

# PRODUCT DATASHEET CA13630\_G2-LAURA-SS-P

# G2-LAURA-SS-P

~11° smooth spot beam. Assembly with thinner white holder, installation tape and location pins.

#### **SPECIFICATION:**

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



#### **MATERIALS:**

**Component** LAURA-SS LAURA-LT-PIN-XP-HLD-WHT ROSE-TAPE

Туре
Single lens
Holder
Таре

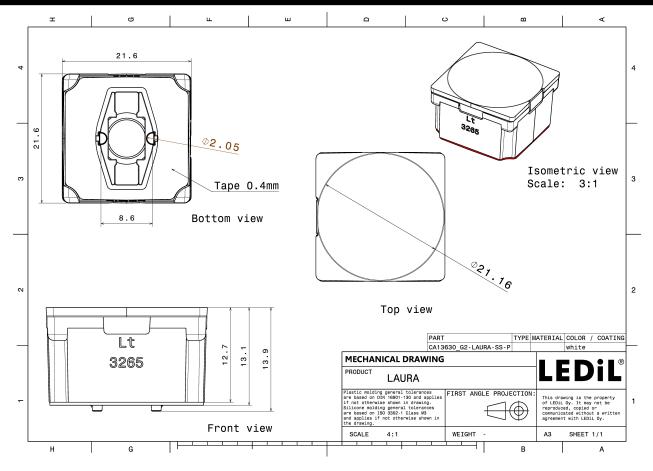
Material	Colour	Finish
PMMA		
PC	white	
Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13630_G2-LAURA-SS-P	Single lens		360	180	6.0
» Box size:					



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See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



		90* 90
LED	XB-D	75 77
FWHM / FWTM	13.0° / 24.0°	
Efficiency	88 %	60* 60
Peak intensity	13.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 45
Required component	nts:	9530
		X / X
		36° 110° 00° 110° 36
	1	90, 90
LED	ХВ-Н	
FWHM / FWTM	13.0° / 25.0°	75
Efficiency	90 %	
Peak intensity	13.3 cd/lm	
LEDs/each optic	1	600
Light colour	White	a
Required component	nts:	9630
		30° 30
	_	15° 0° 35°
	3	
LED	XP-E	
FWHM / FWTM	11.0° / 19.0°	
Efficiency	93 %	
Peak intensity	16.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component	nts:	
	1	
		90* 90
	XP-E2	75*
FWHM / FWTM	12.0° / 21.0°	
	00.0/	
Efficiency	90 %	60.0 60
Efficiency Peak intensity	17.4 cd/lm	600 600 F
Efficiency Peak intensity LEDs/each optic	17.4 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	17.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	17.4 cd/lm 1 White	gr (1000)
Efficiency Peak intensity LEDs/each optic Light colour	17.4 cd/lm 1 White	gr
Efficiency Peak intensity LEDs/each optic Light colour	17.4 cd/lm 1 White	gr (1000) gr (1000) gr (1000)



		90° A 90°
LED	XP-G2	
FWHM / FWTM	13.0° / 24.0°	73* 73*
Efficiency	90 %	60*
Peak intensity	14 cd/lm	600
LEDs/each optic	1	$\times$ / $\uparrow$
Light colour	White	gr* 43°
Required componer	its:	950
		$\times$
		42504
		34° 15° 0° 15°
		50° 50°
LED	XP-L HD	
FWHM / FWTM	16.0° / 30.0°	73*
Efficiency	89 %	60° 60°
Peak intensity	8.5 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required componer	its:	6830
		30° 15° 0° 35°
		90* 90*
		Δ
LED	XP-L2	
LED FWHM / FWTM		 7
	XP-L2	
FWHM / FWTM	XP-L2 17.0° / 34.0°	75°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1	500 500 75
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White	75°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White	500 10 <sup>1</sup> 10 <sup>2</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White	12. 25.0 10. 25.0 1000 12. 25.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White	41. 250 250 250 250 250 250 250
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White	12. 25.0 10. 25.0 1000 12. 25.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts:	25 100 100 100 100 100 100 100 10
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED LED FWHM / FWTM Efficiency	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E 13.0° / 25.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED EVHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E 13.0° / 25.0° 90 % 12.4 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED EU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E 13.0° / 25.0° 90 % 12.4 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E 13.0° / 25.0° 90 % 12.4 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E 13.0° / 25.0° 90 % 12.4 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L2 17.0° / 34.0° 88 % 6.6 cd/lm 1 White tts: XT-E 13.0° / 25.0° 90 % 12.4 cd/lm 1 White	



	EDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 3030 2D (Round LES) 13.0° / 26.0° 91 % 11.4 cd/lm 1 White	
Control Contro	LUXEON TX 14.0° / 26.0° 90 % 12.5 cd/lm 1 White	9°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NCSxx19A 14.0° / 26.0° 91 % 12.5 cd/lm 1 White	500 500 500 500 500 500 500 500
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW219D 13.0° / 25.0° 94 % 12.2 cd/lm 1 White	G. G. S. S. S. S. S. S. S. S. S. S
		34° 120° 40° 30°



<b>ØNICHI</b>		90° 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 15.0° / 28.0° 88 % 10.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 14.0° / 27.0° 89 % 11.4 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 13.0° / 25.0° 90 % 13.2 cd/lm 1 White nts:	
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351D 17.0° / 32.0° 94 % 7.7 cd/lm 1 White	



seour sewconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M1/Z5M2 12.0° / 24.0° 90 % 13.1 cd/lm 1 White ents:	99 <sup>4</sup> 99 <sup>4</sup> 79 <sup>4</sup> 60 <sup>4</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup> 60 <sup>5</sup>
		30° 25° 26' 25°
SEOUL SEMICONDUCTOR		
	75M3	
LED	Z5M3 14.0° / 28.0°	25
LED FWHM / FWTM	Z5M3 14.0° / 28.0° 94 %	34 350 45
LED FWHM / FWTM Efficiency	14.0° / 28.0°	
LED FWHM / FWTM Efficiency Peak intensity	14.0° / 28.0° 94 %	
LED FWHM / FWTM	14.0° / 28.0° 94 % 9.8 cd/lm 1 White	



		50° 50°
LED	XHP35 HI	75*
FWHM / FWTM	14.0° / 26.0°	200
Efficiency	94 %	60°
Peak intensity	12.8 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
Required components:		800
		30° 35° 35°
		90° A 90°
LED	XP-E2	
FWHM / FWTM	12.0° / 23.0°	23*
Efficiency	95 %	60*
Peak intensity	17.2 cd/lm	6400
LEDs/each optic	1	
Light colour	Amber	93 <sup>x</sup> 03 <sup>x</sup>
Required components:		12000
		30* 32*
		15° 0° 15°
		50°
	XP-G3	39°
LED FWHM / FWTM	XP-G3 15.0° / 29.0°	25°
LED FWHM / FWTM Efficiency	15.0° / 29.0° 93 %	60° - 200 - 00°
LED FWHM / FWTM Efficiency Peak intensity	15.0° / 29.0°	9 <sup>14</sup> 75 90 200 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 93 % 9.3 cd/lm 1	73* 64* 2000 00*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm	c
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	15.0° / 29.0° 93 % 9.3 cd/lm 1	73° 75°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1	c. 6. 500 500 500 500 500 500 500 500 500 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1	c
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1	c. 6, 500 500 6, 50 5, 5, 5,
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1	200 00, 000 00, 00000, 000 00, 000 00, 0000 00, 000 00, 000 00, 000 00, 000 00, 000 00, 000 00, 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1 White	201 201 201 201 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1	200 00, 000 00, 00000, 000 00, 000 00, 0000 00, 000 00, 000 00, 000 00, 000 00, 000 00, 000 00, 000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1 White	201 201 201 201 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6°	201 201 201 201 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6° 94 %	201 201 201 201 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6° 94 % 18.5 cd/lm	201 201 201 201 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6° 94 % 18.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6° 94 % 18.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6° 94 % 18.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	15.0° / 29.0° 93 % 9.3 cd/lm 1 White XQ-E HD 12.0° / 21.6° 94 % 18.5 cd/lm 1	



UMILEC	)S	90° 90°
LED FWHM / FWTM	LUXEON HL1Z 12.0° / 22.0°	75
Efficiency	96 %	604
Peak intensity	17.9 cd/lm	$K / T \sim 2$
LEDs/each optic	1	
Light colour	White	43 <sup>2</sup> 43
Required components:		200 H
	S	15 <sup>4</sup> 1500 15 <sup>5</sup>
LED	LUXEON HL2X	
FWHM / FWTM	14.0° / 26.0°	75'
Efficiency	94 %	
Peak intensity	12.4 cd/lm	
LEDs/each optic	1	600
Light colour	White	gr de la constante
Required components:		
		9500
		X / V X
		364 13800 364
		(
		90° 90°
	LUXEON HL2X-P	70
FWHM / FWTM	15.0° / 28.0° 94 %	
Efficiency Peak intensity	94 % 10.5 cd/lm	ege / / eq
LEDs/each optic		
	1	57 600 63
Light colour		gr (10,9) (10,9)
	1	gri 550 er
Light colour	1	9 - 6()) - 6') (6()) - 6')
Light colour	1	9 <sup>10</sup> 900 00
Light colour Required components: OSRAM	1	
Light colour Required components:	1 White	90* 90* 90* 90* 90* 90* 90* 90* 90* 90*
Light colour Required components: OSRAM Opto Semiconductors LED	1 White OSLON Black	35- 35- 35- 35- 35- 35- 35- 35-
Light colour Required components: Opto Semiconductors LED FWHM / FWTM	1 White OSLON Black 13.0° / 25.0°	90 <sup>4</sup> 20 <sup>5</sup> 0 <sup>6</sup> 10 <sup>5</sup> 20
Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency	1 White OSLON Black 13.0° / 25.0° 96 %	94 <sup>4</sup> 25 <sup>4</sup> 6 <sup>4</sup> 15 <sup>4</sup> 30
Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	1 White OSLON Black 13.0° / 25.0° 96 % 13.8 cd/lm	90 <sup>4</sup> 20 <sup>5</sup> 0 <sup>6</sup> 10 <sup>5</sup> 20
Light colour Required components: OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White OSLON Black 13.0° / 25.0° 96 %	
Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White OSLON Black 13.0° / 25.0° 96 % 13.8 cd/lm 1	9 <sup>10</sup> 9 <sup></sup>
Light colour Required components: OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White OSLON Black 13.0° / 25.0° 96 % 13.8 cd/lm 1	90°
Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White OSLON Black 13.0° / 25.0° 96 % 13.8 cd/lm 1	90°



Object Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Black Flat 11.0° / 20.0° 94 % 21.3 cd/lm 1 White	50° 72° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
		30° 30° 30° 30°
OSRAM Opto Semiconductors		90* 80*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Signal 12.0° / 20.0° 96 % 20.5 cd/lm 1 Red	27: 1000 27: 1000 27: 1000 27: 27: 1000 27: 27: 27: 27: 27: 27: 27: 27:
OCDAM		123 0 <sup>6</sup> 123
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 18.0° / 35.0 + 33.0° 96 % 7.4 cd/lm 1 White	30, 90, 12, 90, 12, 90,   30, 61,0
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	OSLON Square Flat 12.0° / 22.0° 94 %	90 <sup>3</sup> 75 <sup>-</sup> 72 <sup>-</sup>



OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4770S 13.0° / 28.0° 94 % 1 White	
		90* B0*
LED	Z8Y22P	75"
FWHM / FWTM	13.0° / 26.0°	23:
Efficiency	97 %	60 <sup>5</sup> 60 <sup>6</sup>
Peak intensity	11.9 cd/lm	
LEDs/each optic	1	(442
Light colour	White	45 45*
Required components:		25 <sup>4</sup> 15 <sup>60</sup> 25 <sup>4</sup> 30 <sup>4</sup>



#### **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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