fluorescent and high-pressure mercury/sodium in area illumination applications over its life span. It benefits consumers by reducing power usage and providing cost savings. The LEDs have greater than fifty thousand hours lifespan suitable for intermittent or continuous, long-life, demanding applications.

Applications:

- General lighting
- Professional, accent and landscape lighting
- Residential, industrial, commercial lighting.

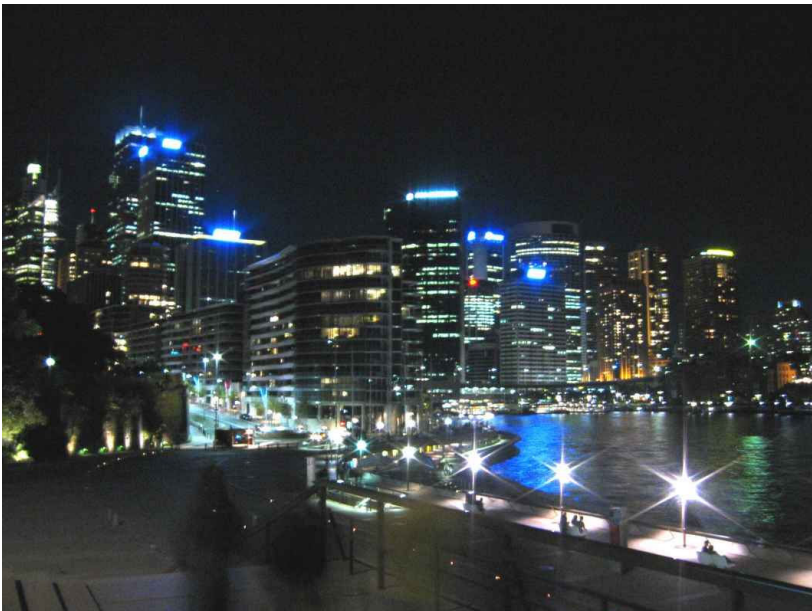
Features:

- Large emitter chips
- Ultra-bright intensity
- Long life, low degradation

Product specifications:

Part Number	Package Type	Colour (CCT K, nm)	Cont. Max. Current (mA)	Beam Angle (deg.)	Typ. Luminous Intensity (lm, cd)
ELE-LEDCWW-1	Star PCB	6000	700	45	155 (700mA)
ELE-LEDWWW-1	Star PCB	3300	700	45	130 (700mA)
ELE-LEDCWF-3	Star PCB	6000	700	120	155 (700mA)
ELE-LEDWWF-3	Star PCB	3300	700	120	130 (700mA)
ELE-LEDCW25-1	5mm, T1 ¼	6000	30	25	16.1 (20mA)
ELE-LEDCW30-1	5mm, T1 ¼	6000	30	30	8.3 (20mA)
ELE-LEDGN30-1	5mm, T1 ¼	Green, 525	30	30	9.8 (20mA)
ELE-LEDBE30-1	5mm, T1 ¼	Blue, 470	30	30	8.7 (20mA)
ELE-LEDRD30-1	5mm, T1 ¼	Red, 625	50	30	5.7 (20mA)

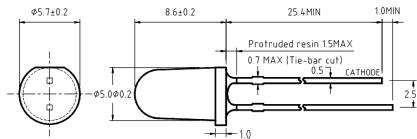
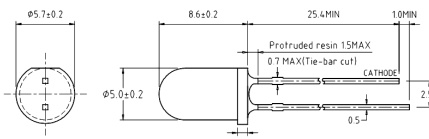
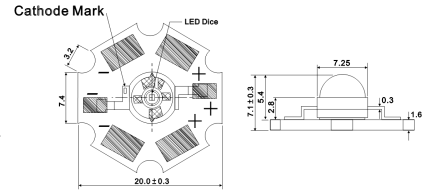
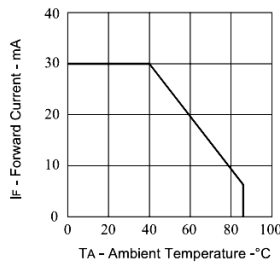
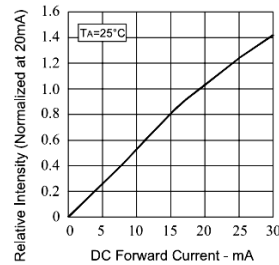
All white, green and blue LEDs are InGaN chip and are 3.2-3.5V typical forward voltage at rated current. Red is AlInGaP and 2.3-2.5V drop. Appropriate LED heatsinking is required for maximum performance and life span. Warm white LED is 2950K to 3650K. Cool white is 5300K to 6700K.



LED CAUTIONS AND SAFETY:

High intensity visible light source. **DO NOT STARE DIRECTLY INTO BEAM.**
DO NOT EXCEED MAXIMUM LED CURRENT.

Proper ESD protection and handling required. Do not expose LEDs to greater than 85°C during normal operation.

Dimensions:

5mm LED 25 degrees

5mm LED 30 degrees

Star 120 degrees
Performance Parameters:
5mm T1 3/4 LEDs.
Forward Current vs. Ambient Temperature

Relative Intensity vs. Forward Current

Star PCB LED.
