

# PRODUCT DATASHEET CA13631\_G2-LAURA-O-P

# G2-LAURA-O-P

~40° x 13° oval beam. Assembly with thinner white holder, installation tape and location pins.

# **TECHNICAL SPECIFICATIONS:**

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



# **MATERIAL SPECIFICATIONS:**

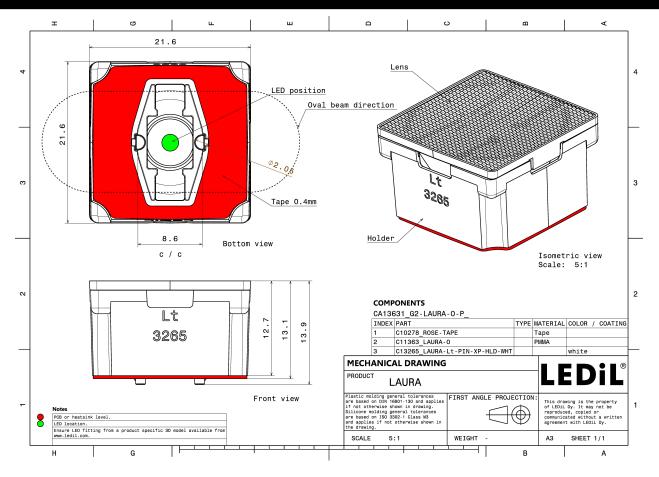
Component	Туре	Material	Colour	Finish
LAURA-O	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	PU tape	black	

## **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13631_G2-LAURA-O-P	Single lens	1440	360	180	6.0
» Box size: 451 x 254 x 152 mm					

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



CREEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XB-D 41.0 + 13.0° / 57.0 + 26.0° 86 % 4.8 cd/lm 1 White	9° 9° 9° 9° 9° 90° 90° 90° 90° 90° 90°	9, 9,
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XB-H 41.0 + 13.0° / 58.0 + 26.0° 87 % 4.6 cd/lm 1 White		12* 36 57 57 57 57 57 57 57 57 57 57
CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-E 40.0 + 13.0° / 55.0 + 24.0° 91 % 4.8 cd/lm 1 White	94	10° - 34°
Required compone			57
Light colour Required compone	White		



CREE -			30*
LED	XP-G2		
FWHM / FWTM	41.0 + 14.0° / 58.0 + 27.0°		25
Efficiency	87 %		
Peak intensity	4.8 cd/lm		1000 eee
LEDs/each optic	1		
Light colour	White		gr a
Required compone			300
	Since.		
			30" 3 15" 0° 15"
CREE -	TM.		90°
LED	XP-G3		
FWHM / FWTM	39.0 + 13.0° / 58.0 + 29.0°		
Efficiency	93 %		
Peak intensity	4.3 cd/lm		
LEDs/each optic	1		
Light colour	White		ger a
Required compone	ents:		
			300
			15
CREE -	ти		90* 9
LED	XP-L HD		25
FWHM / FWTM	38.0 + 16.0° / 60.0 + 34.0°		
Efficiency	89 %		60 <sup>4</sup> 6
Peak intensity	3.8 cd/lm		150
LEDs/each optic	1		
Light colour	White		er 2000 e
Required compone	ents:		
			36* 4000 3
CREE -			90 <sup>4</sup>
	XP-L2		75
FWHM / FWTM	38.0 + 17.0° / 64.0 + 38.0° 84 %		
Efficiency			60° × /
Peak intensity	3.1 cd/lm 1		
LEDs/each optic Light colour	1 White		
Light colour Required compone			
	51115.	-	200
			30° 3255 3



CREE -		20*
LED	XT-E	
FWHM / FWTM	40.0 + 14.0° / 59.0 + 29.0°	78
Efficiency	87 %	
Peak intensity	4.4 cd/lm	6 <sup>91-7</sup>
LEDs/each optic	1	
Light colour	White	g.
Required compone		
required compone	5110.	
		30 <sup>10</sup> 25 <sup>1</sup> 490 25 <sup>1</sup>
UMIL	EDS	90*
LED	LUXEON 3030 2D (Round LES)	
FWHM / FWTM	40.0 + 13.0° / 58.0 + 26.0°	75
Efficiency	88 %	
Peak intensity	4.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr .
Required compone	ents:	
		30° 600 15°
🥙 LUMIL	EDS	90*
LED	LUXEON T	
FWHM / FWTM	40.0 + 15.0° / 60.0 + 28.0°	75
Efficiency	90 %	
Peak intensity	4.7 cd/lm	
LEDs/each optic	1	
Light colour	White	g.
Required compone	ents:	
		30*
<b>M</b> I I I I I I I I I I I I I I I I I I I	EDC	<u> 250/ 0/ 150-</u>
UMIL		<u>80*</u>
LED	LUXEON TX	25
FWHM / FWTM	41.0 + 14.0° / 59.0 + 27.0°	
Efficiency	87 %	400
Peak intensity	4.6 cd/lm	
LEDs/each optic	1	
Light colour	White	5.
Required compone	ents:	
		30 450
		135 <u>, 04 735</u> ,



🥙 LUMIL	.EDS	90 <sup>4</sup>	90
LED FWHM / FWTM	LUXEON V2 39.0 + 13.0° / 58.0 + 29.0°	77	
Efficiency	93 %	61	1500
Peak intensity	4.4 cd/lm		
LEDs/each optic	1		
Light colour	White	45°	$\times$
Required compone	nts:	24	
ØNICHI/		914	
LED	NCSxx19A		A
FWHM / FWTM	41.0 + 13.0° / 58.0 + 27.0°	73	
Efficiency	87 %	60 - C	1000
Peak intensity	4.7 cd/lm		/ / / / / / / / / / / / / / / / / / /
LEDs/each optic	1		$\times$ / /     $\land$ $\times$
Light colour	White	est.	
Required compone		34	25° (p) 25°
ØNICHI/	<b>k</b>	99*	
LED	NCSxx19B	834 23	
LED FWHM / FWTM	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0°	50* 255	
LED FWHM / FWTM Efficiency	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 %	90* 23 50	
LED FWHM / FWTM Efficiency Peak intensity	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm	95* 23 60*	2000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1	93 <sup>4</sup> 27 67	
LED FWHM / FWTM Efficiency Peak intensity	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White	95* 73 60 61 21	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents:	95 <sup>4</sup> 95 95 95 95 95 95 95 95 95 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents:	954 75 67 97 94 94	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents:	93 93 93 94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents:		15 <sup>4</sup> 0 <sup>6</sup> 15 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents: NVSW219D 38.0 + 14.0° / 59.0 + 29.0°	51 52 53 54 54 54 54 54 54 54 54 54 54 54 54 54	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHI/ LED FWHM / FWTM Efficiency Peak intensity	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents: NVSW219D 38.0 + 14.0° / 59.0 + 29.0° 94 %	23 24 24 25 25 26 24 26 26 26 26 26 26 26 26 26 26 26 26 26	57 <sup>4</sup> 0 <sup>6</sup> 57 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency	NCSxx19B 40.0 + 12.0° / 56.0 + 24.0° 87 % 4.9 cd/lm 1 White ents: NVSW219D 38.0 + 14.0° / 59.0 + 29.0° 94 % 4.4 cd/lm 1 White		12 <sup>47</sup> 0 <sup>4</sup> 12 <sup>4</sup>



		50' 50'
LED	- NVSxx19A	
FWHM / FWTM	40.0 + 15.0° / 60.0 + 30.0°	
Efficiency	87 %	
Peak intensity	4.3 cd/lm	6 <sup>947</sup>
LEDs/each optic	1	
Light colour	White	
Required compone		3500 34 <sup>4</sup> 55 <sup>4</sup> 6 <sup>4</sup> 55 <sup>4</sup>
<b>Ø</b> NICHI∕		
LED	NVSxx19B/NVSxx19C	
FWHM / FWTM	37.0 + 12.0° / 62.0 + 28.0°	
Efficiency	89 %	
Peak intensity	5.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
OSRAM Opto Semiconductors	OSLON Square CSSRM2/CSSRM3	50° 50
FWHM / FWTM	39.0 + 12.0° / 57.0 + 25.0°	3
Efficiency	94 %	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	nts:	
		30° 25° 0° 25° 30
OSRAM Opto Semiconductors		30 <sup>4</sup> 20 <sup>7</sup> 20 <sup>7</sup> 20 <sup>7</sup> 20 <sup>7</sup>
OSRAM Opto Semiconductors LED	OSLON Square EC	
Opto Semiconductors		100 km
Opto Semiconductors	OSLON Square EC	
Opto Semiconductors LED FWHM / FWTM	OSLON Square EC 40.0 + 13.0° / 58.0 + 27.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	OSLON Square EC 40.0 + 13.0° / 58.0 + 27.0° 87 %	
opto Semiconductors LED FWHM / FWTM Efficiency	OSLON Square EC 40.0 + 13.0° / 58.0 + 27.0° 87 % 4.8 cd/lm	



SAMS	UNG	50*
LED	LH351D	77
FWHM / FWTM	37.0 + 17.0° / 63.0 + 34.0°	
Efficiency	92 %	
Peak intensity	3.6 cd/lm	
LEDs/each optic	1	
Light colour	White	91
Required compone	ents:	
		20
		**
		355 Or 157
SEOUL SEMICONDUCTOR		50°
LED	Z5M1/Z5M2	
FWHM / FWTM	40.0 + 12.0° / 57.0 + 26.0°	20
Efficiency	86 %	
Peak intensity	4.6 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	ents:	
		$\times$ $($ $\times$ $) \times$
		34* 633
		155 da 155
SEOUL SEMICONDUCTOR		39°
LED	Z5M3	
FWHM / FWTM	39.0 + 15.0° / 60.0 + 32.0°	
Efficiency	94 %	
Peak intensity	4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		34
		15° 0° 15°



# PHOTOMETRIC DATA (SIMULATED):

		30°
	XQ-E HD	75'
FWHM / FWTM Efficiency	66.0 + 9.0° / 89.0 + 18.0° 94 %	
Peak intensity	94 % 4 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	a <sup>2</sup> 65 <sup>4</sup>
Required components:	white	
		200
		30" 30 15° 0° 15°
	DS	90° 90°
LED	LUXEON 3535L	75'
FWHM / FWTM	62.0 + 10.0° / 84.0 + 23.0°	
Efficiency	91 %	60° 65°
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	1000
Light colour	White	gr
Required components:		
		30° 30°
OSRAM Opto Semiconductors		90° 90°
Opto Semiconductors	OSCONIQ C 2424	
EED FWHM / FWTM	61.0 + 12.0° / 82.0 + 24.0°	75-
Efficiency	90 %	000
Peak intensity	3 cd/lm	60° - 60°
LEDs/each optic	1	
Light colour	White	9 <sup>1</sup>
Required components:		
		200
		30° 30°
		153 3680 159
OSRAM		90° 90°
Opto Semiconductors	OSCONIQ P 3030	
FWHM / FWTM	66.0 + 10.0° / 85.0 + 19.0°	73. 25.
Efficiency		
	91 %	
Peak intensity LEDs/each optic	91 % 3.7 cd/lm 1	100 Er
Peak intensity	3.7 cd/lm	g
Peak intensity LEDs/each optic	3.7 cd/lm 1	100
Peak intensity LEDs/each optic Light colour	3.7 cd/lm 1	65 67 67 500 510 510
Peak intensity LEDs/each optic Light colour	3.7 cd/lm 1	95 - 807 75 - 200 - 200
Peak intensity LEDs/each optic Light colour	3.7 cd/lm 1	yu g g yu b yu yu yu b yu b yu b



# PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90° 90°
LED	OSLON Black	
FWHM / FWTM	62.0 + 10.0° / 83.0 + 20.0°	78*
Efficiency	%	
Peak intensity	3.2 cd/lm	60 <sup></sup>
LEDs/each optic	1	
Light colour	White	47° 43°
Required components:		
		230
		300 300
		15° 0° 35°
OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square Flat	
FWHM / FWTM	61.0 + 10.0° / 82.0 + 23.0°	75'
Efficiency	89 %	800
Peak intensity	3.1 cd/lm	
LEDs/each optic	1	1630
Light colour	White	45° 65°
Required components:		
		2430
		30* 3200 36*
		15° 0° 15°
OSRAM Opto Semiconductors		90° 50°
LED	OSLON SSL 150	
FWHM / FWTM	62.0 + 10.0° / 83.0 + 20.0°	25*
Efficiency	91 %	60.5
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 43°
Required components:		200
		30* 33*
OSRAM		
Opto Semiconductors		90° 90°
LED	OSLON SSL 80	75
FWHM / FWTM	62.0 + 10.0° / 84.0 + 24.0°	
Efficiency	90 %	60° 60°
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	1600
Light colour	White	57° 63°
Required components:		2430
		30° 2200 30°
		15° 0° 15°



# **PHOTOMETRIC DATA (SIMULATED):**

#### OSRAM Opto Semiconductors

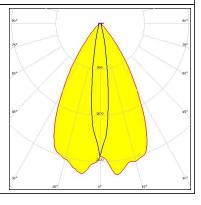
LED S FWHM / FWTM 6 Efficiency 8 LEDs/each optic 1 Light colour 1 Required components:

SFH 4770S 63.0 + 11.0° / 83.0 + 27.0° 88 % 1 White

#### SEOUL

SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:

Z8Y22P 60.0 + 12.0° / 84.0 + 30.0° 93 % 2.7 cd/lm 1 White





#### **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:

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