

G2-LAURA-O-P

~40° x 13° oval beam. Assembly with thinner white holder, installation tape and location pins.

SPECIFICATION:

Dimensions	21.6 x 21.6
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

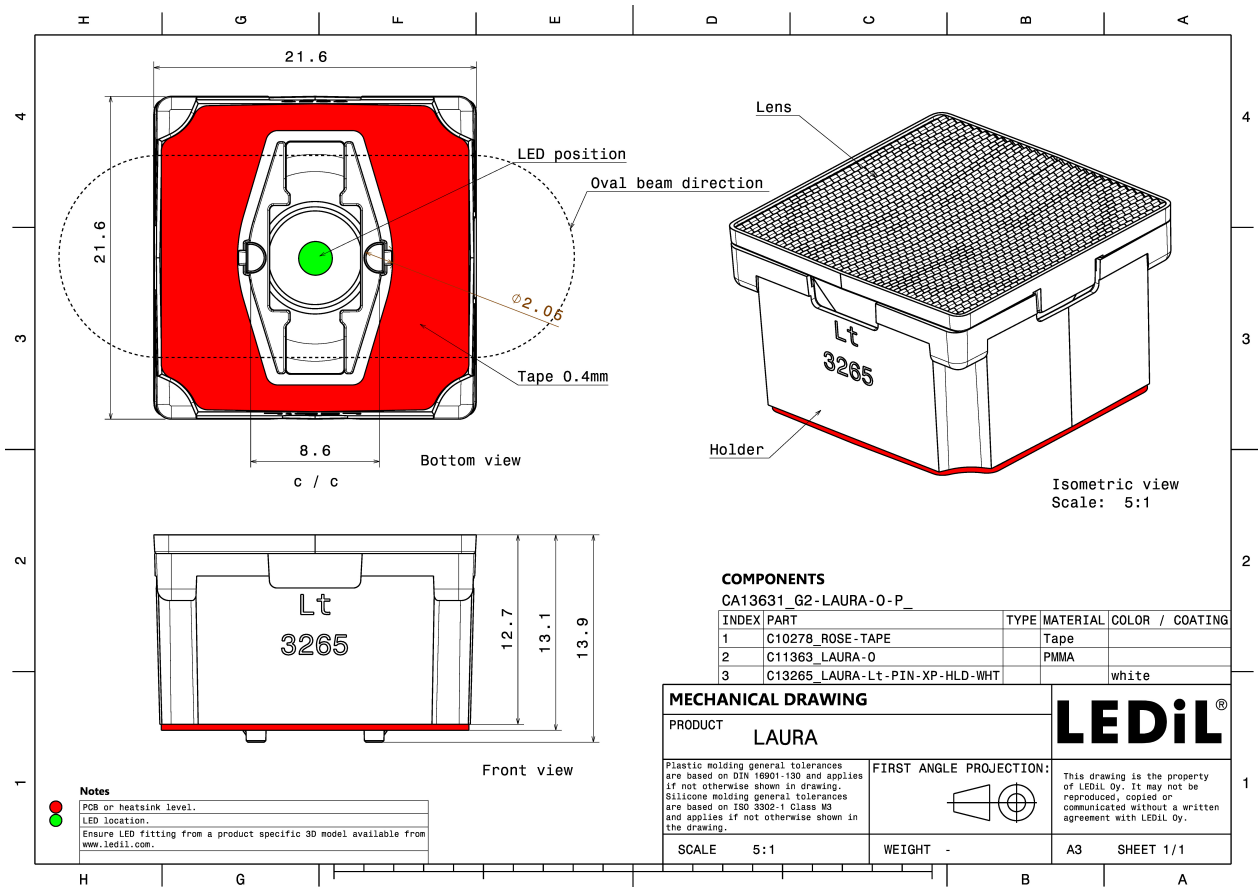


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LAURA-O	Single lens	PMMA	clear		
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white		
ROSE-TAPE	Tape	Acryl tape	grey		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA13631_G2-LAURA-O-P » Box size: 451 x 254 x 152 mm	1440	360	180	6.0

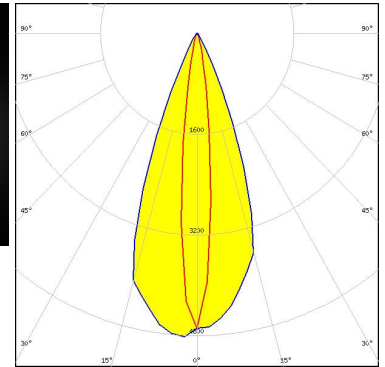
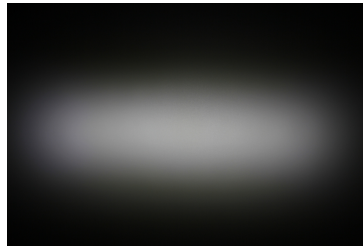


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



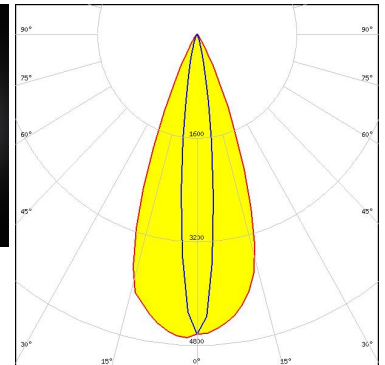
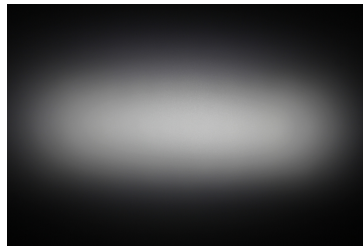
LED XB-D
 FWHM / FWTM 41.0 + 13.0° / 57.0 + 26.0°
 Efficiency 86 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XB-H
 FWHM / FWTM 41.0 + 13.0° / 58.0 + 26.0°
 Efficiency 87 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



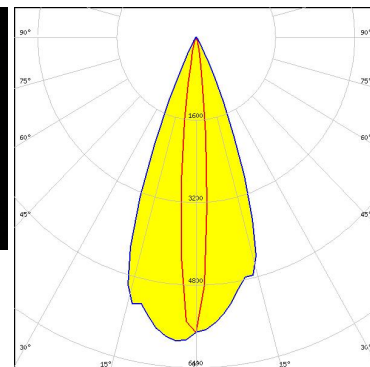
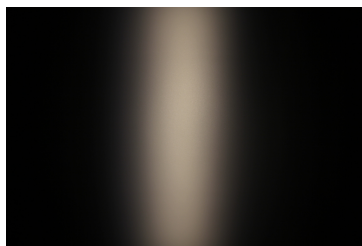
LED XP-E
 FWHM / FWTM 40.0 + 13.0° / 55.0 + 24.0°
 Efficiency 91 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



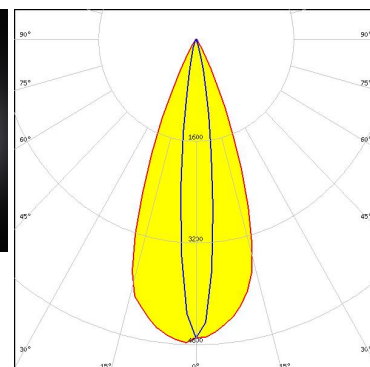
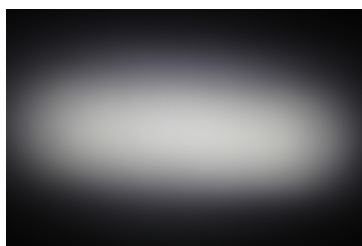
LED XP-E2
 FWHM / FWTM 41.0 + 11.0° / 55.0 + 22.0°
 Efficiency 88 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



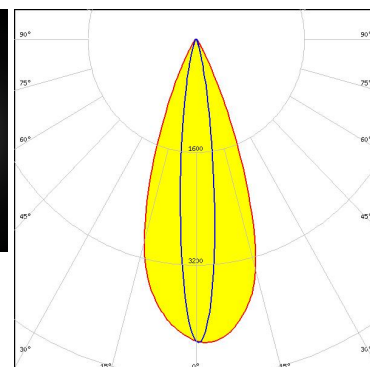
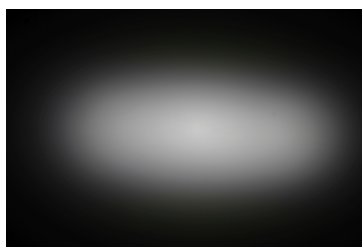
LED XP-G2
 FWHM / FWTM 41.0 + 14.0° / 58.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G3
 FWHM / FWTM 39.0 + 13.0° / 58.0 + 29.0°
 Efficiency 93 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

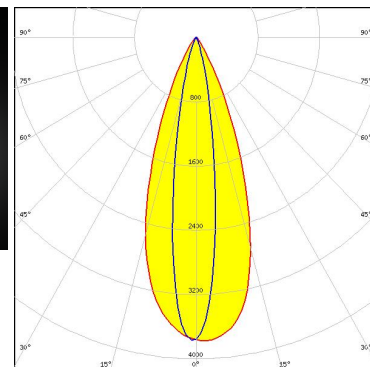
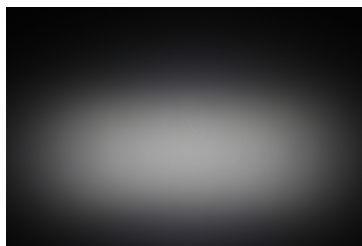


Light distribution files

OPTICAL RESULTS (MEASURED):



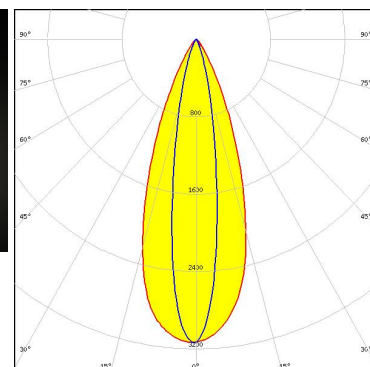
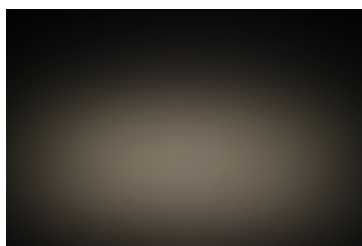
LED XP-L HD
 FWHM / FWTM 38.0 + 16.0° / 60.0 + 34.0°
 Efficiency 89 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



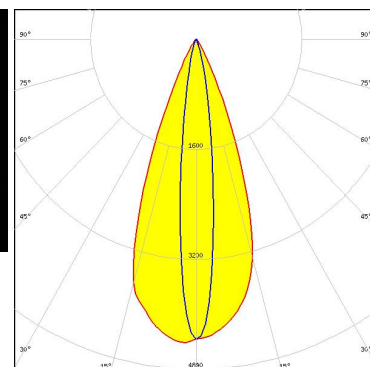
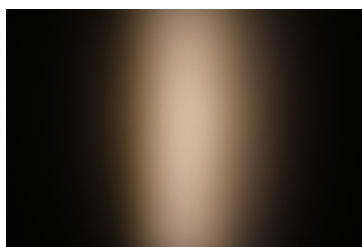
LED XP-L2
 FWHM / FWTM 38.0 + 17.0° / 64.0 + 38.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XT-E
 FWHM / FWTM 40.0 + 14.0° / 59.0 + 29.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

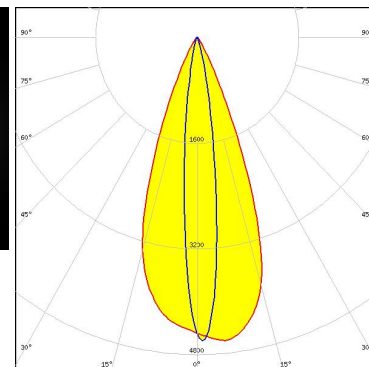
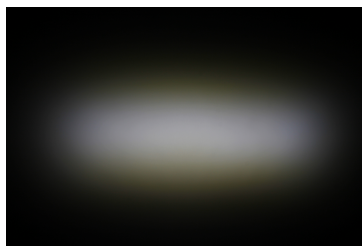


Light distribution files

OPTICAL RESULTS (MEASURED):



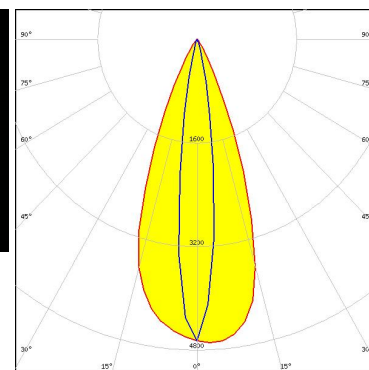
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 40.0 + 13.0° / 58.0 + 26.0°
 Efficiency 88 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



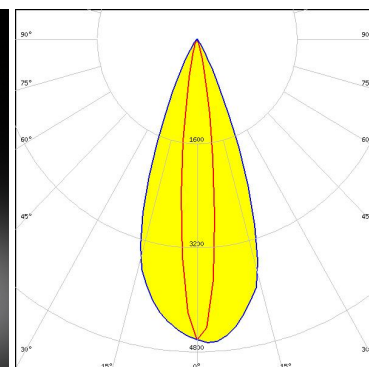
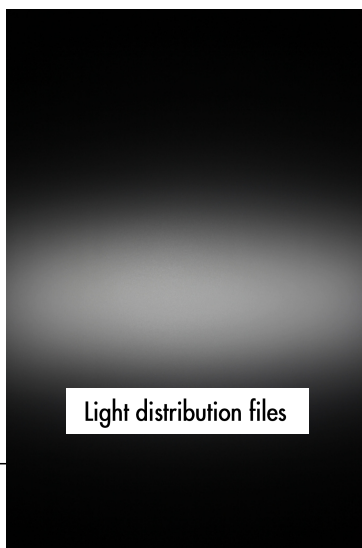
LED LUXEON T
 FWHM / FWTM 40.0 + 15.0° / 60.0 + 28.0°
 Efficiency 90 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON TX
 FWHM / FWTM 41.0 + 14.0° / 59.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

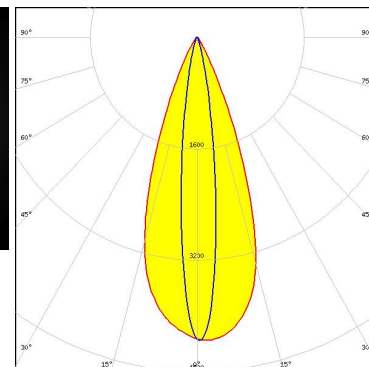
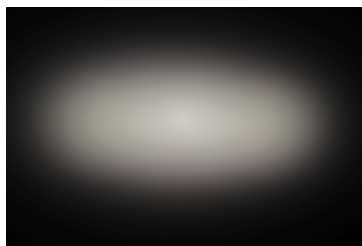


Light distribution files

OPTICAL RESULTS (MEASURED):



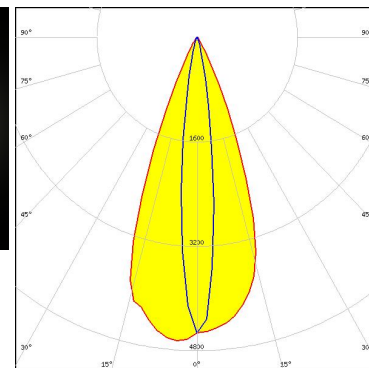
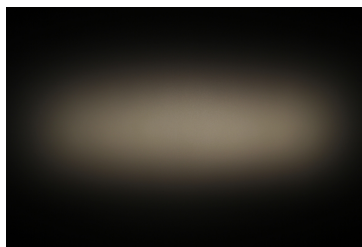
LED LUXEON V2
 FWHM / FWTM 39.0 + 13.0° / 58.0 + 29.0°
 Efficiency 93 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



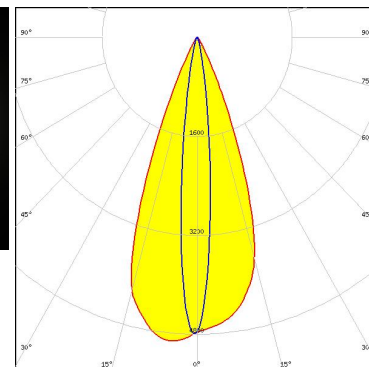
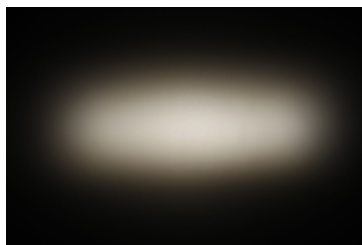
LED NCSxx19A
 FWHM / FWTM 41.0 + 13.0° / 58.0 + 27.0°
 Efficiency 87 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NCSxx19B
 FWHM / FWTM 40.0 + 12.0° / 56.0 + 24.0°
 Efficiency 87 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

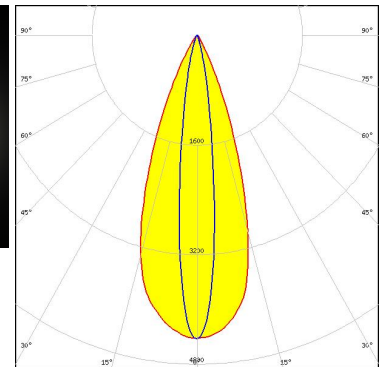
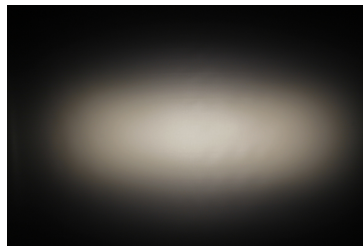


Light distribution files

OPTICAL RESULTS (MEASURED):



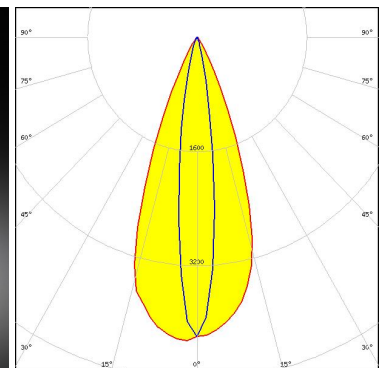
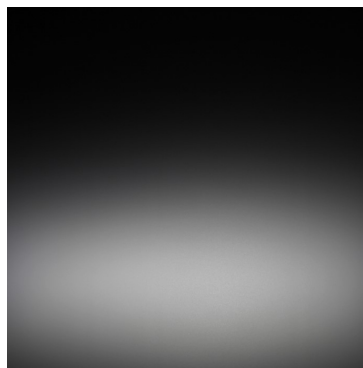
LED NVSW219D
 FWHM / FWTM 38.0 + 14.0° / 59.0 + 29.0°
 Efficiency 94 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19A
 FWHM / FWTM 40.0 + 15.0° / 60.0 + 30.0°
 Efficiency 87 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 37.0 + 12.0° / 62.0 + 28.0°
 Efficiency 89 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

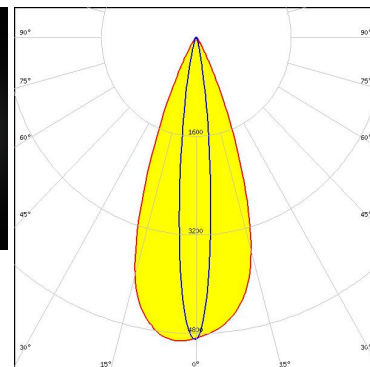
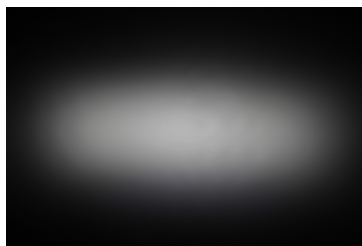


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

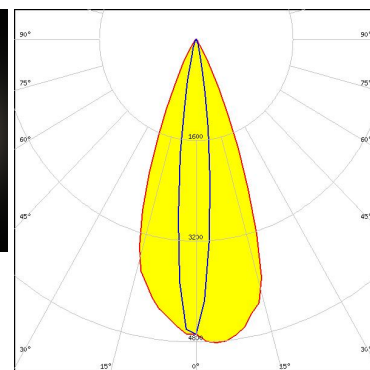
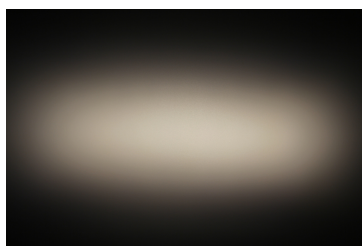
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 39.0 + 12.0° / 57.0 + 25.0°
Efficiency 94 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

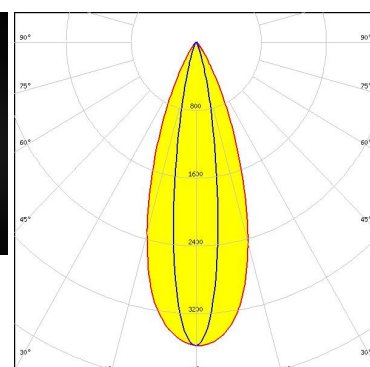
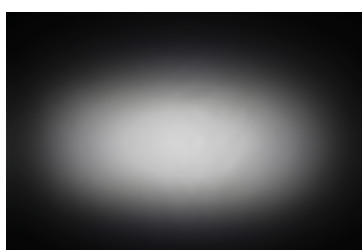
LED OSLON Square EC
FWHM / FWTM 40.0 + 13.0° / 58.0 + 27.0°
Efficiency 87 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351D
FWHM / FWTM 37.0 + 17.0° / 63.0 + 34.0°
Efficiency 92 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

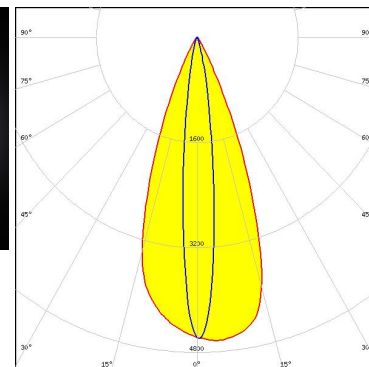
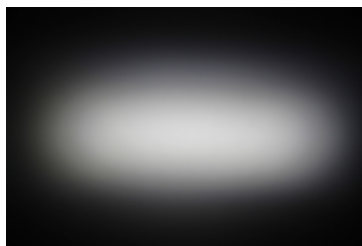


Light distribution files

OPTICAL RESULTS (MEASURED):



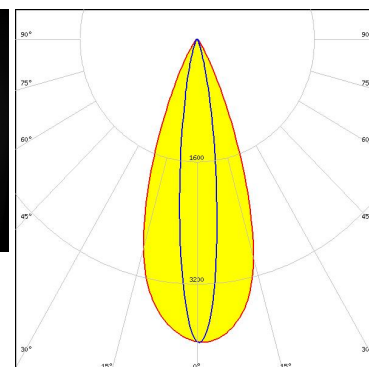
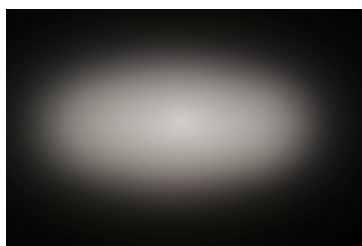
LED Z5M1/Z5M2
 FWHM / FWTM 40.0 + 12.0° / 57.0 + 26.0°
 Efficiency 86 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z5M3
 FWHM / FWTM 39.0 + 15.0° / 60.0 + 32.0°
 Efficiency 94 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

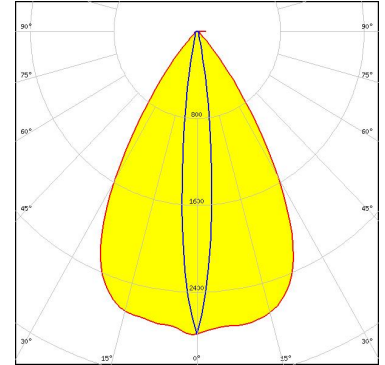


Light distribution files

OPTICAL RESULTS (SIMULATED):



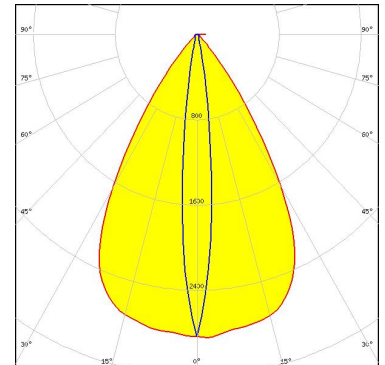
LED CSP 2323 (BXCP)
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 25.0°
 Efficiency 89 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



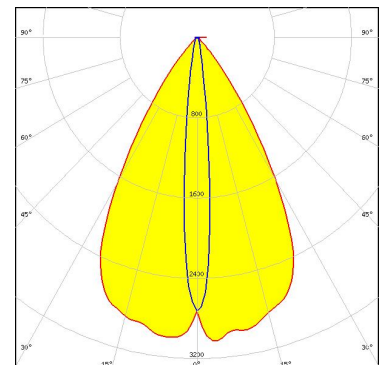
LED CSP 2424 (BXCP)
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0°
 Efficiency 90 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XD16
 FWHM / FWTM 62.0 + 11.0° / 82.0 + 23.0°
 Efficiency 88 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

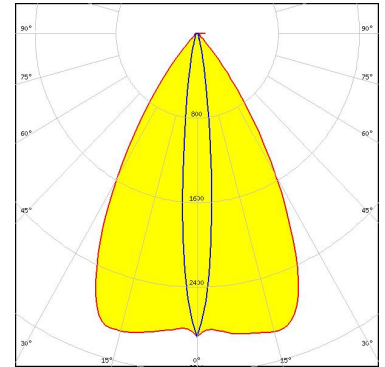


Light distribution files

OPTICAL RESULTS (SIMULATED):



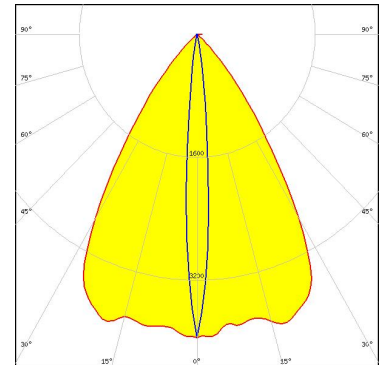
LED XP-G4
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 26.0°
 Efficiency 89 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



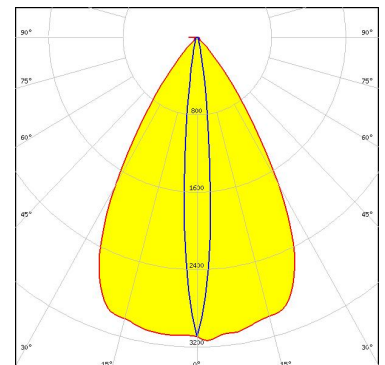
LED XQ-E HD
 FWHM / FWTM 66.0 + 9.0° / 89.0 + 18.0°
 Efficiency 94 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 3535L
 FWHM / FWTM 62.0 + 10.0° / 84.0 + 23.0°
 Efficiency 91 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

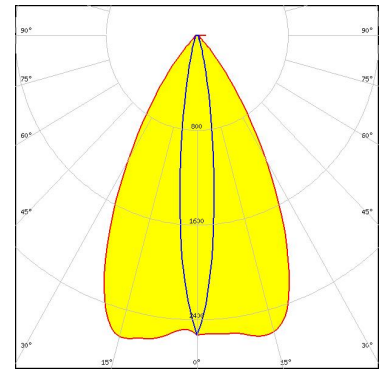


Light distribution files

OPTICAL RESULTS (SIMULATED):



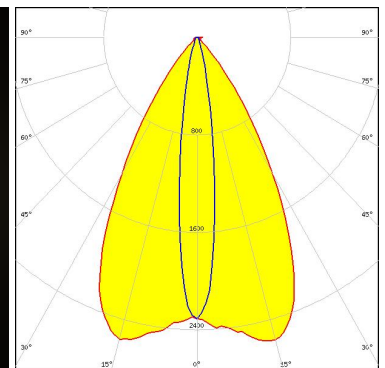
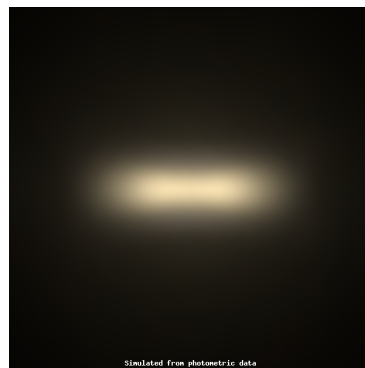
LED LUXEON HL2X
 FWHM / FWTM 58.0 + 14.0° / 83.0 + 30.0°
 Efficiency 89 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



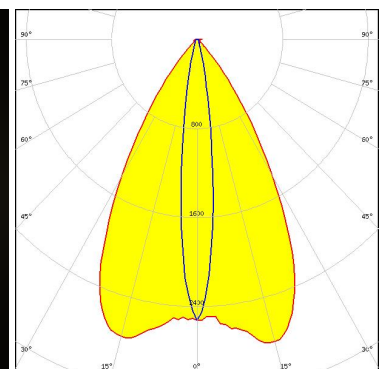
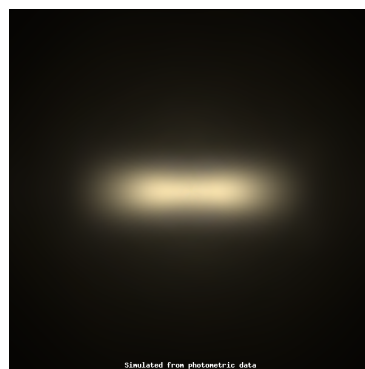
LED LUXEON HL2X-E
 FWHM / FWTM 60.0 + 14.0° / 84.0 + 32.0°
 Efficiency 89 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X-V
 FWHM / FWTM 60.0 + 14.0° / 84.0 + 30.0°
 Efficiency 90 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

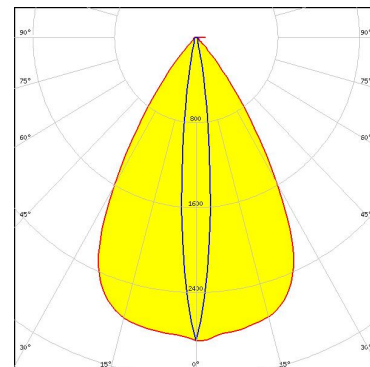


Light distribution files

OPTICAL RESULTS (SIMULATED):



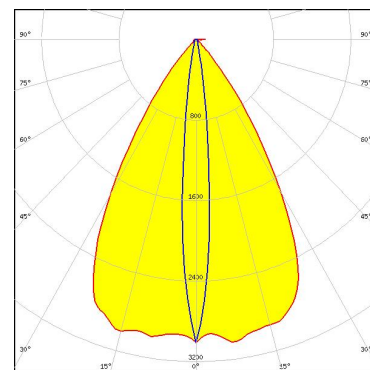
LED LUXEON HL2Z
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0°
 Efficiency 90 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



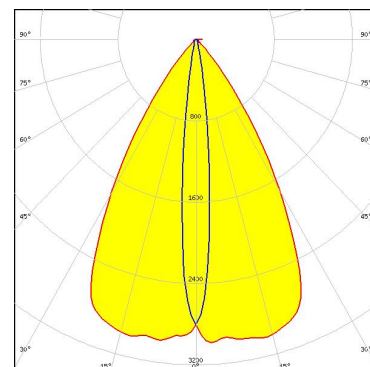
LED SST-20 Gen1
 FWHM / FWTM 64.0 + 10.0° / 84.0 + 22.0°
 Efficiency 90 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SST-20 Gen2
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0°
 Efficiency 90 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

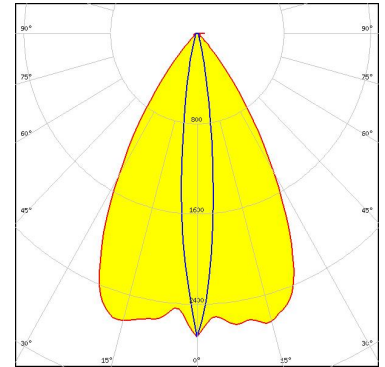


Light distribution files

OPTICAL RESULTS (SIMULATED):



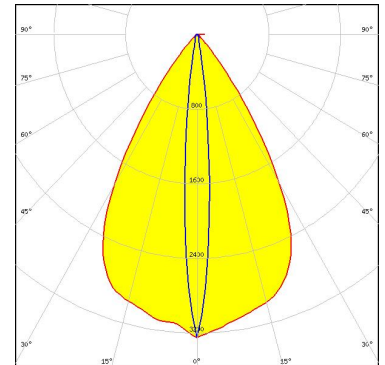
LED SST-20F-W
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 28.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



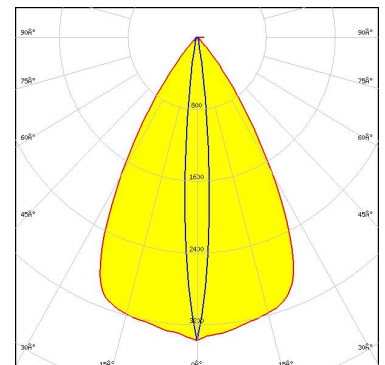
LED NCSxE17A
 FWHM / FWTM 62.0 + 10.0° / 82.0 + 20.0°
 Efficiency 90 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219C-V2
 FWHM / FWTM 60.0 + 10.0° / 82.0 + 20.0°
 Efficiency 90 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

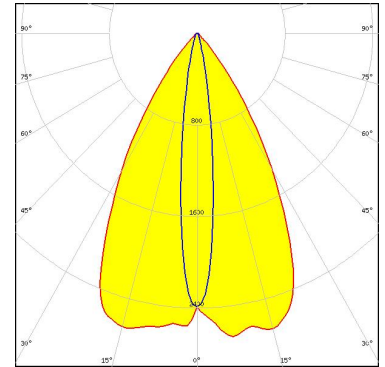


Light distribution files

OPTICAL RESULTS (SIMULATED):



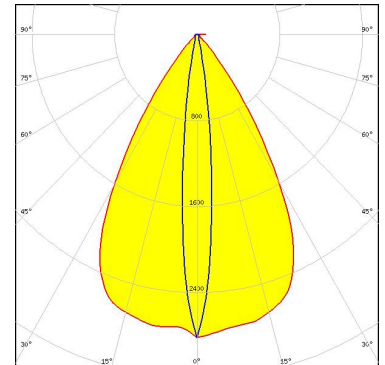
LED NVSW219F
 FWHM / FWTM 60.0 + 14.0° / 84.0 + 30.0°
 Efficiency 88 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



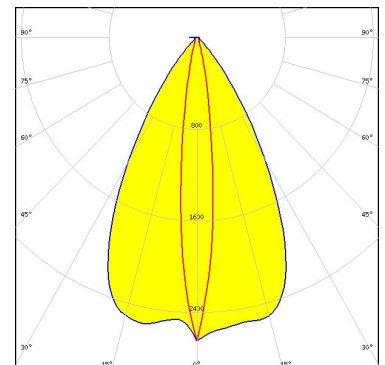
LED NVSxE21A
 FWHM / FWTM 62.0 + 12.0° / 84.0 + 24.0°
 Efficiency 90 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 58.0 + 12.0° / 84.0 + 28.0°
 Efficiency 89 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

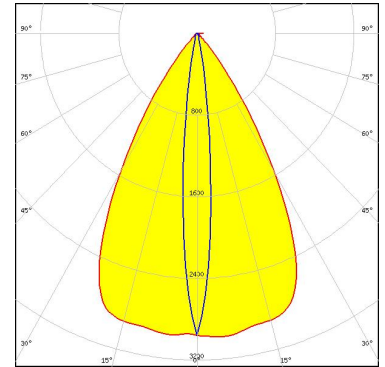


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

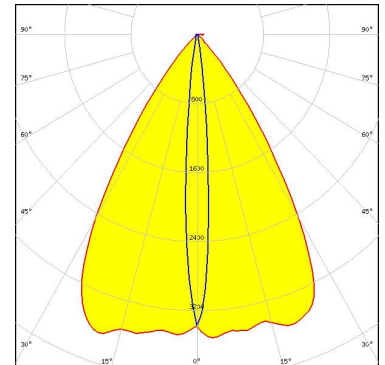
LED OSCONIQ C 2424 Gen1
FWHM / FWTM 61.0 + 12.0° / 82.0 + 24.0°
Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

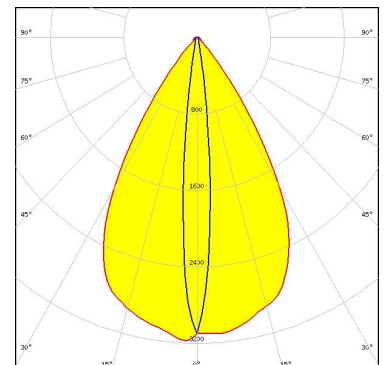
LED OSCONIQ P 3030
FWHM / FWTM 66.0 + 10.0° / 85.0 + 19.0°
Efficiency 91 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Black
FWHM / FWTM 62.0 + 10.0° / 83.0 + 20.0°
Efficiency %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

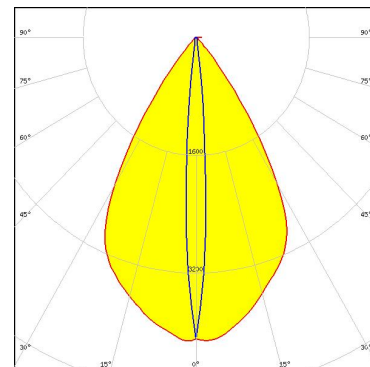


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

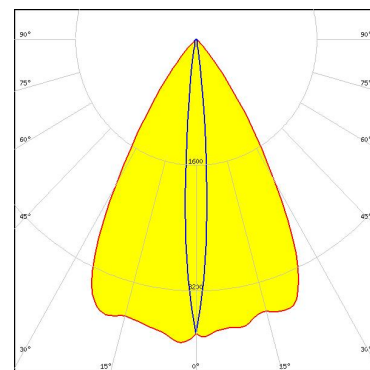
LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 62.0 + 8.0° / 82.0 + 16.0°
Efficiency 91 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

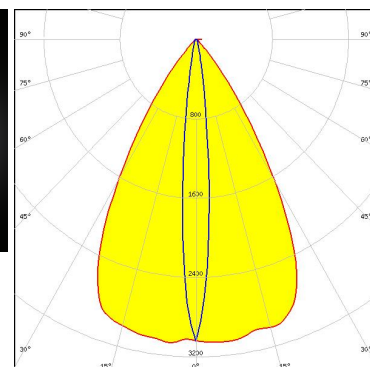
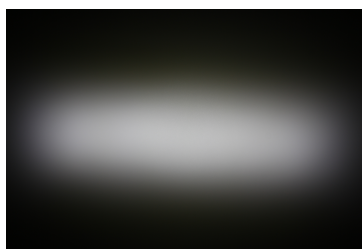
LED OSLON Signal
FWHM / FWTM 62.0 + 8.0° / 82.0 + 18.0°
Efficiency 90 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square Flat
FWHM / FWTM 61.0 + 10.0° / 82.0 + 23.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

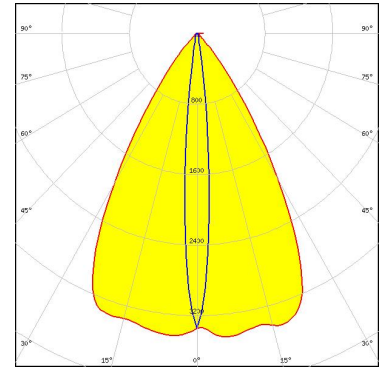


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

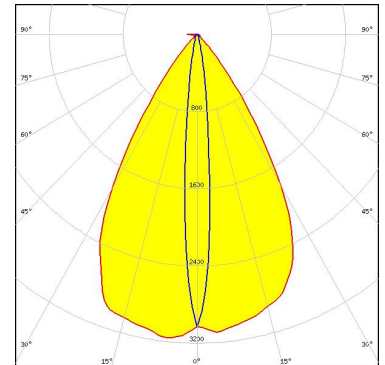
LED OSLOM SSL 150
FWHM / FWTM 62.0 + 10.0° / 83.0 + 20.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLOM SSL 80
FWHM / FWTM 62.0 + 10.0° / 84.0 + 24.0°
Efficiency 90 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

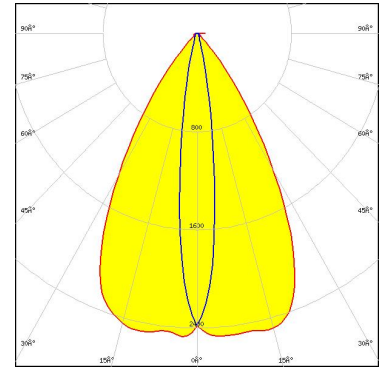
LED SFH 4770S
FWHM / FWTM 63.0 + 11.0° / 83.0 + 27.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



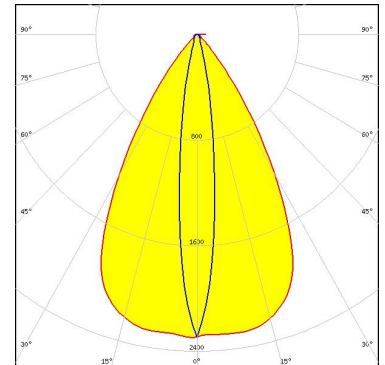
LED Z5M4
 FWHM / FWTM 62.0 + 14.0° / 84.0 + 30.0°
 Efficiency 90 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



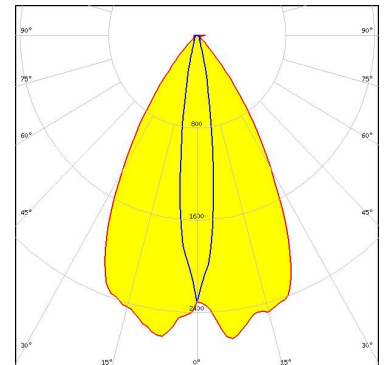
LED Z8Y22
 FWHM / FWTM 62.0 + 14.0° / 84.0 + 32.0°
 Efficiency 87 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22P
 FWHM / FWTM 60.0 + 12.0° / 84.0 + 30.0°
 Efficiency 93 %
 Peak intensity 2.7 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:

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