

## 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 ⓘ

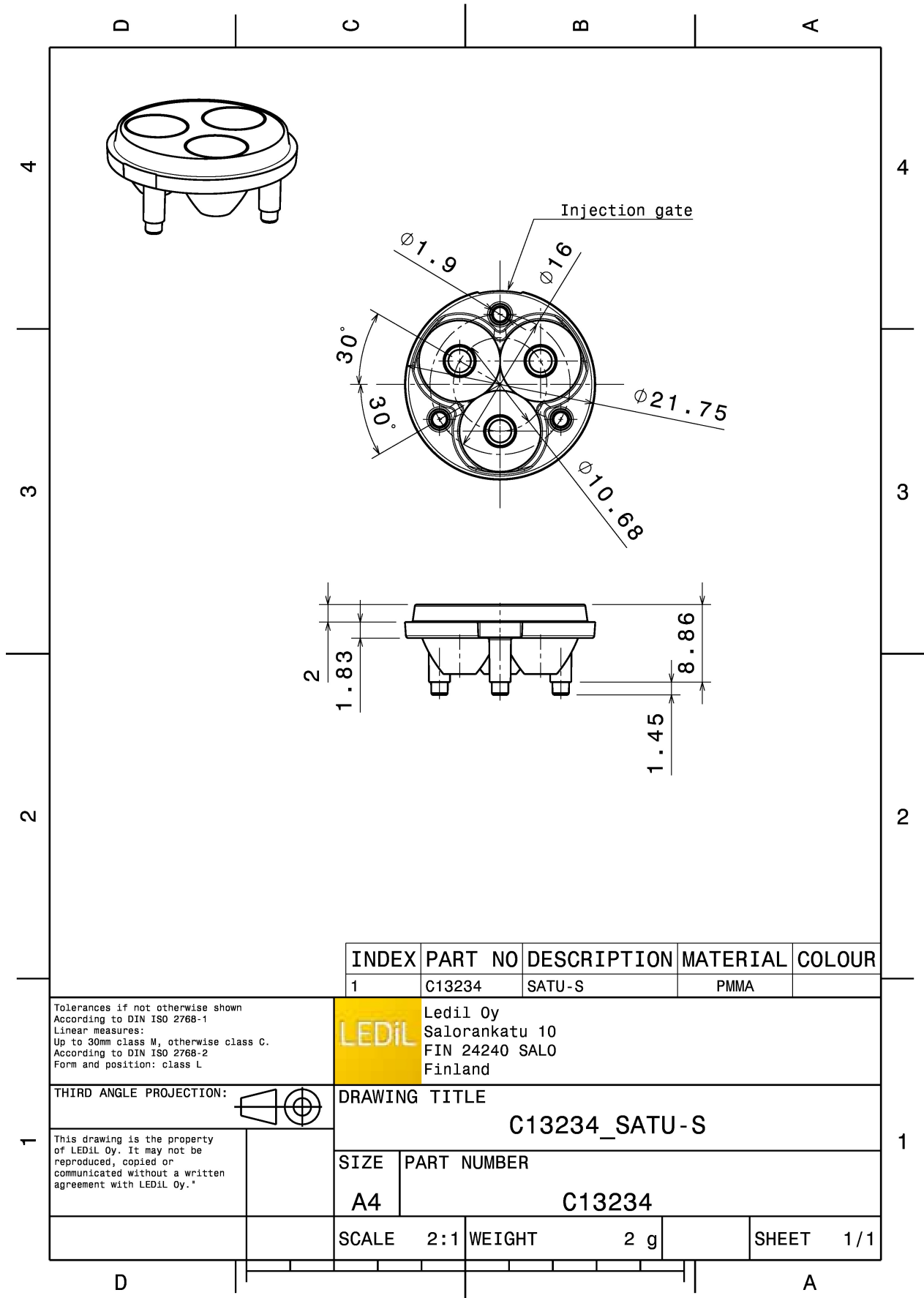
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
SATU-S	Multi-lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13234_SATU-S » Box size: 480 x 280 x 300 mm	2880	120	120	7.7



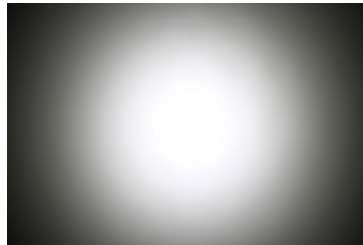


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## PHOTOMETRIC DATA (MEASURED):

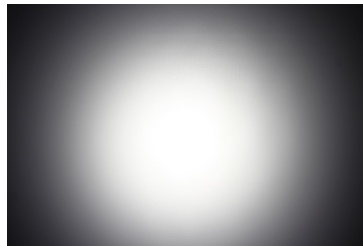
**CREE** LED

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 components:



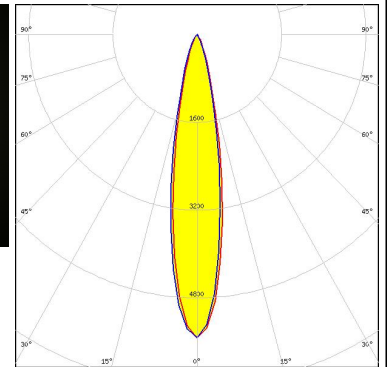
**CREE** LED

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 components:



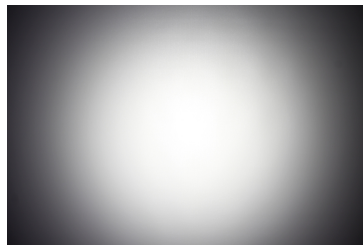
**CREE** LED

LED XP-E2  
 FWHM / FWTM 20.0° / 41.0°  
 Efficiency 86 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**CREE** LED

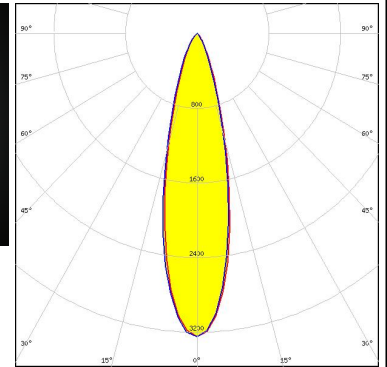
LED XP-G  
 FWHM / FWTM 25.0° / 53.0°  
 Efficiency 83 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

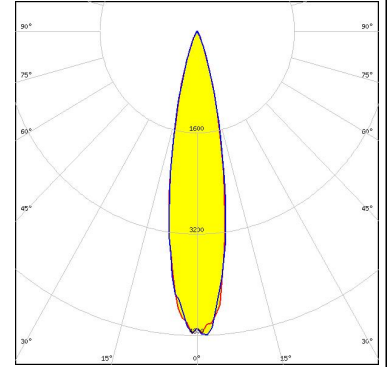
#### CREE LED

LED XP-G2  
 FWHM / FWTM 26.0° / 52.0°  
 Efficiency 85 %  
 Peak intensity 3.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



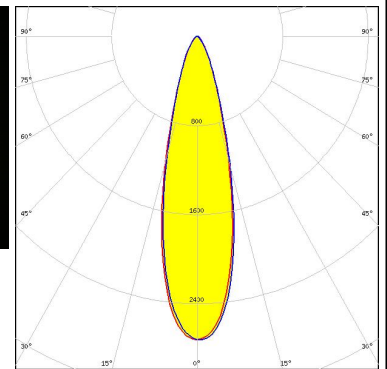
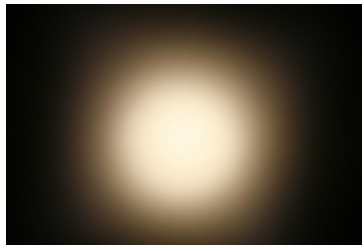
#### CREE LED

LED XT-E  
 FWHM / FWTM 24.0° / 50.0°  
 Efficiency 89 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



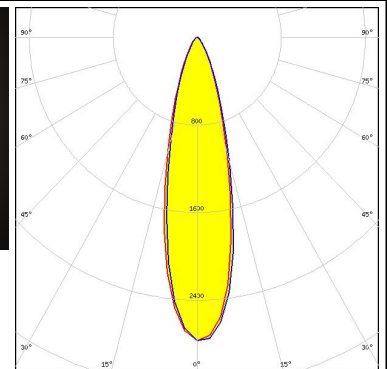
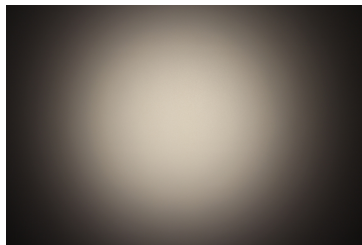
#### LUMILEDS

LED LUXEON T  
 FWHM / FWTM 27.0° / 55.0°  
 Efficiency 88 %  
 Peak intensity 2.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:


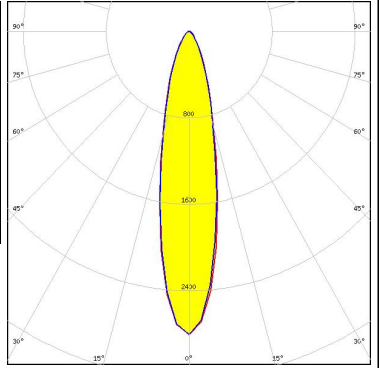

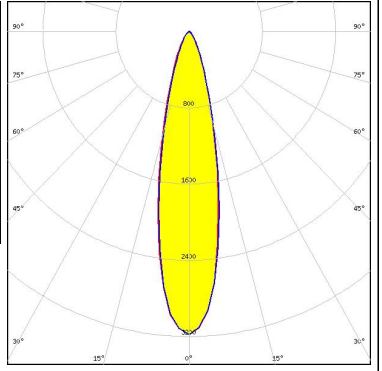
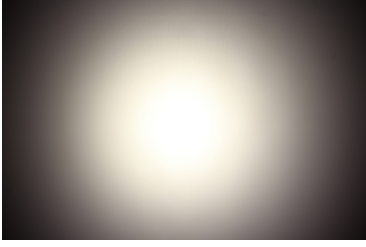
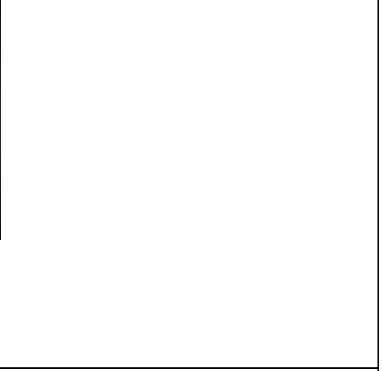
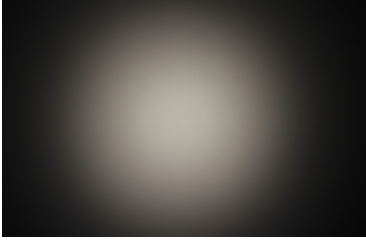
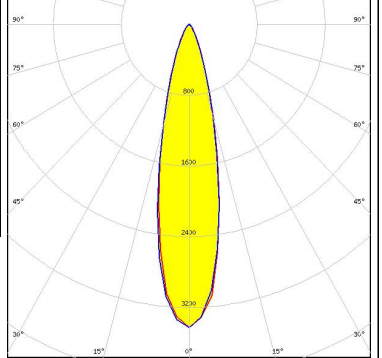


#### LUMILEDS

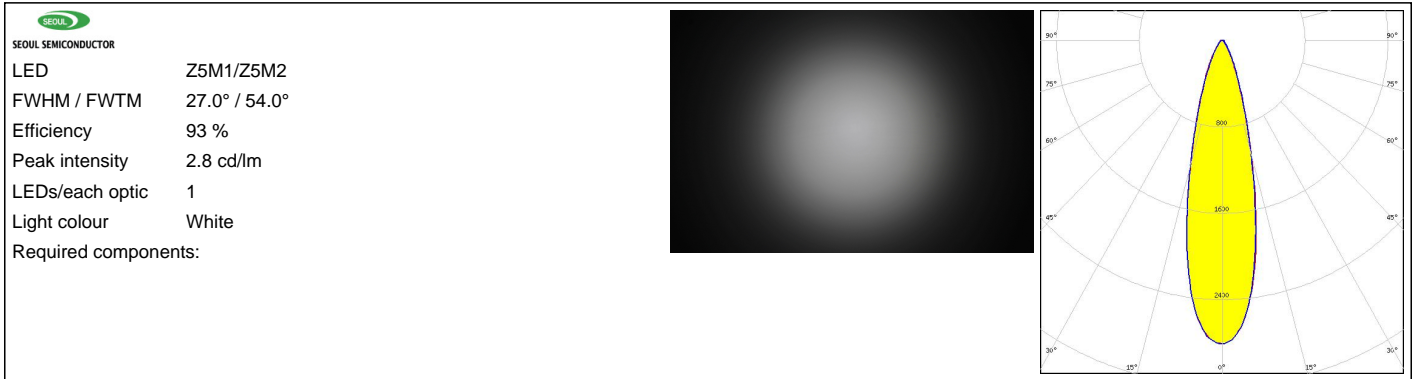
LED LUXEON TX  
 FWHM / FWTM 26.0° / 56.0°  
 Efficiency 86 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NF2x757A            FWHM / FWTM 23.0° / 56.0°            Efficiency 85 %            Peak intensity 2.8 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC            FWHM / FWTM 24.0° / 52.0°            Efficiency 85 %            Peak intensity 3.2 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 80            FWHM / FWTM 18.0° / 44.0°            Efficiency 81 %            Peak intensity 4.4 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH351Z            FWHM / FWTM 24.0° / 50.0°            Efficiency 87 %            Peak intensity 3.4 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		

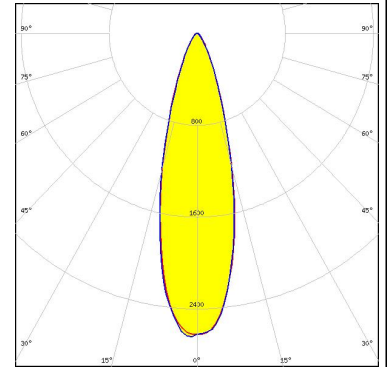
### PHOTOMETRIC DATA (MEASURED):



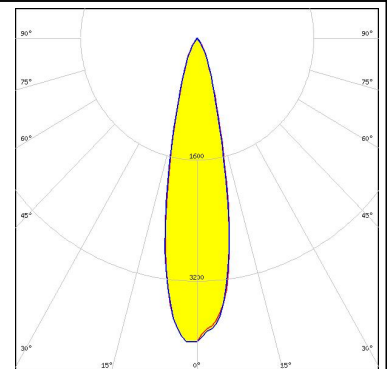
### PHOTOMETRIC DATA (SIMULATED):



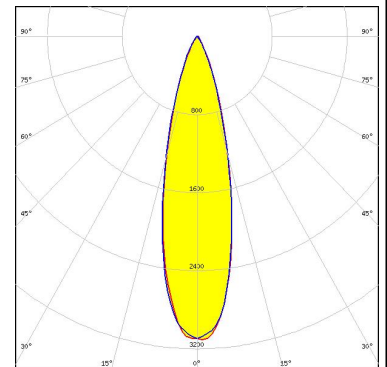
LED XP-G2 HE  
 FWHM / FWTM 28.0° / 56.0°  
 Efficiency 96 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



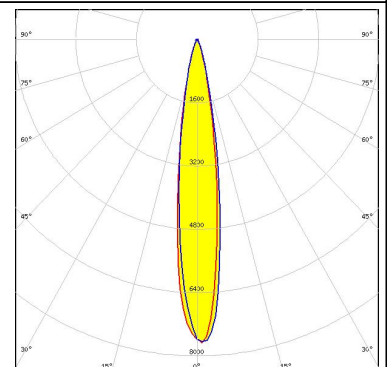
LED LUXEON H50-2  
 FWHM / FWTM 24.0° / 46.0°  
 Efficiency 90 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 26.0° / 51.0°  
 Efficiency 87 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Synios P2720 1/2 mm  
 FWHM / FWTM 16.0° / 33.0°  
 Efficiency 94 %  
 Peak intensity 7.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):





### 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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