

SATU-W

~35° wide beam optimized for CREE XT-E

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.8 mm
Height	8.9 mm
Fastening	glue, pin
Colour	clear
Box size	480 x 280 x 300 mm
Box weight	7.7 kg
Quantity in Box	2880 pcs
ROHS compliant	yes 🛈



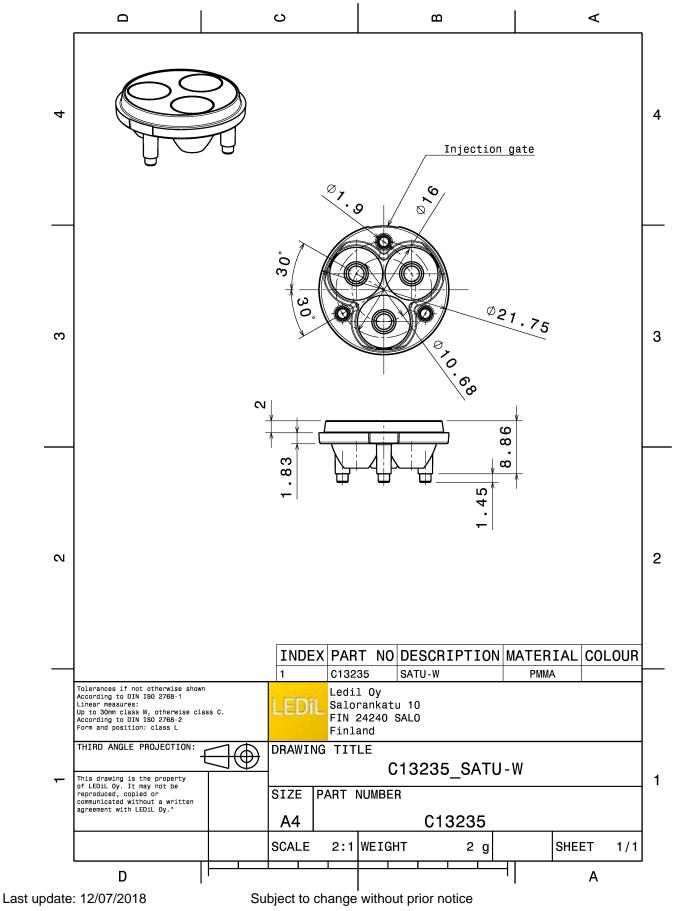
PRODUCT DATASHEET C13235_SATU-W

MATERIAL SPECIFICATIONS:

Component SATU-W **Type** Lens array **Material** PMMA Colour clear







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PHOTOMETRIC DATA (MEASURED):

LED		
	XB-D	
FWHM	31.0°	
Efficiency	77 %	
Peak intensity	2.100 cd/lm	
Required com	ponents:	
		_
CREE	▼n	
LED	XP-E	
FWHM	33.0°	
Efficiency	84 %	
Peak intensity	2.200 cd/lm	
Required com	ponents:	
	•	
CREE -		90*
LED	XP-E2	73
FWHM	27.0°	800
Efficiency	86 %	
	2.900 cd/lm	1000
Required com		259
CREE -	· · · · ·	
	XP-G	
LED	XP-G	
LED FWHM Efficiency	XP-G 34.0°	
LED FWHM Efficiency	XP-G 34.0° 82 % 1.900 cd/lm	
LED FWHM Efficiency Peak intensity	XP-G 34.0° 82 % 1.900 cd/lm	
LED FWHM Efficiency Peak intensity	XP-G 34.0° 82 % 1.900 cd/lm	



PHOTOMETRIC DATA (MEASURED):

CREE ¢ LED FWHM Efficiency Peak intensity Required comp	XP-G2 35.0° 87 % 2.000 cd/lm	
🕒 LG Innot	ek	
LED FWHM Efficiency Peak intensity Required comp	H35B0 (LEMWA32) 29.0° 86 % 2.700 cd/lm	
🕑 LG Innot		90° 90
LED FWHM Efficiency Peak intensity Required comp	H35C0 (LEMWA33) 41.0° 86 % 1.600 cd/lm	
UMIL	EDS	50° 50
LED FWHM Efficiency Peak intensity Required comp		



PHOTOMETRIC DATA (MEASURED):

LED LUXEON TX FWHM 38.0° Fliciency 86 % Peak intensity 1.800 cd/lm Required components:			90*
Efficiency 86 % Peak intensity 1.800 cd/lm Required components:			23*
Peak intensity 1.800 cd/lm Required components:			er
Required components:			
Image: Construction of the second			9
LED NF2x757A FWHM 32.0° Efficiency 80 % Peak intensity 2.000 cd/lm Required components:	Required comp	onents:	200
LED NF2x757A FWHM 32.0° Efficiency 80 % Peak intensity 2.000 cd/lm Required components:			90*
FWHM 32.0° Efficiency 80 % Peak intensity 2.000 cd/lm Required components:			
Efficiency 80 % Peak intensity 2.000 cd/lm Required components:			
Peak intensity 2.000 cd/lm Required components:			2*
Required components:		2.000 cd/lm	
LED Oslon Square EC FWHM 37.0° Efficiency 85 % Peak intensity 1.800 cd/lm Required comments CORRAN LED Oslon SSL 80 FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm			gr (
LED Oslon Square EC FWHM 37.0° Efficiency 85 % Peak intensity 1.800 cd/lm Required comments: LED Oslon SSL 80 FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm			 150
LED Oslon Square EC FWHM 37.0° Efficiency 85 % Peak intensity 1.800 cd/lm Required comments: LED Oslon SSL 80 FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm			
LED Oslon Square EC FWHM 37.0° Efficiency 85 % Peak intensity 1.800 cd/lm Required comments CORRAN LED Oslon SSL 80 FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm			30°
LED Oslon Square EC FWHM 37.0° Efficiency 85 % Peak intensity 1.800 cd/lm Required comments: CSRAM LED Oslon SSL 80 FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm	OSRAM Onto Semiconductors		59*
FWHM 37.0° Efficiency 85 % Peak intensity 1.800 cd/lm Required components: Image: Component in the second in the seco		Oslon Square EC	
Efficiency 85 % Peak intensity 1.800 cd/lm Required components:			
Peak intensity 1.800 cd/lm Required components: Image: Component intensity COSRAM Image: Component intensity VEV Vertice intensity Coslon SSL 80 Image: Component intensity FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm			
OSRAM Opto Semiconductors LED Oslon SSL 80 FWHM 30.0° Efficiency 80 % Peak intensity 2.400 cd/lm		1.800 cd/lm	
Poto SemiconductorsLEDOslon SSL 80FWHM30.0°Efficiency80 %Peak intensity2.400 cd/lm	Required comp	onents:	er
Pope SemiconductorsLEDOslon SSL 80FWHM30.0°Efficiency80 %Peak intensity2.400 cd/lm			
Pope SemiconductorsLEDOslon SSL 80FWHM30.0°Efficiency80 %Peak intensity2.400 cd/lm			100
Poto SemiconductorsLEDOslon SSL 80FWHM30.0°Efficiency80 %Peak intensity2.400 cd/lm			300
LEDOslon SSL 80FWHM30.0°Efficiency80 %Peak intensity2.400 cd/lm			24 jun - 4 22 - 22 - 22 - 22 - 22 - 22 - 22 -
FWHM30.0°Efficiency80 %Peak intensity2.400 cd/lm		Oslon SSL 80	
Efficiency 80 % Peak intensity 2.400 cd/lm			
		80 %	
Required components:	Peak intensity	2.400 cd/lm	
	Required comp	onents:	

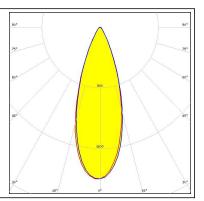


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LH351Z FWHM 36.0° Efficiency 87 % Peak intensity 2.000 cd/lm Required components:







PHOTOMETRIC DATA (SIMULATED):

	VT F	50°
LED FWHM	XT-E 34.0°	73.
Efficiency	%	61 ⁴ 600 61 ⁴
Peak intensity	% cd/lm	
Required compor		gr
		34° 550 560 260 50°
UMILE	DS	90 ⁴
LED	LUXEON H50-2	75'
FWHM	40.0°	
Efficiency	%	69* 00*
Peak intensity	2.000 cd/lm	
Required compor	nents:	s.
		3520
Μ ΝΙCΗΙΛ		50* 30*
LED	NVSxx19B/NVSxx19C	75
FWHM	39.0°	400
Efficiency	87 %	60*
Peak intensity	1.810 cd/lm	
Required compor	nents:	er
		100
		30-
OSRAM Opto Semiconductors		90° 90°
LED	Oslon Black	75
FWHM	27.0°	
Efficiency	85 %	60 ¹ 60 ²
Peak intensity	3.100 cd/lm	
Required compor	nents:	43 ²
		2439
		209
		200



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		50 ⁴ 50 ⁴
LED	Synios P2720 1/2 mm	72
FWHM	30.0°	
Efficiency	94 %	et
Peak intensity	2.670 cd/lm	
Required compo	nents:	9°
		340
		34° 25° 0° 15°
SAMSU	NG	50 ¹ 50 ¹
LED	LH351B	72
FWHM	42.0°	40
Efficiency	94 %	
Peak intensity	1.800 cd/lm	
Required compo	nents:	er 100
		- 162
		34 ⁴ 357 67 351
SECUL SECUL SEMICONDUCTOR		94 95°
LED	Z8Y22P	7. 7.
FWHM	41.0°	
Efficiency	87 %	69° 69°
Peak intensity	1.620 cd/lm	
Required compo	nents:	
		34" 35" 0" 35"



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.

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