

VERONICA-SQ-O

~55° + 12° oval beam

SPECIFICATION:

Dimensions	Ø 22.5
Height	12.2 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

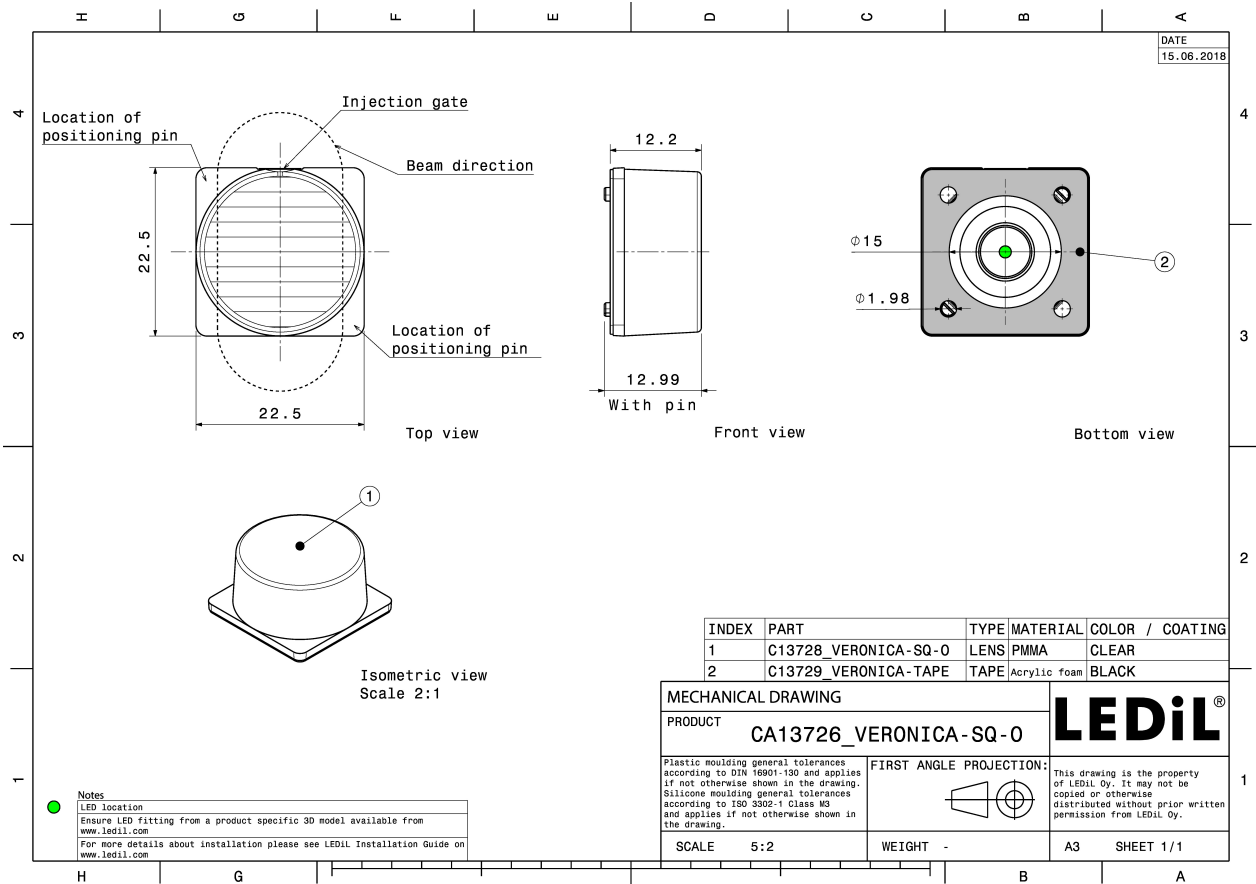
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
VERONICA-SQ-O	Single lens	PMMA	clear		
VERONICA-TAPE	Tape	Acryl tape	clear		



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13726_VERONICA-SQ-O	Single lens	1980	360	90	8.2
» Box size: 476 x 273 x 197 mm					

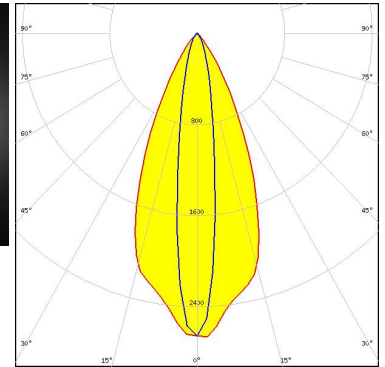
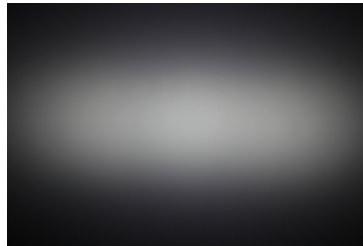


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



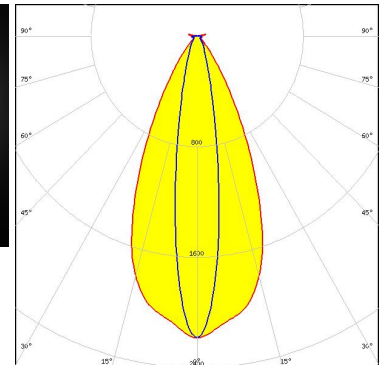
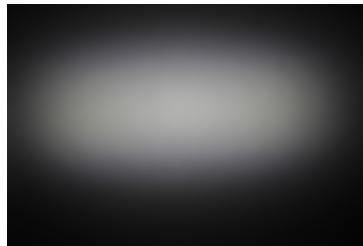
LED XB-H
 FWHM / FWTM 45.0 + 16.0° / 73.0 + 40.0°
 Efficiency 77 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



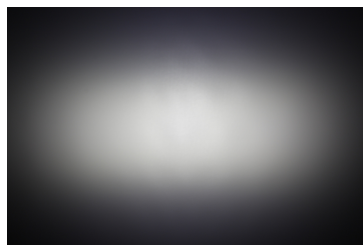
LED XD16
 FWHM / FWTM 47.0 + 17.0° / 76.0 + 41.0°
 Efficiency 87 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XHP35 HD
 FWHM / FWTM 45.0 + 20.0° / 78.0 + 48.0°
 Efficiency 73 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):



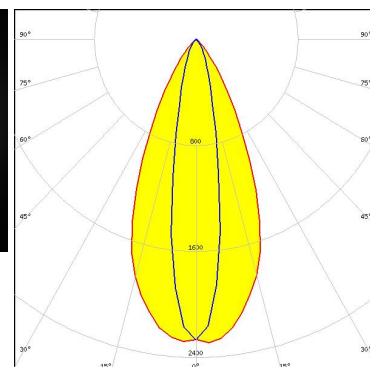
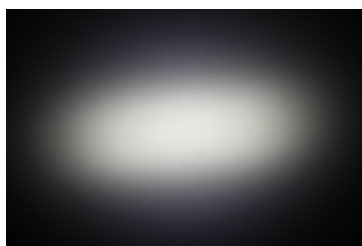
LED XHP35 HI
 FWHM / FWTM 46.0 + 16.0° / 74.0 + 40.0°
 Efficiency 75 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



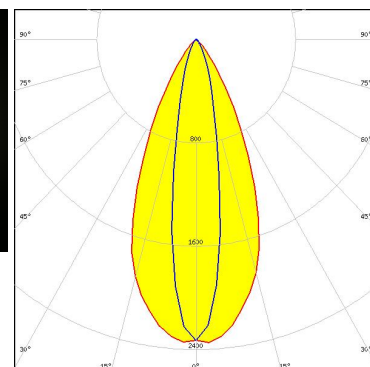
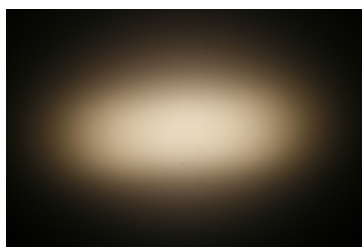
LED XM-L
 FWHM / FWTM 47.0 + 20.0° / 77.0 + 46.0°
 Efficiency 80 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XM-L2
 FWHM / FWTM 47.0 + 20.0° / 76.0 + 45.0°
 Efficiency 80 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

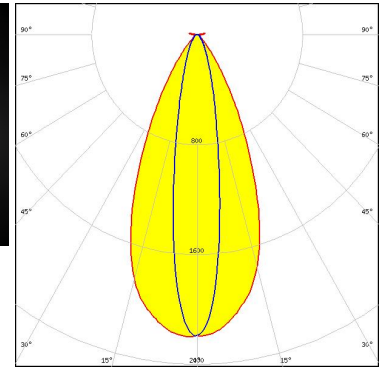
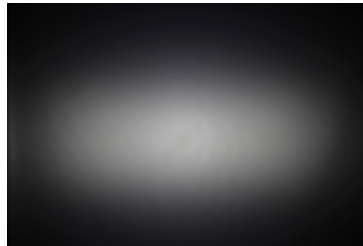


Light distribution files

OPTICAL RESULTS (MEASURED):



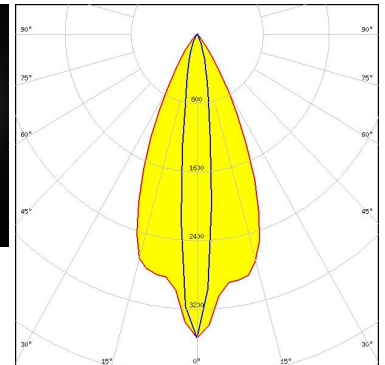
LED XM-L3
 FWHM / FWTM 47.0 + 19.0° / 77.0 + 46.0°
 Efficiency 88 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



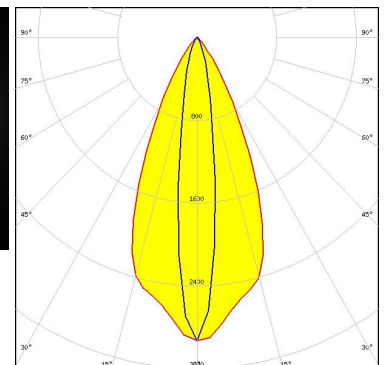
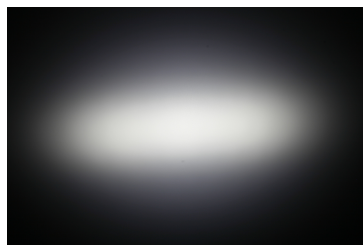
LED XP-E2
 FWHM / FWTM 46.0 + 12.0° / 71.0 + 34.0°
 Efficiency 80 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G2
 FWHM / FWTM 47.0 + 14.0° / 76.0 + 40.0°
 Efficiency 80 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

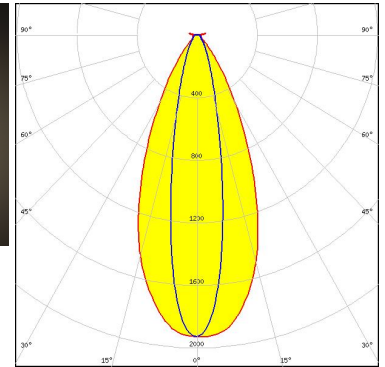
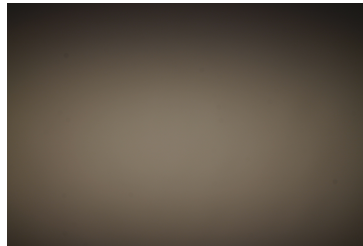


Light distribution files

OPTICAL RESULTS (MEASURED):



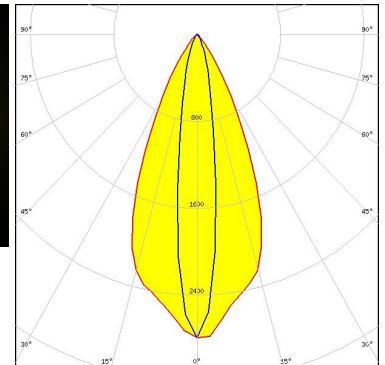
LED XP-L2
 FWHM / FWTM 45.0 + 20.0° / 78.0 + 49.0°
 Efficiency 86 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



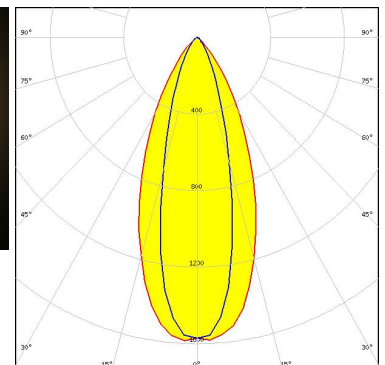
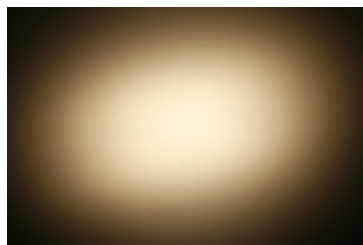
LED XT-E
 FWHM / FWTM 47.0 + 16.0° / 74.0 + 40.0°
 Efficiency 79 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON M/MX
 FWHM / FWTM 45.0 + 28.0° / 81.0 + 60.0°
 Efficiency 76 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

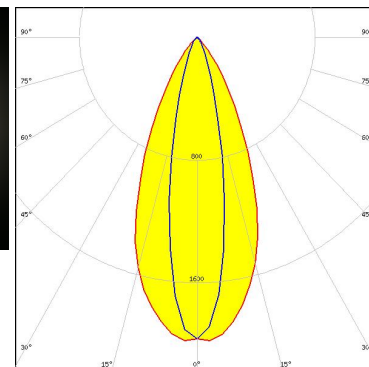
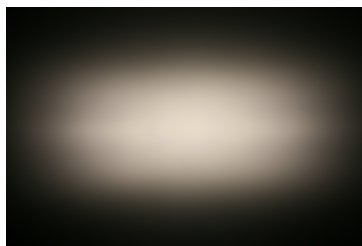


Light distribution files

OPTICAL RESULTS (MEASURED):



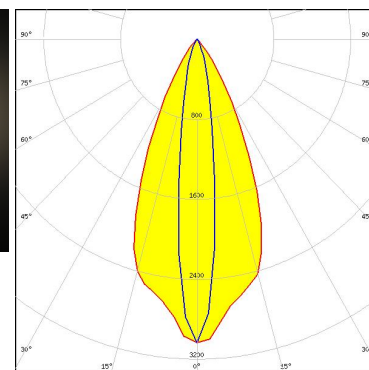
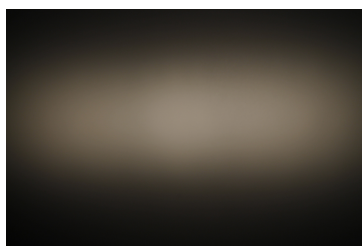
LED LUXEON MZ
 FWHM / FWTM 47.0 + 23.0° / 77.0 + 46.0°
 Efficiency 73 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



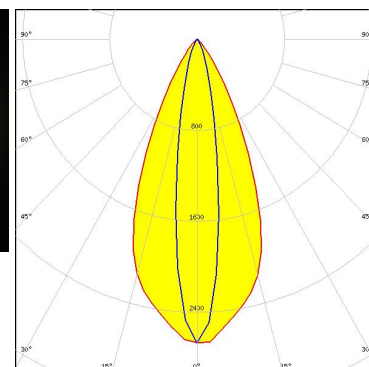
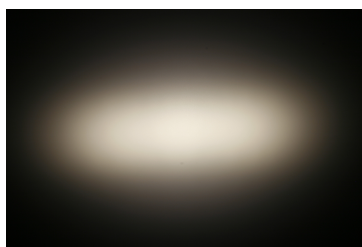
LED LUXEON Rebel
 FWHM / FWTM 47.0 + 15.0° / 72.0 + 38.0°
 Efficiency 80 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rebel ES
 FWHM / FWTM 47.0 + 17.0° / 74.0 + 39.0°
 Efficiency 80 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

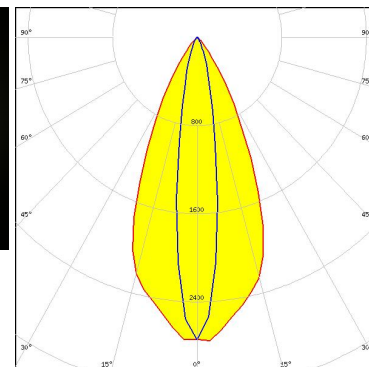
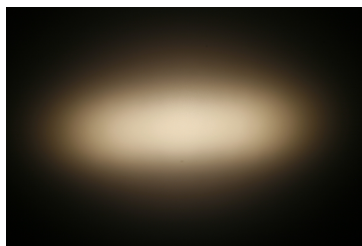


Light distribution files

OPTICAL RESULTS (MEASURED):



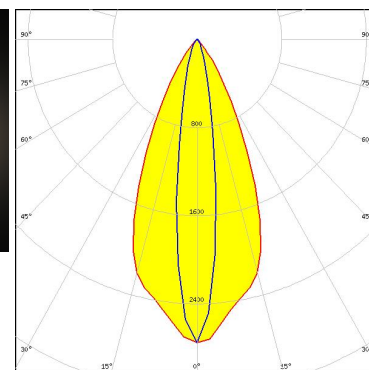
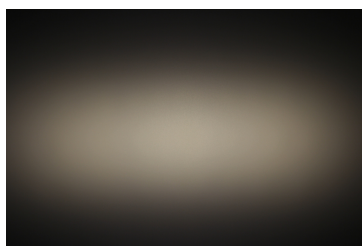
LED LUXEON T
 FWHM / FWTM 47.0 + 17.0° / 74.0 + 39.0°
 Efficiency 80 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



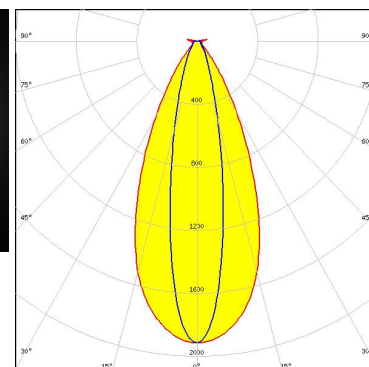
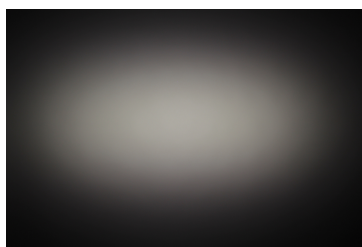
LED LUXEON TX
 FWHM / FWTM 46.0 + 16.0° / 73.0 + 37.0°
 Efficiency 77 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON V
 FWHM / FWTM 46.0 + 21.0° / 79.0 + 50.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

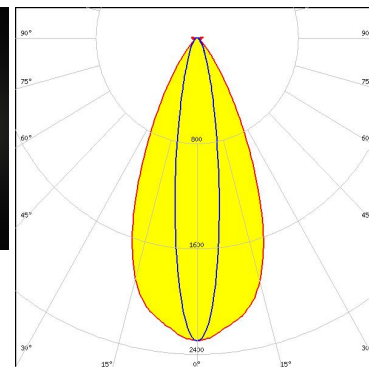
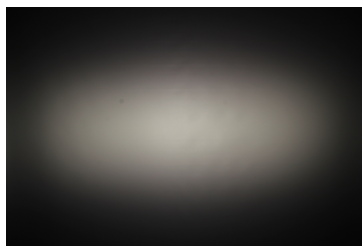


Light distribution files

OPTICAL RESULTS (MEASURED):



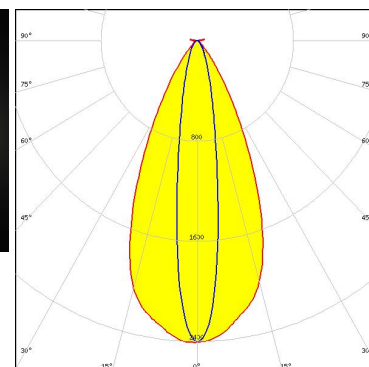
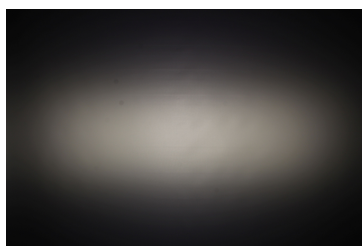
LED LUXEON V2
 FWHM / FWTM 47.0 + 17.0° / 76.0 + 43.0°
 Efficiency 87 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



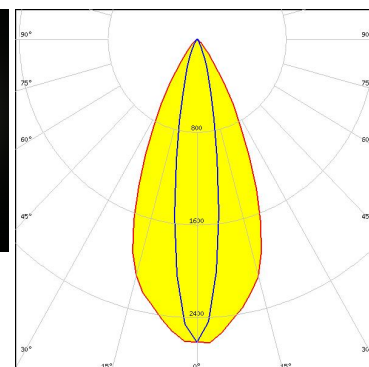
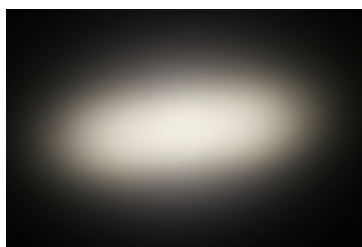
LED NVSW219F
 FWHM / FWTM 48.0 + 16.0° / 76.0 + 42.0°
 Efficiency 88 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 47.0 + 18.0° / 74.0 + 37.0°
 Efficiency 80 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

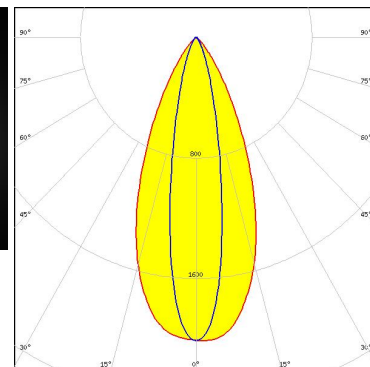
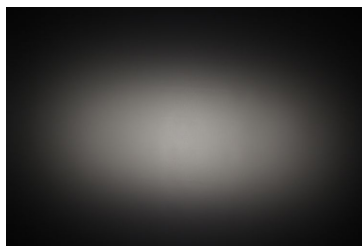


Light distribution files

OPTICAL RESULTS (MEASURED):



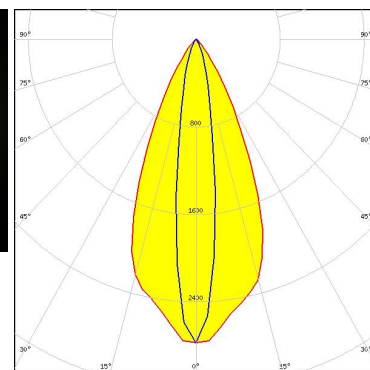
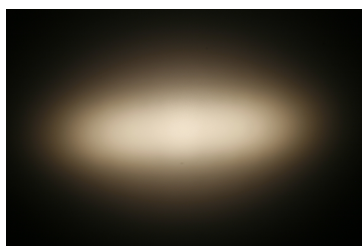
LED NWSx229A
 FWHM / FWTM 20.0 + 45.0° / 75.0 + 45.0°
 Efficiency 74 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



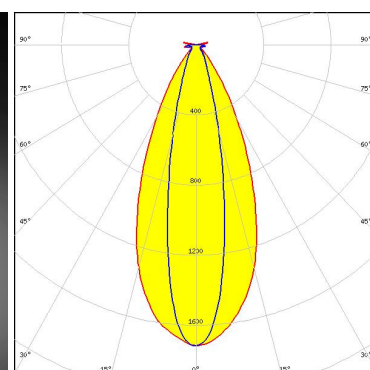
LED OSLOM Square EC
 FWHM / FWTM 47.0 + 17.0° / 74.0 + 39.0°
 Efficiency 79 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LH181A
 FWHM / FWTM 46.0 + 22.0° / 79.0 + 48.0°
 Efficiency 85 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

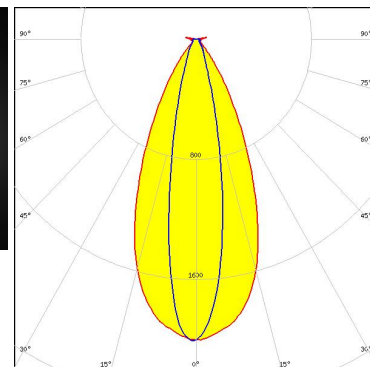
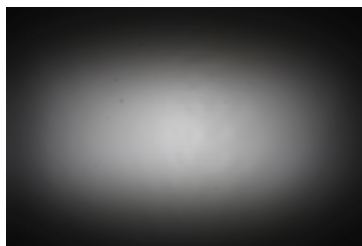


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

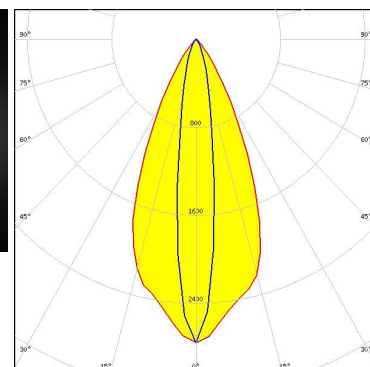
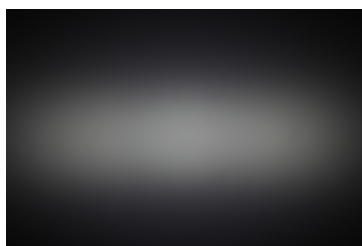
LED LH181B
 FWHM / FWTM 46.0 + 21.0° / 78.0 + 44.0°
 Efficiency 88 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

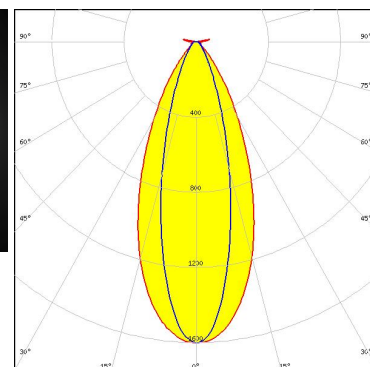
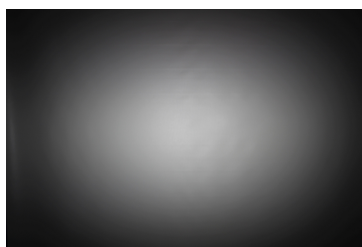
LED LH351Z
 FWHM / FWTM 47.0 + 15.0° / 73.0 + 40.0°
 Efficiency 78 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED MJT 5050
 FWHM / FWTM 45.0 + 28.0° / 82.0 + 60.0°
 Efficiency 87 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

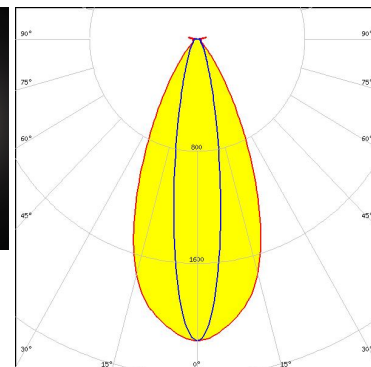
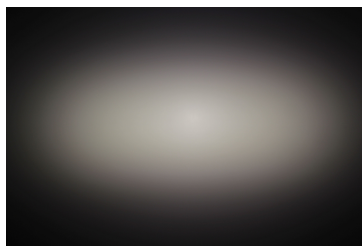


Light distribution files

OPTICAL RESULTS (MEASURED):



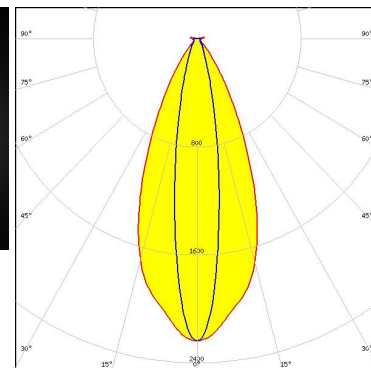
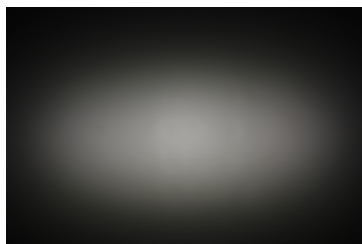
LED Z5M3
 FWHM / FWTM 47.0 + 18.0° / 77.0 + 45.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



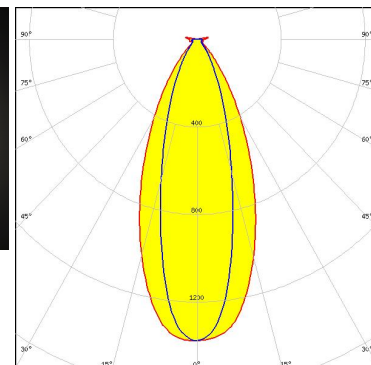
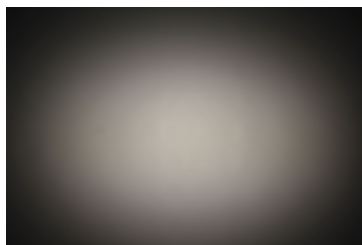
LED Z8Y22P
 FWHM / FWTM 45.0 + 18.0° / 75.0 + 42.0°
 Efficiency 86 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y50P
 FWHM / FWTM 45.0 + 29.0° / 83.0 + 65.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

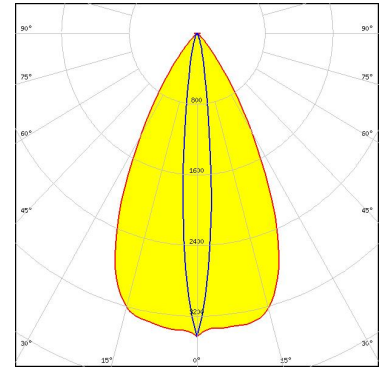


Light distribution files

OPTICAL RESULTS (SIMULATED):



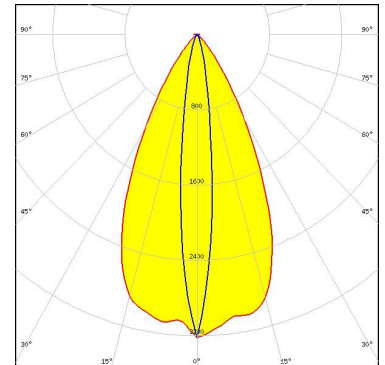
LED XP-E2
 FWHM / FWTM 54.0 + 12.0° / 80.0 + 26.0°
 Efficiency 89 %
 Peak intensity 3.4 cd/Im
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



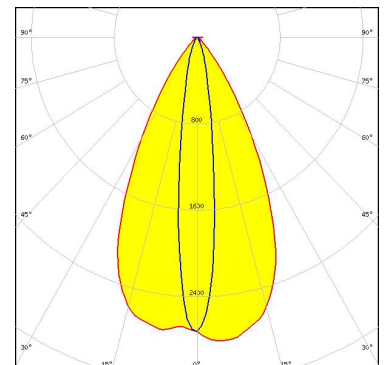
LED XP-E2
 FWHM / FWTM 52.0 + 12.0° / 79.0 + 31.0°
 Efficiency 88 %
 Peak intensity 3.3 cd/Im
 LEDs/each optic 1
 Light colour/type Amber
 Required components:



Light distribution files



LED XP-G2 HE
 FWHM / FWTM 54.0 + 14.0° / 80.0 + 35.0°
 Efficiency 92 %
 Peak intensity 2.8 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

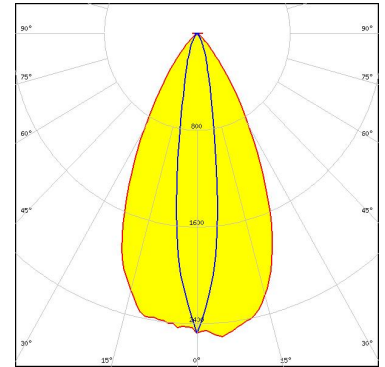


Light distribution files

OPTICAL RESULTS (SIMULATED):



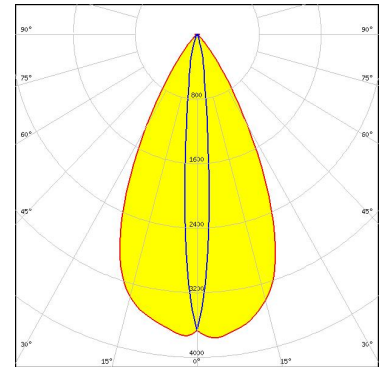
LED XP-L HD
 FWHM / FWTM 53.0 + 16.0° / 82.0 + 38.0°
 Efficiency 86 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



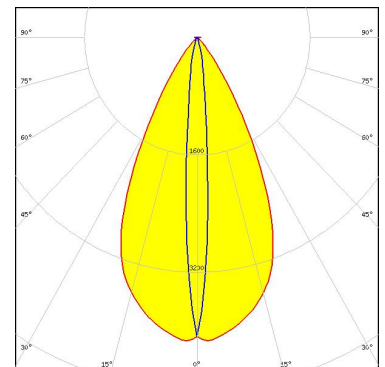
LED XQ-E HD
 FWHM / FWTM 53.0 + 10.0° / 78.0 + 27.0°
 Efficiency 89 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HI
 FWHM / FWTM 53.0 + 8.0° / 76.0 + 24.0°
 Efficiency 89 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

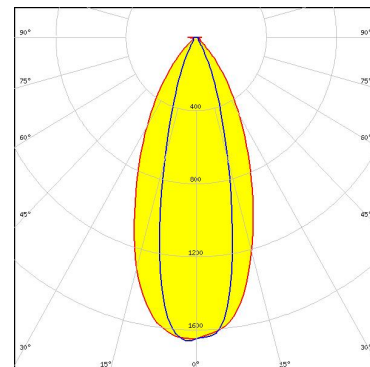


Light distribution files

OPTICAL RESULTS (SIMULATED):



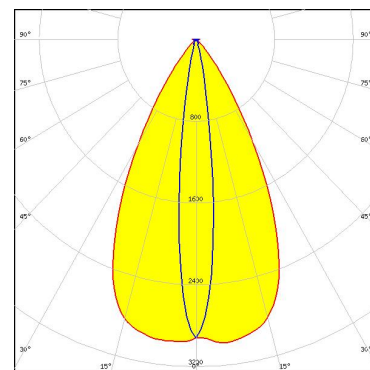
LED LUXEON C
FWHM / FWTM 46.0 + 27.0° / 85.0 + 53.0°
Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 4
Light colour/type RGBW
Required components:



Light distribution files



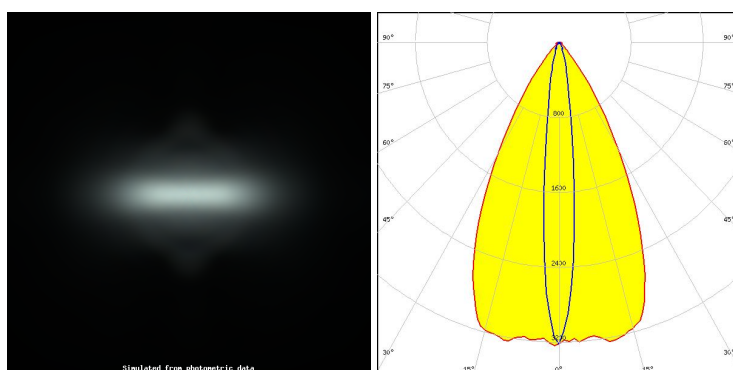
LED LUXEON HL1Z (White)
FWHM / FWTM 56.0 + 14.0° / 80.0 + 26.0°
Efficiency 89 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SFT-40 Gen2
FWHM / FWTM 56.0 + 12.0° / 80.0 + 30.0°
Efficiency 92 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

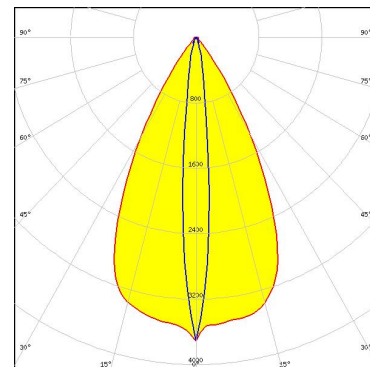


Light distribution files

OPTICAL RESULTS (SIMULATED):



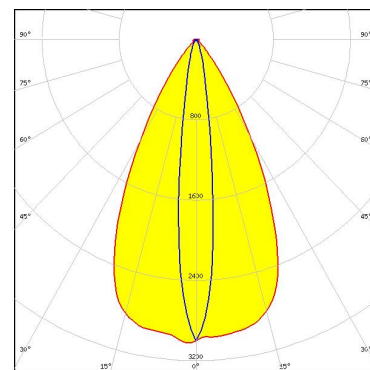
LED SFT-40-WCS
 FWHM / FWTM 54.0 + 10.0° / 78.0 + 26.0°
 Efficiency 92 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



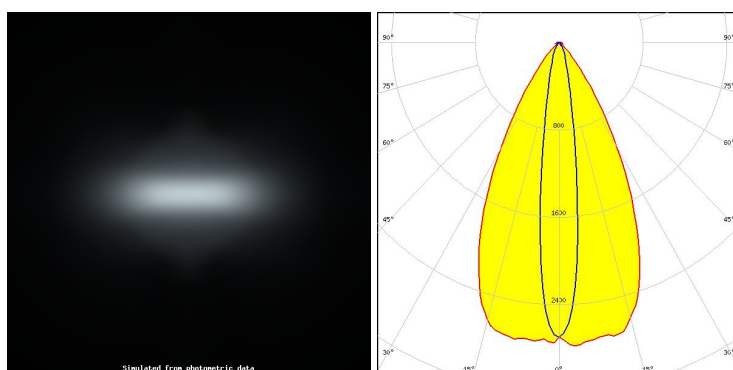
LED SFT-70X-WCS
 FWHM / FWTM 54.0 + 14.0° / 80.0 + 31.0°
 Efficiency 92 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SFT-70X-WES-Gen2
 FWHM / FWTM 56.0 + 14.0° / 82.0 + 34.0°
 Efficiency 91 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

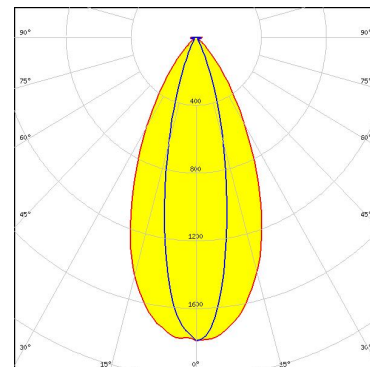


Light distribution files

OPTICAL RESULTS (SIMULATED):



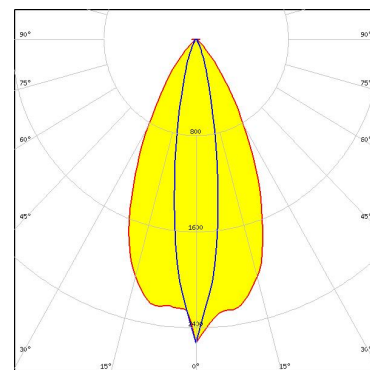
LED NCSxE17A
 FWHM / FWTM 50.0 + 24.0° / 84.0 + 48.0°
 Efficiency 83 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



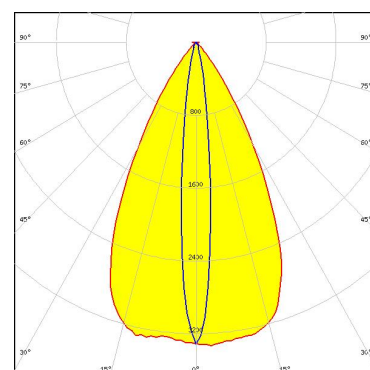
LED NV4WB35AM
 FWHM / FWTM 50.0 + 18.0° / 82.0 + 40.0°
 Efficiency 88 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSCONIQ P 3030
 FWHM / FWTM 56.0 + 12.0° / 79.0 + 26.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

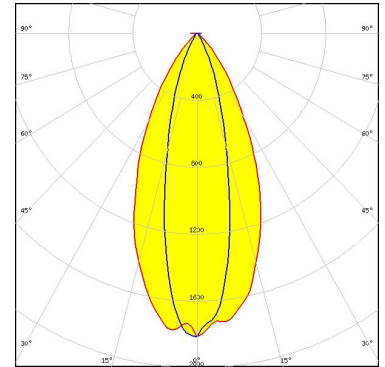


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

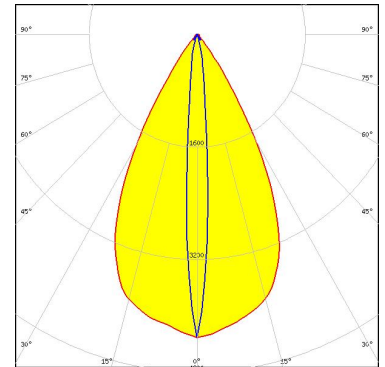
LED OSCONIQ P 7070
FWHM / FWTM $49.0 + 25.0^\circ / 83.0 + 53.0^\circ$
Efficiency 84 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

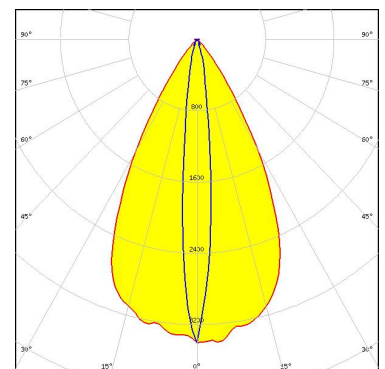
LED OSLO Pure 1414
FWHM / FWTM $56.0 + 8.0^\circ / 76.0 + 22.0^\circ$
Efficiency 92 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLO Square CSSRM2/CSSRM3
FWHM / FWTM $56.0 + 12.0^\circ / 58.0 + 28.0^\circ$
Efficiency 88 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

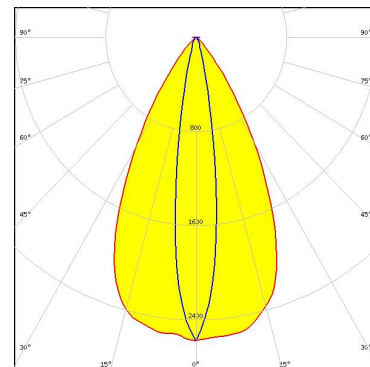


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

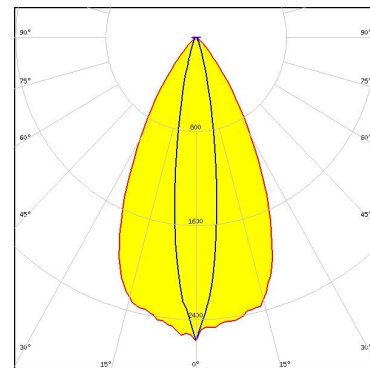
LED SFH 4715AS
FWHM / FWTM 56.0 + 16.0° / 82.0 + 30.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SEOL
SEOUL SEMICONDUCTOR

LED Z8Y22T
FWHM / FWTM 54.0 + 16.0° / 82.0 + 35.0°
Efficiency 89 %
Peak intensity 2.6 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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