

## SATU-S

~19° spot beam optimized for CREE XT-E

### SPECIFICATION:

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

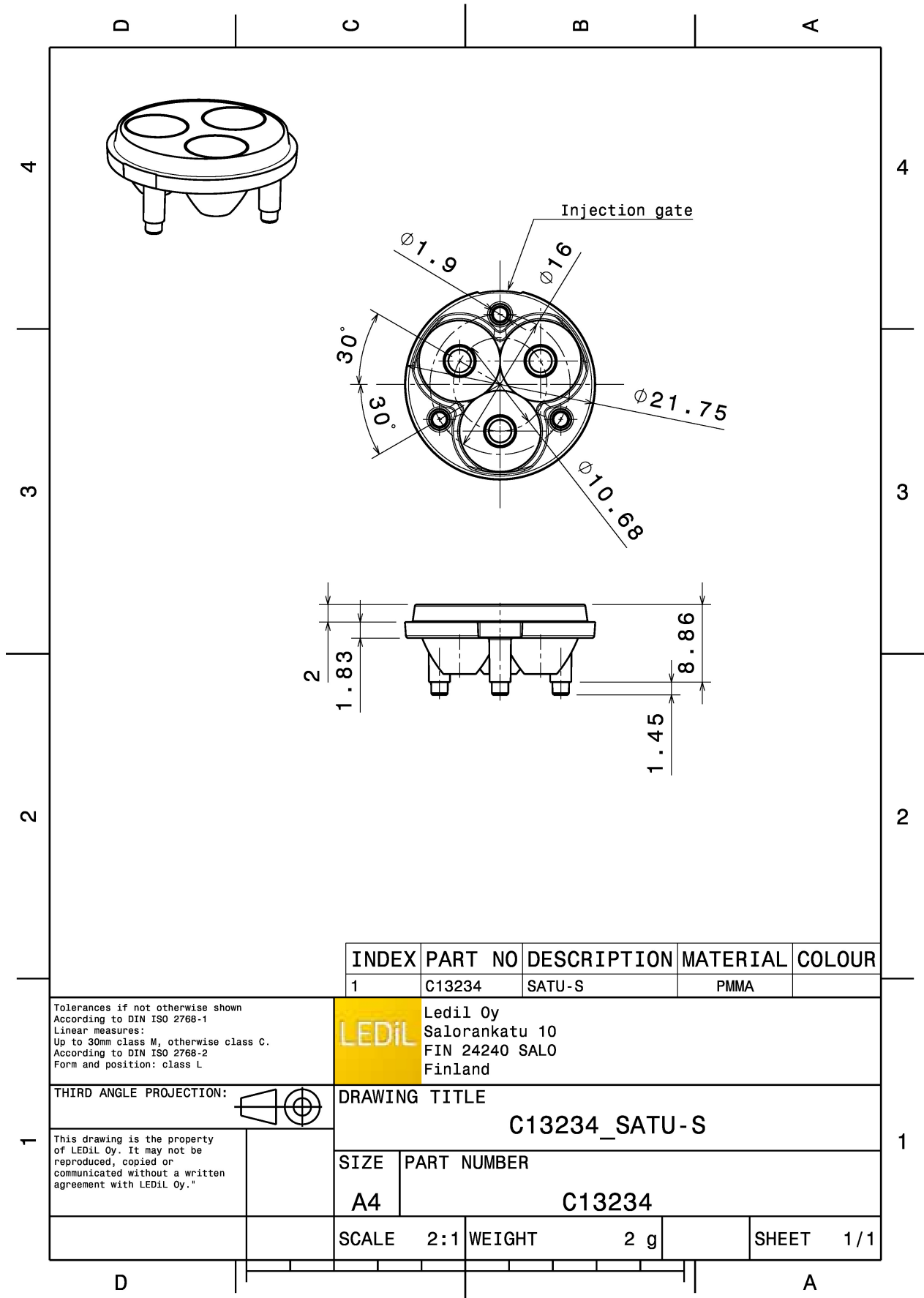


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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

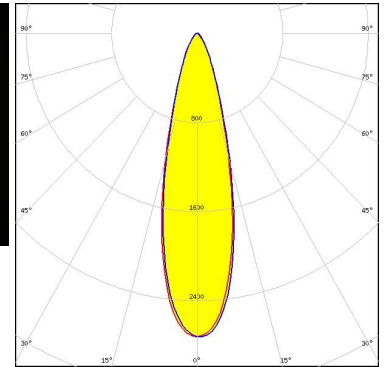
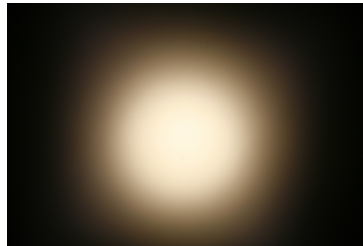


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

#### LUMILEDS

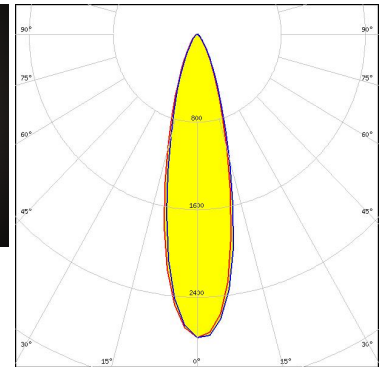
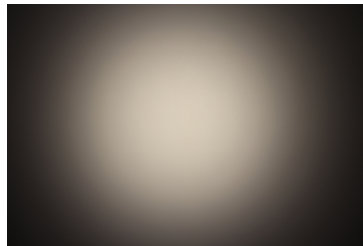
LED LUXEON T  
 FWHM / FWTM 27.0° / 55.0°  
 Efficiency 88 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### LUMILEDS

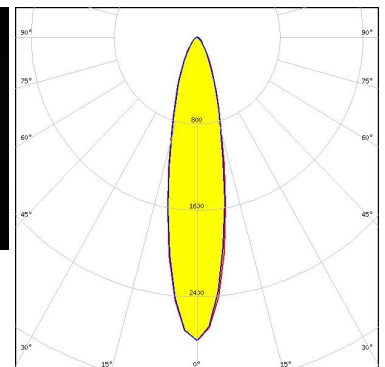
LED LUXEON TX  
 FWHM / FWTM 26.0° / 56.0°  
 Efficiency 86 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### NICHIA

LED NF2x757A  
 FWHM / FWTM 23.0° / 56.0°  
 Efficiency 85 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

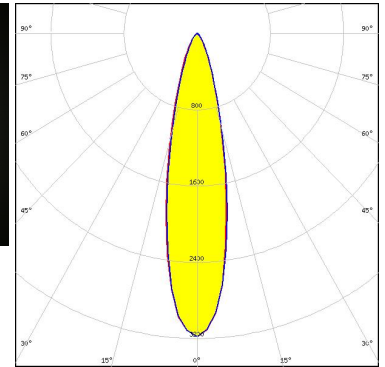


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

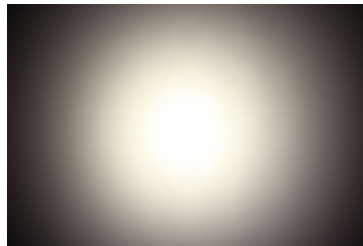
LED OSLON Square EC  
 FWHM / FWTM 24.0° / 52.0°  
 Efficiency 85 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

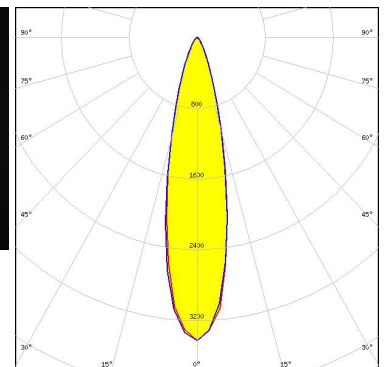
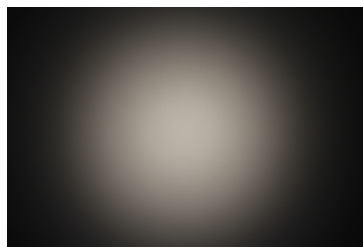
LED OSLON SSL 80  
 FWHM / FWTM 18.0° / 44.0°  
 Efficiency 81 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

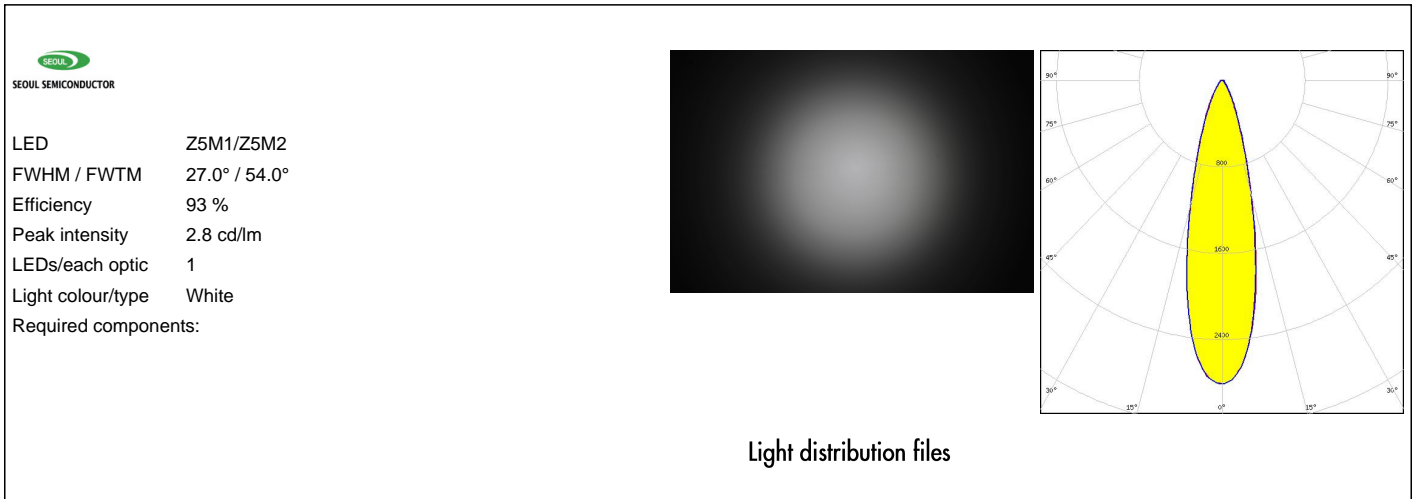
**SAMSUNG**

LED LH351Z  
 FWHM / FWTM 24.0° / 50.0°  
 Efficiency 87 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

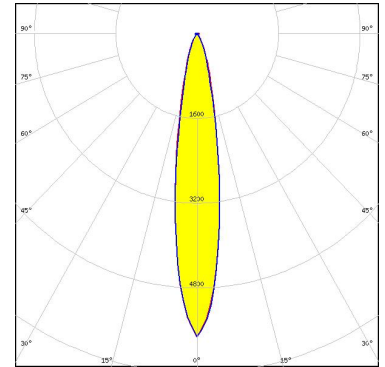
### OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (SIMULATED):



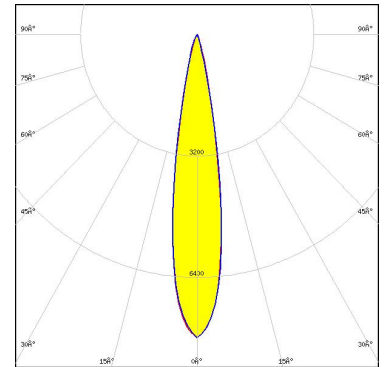
LED J Series 3030  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 96 %  
Peak intensity 5.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



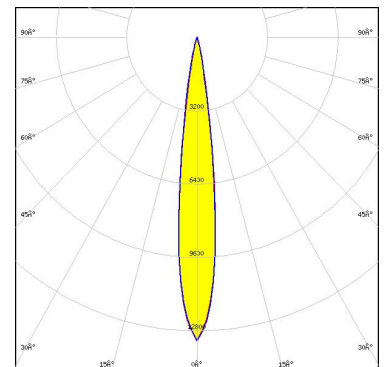
LED XQ-E HD  
FWHM / FWTM 18.0° / 31.0°  
Efficiency 93 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XQ-E HI  
FWHM / FWTM 14.0° / 25.0°  
Efficiency 92 %  
Peak intensity 13.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

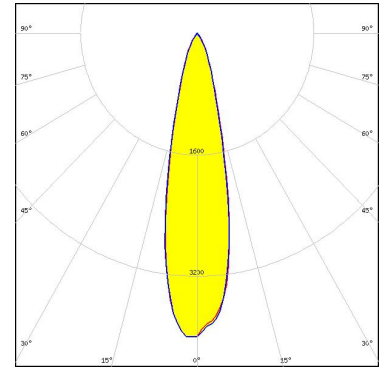


Light distribution files

### OPTICAL RESULTS (SIMULATED):



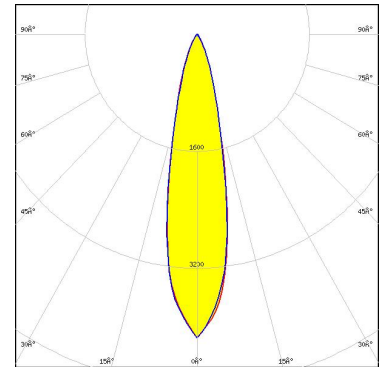
LED LUXEON H50-2  
FWHM / FWTM 24.0° / 46.0°  
Efficiency 90 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



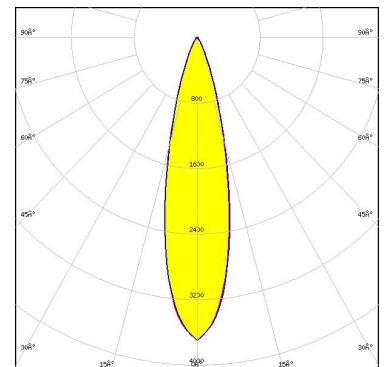
LED OSCONIQ C 3030  
FWHM / FWTM 22.0° / 47.0°  
Efficiency 92 %  
Peak intensity 4.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSOLON Square CSSRM2/CSSRM3  
FWHM / FWTM 24.0° / 48.0°  
Efficiency 96 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

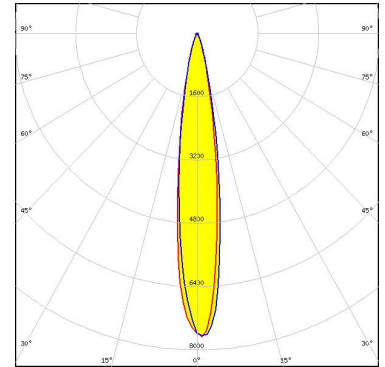


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

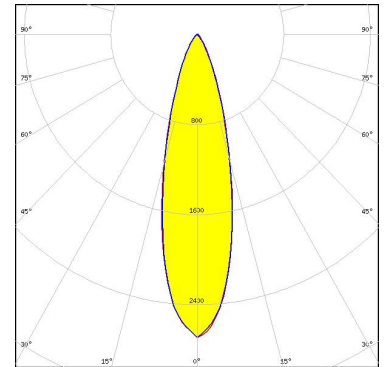
LED Synios P2720 1/2 mm  
FWHM / FWTM 16.0° / 33.0°  
Efficiency 94 %  
Peak intensity 7.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEOL**  
SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM / FWTM 27.0° / 56.0°  
Efficiency 87 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



### 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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