

PRODUCT DATASHEET C13234_SATU-S

SATU-S

~19° spot beam optimized for CREE XT-E

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.8 mm
Height	8.9 mm
Fastening	glue, pin
ROHS compliant	yes 🛈

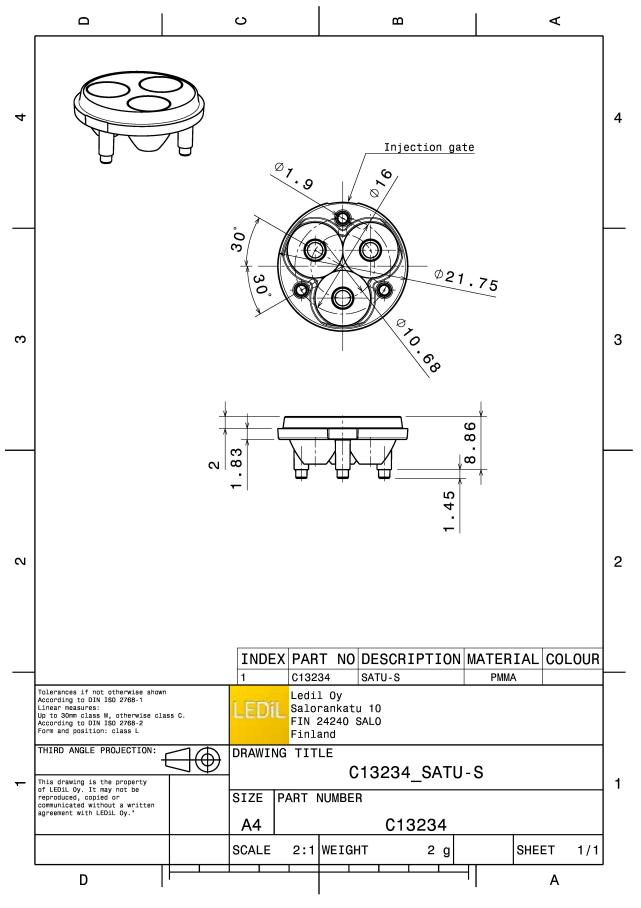


MATERIAL SPECIFICATIONS:

Component SATU-S	Type Multi-lens	Material PMMA		Colour clear	Finish
ORDERING INFORMATION:					
Component C13234_SATU-S » Box size: 480 x 280 x 300 mm		Qty in box 2880	MOQ 120	MPQ 120	Box weight (kg) 7.7

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



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LED	XB-D	
FWHM / FWTM	21.0° / 47.0°	
Efficiency	80 %	
Peak intensity	3.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
LED	XP-E	
FWHM / FWTM	20.0° / 43.0°	
Efficiency	85 %	
Peak intensity	4.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
	D	90 ⁴ 99
LED	XP-E2	
FWHM / FWTM	20.0° / 41.0°	
Efficiency	86 %	
Peak intensity	5.5 cd/lm	69** · · · · · · · · · · · · · · · · · ·
LEDs/each optic	1	
Light colour	White	er
Required compone		
riequieu componi		
	3	<u> </u>
LED	XP-G	
FWHM / FWTM	25.0° / 53.0°	
Efficiency	83 %	
Peak intensity	2.9 cd/lm	
	1 White	
LEDs/each optic	Winite	
Light colour		
Light colour		
Light colour		



		50 ¹⁶
LED	XP-G2	
FWHM / FWTM	26.0° / 52.0°	77
Efficiency	85 %	
Peak intensity	3.3 cd/lm	99°
LEDs/each optic	1	
Light colour	White	gr at
Required compone		
		125 qt 125 a
		90°
LED	XT-E	
FWHM / FWTM	24.0° / 50.0°	
Efficiency	89 %	ege 200 pr
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	gr av
Required compone	nts:	320
		30"
	FDS	
		132 ⁴ 24 ⁴ 90 ⁴ 30 ⁴
LED	LUXEON T	20 ¹⁰ 0 ⁴ 10 ⁹
LED FWHM / FWTM	LUXEON T 27.0° / 55.0°	
LED FWHM / FWTM Efficiency	LUXEON T 27.0° / 55.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White hts: EDS LUXEON TX 26.0° / 56.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 56.0° 86 % 2.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Compar	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 56.0° 86 % 2.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 56.0° 86 % 2.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Comparison Compar	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 56.0° 86 % 2.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Comparison COMPARENT LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 56.0° 86 % 2.8 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Composition Required compone Composition LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON T 27.0° / 55.0° 88 % 2.7 cd/lm 1 White nts: EDS LUXEON TX 26.0° / 56.0° 86 % 2.8 cd/lm 1 White	



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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757A 23.0° / 56.0° 85 % 2.8 cd/lm 1 White	
OSRAM Opto Semiconductors		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 24.0° / 52.0° 85 % 3.2 cd/lm 1 White hts:	
OSRAM Opto Semiconductors		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 80 18.0° / 44.0° 81 % 4.4 cd/lm 1 White	
SVWSI	ING	90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351Z 24.0° / 50.0° 87 % 3.4 cd/lm 1	60 ² 500 50
Light colour Required compone	White hts:	



SEOUL SEOUL SEMICONDUCTOR		84
LED	Z5M1/Z5M2	72
FWHM / FWTM	27.0° / 54.0°	
Efficiency	93 %	60 ⁴
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	e ^r - 160 - er
Required compone	ents:	200



PHOTOMETRIC DATA (SIMULATED):

		50°
LED	XP-G2 HE	25*
FWHM / FWTM	28.0° / 56.0°	
Efficiency	96 %	60° 60°
Peak intensity	2.7 cd/lm	X / X
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		
		30° 30° 30°
	DS	90°
LED	LUXEON H50-2	
FWHM / FWTM	24.0° / 46.0°	23.
Efficiency	90 %	60° 60°
Peak intensity	4 cd/lm	- 100 - T
LEDs/each optic	1	
Light colour	White	g;
Required components:		$\times / \times \times$
		3230
		30* 30*
Μ ΝΙCΗΙΛ		15 ⁵ 0 ⁶ 15 ⁵
		90° 90°
LED	NVSxx19B/NVSxx19C	75'
FWHM / FWTM	26.0° / 51.0°	
Efficiency	87 %	60°
Peak intensity	3.1 cd/lm	
LEDs/each optic	1 White	43 ⁺ 45 ⁺
Light colour Required components:	White	
		2430
		34 220 36
		30° <u>2100</u> 30° 15° 0° 15°
OSRAM Opto Semiconductors		90 ⁴ 90 ⁴
LED	Synios P2720 1/2 mm	75
FWHM / FWTM	16.0° / 33.0°	
Efficiency	94 %	60* 60*
Peak intensity	7.9 cd/lm	
LEDs/each optic	1	
Light colour	White	4500
Required components:		
		6430
		30° 6000 30° 30°



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR		90°
LED	Z8Y22P	
FWHM / FWTM	27.0° / 56.0°	
Efficiency	87 %	an
Peak intensity	2.7 cd/lm	$r \times / r \times \gamma$
LEDs/each optic	1	
Light colour	White	gr 160 - 100 - er
Required component	ts:	
		200
		30° 25° 0° 25°



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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:

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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

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