

PRODUCT DATASHEET CA13634_G2-LAURA-W-P

G2-LAURA-W-P

~45° wide 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
LAURA-W
LAURA-LT-PIN-XP-HLD-WHT
ROSE-TAPE

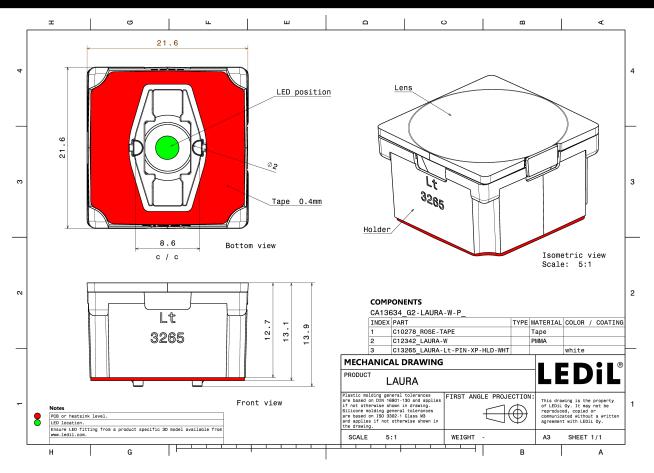
Туре
Single lens
Holder
Tape

Material	Colour	Finish
PMMA	clear	
PC	white	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13634_G2-LAURA-W-P	Single lens	1440	360	180	6.1
» Box size: 450 x 260 x 160 mm					

PRODUCT DATASHEET CA13634_G2-LAURA-W-P



See also our general installation guide: www.ledil.com/installation_guide



		90° 90°
LED	XB-D	
FWHM / FWTM	40.0° / 69.0°	73*
Efficiency	84 %	
Peak intensity	1.6 cd/lm	BU" BU"
LEDs/each optic	1	
Light colour	White	a, a,
Required compone	nts:	
		30* 30*
		90° 90°
LED	ХВ-Н	
FWHM / FWTM	47.0° / 71.0°	75
Efficiency	86 %	400
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 45°
Required compone	nts:	
		1230
		30. 21.
		90 ⁴ 90 ⁴ 90 ⁴
LED	XP-E	
FWHM / FWTM	45.0° / 69.0°	73"
		- 400
Efficiency	86 %	60
Efficiency Peak intensity	86 % 1.5 cd/lm	er
Efficiency Peak intensity LEDs/each optic	86 % 1.5 cd/m 1 White	60
Efficiency Peak intensity LEDs/each optic Light colour	86 % 1.5 cd/m 1 White	er er er
Efficiency Peak intensity LEDs/each optic Light colour	86 % 1.5 cd/m 1 White	60
Efficiency Peak intensity LEDs/each optic Light colour	86 % 1.5 cd/m 1 White	er 100 100 100 100 100 100 100 10
Efficiency Peak intensity LEDs/each optic Light colour Required componen	86 % 1.5 cd/lm 1 White nts:	6° 6° 6°
Efficiency Peak intensity LEDs/each optic Light colour Required component	86 % 1.5 cd/lm 1 White hts:	30, 70, 70, 70, 10, 10, 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90,
Efficiency Peak intensity LEDs/each optic Light colour Required component	86 % 1.5 cd/lm 1 White hts: XP-E2	er 6 120 120 120 120 120 120 120 120
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM	86 % 1.5 cd/lm 1 White hts:	30, 70, 70, 70, 10, 10, 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90,
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE (LED LED FWHM / FWTM Efficiency	86 % 1.5 cd/lm 1 White hts: XP-E2 45.0° / 69.0°	30, 70, 70, 70, 10, 10, 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90, 0, 10,0 10, 90,
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED LED FWHM / FWTM	86 % 1.5 cd/lm 1 White hts: XP-E2 45.0° / 69.0° 87 %	30, 30, 20, 70, 20, 70, 20, 70, 60, 60, 60, 60,
Efficiency Peak intensity LEDs/each optic Light colour Required component EED FWHM / FWTM Efficiency Peak intensity	86 % 1.5 cd/m 1 White hts: XP-E2 45.0° / 69.0° 87 % 1.5 cd/m	30, 30, 20, 70, 20, 70, 20, 70, 60, 60, 60, 60,
Efficiency Peak intensity LEDs/each optic Light colour Required component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White	9x 9x 9x 100 100 9x 100 100
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White	30, 30, 20, 70, 20, 70, 20, 70, 60, 60, 60, 60,
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	86 % 1.5 cd/m 1 White XP-E2 45.0° / 69.0° 87 % 1.5 cd/m 1 White	



LED	XP-G		
FWHM / FWTM	46.0° / 65.0°		
Efficiency	91 %		
Peak intensity	1.6 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone			
			90*
LED	XP-G2		75
FWHM / FWTM	47.0° / 71.0°		
Efficiency	87 %		600
Peak intensity	1.4 cd/lm		=
LEDs/each optic	1		
Light colour	White		27 6 00
Required compone	nts:	_	
			300
			15° 0° 15°
			90 ⁴
LED	XP-L HD		99°
LED FWHM / FWTM	XP-L HD 49.0° / 76.0°		25-
LED FWHM / FWTM Efficiency	XP-L HD 49.0° / 76.0° 85 %		50 57
LED FWHM / FWTM Efficiency Peak intensity	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White		5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White		5 ⁵ 5 ⁷ 5 ⁷ 5 ⁷ 5 ⁷ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹ 5 ⁹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White		99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White		3 ³ ³ 3 ³ 40 5 ³ 5 ³ 40 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts:		200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 %		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE Compone LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-L HD 49.0° / 76.0° 85 % 1.2 cd/lm 1 White nts: XP-L2 46.0° / 74.0° 83 % 1.3 cd/lm 1 White		



			50° 50°
	XT-E		
	43.0° / 69.0°		75
	87 %		400
	1.6 cd/lm		60°-
	1		
	White		gg4
Required component		_	$X \to X$
			1220
			30° 1650 30°
			15% 0% 15%
	DS		90* 90*
LED	LUXEON 3030 2D (Round LES)		
FWHM / FWTM	37.0° / 62.0°		40
Efficiency	86 %		60° 60°
Peak intensity	1.9 cd/lm		
LEDs/each optic	1		
Light colour	White		47 ⁴ 1230 47 ⁴
Required component	S:		
			1600
			30* 2000 30*
	DS		90 ⁺
			90 ⁴ 90 ⁴
LED	EDS LUXEON TX 42.0° / 67.0°		
LED FWHM / FWTM	LUXEON TX		
LED FWHM / FWTM Efficiency	LUXEON TX 42.0° / 67.0° 86 %		
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 42.0° / 67.0°		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm		20 00 00 00 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White		77. 600 805 800 800 800 800 800 800 800 800 8
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White		77. 600 805 800 800 800 800 800 800 800 800 8
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White		75- 100 55- 150 150 150 150 150 150 150 150
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White		200 - 120 201 - 120
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A		201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0°		201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 %		201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1		201 201 201 201 201 201 201 201
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 42.0° / 67.0° 86 % 1.6 cd/lm 1 White 5: NCSxx19A 41.0° / 66.0° 88 % 1.7 cd/lm 1 White		



ØNICHI		90 ⁴ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 48.0° / 76.0° 91 % 1.2 cd/lm 1 White	
ØNICHI/		90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 41.0° / 67.0° 87 % 1.7 cd/lm 1 White nts:	
ØNICHI		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 41.0° / 68.0° 84 % 1.7 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 46.0° / 71.0° 87 % 1.4 cd/lm 1 White nts:	



SAMS	UNG	50° 80°
LED	LH351D	
FWHM / FWTM	52.0° / 81.0°	
Efficiency	92 %	807
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		3/4 20 04 337 36
SEOUL		
		90*
SEOUL SEMICONDUCTOR		
SEOUL SEMICONDUCTOR	Z5M3	
LED FWHM / FWTM	Z5M3 43.0° / 72.0°	77
LED FWHM / FWTM Efficiency	43.0° / 72.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity	43.0° / 72.0°	75
LED FWHM / FWTM Efficiency	43.0° / 72.0° 92 % 1.4 cd/lm 1	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 72.0° 92 % 1.4 cd/lm 1 White	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	43.0° / 72.0° 92 % 1.4 cd/lm 1 White	64 60 60 F
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 72.0° 92 % 1.4 cd/lm 1 White	64 60 60 F
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 72.0° 92 % 1.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	43.0° / 72.0° 92 % 1.4 cd/lm 1 White	



PHOTOMETRIC DATA (SIMULATED):

	XHP35 HI	27 27 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20
FWHM / FWTM	45.0° / 65.0°	400
Efficiency	93 %	60°
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gze 62°
Required components:		1200
		1500
		34° 35° 35°
		90* 90*
LED	XP-G3	
FWHM / FWTM	50.0° / 68.0°	73*
Efficiency	93 %	400 60 ⁴
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:		
		- 1200
		30°
		15 0° 15°
		90°
	XQ-E HI	50 ⁴ 50 ⁴
	XQ-E HI 46.0° / 54.0°	50° 50° 37° 50°
LED		97 97 97 97 97 97
LED FWHM / FWTM	46.0° / 54.0°	60 60 22 24 26 26 26 26
LED FWHM / FWTM Efficiency	46.0° / 54.0° 95 %	99 ⁵ 99 ⁷ 99 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity	46.0° / 54.0° 95 % 2.1 cd/lm	gr
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	46.0° / 54.0° 95 % 2.1 cd/lm 1	9 ¹⁰ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	46.0° / 54.0° 95 % 2.1 cd/lm 1	500 500 500 500 500 500 500 500 500 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	46.0° / 54.0° 95 % 2.1 cd/lm 1	6. 6. 61 700 700 721 721 721 721 721 721
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	46.0° / 54.0° 95 % 2.1 cd/lm 1	50° 60° 60° 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1	P ¹ P ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1 White	by: by: by: by: by: by:
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black	55° 5° 5° 50° 5° 50° 5° 50° 5° 50° 5° 50° 50° 50° 50° 50° 50° 50° 50° 50° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0°	by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 %	by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0°	by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1	by: by: 22. 0.0 23. 0.0 24. 0.0 25. 0.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	46.0° / 54.0° 95 % 2.1 cd/lm 1 White OSLON Black 41.0° / 55.0° 95 % 2.3 cd/lm 1	



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Black Flat 34.0° / 54.0° 94 % 2.9 cd/lm 1 White	
OSRAM Opto Semiconductors		15 25 137
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square Flat 41.0° / 59.0° 94 % 2.2 cd/lm 1 White	34 99 99 99 99 99 99 99 99 99 99 99 99 99
OSRAM		32 <u>0</u> 0 <u>1</u> 22
opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4770S 27.0° / 50.0° 93 % 1 White	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Z8Y22P 40.0° / 62.0° 98 % 2.2 cd/lm 1 White	34 15.9 15



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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