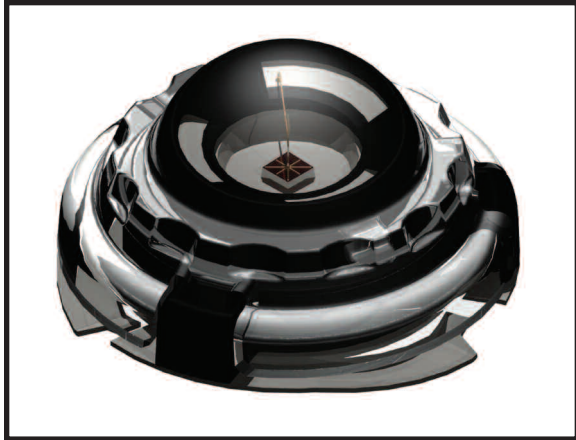




...the power is in the package



## 9900-1201-77

**Green Power LED**

**Screw thread design**

**Lambertian radiation pattern**



### Typical Device Characteristics @ 350mA

<b>Luminous Flux</b>	<b>50 lumens</b>
<b>Dominant Wavelength</b>	<b>525 K</b>
<b>Forward Voltage</b>	<b>3.50 V</b>
<b>Viewing Angle</b>	<b>120°</b>

### 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

## Device Characteristics

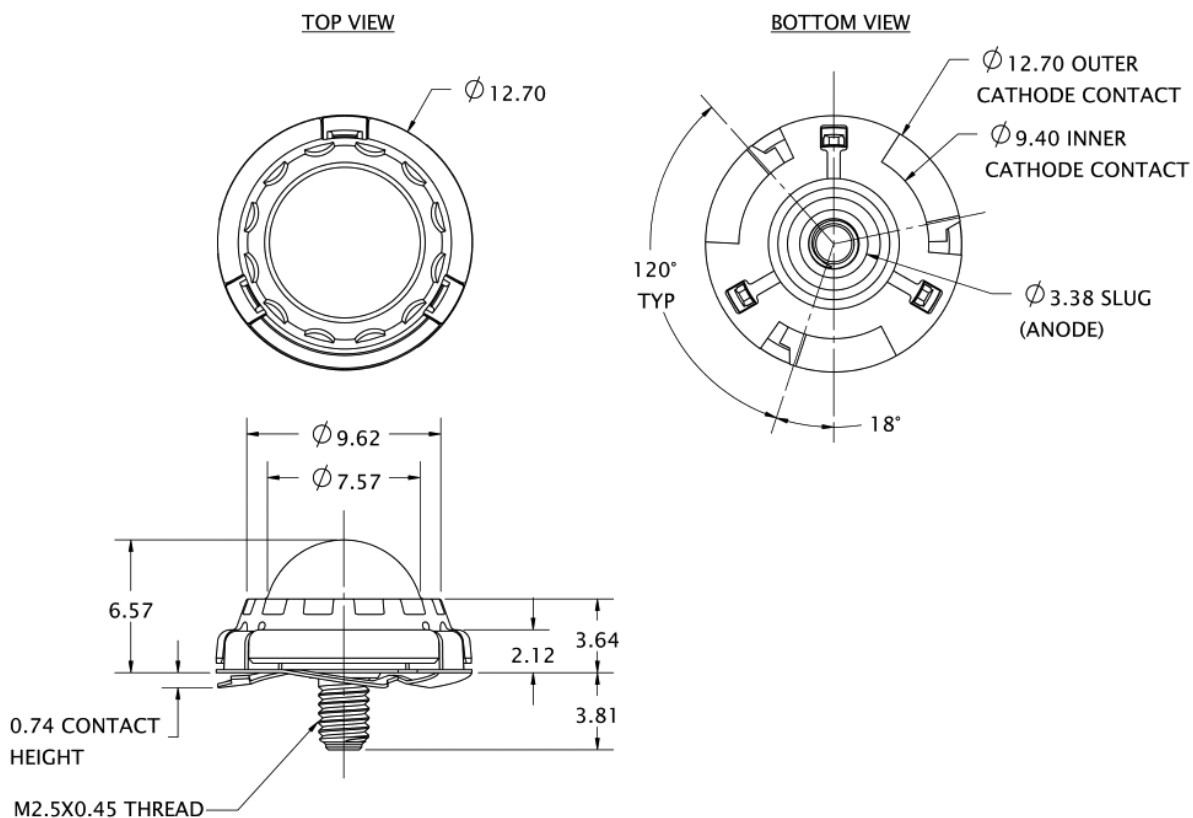
Forward Current = 350mA, Junction Temperature,  $T_j = 25^\circ\text{C}$

	Minimum	Typical	Maximum
Luminous Flux ( $\phi_v$ )	35 lm	50 lm	
Dominant Wavelength ( $\lambda_D$ )	515 nm	525 nm	540 nm
Peak Wavelength ( $\lambda_p$ )		519 nm	
Spectral Half-Width ( $\Delta\lambda^{1/2}$ )		39 nm	
Viewing Angle ( $2\theta^{1/2}$ )		120°	
Forward Voltage ( $V_f$ )	3.00 V	3.50 V	4.10 V
Dynamic Resistance ( $R_D$ )		1.3 $\Omega$	
Thermal Resistance ( $R\theta_{j-c}$ )		10°C/W	

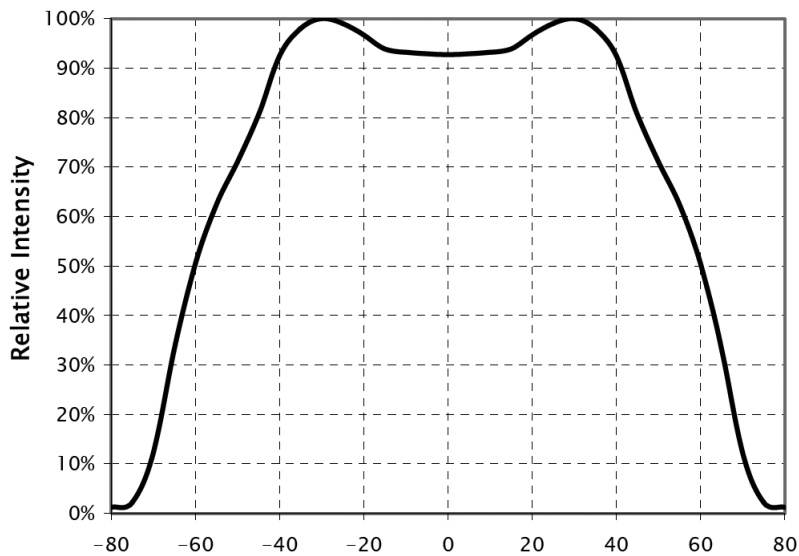
## Absolute Maximum Ratings

DC Forward Current	350 mA
Peak Pulsed Forward Current	500 mA
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

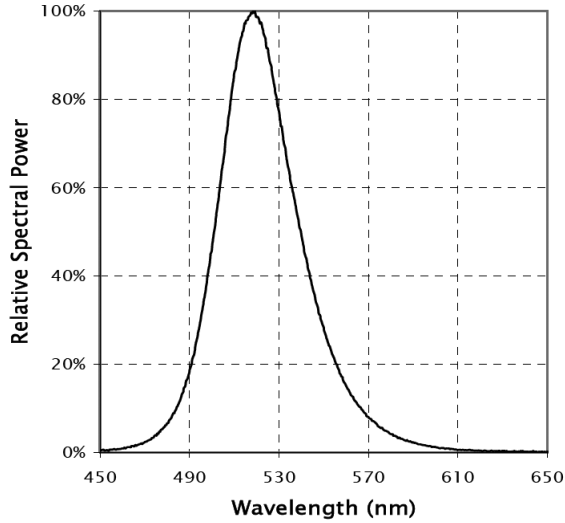
# Mechanical Dimensions



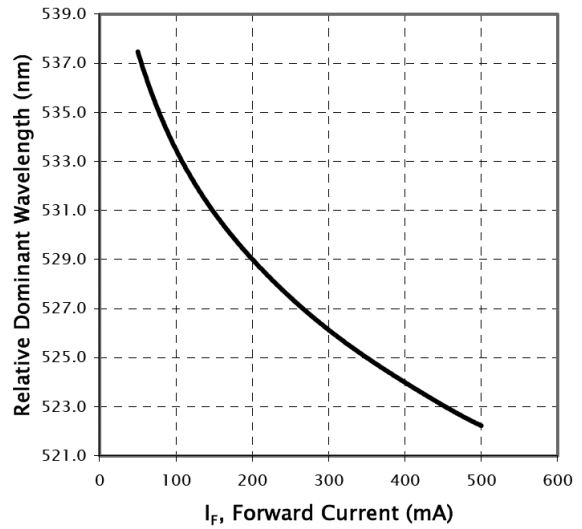
# Spatial Distribution Pattern



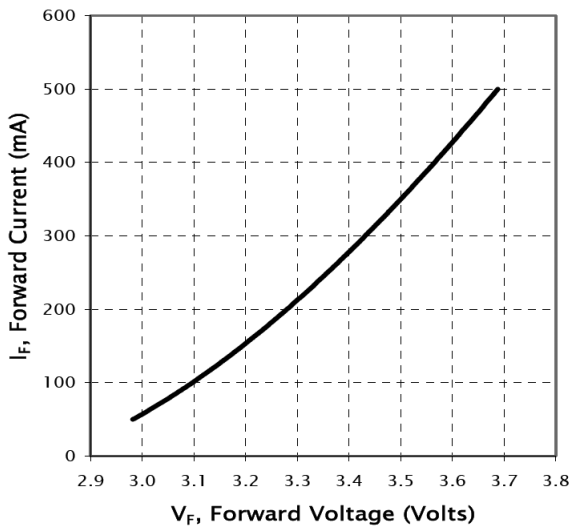
### Spectral Power Distribution



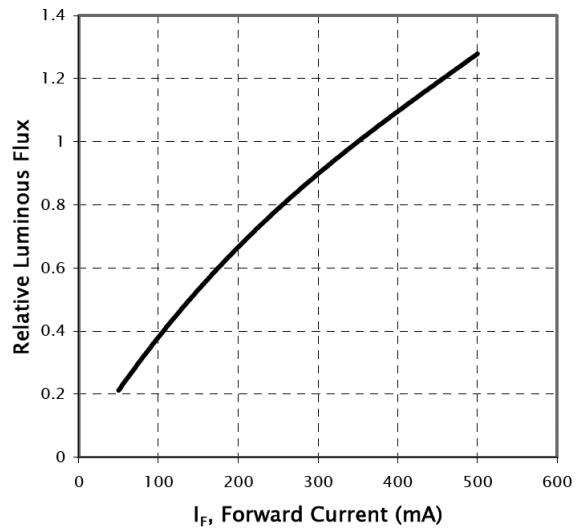
### Wavelength vs. Forward Current



### Forward Voltage vs. Forward Current



### Luminous Flux vs. Forward Current



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