

## SATU-O

~40° + 20° oval beam optimized for CREE XT-E

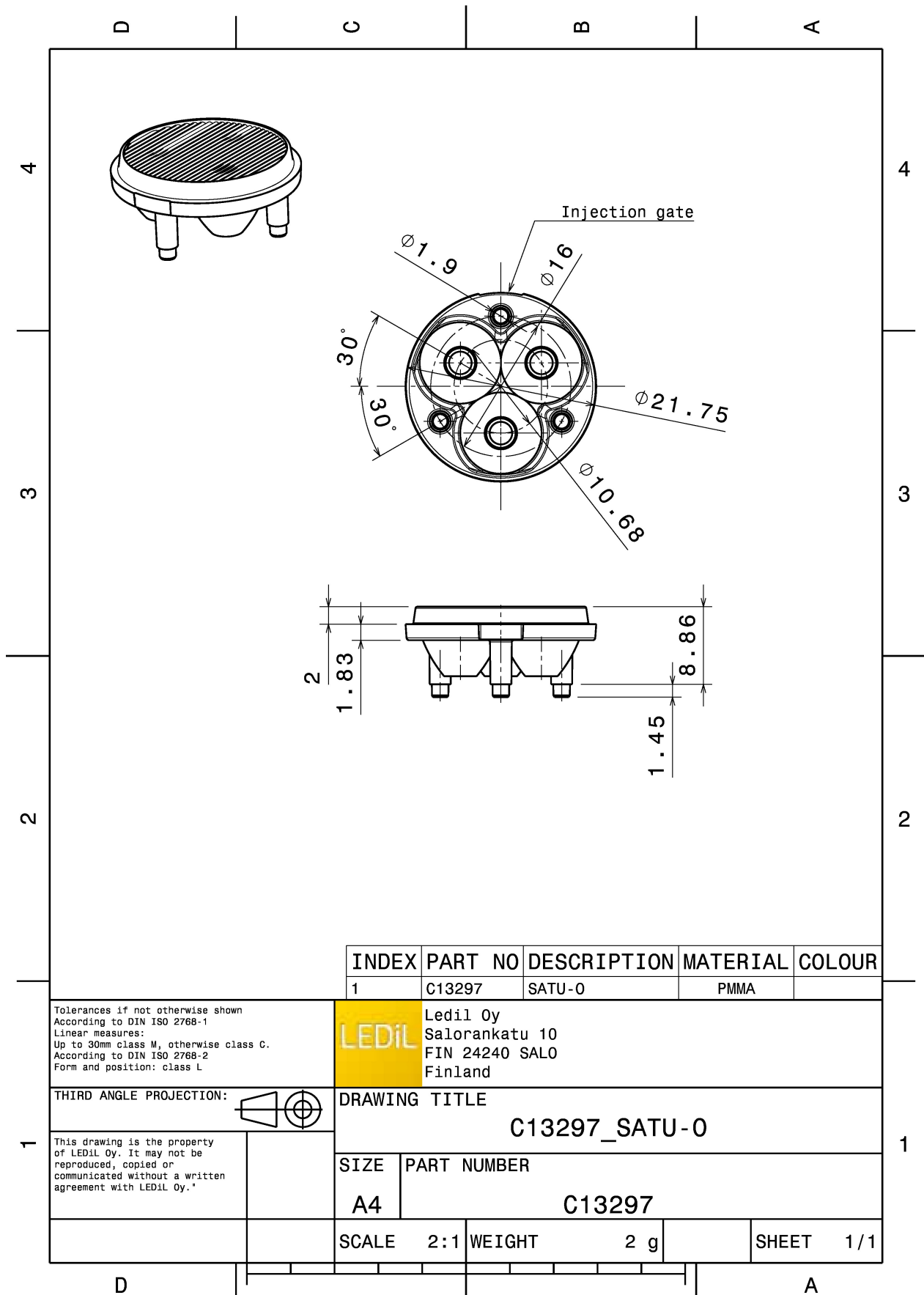
### TECHNICAL SPECIFICATIONS:

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 ⓘ



### MATERIAL SPECIFICATIONS:

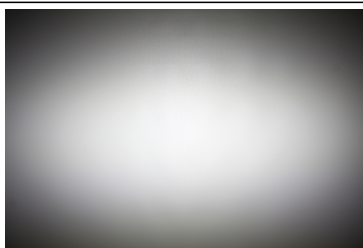
Component	Type	Material	Colour
SATU-O	Multi-lens	PMMA	clear



## PHOTOMETRIC DATA (MEASURED):

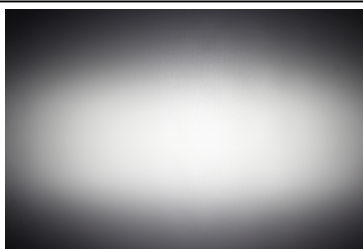
### CREE

LED XB-D  
FWHM 42.0 + 22.0°  
Efficiency 77 %  
Peak intensity 2.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



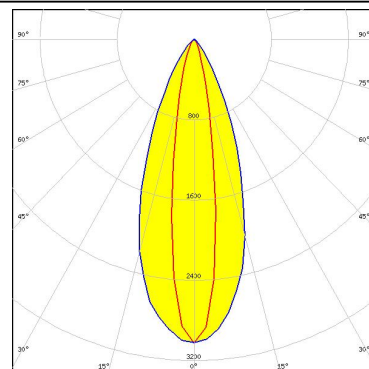
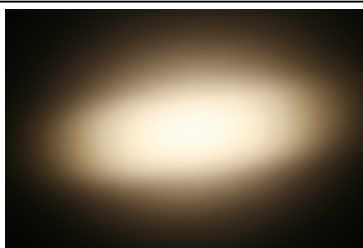
### CREE

LED XP-E  
FWHM 41.0 + 17.0°  
Efficiency 83 %  
Peak intensity 2.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



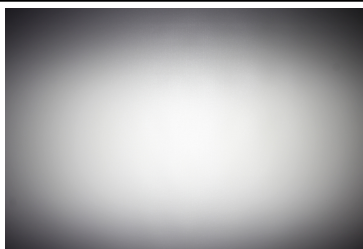
### CREE

LED XP-E2  
FWHM 40.0 + 17.0°  
Efficiency 85 %  
Peak intensity 3.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### CREE

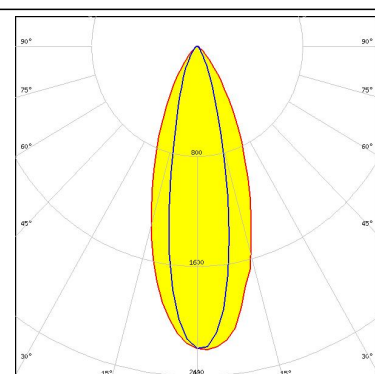
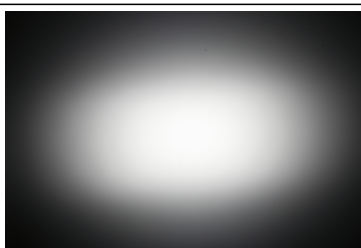
LED XP-G  
FWHM 39.0 + 23.0°  
Efficiency 79 %  
Peak intensity 2.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



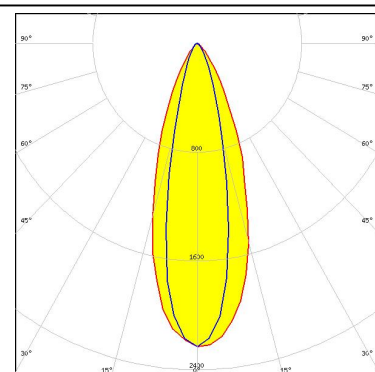
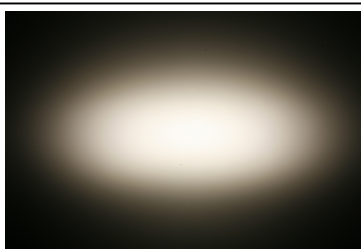
### PHOTOMETRIC DATA (MEASURED):



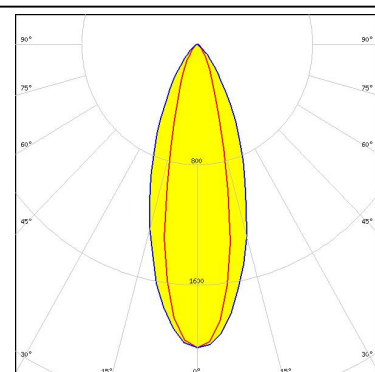
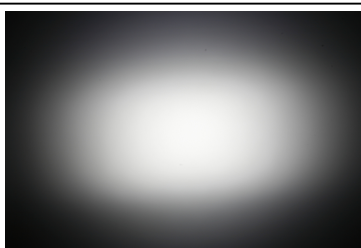
LED XP-G2  
FWHM 39.0 + 24.0°  
Efficiency 84 %  
Peak intensity 2.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



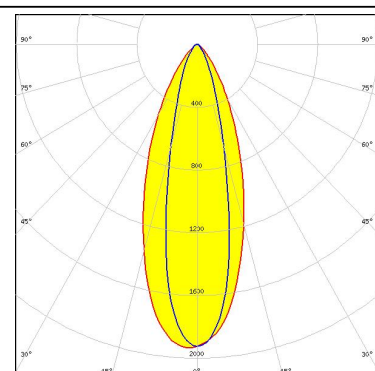
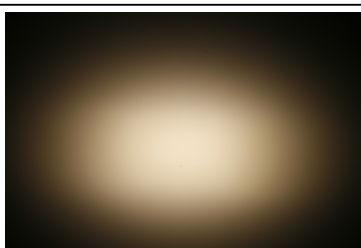
LED H35B0 (LEMWA32)  
FWHM 39.0 + 24.0°  
Efficiency 84 %  
Peak intensity 2.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35C0 (LEMWA33)  
FWHM 39.0 + 25.0°  
Efficiency 82 %  
Peak intensity 2.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



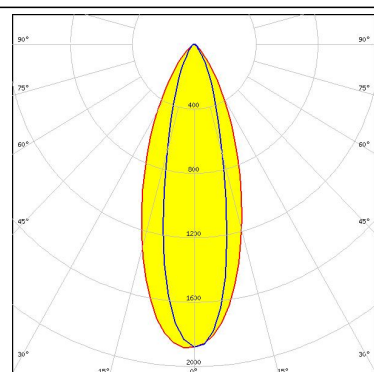
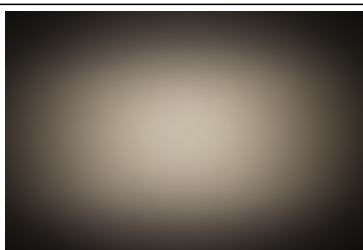
LED LUXEON T  
FWHM 40.0 + 24.0°  
Efficiency 84 %  
Peak intensity 2.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



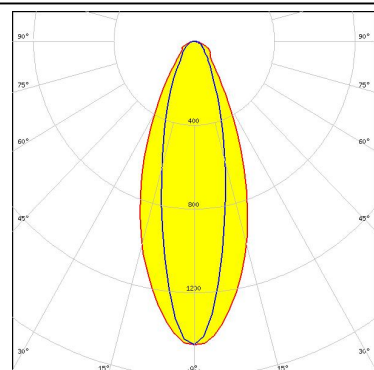
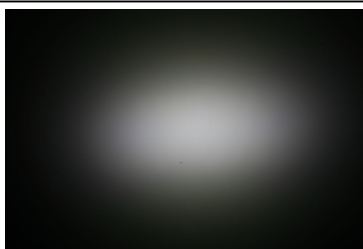
#### PHOTOMETRIC DATA (MEASURED):



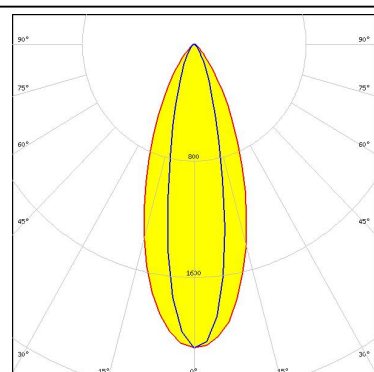
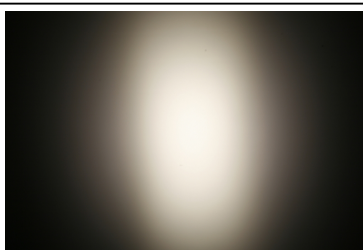
LED LUXEON TX  
 FWHM 40.0 + 25.0°  
 Efficiency 79 %  
 Peak intensity 1.900 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



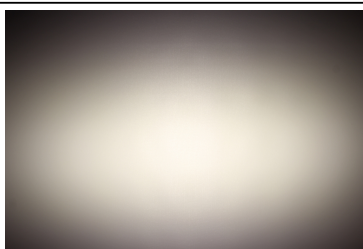
LED NF2x757A  
 FWHM 43.0 + 26.0°  
 Efficiency 81 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Oslon Square EC  
 FWHM 41.0 + 23.0°  
 Efficiency 82 %  
 Peak intensity 2.000 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



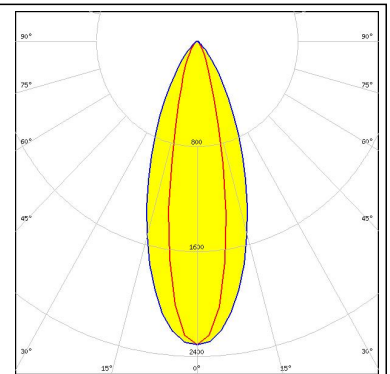
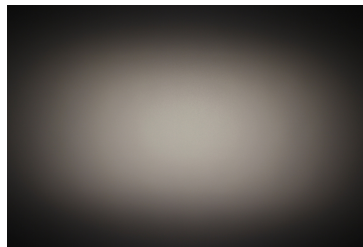
LED Oslon SSL 80  
 FWHM 41.0 + 18.0°  
 Efficiency 79 %  
 Peak intensity 2.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



## PHOTOMETRIC DATA (MEASURED):

### SAMSUNG

LED LH351Z  
FWHM 40.0 + 23.0°  
Efficiency 84 %  
Peak intensity 2.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

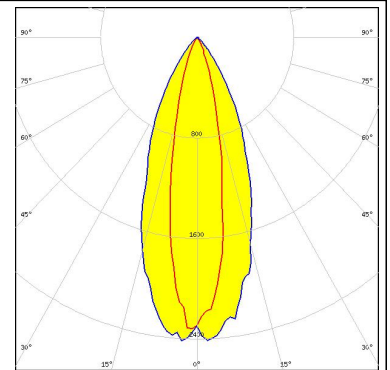




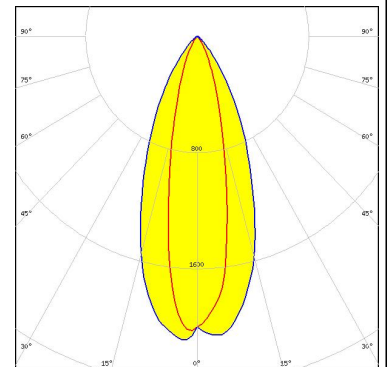
### PHOTOMETRIC DATA (SIMULATED):



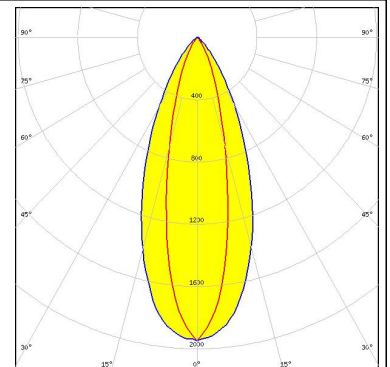
LED XT-E  
FWHM 20.0 + 40.0°  
Efficiency %  
Peak intensity cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



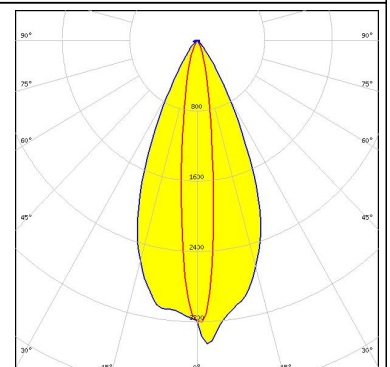
LED LUXEON H50-2  
FWHM 22.0 + 42.0°  
Efficiency 85 %  
Peak intensity 2.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM 43.0 + 24.0°  
Efficiency 82 %  
Peak intensity 1.950 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



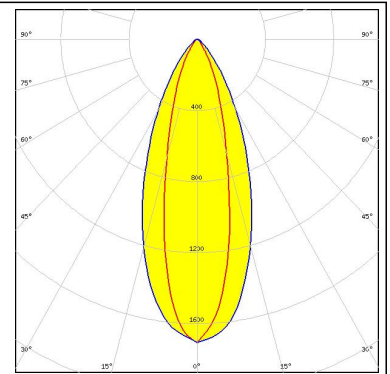
LED Synios P2720 1/2 mm  
FWHM 25.0 + 12.0°  
Efficiency 91 %  
Peak intensity 3.450 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



LED Z8Y22P  
FWHM 43.0 + 26.0°  
Efficiency 80 %  
Peak intensity 1.710 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





### 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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