

VERONICA-SQ-M

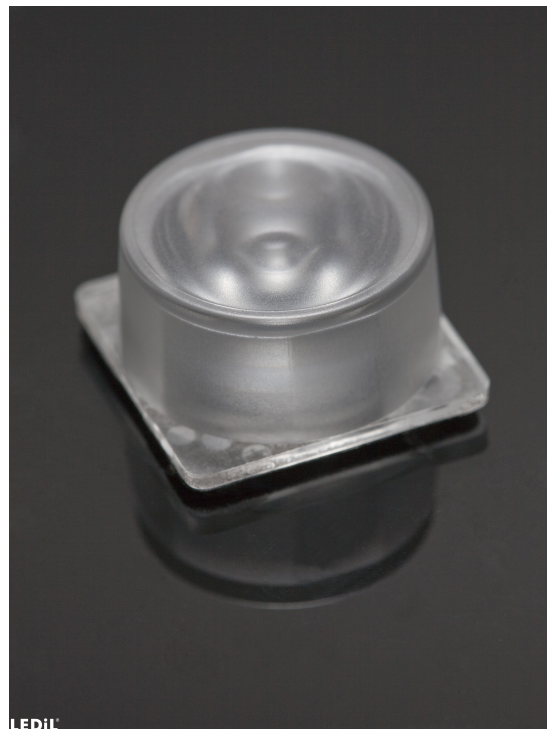
~30° medium beam

SPECIFICATION:

Dimensions	22.5 x 22.5 mm
Height	11.8 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

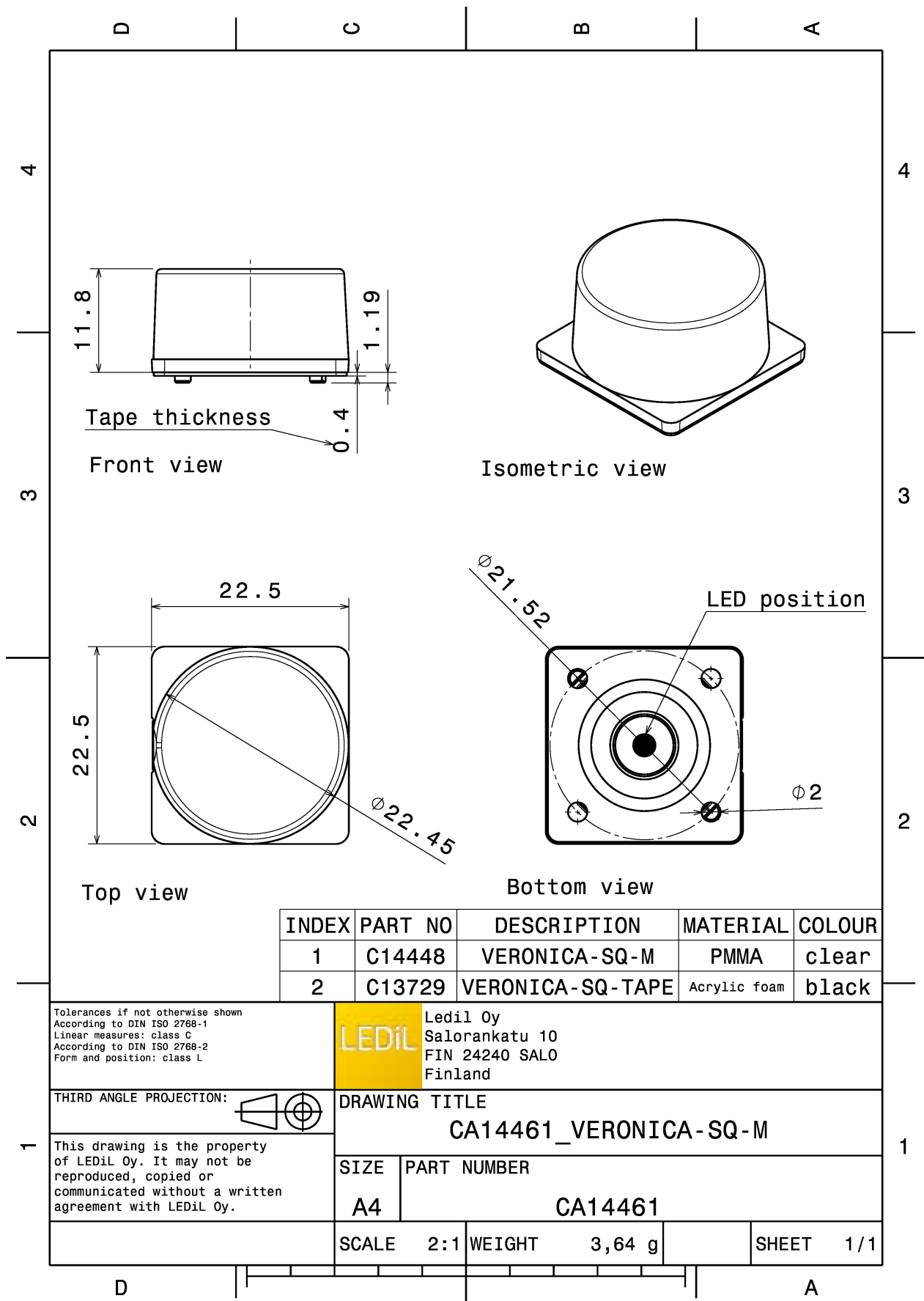
MATERIALS:

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



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14461_VERONICA-SQ-M	Single lens	1980	360	180	8.2
» Box size: 476 x 273 x 197 mm					

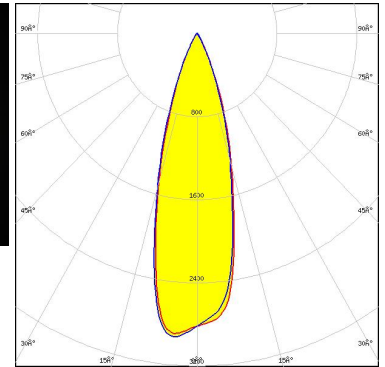
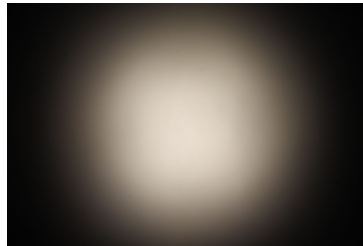


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



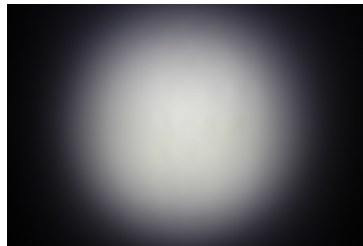
LED XB-H
 FWHM / FWTM 29.0° / 52.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



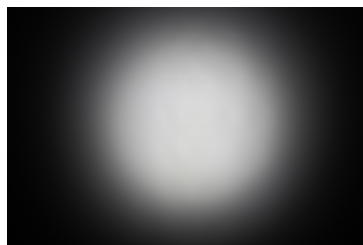
Light distribution files



LED XHP35 HD
 FWHM / FWTM 40.0° / 64.0°
 Efficiency 88 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



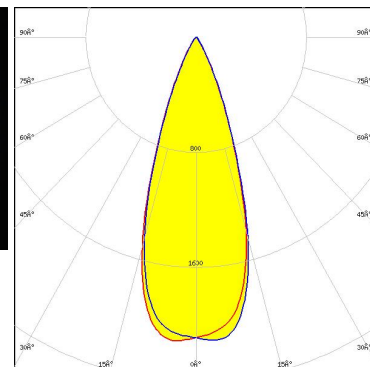
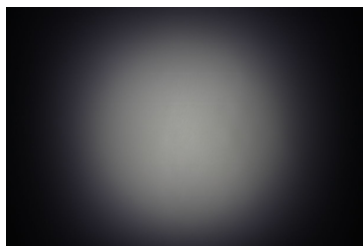
LED XHP35 HI
 FWHM / FWTM 33.0° / 54.0°
 Efficiency 88 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



OPTICAL RESULTS (MEASURED):



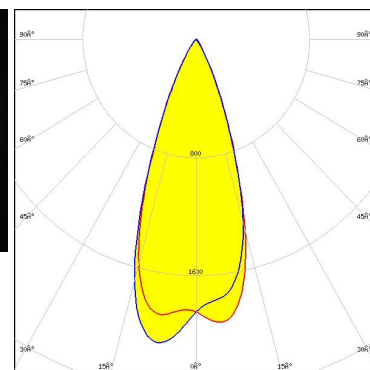
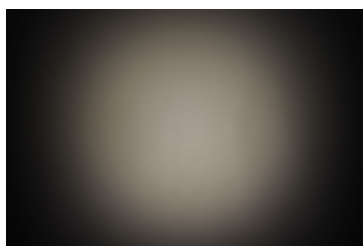
LED XM-L
FWHM / FWTM 37.0° / 59.0°
Efficiency 92 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



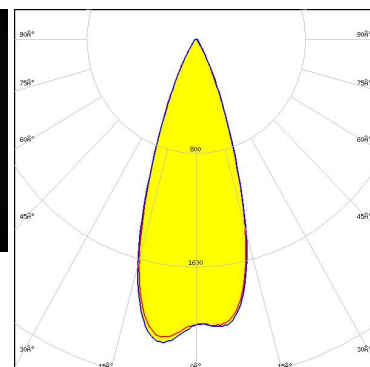
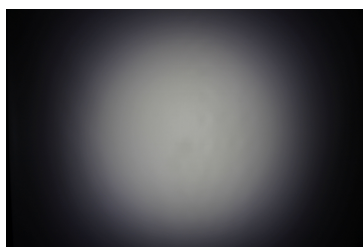
LED XM-L2
FWHM / FWTM 38.0° / 60.0°
Efficiency 91 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XM-L3
FWHM / FWTM 37.0° / 58.0°
Efficiency 95 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

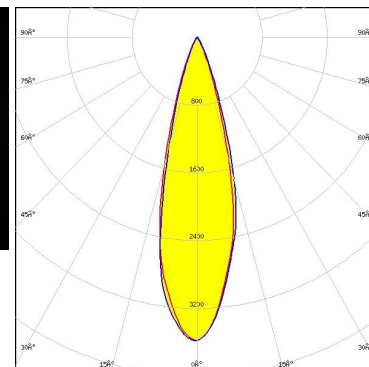
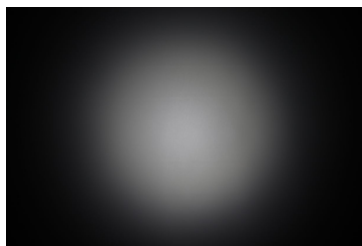


Light distribution files

OPTICAL RESULTS (MEASURED):



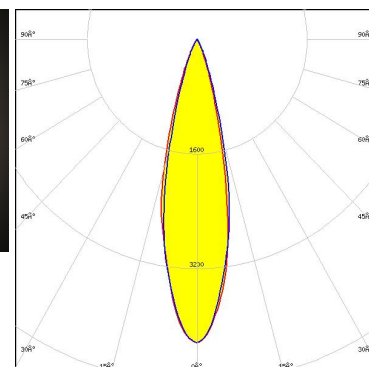
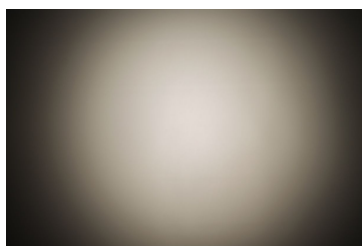
LED XP-E
 FWHM / FWTM 28.0° / 47.0°
 Efficiency 93 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



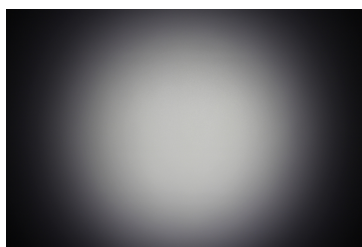
LED XP-E2
 FWHM / FWTM 25.0° / 45.0°
 Efficiency 94 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



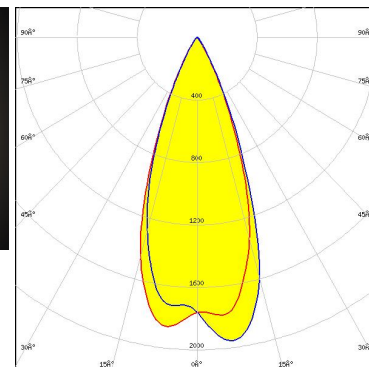
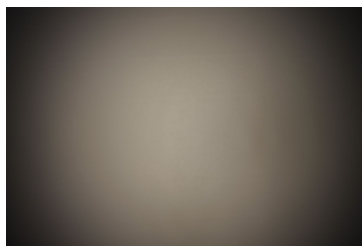
LED XP-G2
 FWHM / FWTM 30.0° / 52.0°
 Efficiency 89 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



OPTICAL RESULTS (MEASURED):



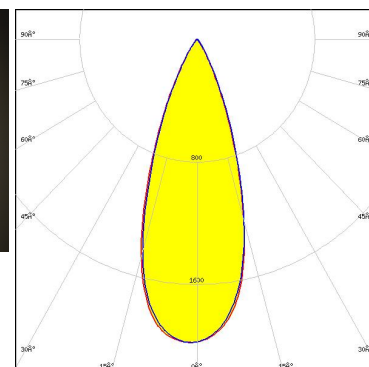
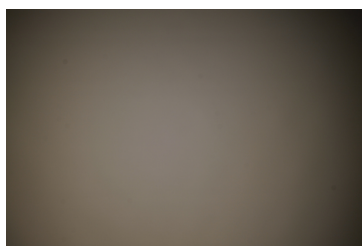
LED XP-L HD
 FWHM / FWTM 40.0° / 61.0°
 Efficiency 91 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



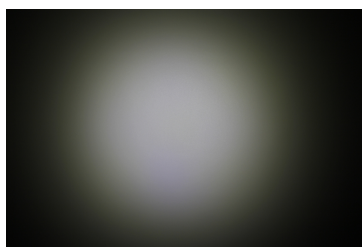
LED XP-L2
 FWHM / FWTM 37.0° / 60.0°
 Efficiency 87 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



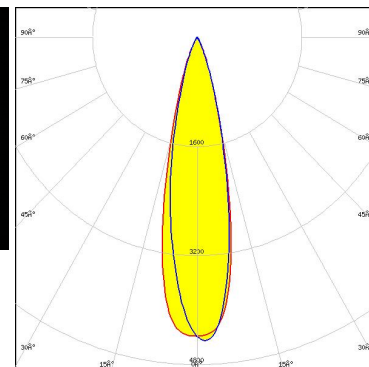
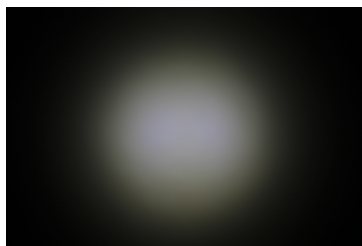
LED XT-E
 FWHM / FWTM 27.0° / 50.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



OPTICAL RESULTS (MEASURED):



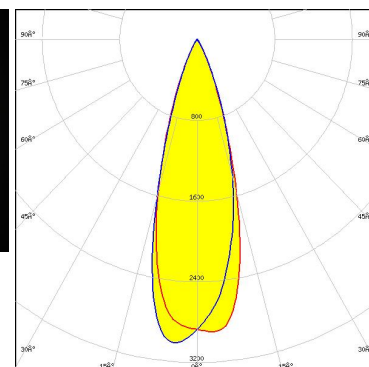
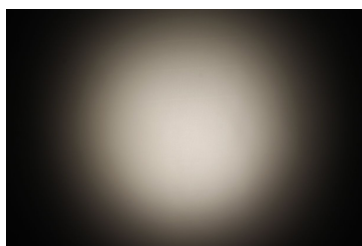
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 24.0° / 44.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



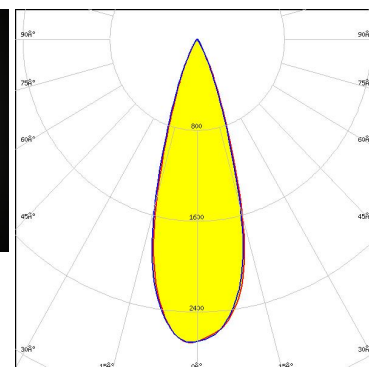
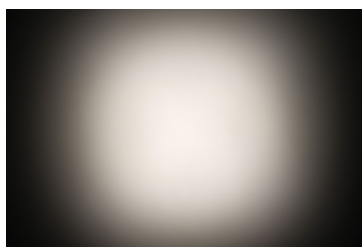
LED LUXEON A
 FWHM / FWTM 30.0° / 52.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON MZ
 FWHM / FWTM 32.0° / 52.0°
 Efficiency 93 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

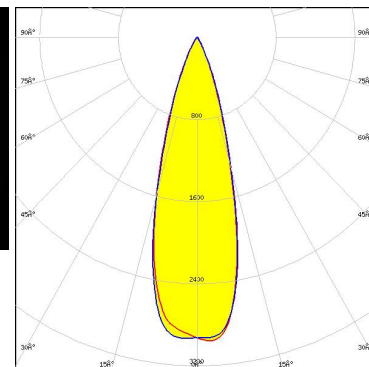
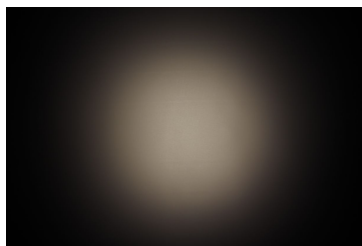


Light distribution files

OPTICAL RESULTS (MEASURED):



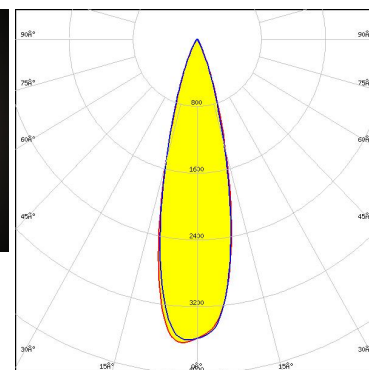
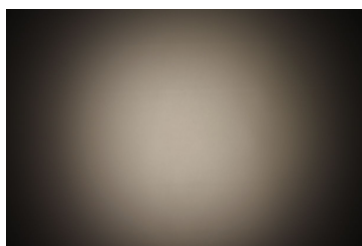
LED LUXEON R
FWHM / FWTM 30.0° / 51.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



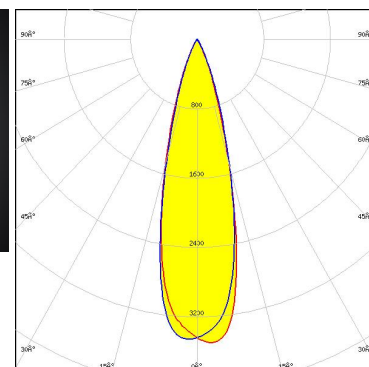
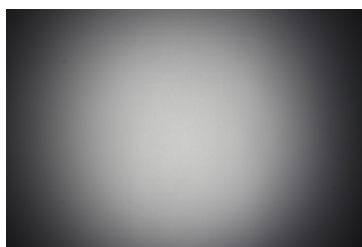
LED LUXEON Rebel
FWHM / FWTM 26.0° / 47.0°
Efficiency 92 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Rebel ES
FWHM / FWTM 27.0° / 48.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

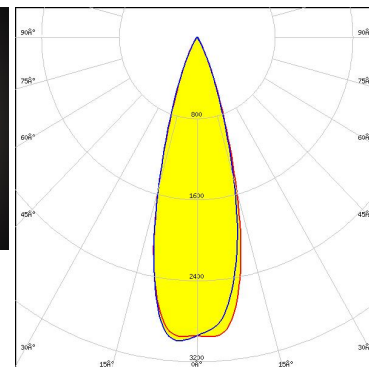
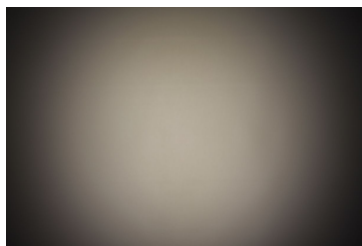


Light distribution files

OPTICAL RESULTS (MEASURED):



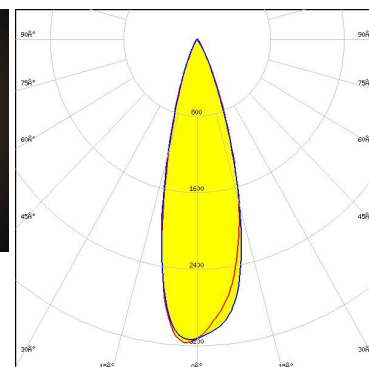
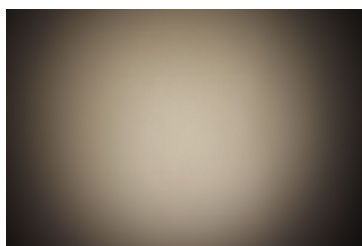
LED LUXEON T
FWHM / FWTM 30.0° / 51.0°
Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



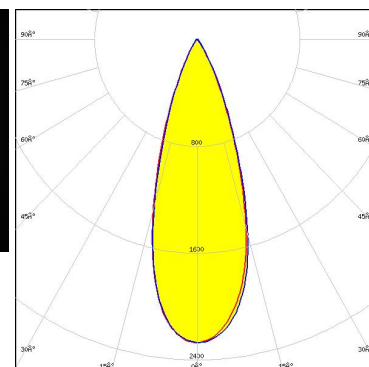
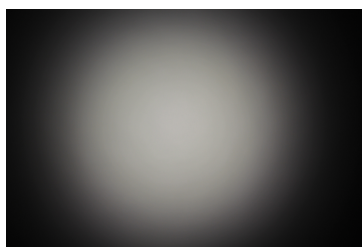
LED LUXEON TX
FWHM / FWTM 30.0° / 50.0°
Efficiency 92 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON V
FWHM / FWTM 35.0° / 58.0°
Efficiency 90 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

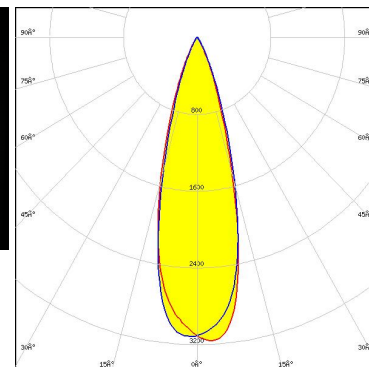
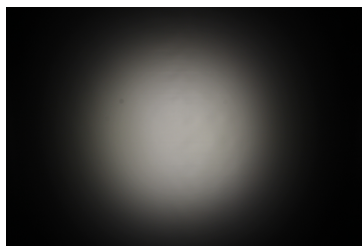


Light distribution files

OPTICAL RESULTS (MEASURED):



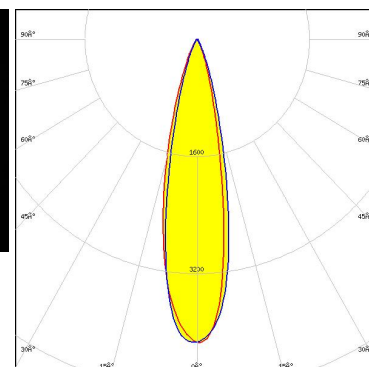
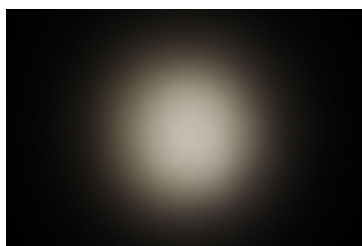
LED LUXEON V2
 FWHM / FWTM 29.0° / 51.0°
 Efficiency 94 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



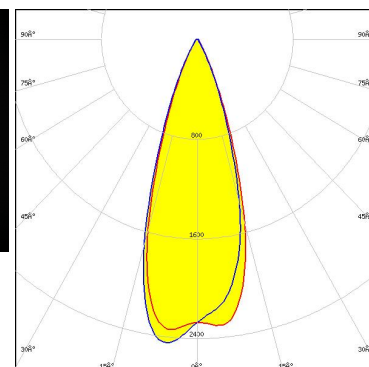
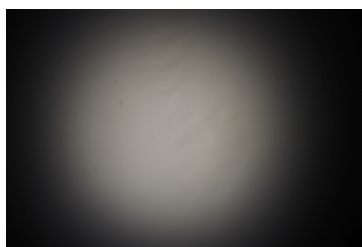
LED NCSxx19B
 FWHM / FWTM 23.0° / 44.0°
 Efficiency 92 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219F
 FWHM / FWTM 35.0° / 56.0°
 Efficiency 94 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

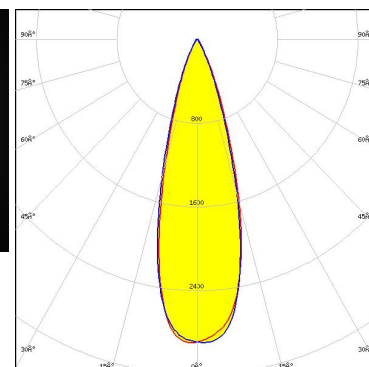
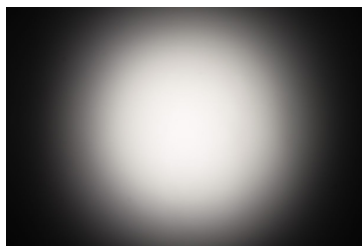


Light distribution files

OPTICAL RESULTS (MEASURED):



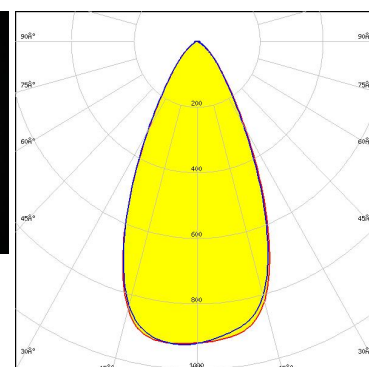
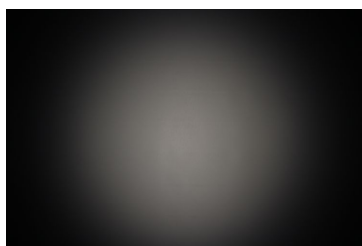
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 30.0° / 51.0°
 Efficiency 91 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



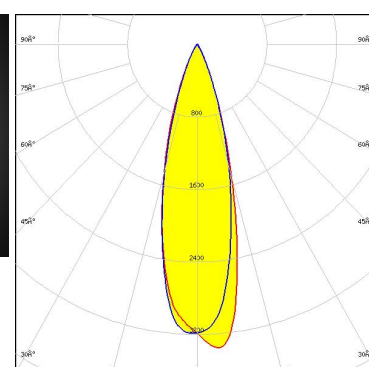
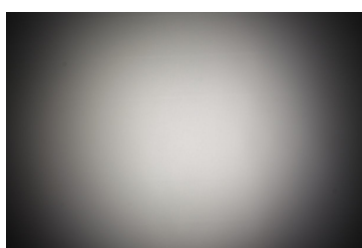
LED NWSx229A
 FWHM / FWTM 39.0° / 59.0°
 Efficiency 89 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM Square EC
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

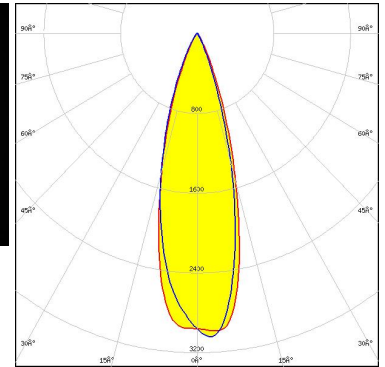
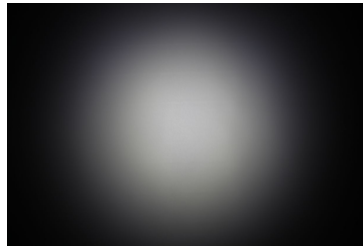


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

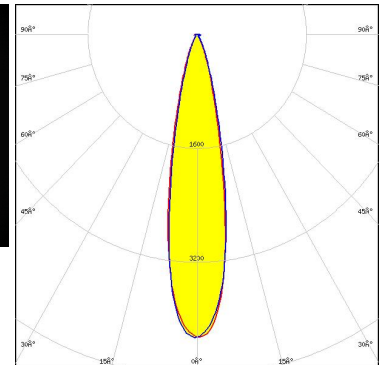
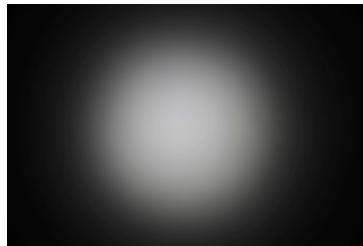
LED OSLON Square PC
FWHM / FWTM 29.0° / 51.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

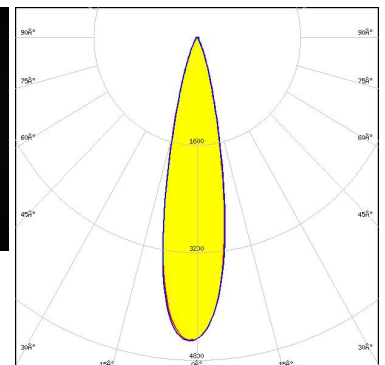
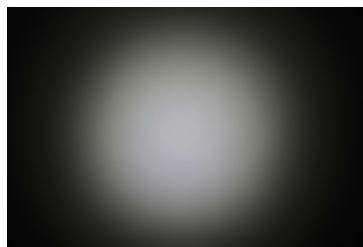
LED LH181A
FWHM / FWTM 21.0° / 42.0°
Efficiency 94 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH181B
FWHM / FWTM 23.0° / 42.0°
Efficiency 94 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

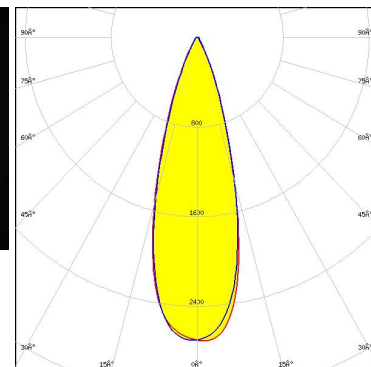
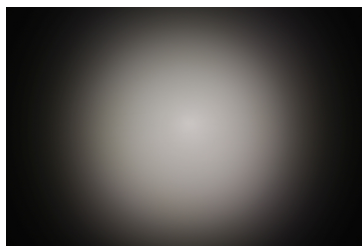


Light distribution files

OPTICAL RESULTS (MEASURED):



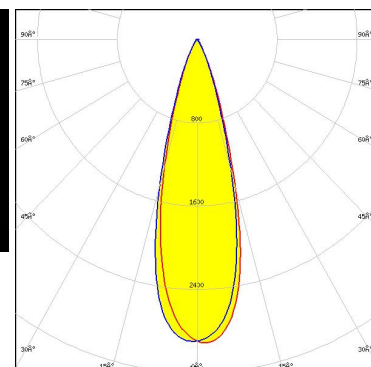
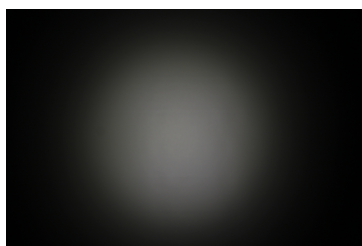
LED Z5M3
 FWHM / FWTM 31.0° / 54.0°
 Efficiency 94 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



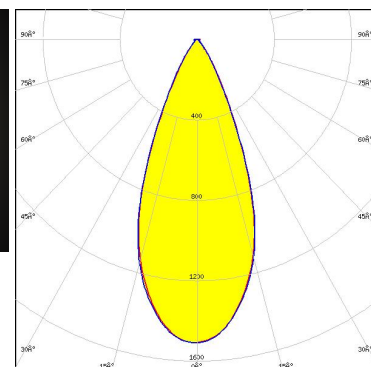
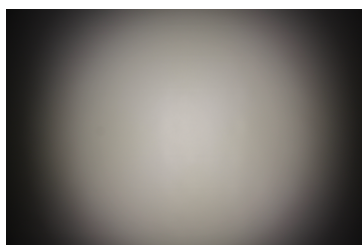
LED Z8Y22P
 FWHM / FWTM 29.0° / 50.0°
 Efficiency 88 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y50P
 FWHM / FWTM 42.0° / 67.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

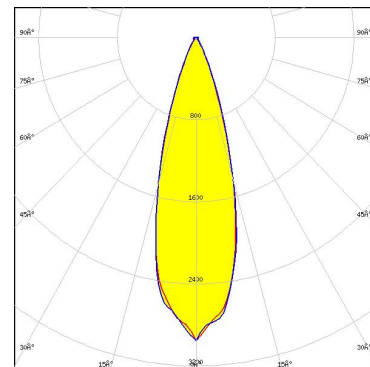


Light distribution files

OPTICAL RESULTS (SIMULATED):



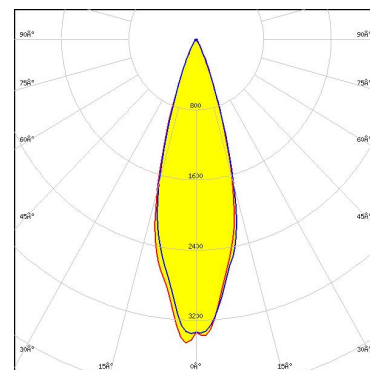
LED XHP35.2 HD
FWHM / FWTM 30.0° / 52.0°
Efficiency 95 %
Peak intensity 3 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



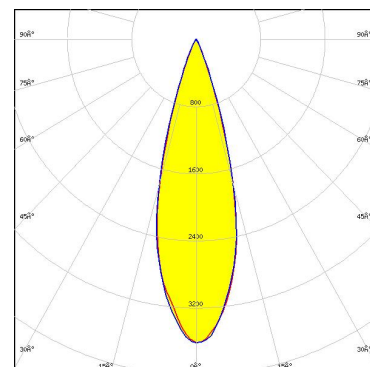
LED XP-G4 HI
FWHM / FWTM 30.0° / 48.0° + 49.0°
Efficiency 97 %
Peak intensity 3.5 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON C
FWHM / FWTM 29.0° / 47.0°
Efficiency 94 %
Peak intensity 3.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

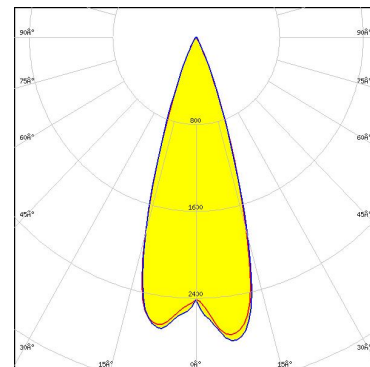


Light distribution files

OPTICAL RESULTS (SIMULATED):



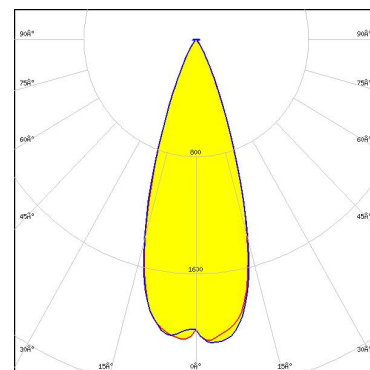
LED SFT-40-WCS
 FWHM / FWTM 34.0° / 50.0°
 Efficiency 97 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



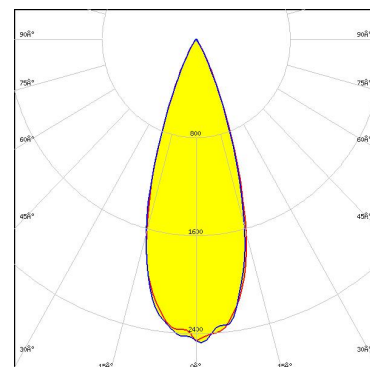
LED NCSxE17A
 FWHM / FWTM 36.0° / 56.0°
 Efficiency 93 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED NV4WB35AM
 FWHM / FWTM 36.0° / 56.0°
 Efficiency 96 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

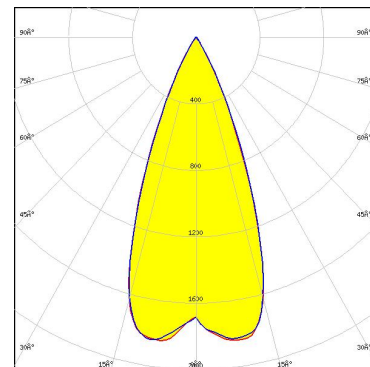


Light distribution files

OPTICAL RESULTS (SIMULATED):



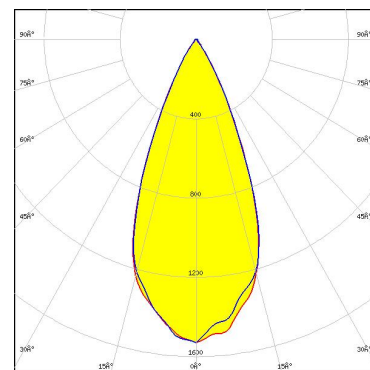
LED NVSW219D
 FWHM / FWTM 42.0° / 60.0°
 Efficiency 95 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



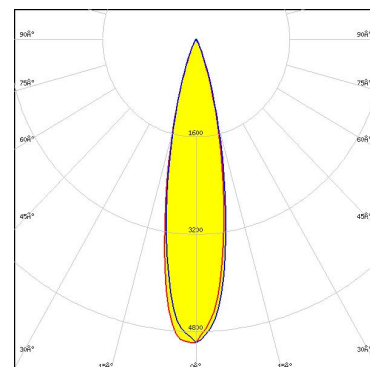
LED OSCONIQ C 2424
 FWHM / FWTM 44.0° / 66.0°
 Efficiency 97 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



LED OSCONIQ P 3030
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 96 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

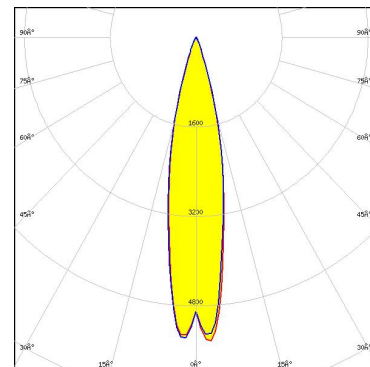


Light distribution files

OPTICAL RESULTS (SIMULATED):



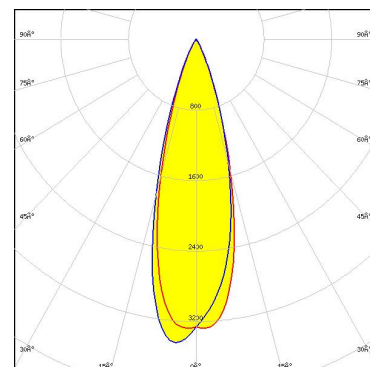
LED OSLON Pure 1414
 FWHM / FWTM 22.0° / 40.0°
 Efficiency 96 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



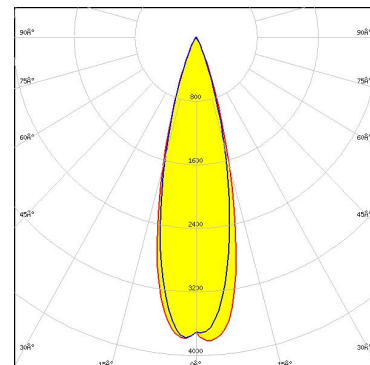
LED LM28xB Series
 FWHM / FWTM 29.0° / 50.0°
 Efficiency 94 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED MJT 3030
 FWHM / FWTM 27.0° / 46.0°
 Efficiency 96 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

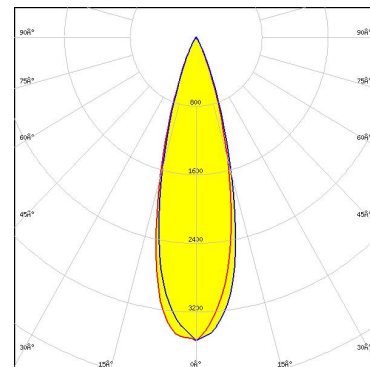


Light distribution files

OPTICAL RESULTS (SIMULATED):



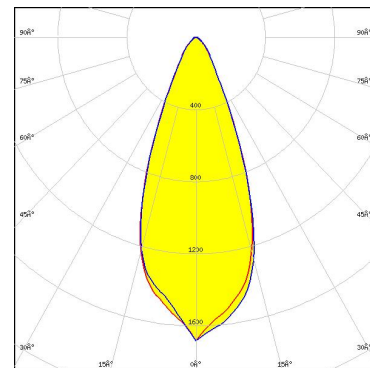
LED Z5M4
 FWHM / FWTM 29.0° / 49.0°
 Efficiency 96 %
 Peak intensity 3.5 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22T
 FWHM / FWTM 28.0° / 47.0°
 Efficiency 94 %
 Peak intensity 3.8 cd/Im
 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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