

LED 1W



- **Product Description**

Quick Details

Type: High Power LED

Chip Material: InGaN

Emitting Color: Purple Red Blue Green Cyan Yellow White

Luminous Intensity: 365nm-940nm

Luminous Flux(lm): 100lm/w

Optical Attenuation(%): 1

Power: 1W

Power Dissipation: 50000

Viewing Angle(°): 140 Degree

Color Rendering Index(Ra): 85

Color Temperature: 2800-7000k

Operating Temperature(°C): -20 - 200

Storage Temperature(°C): -40 - 120

Place of Origin: Guangdong, China (Mainland)

Wavelength: 365nm-940nm

Voltage: 1.2-3.4V

Warranty: 2 Years

Chip Size: 30mil

Application: Indoor/outdoor Light

Forward Current: 300-350mA

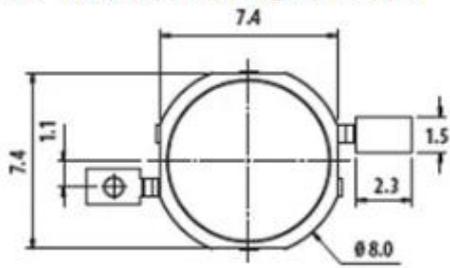
Our advantages

1. Less power consumption: light effects to 75lm/w of the LED power consumption than equivalent incandescent brightness reduced by 80%.
2. Long life: product life of up to 50,000 hours.
3. Nanosecond response time, brightness and color make it easy to dynamically control: enables dynamic color changes and digital control.
4. A large design space: the organic architecture can be realized with the integration to only see the effect of light not seen light.
5. Environmental protection: no toxic metals mercury, no infrared and ultraviolet radiation.
6. Color: different wavelengths produce different colored light, bright saturated, no filter, can control red, green and blue primary colors to form a variety of colors, can realize full-color gradients, and other color effects.

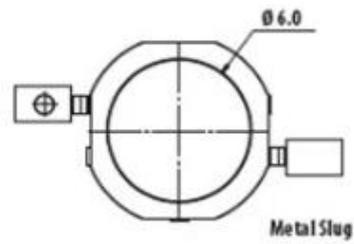
Product Description

Color	WL(nm)/CCT(K)	Lumens(LM)	Chip Size	Chip Brand	Chip Quantity (pcs)	Input volt(V)	Input current (mA)
Purple	365-445 nm	30-60	30mil, 42mil, 45mil	Epileds, Epistar	1	3.0- 3.4	300-600
Red	620-660 nm, 730-740 nm, 940-950 nm, 850 nm	50-90	38mil, 40mil, 42mil	Epileds, Epistar	1	2.0- 2.4	300-600
Blue	445-470 nm	60-120	30mil, 35mil, 45mil	Epistar, Bridgelux, Cree	1	3.0- 3.4	300-600
Green	510-530 nm	80-130	40mil	Epileds	1	3.0- 3.4	300-600
Cyan	495-500 nm	70-90	40mil	Epileds	1	2.0- 2.4	300-600
Yellow	585-595 nm	70-90	38mil, 40mil	Epileds	1	2.0- 2.4	300-600
White	2700-20000 K	100-160	30mil, 35mil, 45mil	Epistar, Bridgelux, Cree	1	3.0- 3.4	300-600

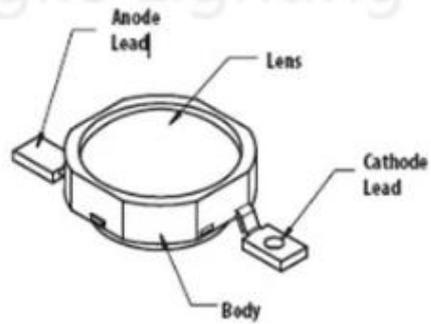
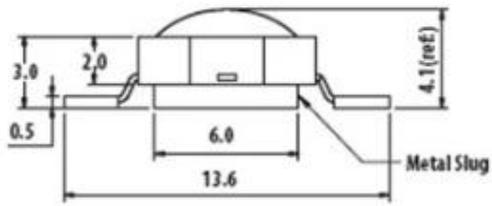
The Structure Design Picture



TOP VIEW



BOTTOM VIEW



Dongguan Hongke Lighting