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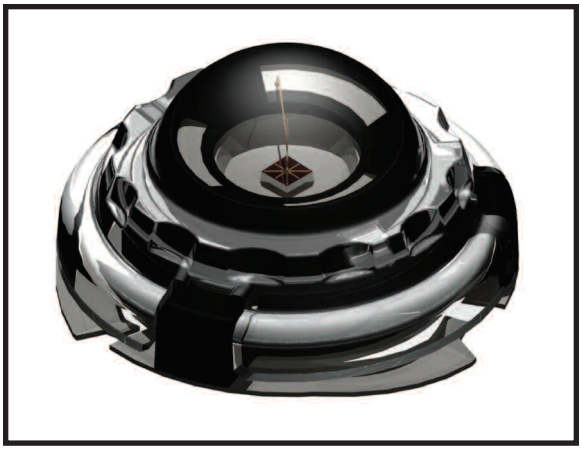

9900-1201-37

White Power LED

Screw thread design

Lambertian radiation pattern

RoHS

Typical Device Characteristics @ 350mA

Luminous Flux	**52 lumens**
Dominant Wavelength	**5500 K**
Forward Voltage	**3.50 V**
Viewing Angle	**110°**

Product Features

- Solder-Free mechanical attachment for easy installation and replacement
- Annular contact arrangement eliminates need for radial alignment
- Excellent thermal coupling to lighting system
- Large LED chip allows high drive current
- Outstanding light output
- Wide viewing angle
- UV resistant cover lens
- RoHS Compliant

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Device Characteristics

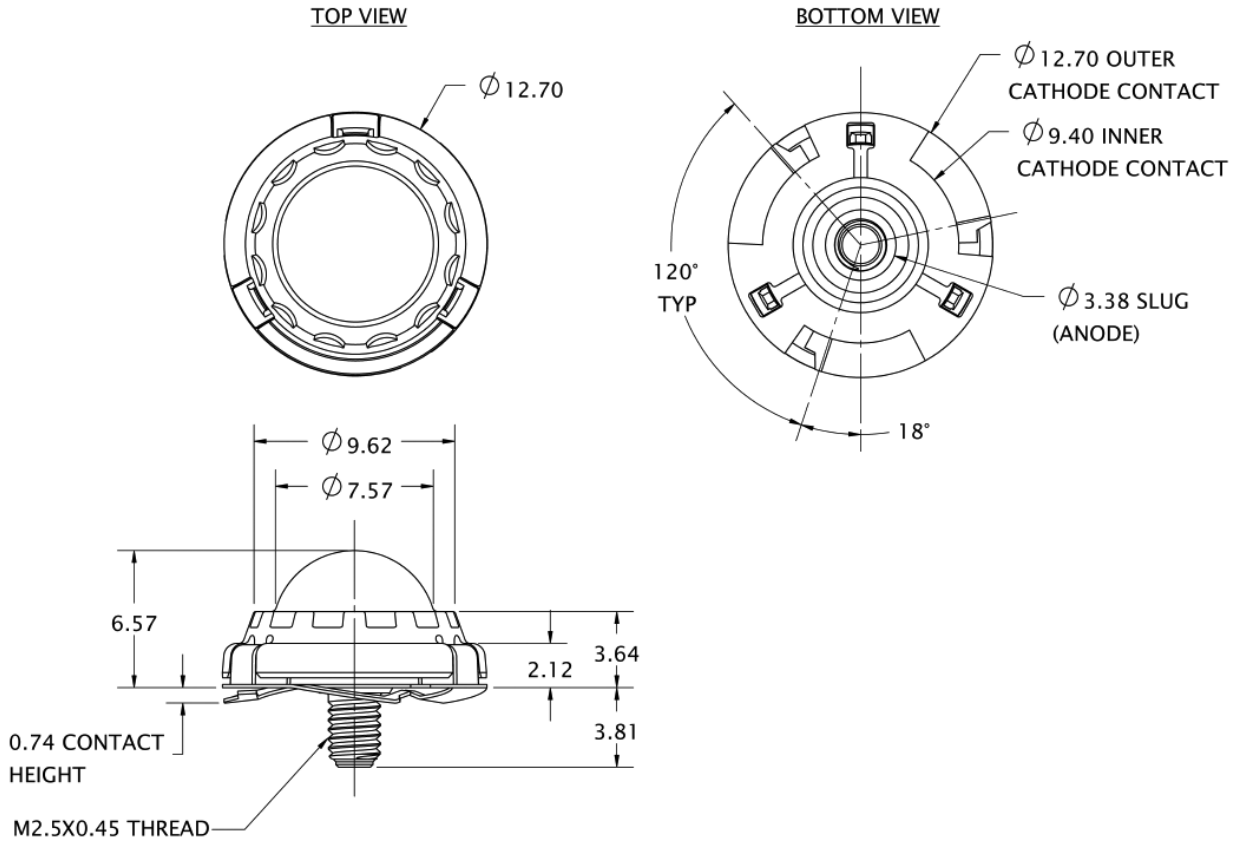
Forward Current = 350mA, Junction Temperature, T_J = 25°C

	Minimum	Typical	Maximum
Luminous Flux (ϕv)		52 lm	
Dominant Wavelength (λ_D)	4500 K	5500 K	10000 K
Peak Wavelength (λ_P)		x=0.33, y=0.33	
Spectral Half-Width ($\Delta\lambda^{1}/_{2}$)		70	
Viewing Angle ($20^{1}/_{2}$)		110°	
Forward Voltage (V_F)	3.00 V	3.50 V	4.10 V
Dynamic Resistance (R_D)		1.3 Ω	
Thermal Resistance ($R\Theta_{J\text{-}C}$)		10°C/W	

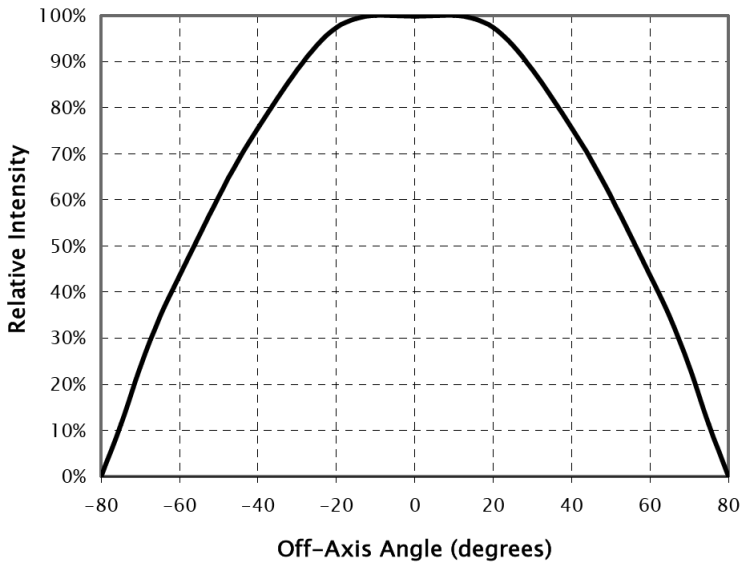
Absolute Maximum Ratings

DC Forward Current	350 mA
Peak Pulsed Forward Current	500 A
Maximum Pulse Duty Cycle	50%
Maximum Pulse Duration	10 ms
Reverse Voltage	> 5 V
LED Junction Temperature	125°C
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C

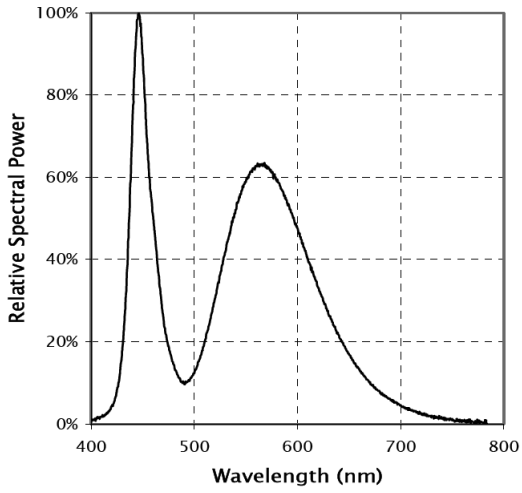
Mechanical Dimensions



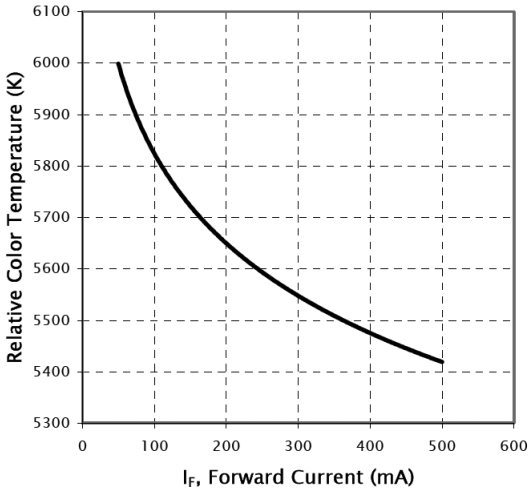
Spatial Distribution Pattern



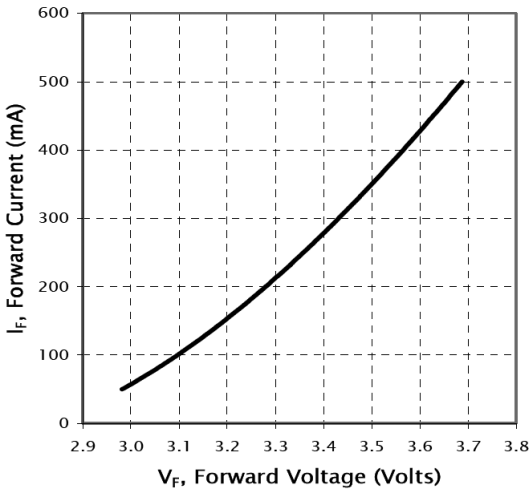
Spectral Power Distribution



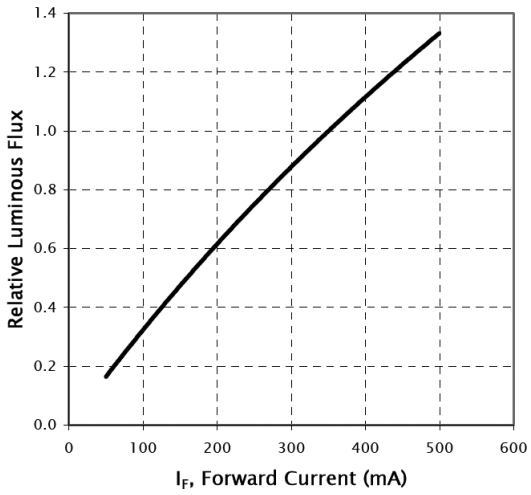
Wavelength vs. Forward Current



Forward Voltage vs. Forward Current



Luminous Flux vs. Forward Current



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