

# OSA Opto Light GmbH

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## Product Data Sheet

### LED Lamp UV

EOLD-365-525

Rev. 01 aus 2011

Radiation	Type	Case
Ultra violet	resin mold packaged	5mm plastic lens

	<b>Description:</b>  Dimension in mm High power, high-speed, narrow beam angle, high reliability
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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>	25	mA
Peak forward current	(d. c. < 1/10, p. width < 0.1msec)	I <sub>FM</sub>	100	mA
Reverse current	V <sub>R</sub> = 5V	I <sub>R</sub>	85	mA
Power dissipation		P <sub>D</sub>	100	mW
Operating temp. range		T <sub>amb</sub>	-30 to +80	°C
Storage temp. range		T <sub>stg</sub>	-30 to +85	°C
Lead soldering temp.	< 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	3.0	3.6	4.2	V
Radiant Power	Φ <sub>e</sub>	I <sub>F</sub> = 20mA		6		mW
Peak wavelength	λ <sub>p</sub>	I <sub>F</sub> = 20mA	363		370	nm
Viewing angle	φ	I <sub>F</sub> = 20mA		15		deg.
Spectral bandwidth at 50%	Δλ <sub>0,5</sub>	I <sub>F</sub> = 20mA		15		nm



We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.