

# EPIGAP Optronik GmbH

Koepenicker Str. 325  
 D-12555 Berlin  
 Fon: +49 (0)30 657637 60  
 Fax: +49 (0)30 657637 70  
 sales@epigap-optronic.de



## Data sheet

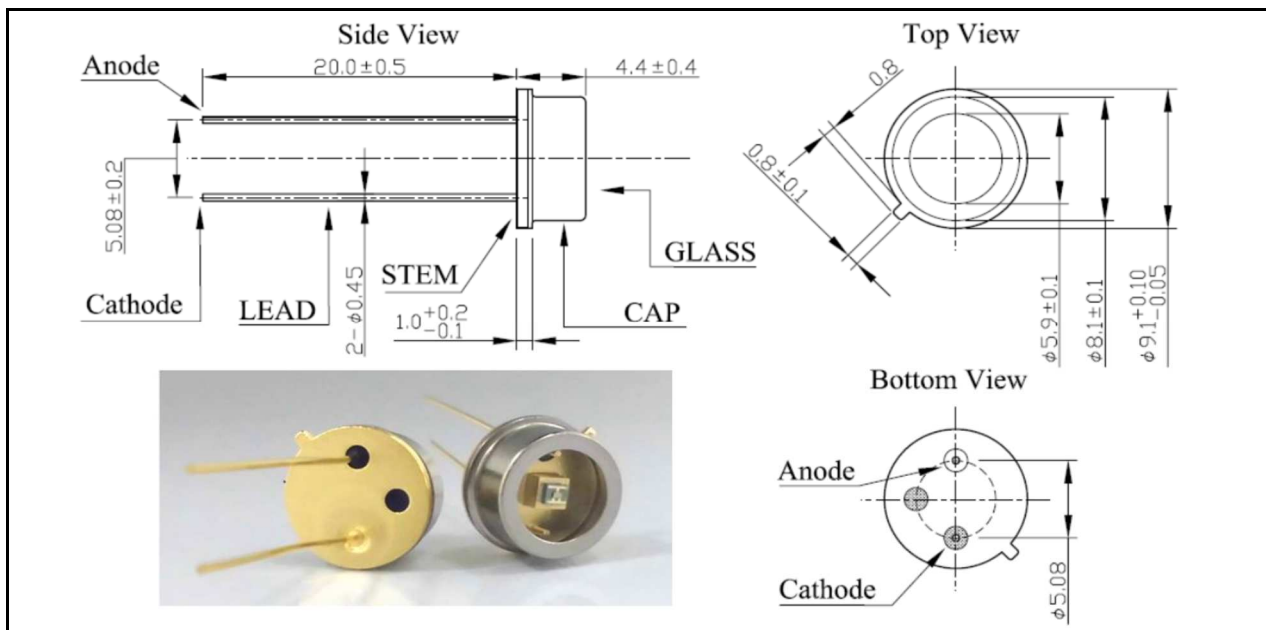
page 1 of 3

### UV LED

### EOLD-310-093-1

Rev. 02, 2020

Radiation	Type	Case
Ultraviolet (UVB)	AlGaIn	metal TO-39 with flat window



All dimensions in mm



### Maximum Ratings

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

Parameter	Test Conditions	Symbol	Value	Unit
Forward current		$I_F$	40	mA
Operating temperature range		$T_{amb}$	-30 to +80	$^{\circ}\text{C}$
Storage temperature range		$T_{stg}$	-40 to +100	$^{\circ}\text{C}$
Flow soldering temperature	< 5 s	$T_{slg}$	250	$^{\circ}\text{C}$
Manual soldering temperature	< 3 s	$T_{slg}$	350	$^{\circ}\text{C}$

### Optical and Electrical Characteristics

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_F$	$I_F = 20 \text{ mA}$		5		V
Radiant power	$\Phi_e$	$I_F = 20 \text{ mA}$		1.5		mW
Peak wavelength	$\lambda_p$	$I_F = 20 \text{ mA}$	305	310	315	nm
FWHM	$\Delta\lambda_{0.5}$	$I_F = 20 \text{ mA}$		15		nm
Viewing angle	$\varphi$	$I_F = 20 \text{ mA}$		$\pm 57$		deg.

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.

# EPIGAP Optronik GmbH

Koepenicker Str. 325  
D-12555 Berlin  
Fon: +49 (0)30 657637 60  
Fax: +49 (0)30 657637 70  
sales@epigap-optronic.de



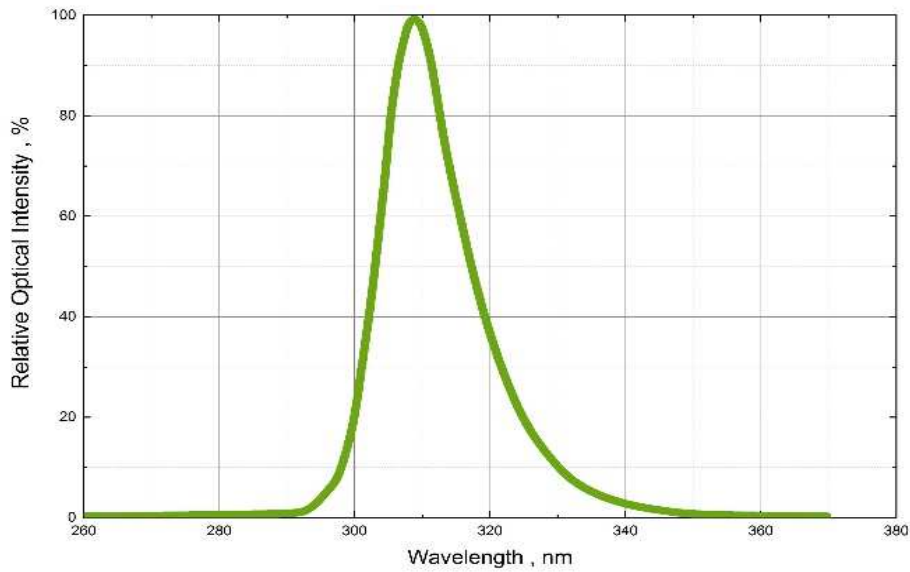
## Data sheet

page 2 of 3

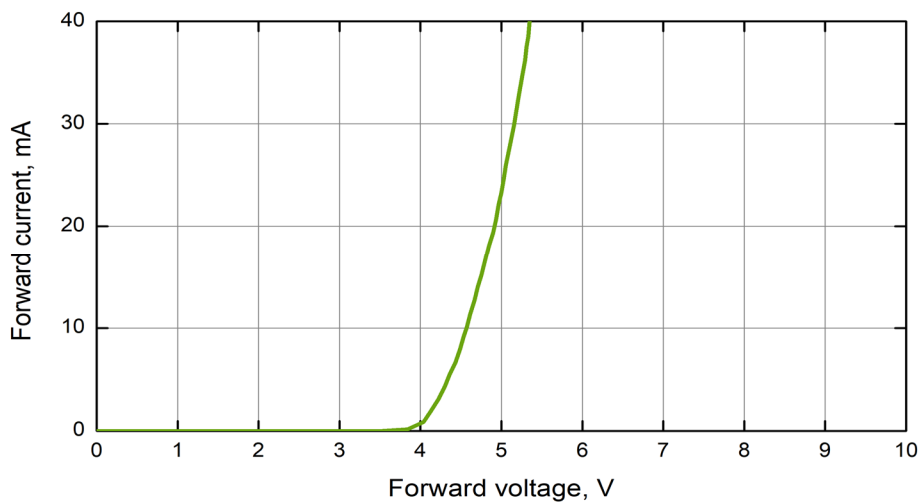
### UV LED

### EOLD-310-093-1

Rev. 02, 2020



Spectrum @ 20 mA



Forward current vs. forward voltage



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.

# EPIGAP Optronic GmbH

Koepenicker Str. 325  
D-12555 Berlin  
Fon: +49 (0)30 657637 60  
Fax: +49 (0)30 657637 70  
sales@epigap-optronic.de



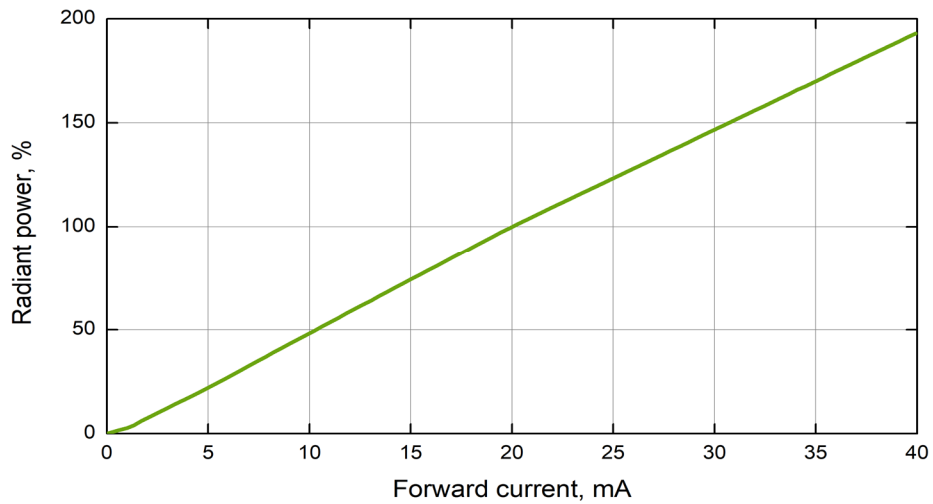
## Data sheet

page 3 of 3

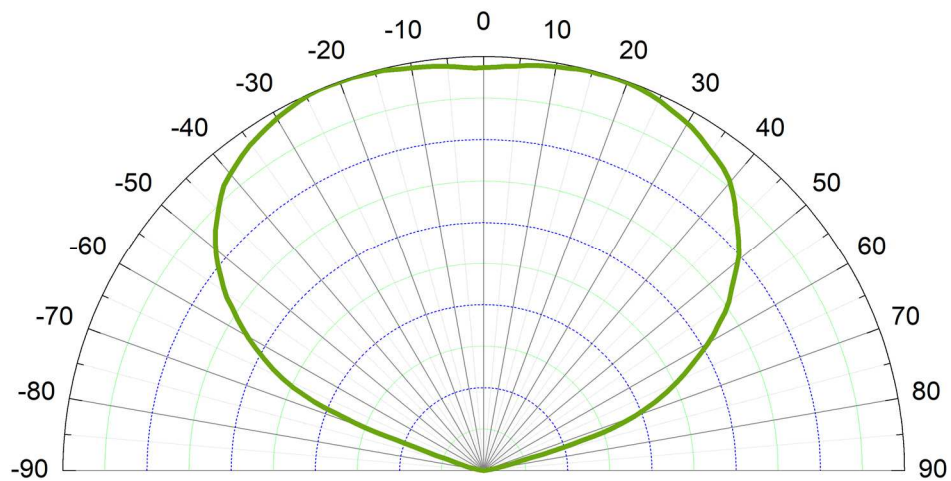
### UV LED

### EOLD-310-093-1

Rev. 02, 2020



Radiant power vs. forward current



Radiation pattern

Art. No. 134 012



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.