

SATU-O

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

SPECIFICATION:

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

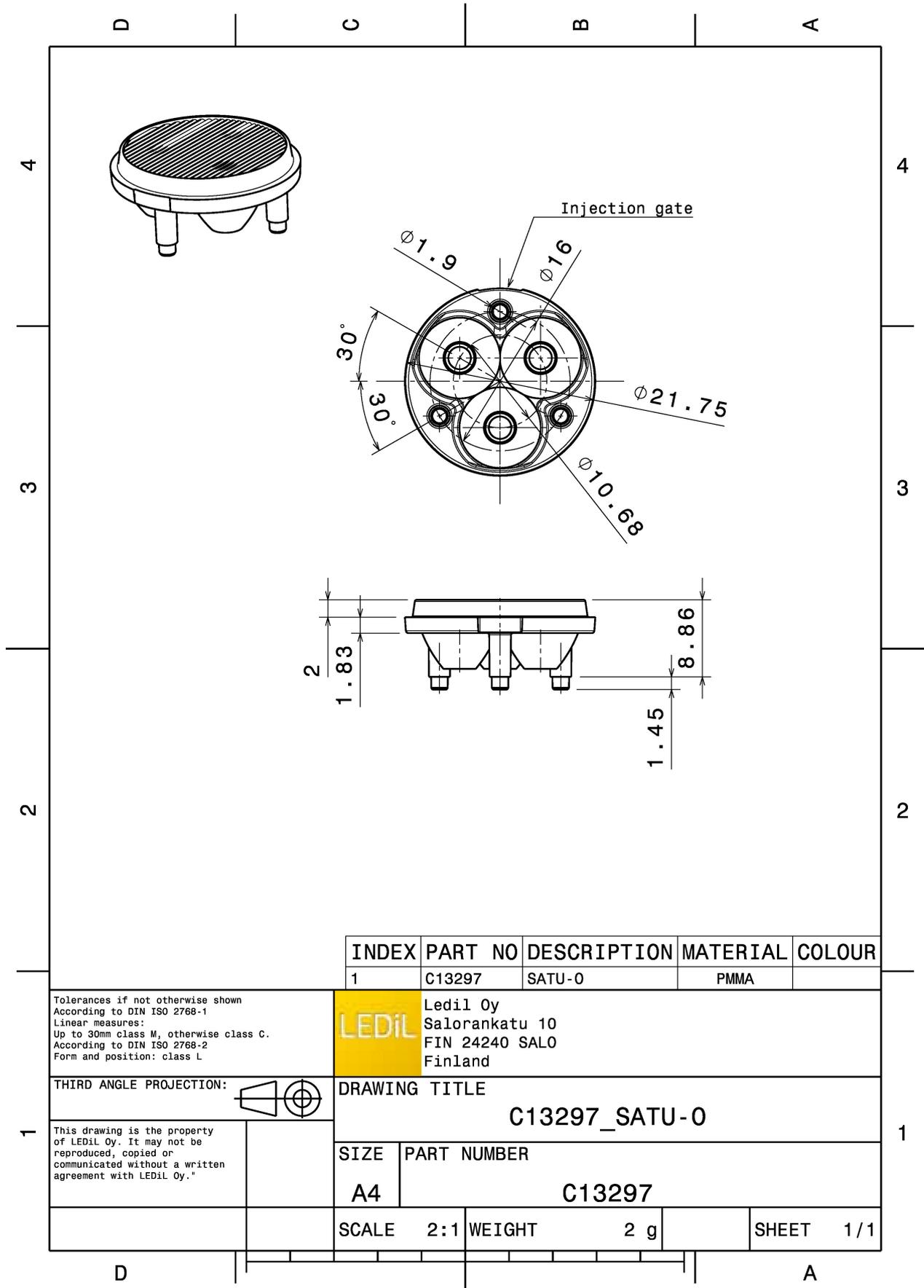
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
SATU-O	Multi-lens	PMMA	clear		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13297_SATU-O » Box size: 480 x 280 x 300 mm	2880	120	120	7.7

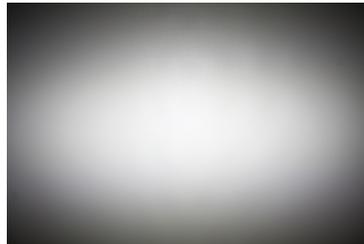


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



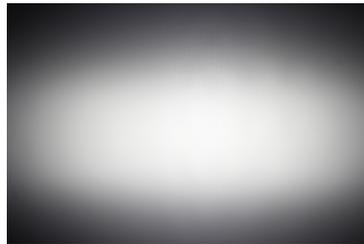
LED XB-D
 FWHM / FWTM 42.0 + 22.0° / 76.0 + 52.0°
 Efficiency 77 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



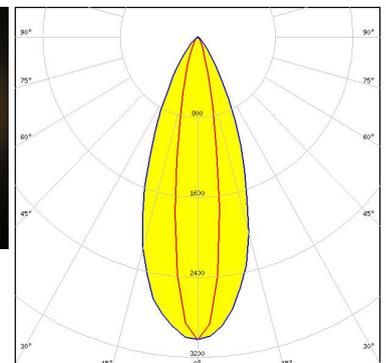
LED XP-E
 FWHM / FWTM 41.0 + 17.0° / 74.0 + 42.0°
 Efficiency 83 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-E2
 FWHM / FWTM 40.0 + 17.0° / 71.0 + 39.0°
 Efficiency 85 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

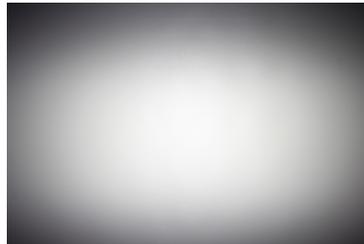


Light distribution files

OPTICAL RESULTS (MEASURED):



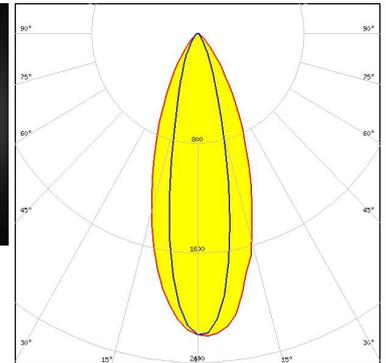
LED XP-G
FWHM / FWTM 39.0 + 23.0° / 78.0 + 52.0°
Efficiency 79 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



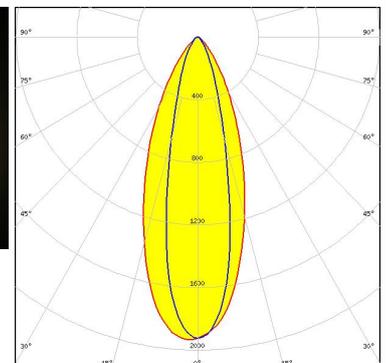
LED XP-G2
FWHM / FWTM 39.0 + 24.0° / 76.0 + 52.0°
Efficiency 84 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON T
FWHM / FWTM 40.0 + 24.0° / 79.0 + 55.0°
Efficiency 84 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

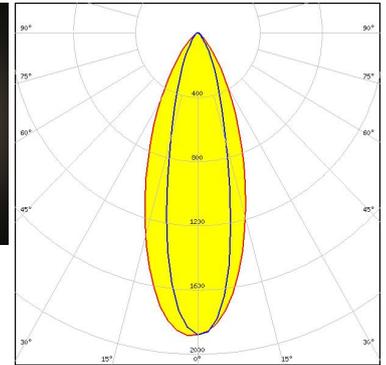
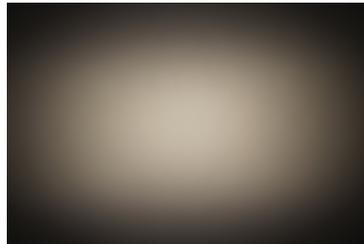


Light distribution files

OPTICAL RESULTS (MEASURED):



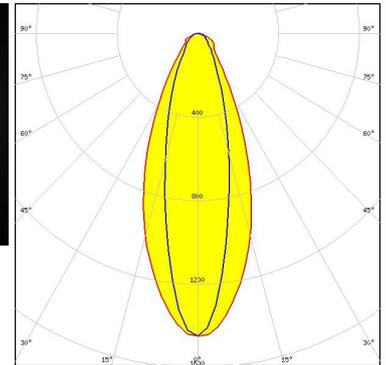
LED LUXEON TX
FWHM / FWTM 40.0 + 25.0° / 76.0 + 56.0°
Efficiency 79 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



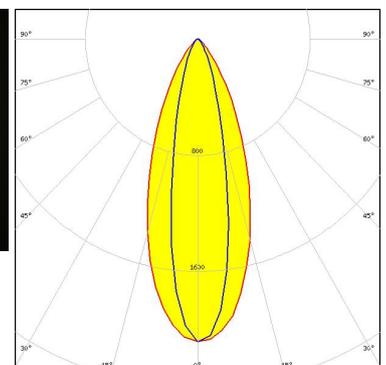
LED NF2x757A
FWHM / FWTM 43.0 + 26.0° / 84.0 + 69.0°
Efficiency 81 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLOM Square EC
FWHM / FWTM 41.0 + 23.0° / 76.0 + 51.0°
Efficiency 82 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

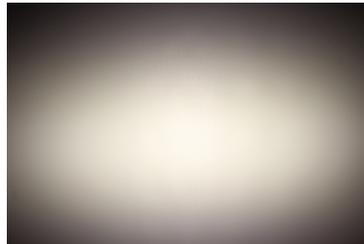


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

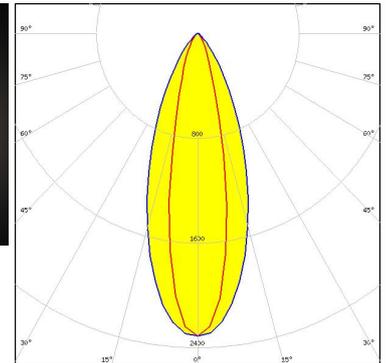
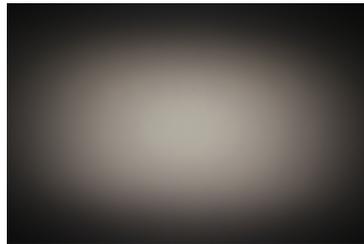
LED OSLON SSL 80
FWHM / FWTM 41.0 + 18.0° / 74.0 + 46.0°
Efficiency 79 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351Z
FWHM / FWTM 40.0 + 23.0° / 76.0 + 49.0°
Efficiency 84 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

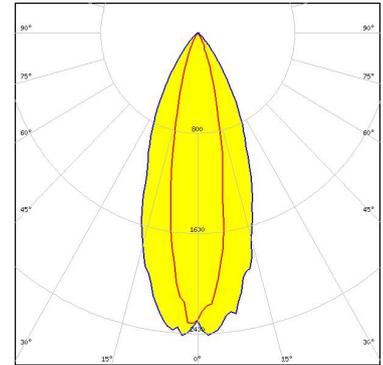


Light distribution files

OPTICAL RESULTS (SIMULATED):



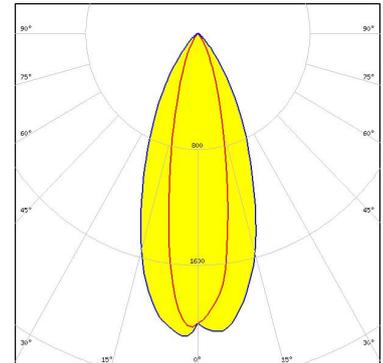
LED XT-E
 FWHM / FWTM 20.0 + 40.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



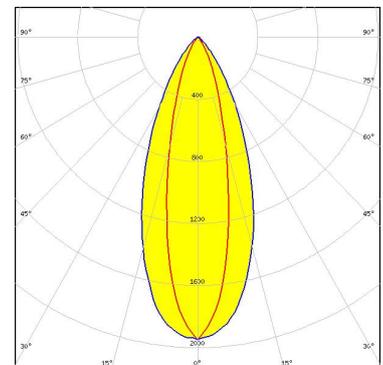
LED LUXEON H50-2
 FWHM / FWTM 22.0 + 42.0° / 51.0 + 78.0°
 Efficiency 85 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 43.0 + 24.0° / 79.0 + 54.0°
 Efficiency 82 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

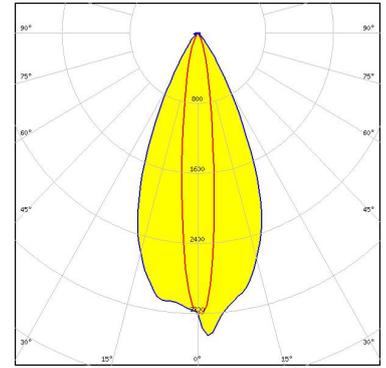


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

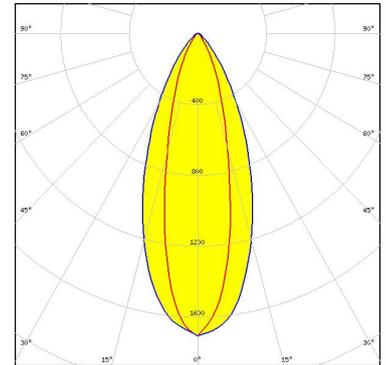
LED Synios P2720 1/2 mm
FWHM / FWTM 25.0 + 12.0° / 69.0 + 34.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM / FWTM 43.0 + 26.0° / 81.0 + 58.0°
Efficiency 80 %
Peak intensity 1.7 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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