



**Product Data Sheet**

**LED Lamp ultra violet**

**EOLD-385-535**

Rev. 01 aus 2011

Radiation	Type	Case
ultra violet	InGaN/SiC	5mm plastic lens

	<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>All dimensions are in millimeter</li> <li>Lead spacing is measured where the lead emerge from the package</li> </ol>	<p><b>Description:</b></p> <p>Super bright LED lamp, round type, 5mm diameter, lens color: Water Clear with flange, housing without standoff leads, complaint with RoHS</p>
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**Maximum Ratings**

T<sub>amb</sub> = 25°C, unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Forward Current		I <sub>F</sub>	30	mA
Peak forward current	(1/10 Duty Cycle @1KHz)	I <sub>FM</sub>	100	mA
Power dissipation		P <sub>D</sub>	120	mW
Operating temp. range		T <sub>amb</sub>	-40 to +85	°C
Storage temp. range		T <sub>stg</sub>	-40 to +100	°C
Lead soldering temp.	t < 5s, 3mm from case	T <sub>slg</sub>	260	°C

**Optical and Electrical Characteristics**

T<sub>amb</sub> = 25°C, unless otherwise specified

Parameter	Symbol	Conditions	Min	typ	max	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 20mA		3.2	3.8	V
Reverse voltage	V <sub>R</sub>	I <sub>R</sub> = 10µA	5			V
Luminous intensity	I <sub>v</sub>	I <sub>F</sub> = 20mA	15	23		mcd
Peak wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20mA	380	385	390	nm
Dominant Wavelength	λ <sub>D</sub>	I <sub>F</sub> = 20mA	390	400	410	nm
Spectral bandwidth at 50%	Δλ <sub>0,5</sub>	I <sub>F</sub> = 20mA		30		nm
Viewing angle	φ	I <sub>F</sub> = 20mA		30		deg.

Tolerance of Viewing Angle: -10/+5deg.



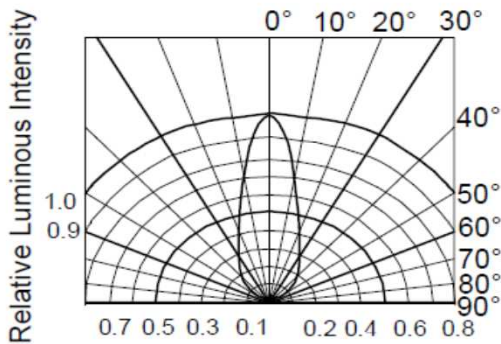
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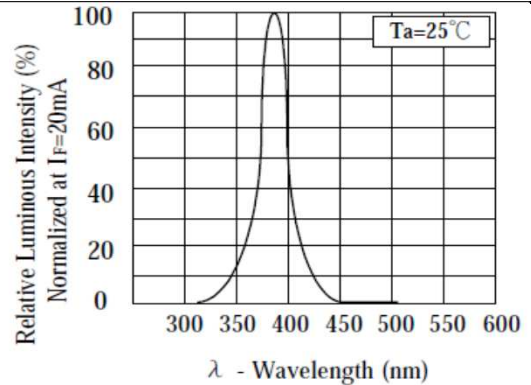
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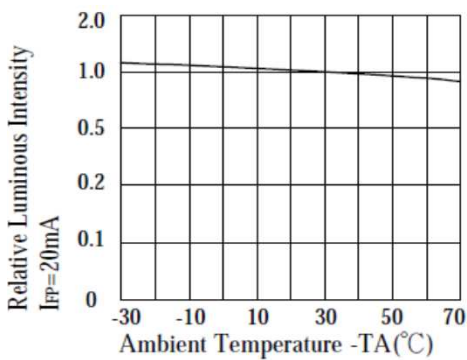
Typical optical-electrical characteristic curves	page 2/2
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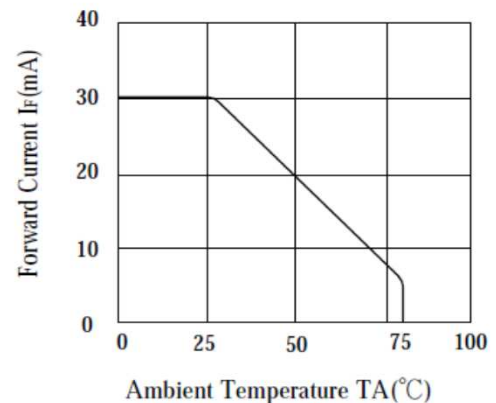
**RADIATION DIAGRAM**



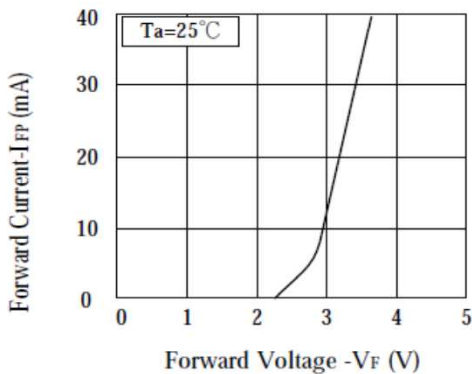
**RELATIVE LUMINOUS INTENSITY Vs. WAVELENGTH**



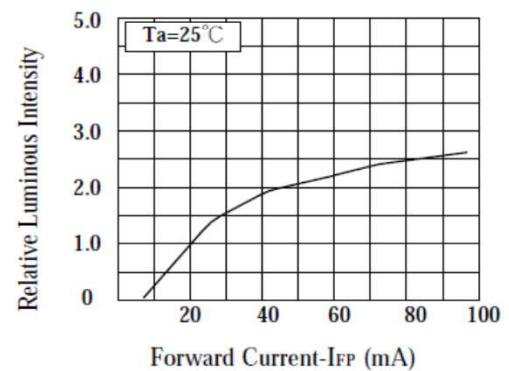
**LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE**



**MAX FORWARD CURRENT Vs. AMBIENT TEMPERATURE**



**FORWARD CURRENT Vs. FORWARD VOLTAGE**



**LUMINOUS INTENSITY Vs. FORWARD CURRENT**