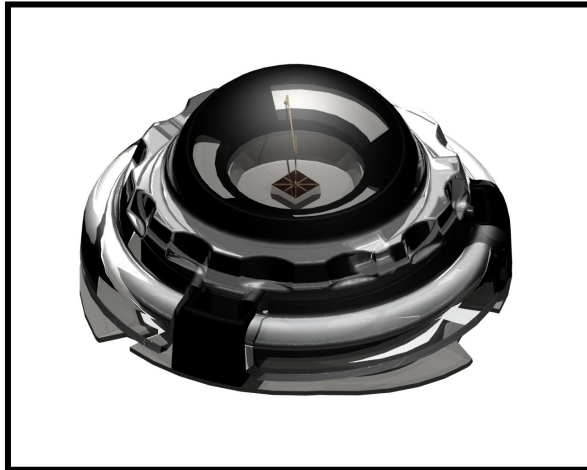




...the power is in the package



9900-1201-23

Amber Power LED

Screw thread design

Typical Device Characteristics @ 350mA

Luminous Flux	75 lumens
Dominant Wavelength	590 nm
Forward Voltage	2.30 V
Viewing Angle	130°

Product Features

- 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 higher drive current
- Outstanding light output
- Wide viewing angle
- UV resistant cover lens

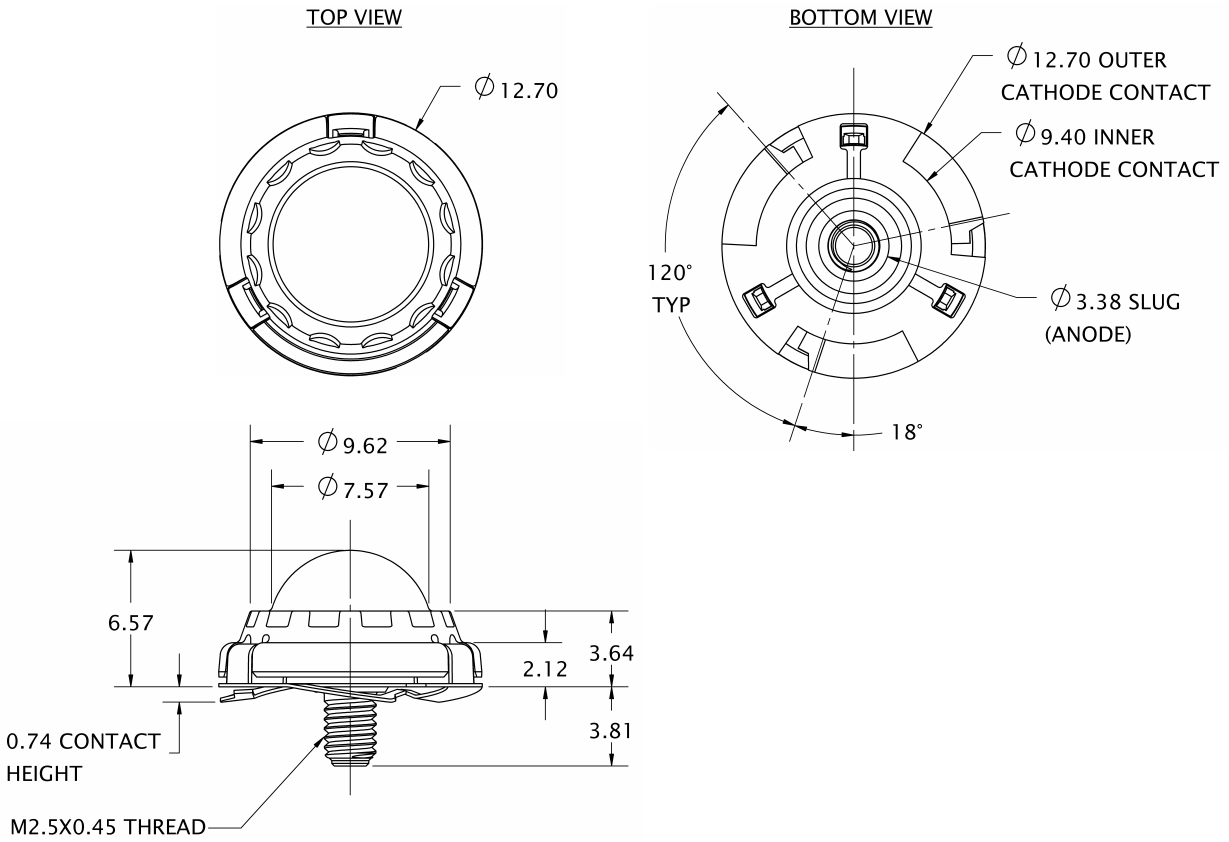
Device Characteristics
 Forward Current = 750mA, Junction Temperature, $T_j = 25^\circ\text{C}$

	Min	Typical	Max
Luminous Flux	50.0 lm	75.0 lm	
Dominant Wavelength	583 nm	590 nm	597 nm
Peak Wavelength		637 nm	
Spectral Half-Width		18 nm	
Viewing Angle (2 θ 50%)		130°	
Forward Voltage, VF	2.00V	2.30V	3.00V
Dynamic Resistance		0.7 ohms	
Thermal Resistance (Junction to Case)		10 °C/W	

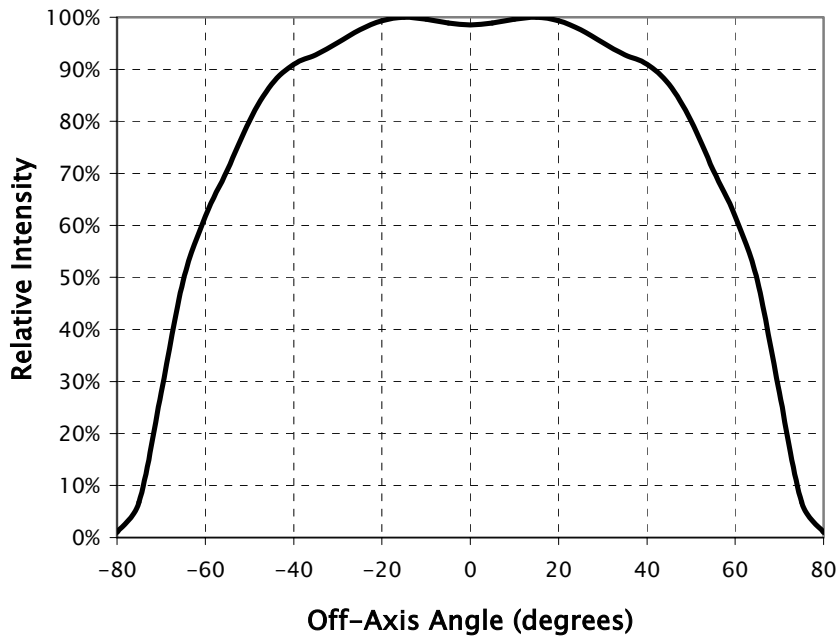
Absolute Maximum Ratings

DC Forward Current	750 mA
Peak Pulsed Forward Current	1000 mA
Maximum Pulse Duty Cycle	50%
Maximum Pulse Duration	10 ms
Reverse Voltage	> 5V
LED Junction Temperature	100°C
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C

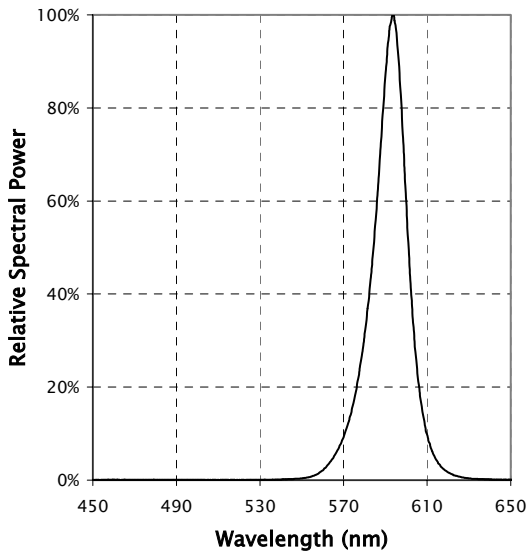
Mechanical Dimensions



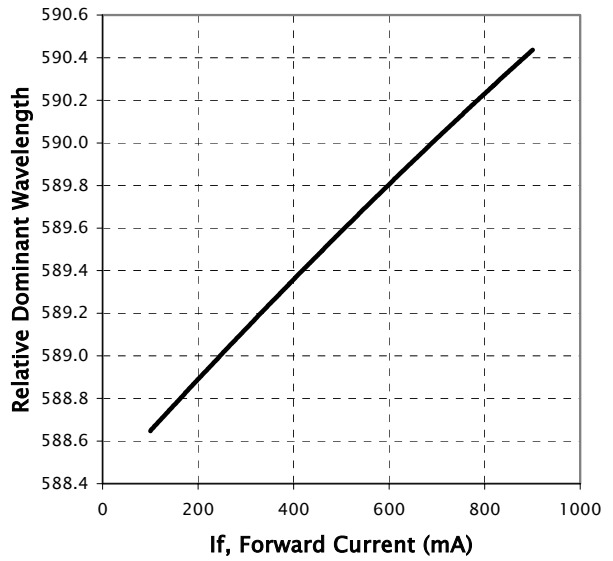
Spatial Distribution Pattern



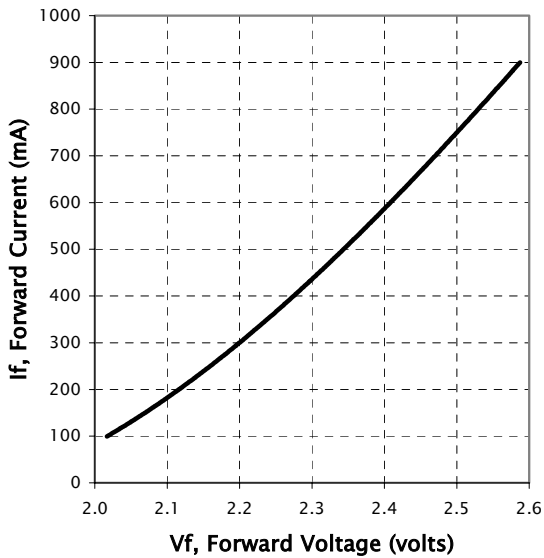
Spectral Power Distribution



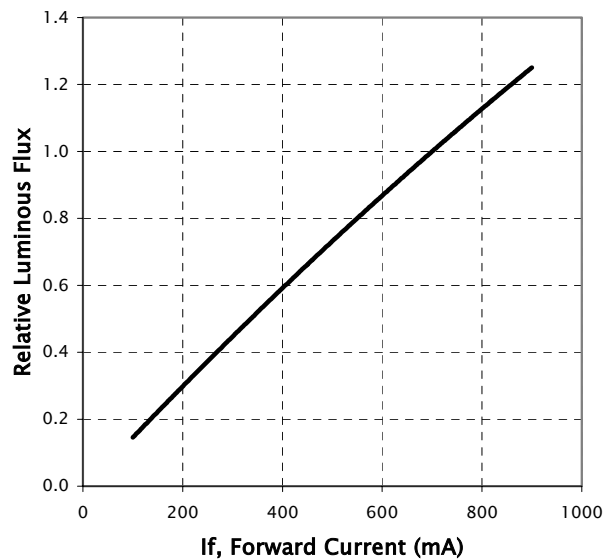
Wavelength vs. Forward Current



Forward Voltage vs. Forward Current



Luminous Flux vs. Forward Current



A product of Weldon Technologies, Inc. • 3656 Paragon Drive • Columbus, Ohio 43228 USA

800.989.2718 • 614.529.7230 • FAX 614.527.3547 • <http://www.v-led.com>

Literature not to be distributed, duplicated or copied without the express written permission from Weldon Technologies.