

# EPIGAP Optronik GmbH

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## Data sheet

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### Green LED

### EOLD-525-333

Rev. 02, 2017

Radiation	Type	Case
Green	InGaN	3 mm water clear plastic lens

Description:	
<p>All dimensions in mm</p>	<ul style="list-style-type: none"> <li>- Super bright LED</li> <li>- Emitted color: green</li> <li>- Without stand-off</li> </ul> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> </div> <div style="text-align: center;"> </div> </div>

### Maximum Ratings

$T_{amb} = 25^{\circ}\text{C}$ , unless otherwise specified

Parameter	Test Conditions	Symbol	Value	Unit
Power dissipation		$P_D$	120	mW
Continuous forward current		$I_F$	30	mA
Peak forward current	1/10 duty cycle @ 1 kHz	$I_{FP}$	100	mA
Reverse voltage		$V_R$	5	V
Reverse current	$V_R = 5\text{ V}$	$I_R$	10	$\mu\text{A}$
Operating temperature range		$T_{amb}$	-40 to +85	$^{\circ}\text{C}$
Storage temperature range		$T_{stg}$	-40 to +85	$^{\circ}\text{C}$
Lead soldering temperature	$t = 3\text{ s}$ , 1.6 mm from case	$T_{slg}$	260	$^{\circ}\text{C}$

### Optical and Electrical Characteristics

$T_{amb} = 25^{\circ}\text{C}$ , unless otherwise specified

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 20\text{ mA}$		3.2	3.8	V
Peak wavelength	$\lambda_p$	$I_F = 20\text{ mA}$		520		nm
Dominant wavelength	$\lambda_D$	$I_F = 20\text{ mA}$		525		nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 20\text{ mA}$		30		nm
Viewing angle	$\varphi$	$I_F = 20\text{ mA}$		30		deg.
Luminous intensity	$I_V$	$I_F = 20\text{ mA}$	9300	14000		mcd

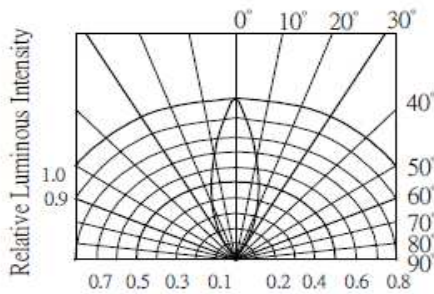
We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.

**Data sheet**

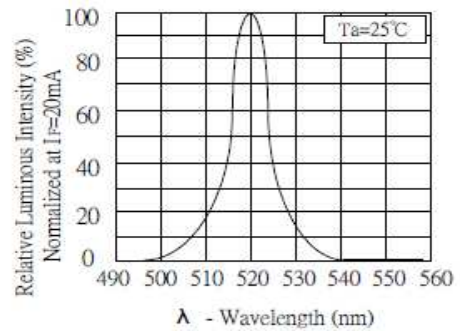
**Green LED**

**EOLD-525-333**

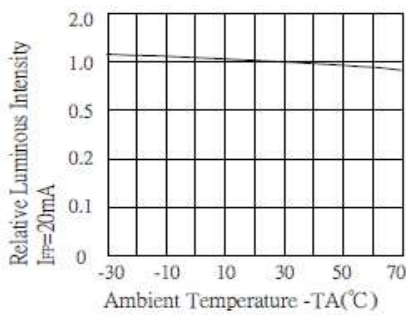
**TYPICAL OPTICAL-ELECTRICAL CHARACTERISTIC CURVES**



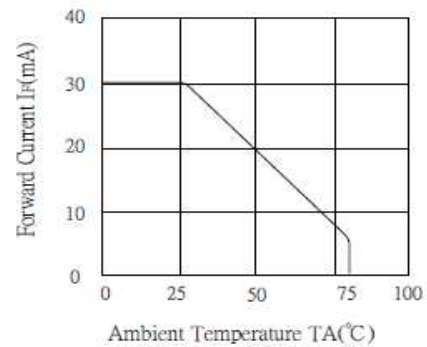
**RADIATION DIAGRAM**



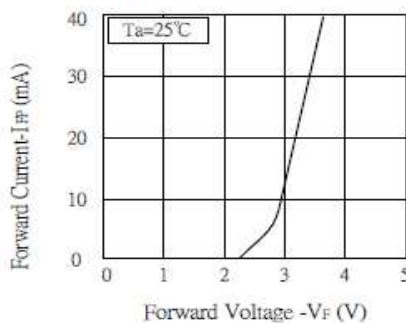
**RELATIVE LUMINOUS INTENSITY Vs. WAVELENGTH**



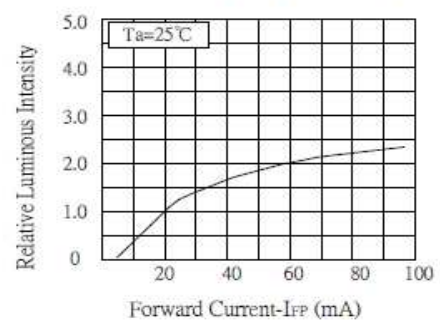
**LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE**



**MAX FORWARD CURRENT Vs. AMBIENT TEMPERATURE**



**FORWARD CURRENT Vs. FORWARD VOLTAGE**



**LUMINOUS INTENSITY Vs. FORWARD CURRENT**

Art. No. 131 034



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