

VERONICA-SQ-MINI-W

~55° wide beam

SPECIFICATION:

Dimensions	13.9 x 13.9
Height	8.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

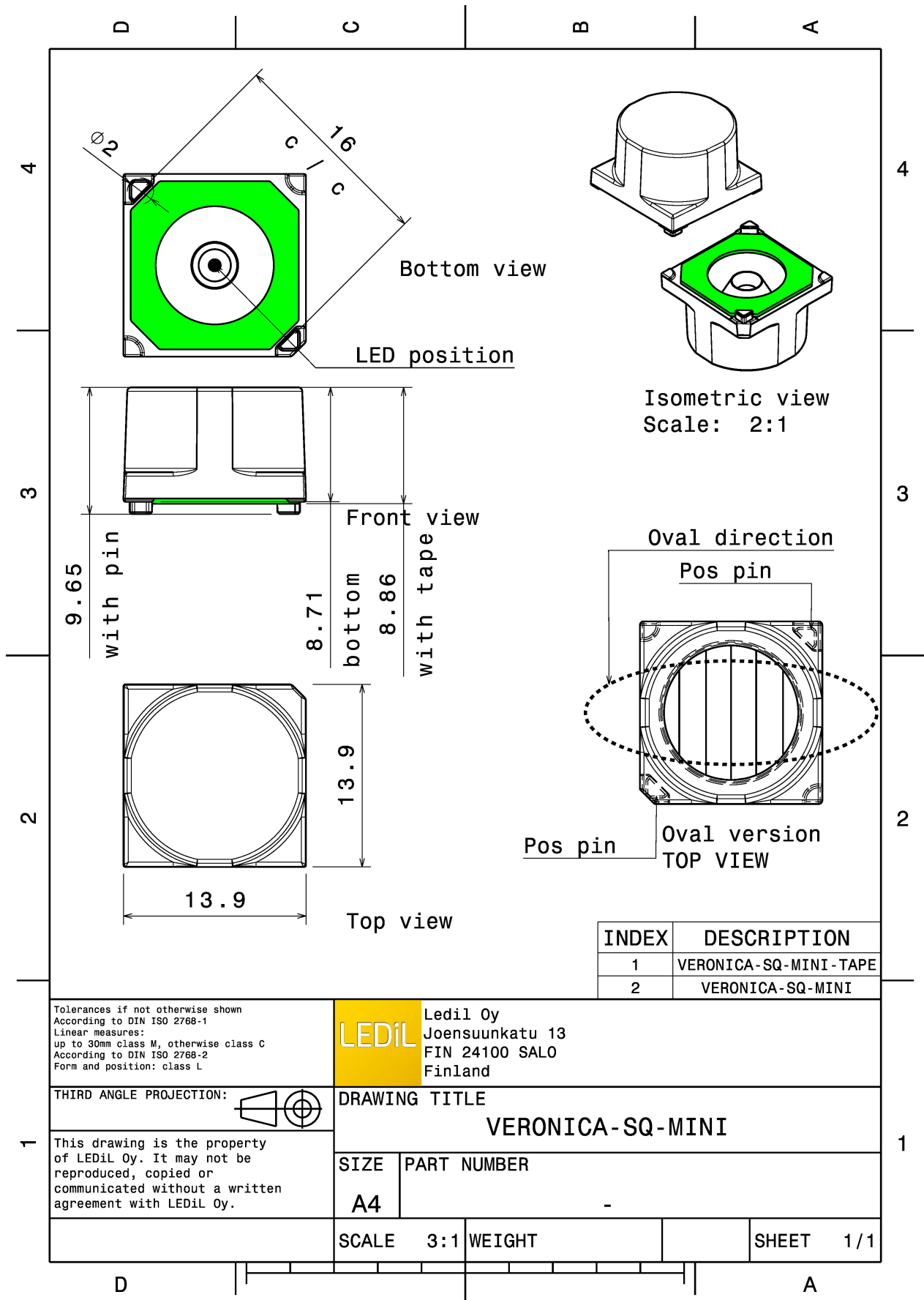


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
VERONICA-SQ-MINI-W	Single lens	PMMA	clear		
VERONICA-SQ-MINI-TAPE	Tape	Acrylic foam	clear		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA15231_VERONICA-SQ-MINI-W	Single lens	5544	252	252	8.6
» Box size: 480 x 280 x 300 mm					



INDEX	DESCRIPTION
1	VERONICA-SQ-MINI-TAPE
2	VERONICA-SQ-MINI

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 up to 30mm class M, otherwise class C
 According to DIN ISO 2768-2
 Form and position: class L

LEDiL Ledil Oy
 Joensuunkatu 13
 FIN 24100 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA-SQ-MINI

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SIZE	PART NUMBER
A4	-

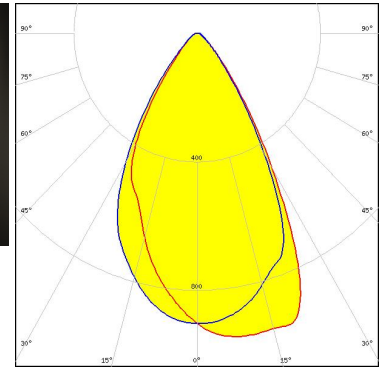
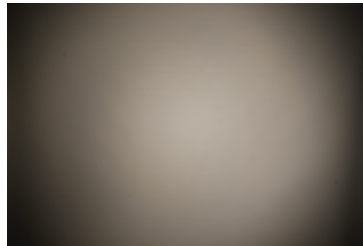
SCALE	3:1	WEIGHT	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



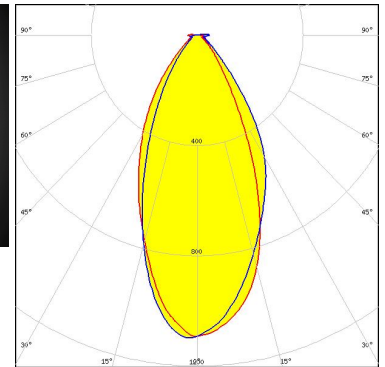
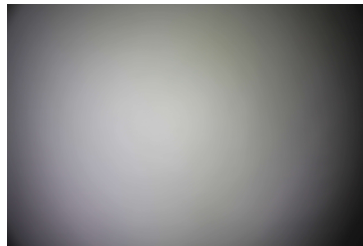
LED XP-G2
 FWHM / FWTM 56.8° / 87.5°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



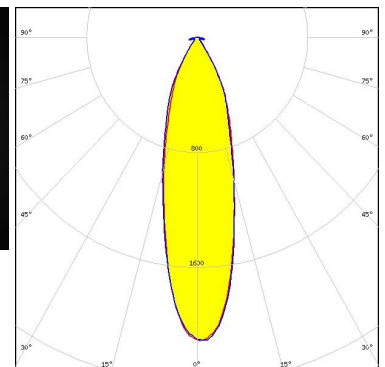
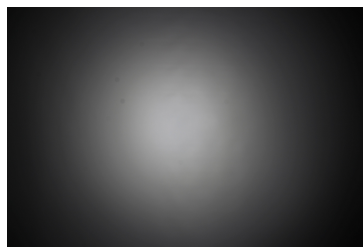
LED XP-G3
 FWHM / FWTM 49.0° / 89.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NCSxE17A
 FWHM / FWTM 28.0° / 65.0°
 Efficiency 91 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

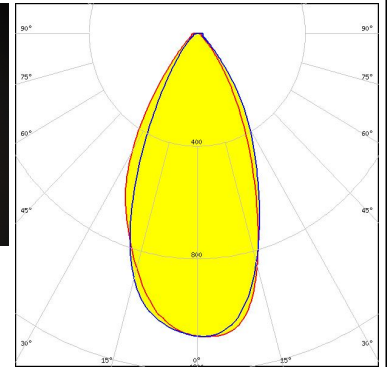
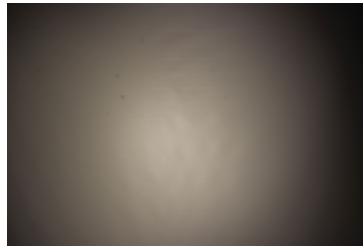


Light distribution files

OPTICAL RESULTS (MEASURED):



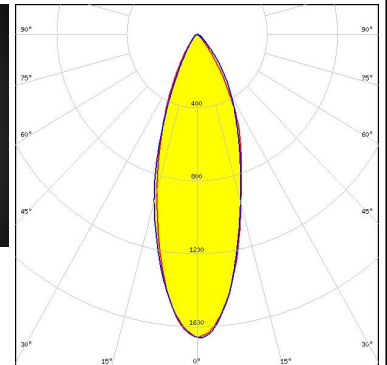
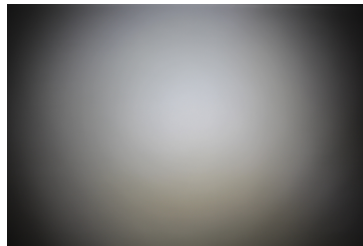
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 50.0° / 85.0°
 Efficiency 92 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Duris S5 (2 chip)
 FWHM / FWTM 34.0° / 69.0°
 Efficiency 82 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFH 4170S
 FWHM / FWTM 31.0° / 72.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

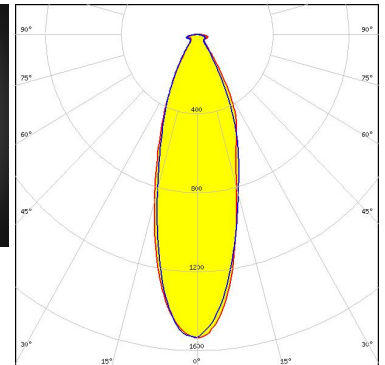
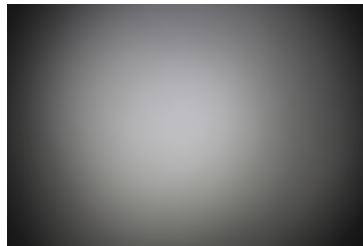
OSRAM
Opto Semiconductors

LED SFH 4180S
FWHM / FWTM 30.0° / 72.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

SAMSUNG

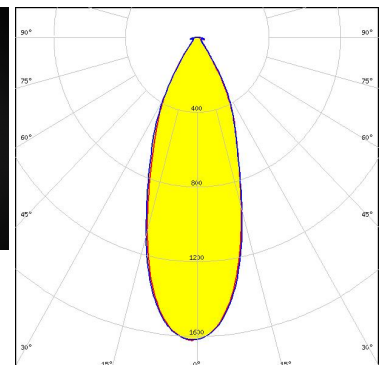
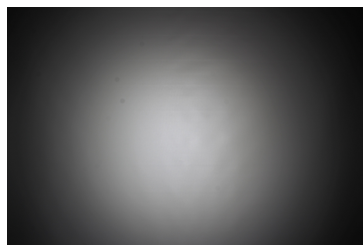
LED LH181A
FWHM / FWTM 32.0° / 68.0°
Efficiency 89 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files


SAMSUNG

LED LH181B
FWHM / FWTM 37.0° / 71.0°
Efficiency 94 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

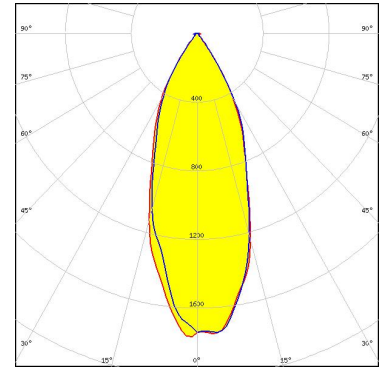
 SEKOL SEMICONDUCTOR		
LED	Z8Y22P	
FWHM / FWTM	46.0° / 82.0°	
Efficiency	92 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		

Light distribution files

OPTICAL RESULTS (SIMULATED):



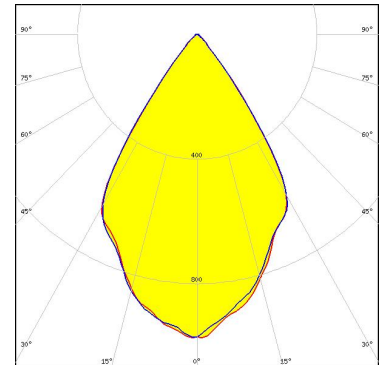
LED J Series 3030
 FWHM / FWTM 38.0° / 72.0°
 Efficiency 96 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



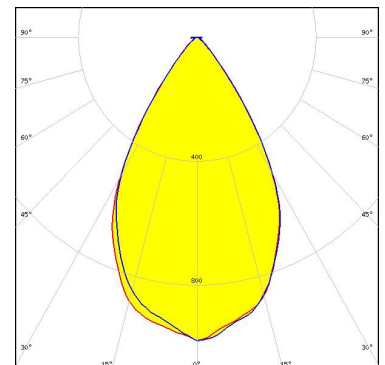
LED XP-E2
 FWHM / FWTM 66.0° / 84.0°
 Efficiency 96 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM 61.0° / 86.0°
 Efficiency 96 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

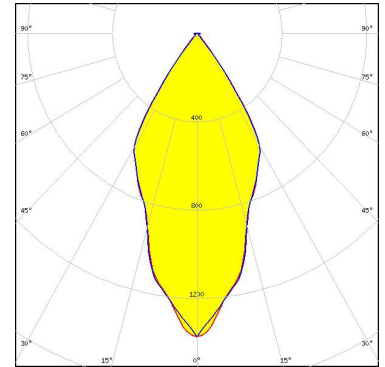


Light distribution files

OPTICAL RESULTS (SIMULATED):



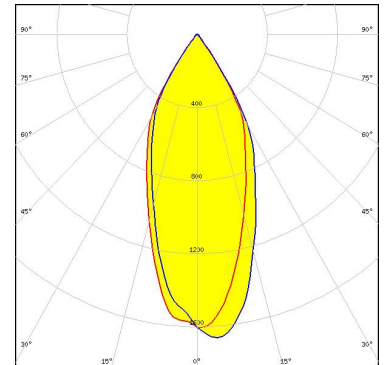
LED XQ-E HD
FWHM / FWTM 48.0° / 76.0°
Efficiency 96 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



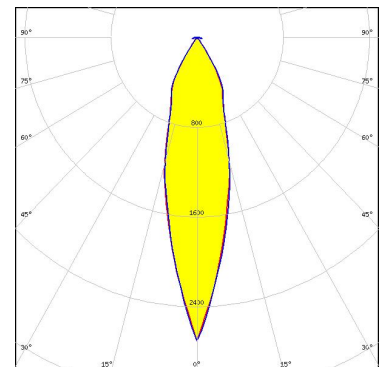
LED LUXEON 2835 Line
FWHM / FWTM 41.0° / 74.0°
Efficiency 96 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type PC Amber
Required components:



Light distribution files



LED LUXEON HL1Z
FWHM / FWTM 26.0° / 64.0°
Efficiency 95 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

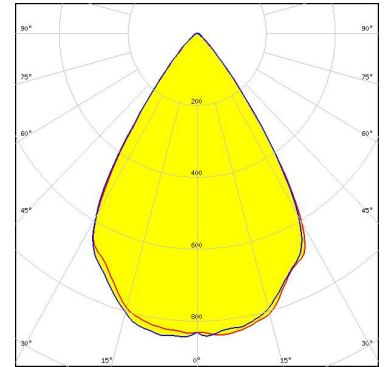


Light distribution files

OPTICAL RESULTS (SIMULATED):



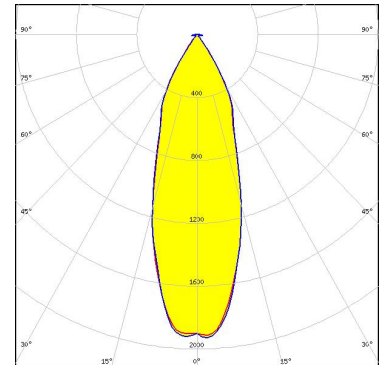
LED LUXEON HL2X
FWHM / FWTM 68.0° / 89.0°
Efficiency 96 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



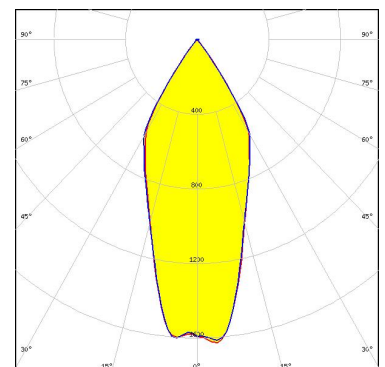
LED NVSxE21A
FWHM / FWTM 34.0° / 68.0°
Efficiency 94 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSOLON Pure 1414
FWHM / FWTM 41.0 + 42.0° / 74.0°
Efficiency 96 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

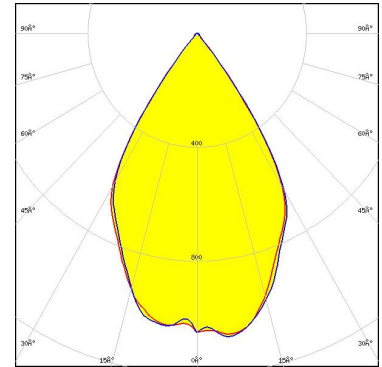


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

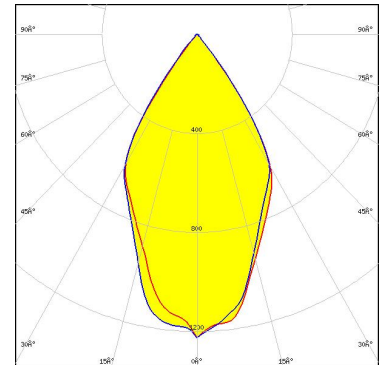
LED OSLON Signal
 FWHM / FWTM 64.0° / 80.0°
 Efficiency 97 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Green
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

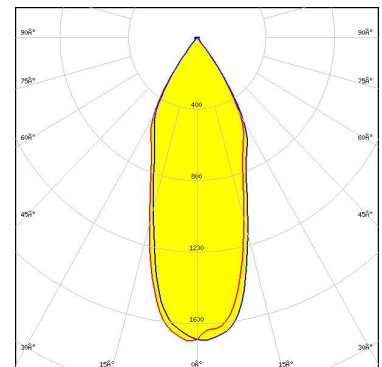
LED OSLON Signal
 FWHM / FWTM 60.0° / 80.0°
 Efficiency 97 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Signal
 FWHM / FWTM 37.0° / 74.0°
 Efficiency 96 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type Yellow
 Required components:

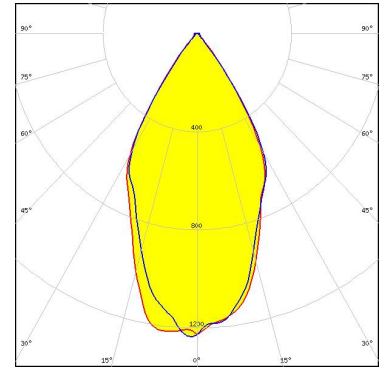


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

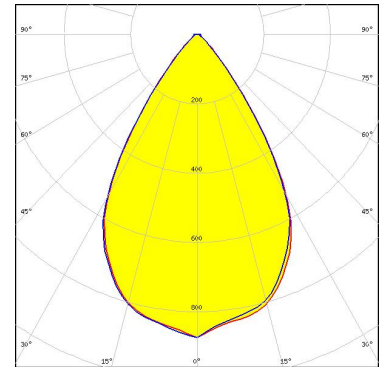
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 57.0° / 80.0°
Efficiency 97 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

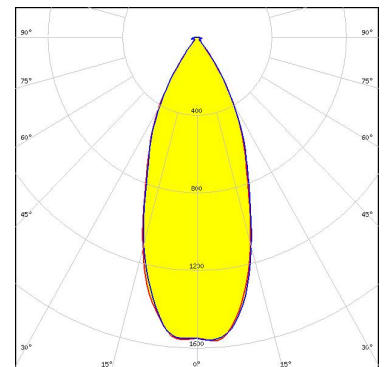
LED LH351B
FWHM / FWTM 65.0° / 90.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEMI
SEOUL SEMICONDUCTOR

LED Z8Y22T
FWHM / FWTM 41.0° / 72.0°
Efficiency 94 %
Peak intensity 1.6 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:

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LEDiL Oy

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