

## G2-LAURA-RS-P

~8° spot beam. Assembly with thinner white holder, installation tape and location pins.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	5.9 kg
Quantity in Box	pcs
ROHS compliant	yes 🛈

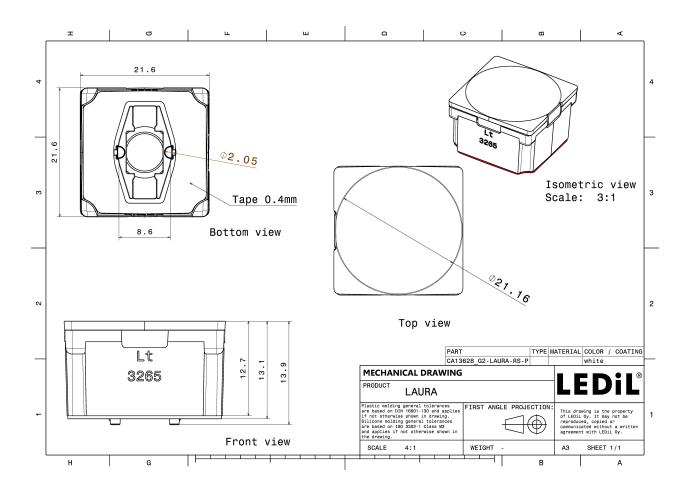


#### **MATERIAL SPECIFICATIONS:**

Component	Туре
LAURA-RS	Single
LAURA-LT-PIN-XP-HLD-WHT	Holder
ROSE-TAPE	Tape

**Type** Bingle lens Holder Tape Material PMMA PC PU tape

Colour clear





### PHOTOMETRIC DATA (MEASURED):

CREE ¢ LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XB-H 11.0° 91 % 20.500 cd/lm 1 White	21° 00 12° 25° 21° 00 12° 25° 21° 00 00 00 00 00 00 00 00 00 00 00 00 00
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-E 8.0° 93 % 33.200 cd/lm 1 White	 
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-E2 8.0° 91 % 41.400 cd/lm 1 White	20 0 0 0 0 0 0 0 0 0 0 0 0 0
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	XP-L HD 16.0° 90 % 10.320 cd/lm 1 White	5° 600 5° 600 5° 600 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°

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### PHOTOMETRIC DATA (MEASURED):

CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XQ-E HI 5.0° 94 % 65.300 cd/lm 1 White	30 12 0 0 12 0 12 0 10 10 10 10 10 10 10 10 10 10 10 10 1
When the second	LUXEON 3030 2D (Round LES) 9.0° 92 % 22.700 cd/lm 1 White	
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	LUXEON TX 11.0° 90 % 20.000 cd/lm 1 White	30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>5</sup>
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	White	25° ¢° 15°

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## PHOTOMETRIC DATA (MEASURED):

ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSW219D 12.0° 94 % 15.900 cd/lm 1 White	94° 997 1260 997 66° 660 1360 66° 1360 66°
<b>NICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19A 12.0° 90 % 17.800 cd/lm 1 White	25 <sup>°</sup> 6 <sup>°</sup> 15 <sup>°</sup> 56 <sup>°</sup> 66 <sup>°</sup> 77 <sup>°</sup> 66 <sup>°</sup> 78 <sup>°</sup>
EFWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	NVSxx19B/NVSxx19C 12.0° 90 % 16.300 cd/lm 1 White	
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	LH351D 16.0° 94 % 9.000 cd/lm 1 White	94° 997 94° 997 94° 997 950 950 950 950 950 950 950 950 950 950

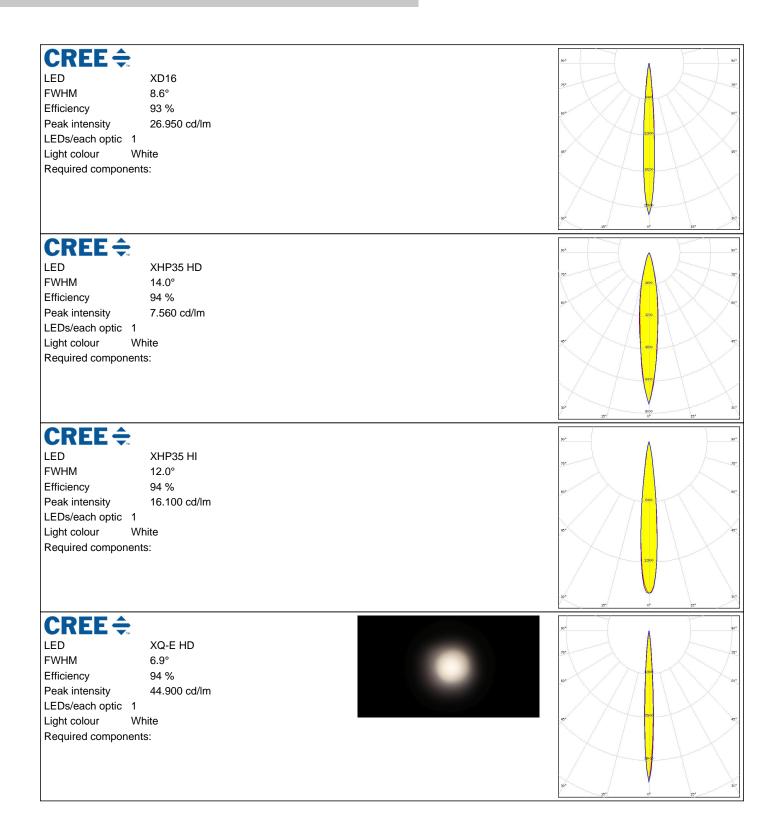


## PHOTOMETRIC DATA (MEASURED):

seoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
seoul seniconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor	White	55° 55° 55° 55° 55° 55° 55° 55°



### PHOTOMETRIC DATA (SIMULATED):



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## PHOTOMETRIC DATA (SIMULATED):

<b>Μ</b> ΝΙCΗΙΛ		50° 50°
LED	NVSxE21A	75"
FWHM	10.0°	$\wedge \wedge $
Efficiency	94 %	60°
Peak intensity	21.140 cd/lm	
LEDs/each optic 1		
Light colour Wi	nite	5° 1200 63°
Required component		
		$\times$ / $\times$ / $\times$
		15° 0° 15°
<b>Μ</b> ΝΙCΗΙΛ		90*
LED	NVSxx19B/NVSxx19C	
FWHM	12.0°	X1 X1
Efficiency	94 %	
Peak intensity	16.574 cd/lm	6400
LEDs/each optic 1		
Light colour Wh	nite	gr* gr*
Required component		$\times$
	-	12000
		30 <sup>6</sup> 15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup>
OSRAM		50° 50°
OSRAM Opto Semiconductors		50°
LED	OSLON Black	95 <sup>4</sup>
LED FWHM	9.5°	95 <sup>5</sup> 75 1000
LED FWHM Efficiency	9.5° 97 %	9x* 97 35 6y* 6x1 6x2
LED FWHM Efficiency Peak intensity	9.5°	92* 52 609 609 609 607
LED FWHM Efficiency Peak intensity LEDs/each optic 1	9.5° 97 % 23.000 cd/lm	9° - 9° 9° - 2° 60° - 60° 8° - 6°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm	27
LED FWHM Efficiency Peak intensity LEDs/each optic 1	9.5° 97 % 23.000 cd/lm	25. 25.   26. 2000   27. 2000
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm	35* 35*   35* 50*   35* 60*   35* 60*   35* 60*   35* 60*   35* 60*
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm	50 50 50 50 50 50 50 50 50 50
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm	95 75 60 75 60 77 60 77 60 77 60 77 60 77 60 77 60 77 60 77 60 77 60 77 60 77 60 77 60 77 77 60 77 77 77 77 77 77 77 77 77 7
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WH Required component	9.5° 97 % 23.000 cd/lm	99 <sup>5</sup> 600, 97 1000 87 87 87 87 87 88
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required component	9.5° 97 % 23.000 cd/lm nite s:	99 <sup>2</sup> 60 <sup>4</sup> 1200 6 <sup>4</sup> 1200 6 <sup>4</sup>
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required component	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat	91
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WH Required component	9.5° 97 % 23.000 cd/lm hite s: OSLON Black Flat 6.8°	91° 60° 60° 90° 60° 90° 90° 60° 90° 60
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WH Required component	9.5° 97 % 23.000 cd/lm hite s: OSLON Black Flat 6.8° 94 %	91°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour WH Required component Opto Semiconductors LED FWHM Efficiency Peak intensity	9.5° 97 % 23.000 cd/lm hite s: OSLON Black Flat 6.8°	91
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat 6.8° 94 % 48.300 cd/lm	91°
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat 6.8° 94 % 48.300 cd/lm nite	91
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat 6.8° 94 % 48.300 cd/lm nite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat 6.8° 94 % 48.300 cd/lm nite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat 6.8° 94 % 48.300 cd/lm nite	
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł Required component Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wł	9.5° 97 % 23.000 cd/lm nite s: OSLON Black Flat 6.8° 94 % 48.300 cd/lm nite	

PRODUCT DATASHEET

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### PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		
LED	SFH 4770S	
FWHM	10.0°	
Efficiency	94 %	
Peak intensity	cd/lm	
LEDs/each optic 1		
Light colour V	Vhite	
Required compone	nts:	
CARACII		
<u> 21 IN 20</u>	NG	90* 90*
		30* 52*
LED	LH351Z	397
LED FWHM		737
LED FWHM Efficiency	LH351Z 10.0°	
LED FWHM Efficiency Peak intensity	LH351Z 10.0° 93 % 25.000 cd/lm	737
LED FWHM Efficiency Peak intensity LEDs/each optic 1	LH351Z 10.0° 93 % 25.000 cd/lm	737
LED FWHM Efficiency Peak intensity LEDs/each optic 1	LH351Z 10.0° 93 % 25.000 cd/lm White	737 - 727 697 - 607 - 1300
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	LH351Z 10.0° 93 % 25.000 cd/lm White	737 - 727 697 - 607 - 1300
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	LH351Z 10.0° 93 % 25.000 cd/lm White	737 - 727 697 - 607 - 1300
LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour V	LH351Z 10.0° 93 % 25.000 cd/lm White	737 667 1300

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#### **GENERAL INFORMATION:**

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### **MATERIALS:**

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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