

HEIDI-RS

~8° spot beam

SPECIFICATION:

Dimensions	Ø 21.6
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

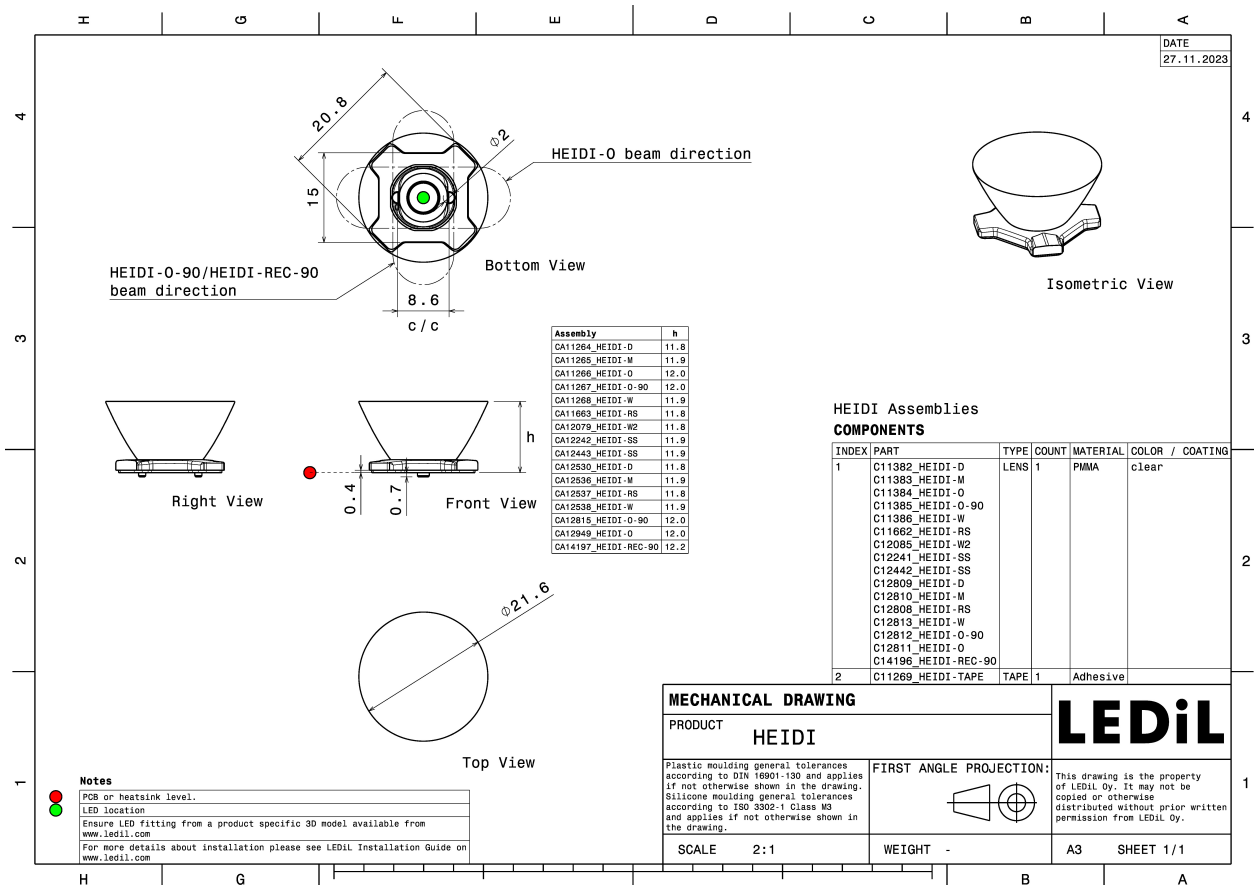


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-RS	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

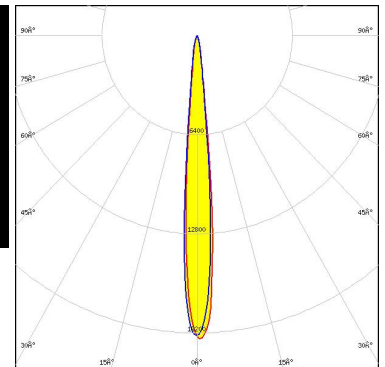


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



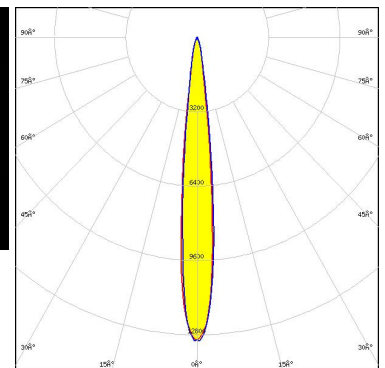
LED XP-G2
FWHM / FWTM 10.0° / 18.0°
Efficiency 94 %
Peak intensity 20 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



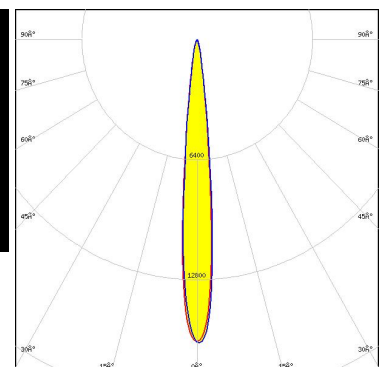
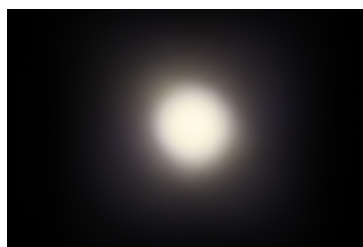
LED XP-G3
FWHM / FWTM 12.0° / 23.0°
Efficiency 94 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4
FWHM / FWTM 11.0° / 21.0°
Efficiency 96 %
Peak intensity 16.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

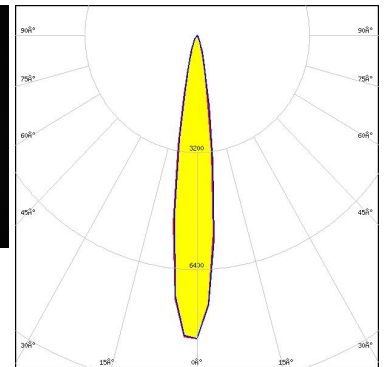
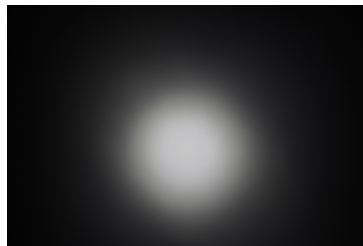


Light distribution files

OPTICAL RESULTS (MEASURED):



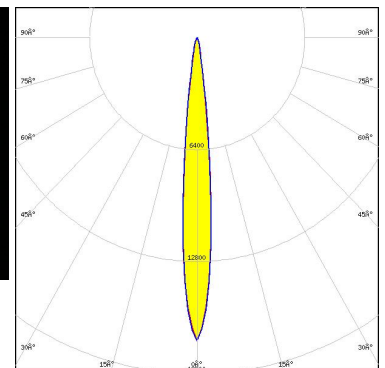
LED XP-L HD
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 89 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON A
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 87 %
 Peak intensity 15.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON Rebel
 FWHM / FWTM 8.0° / 17.0°
 Efficiency 88 %
 Peak intensity 26 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):



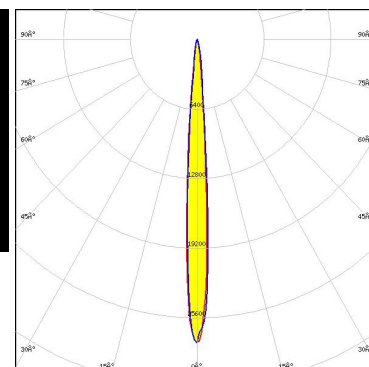
LED LUXEON Rebel ES
FWHM / FWTM 11.0° / 20.0°
Efficiency 86 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



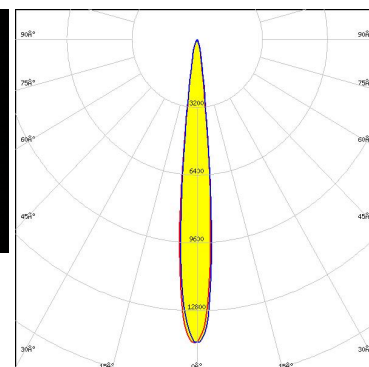
LED SST-10-B130
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 27.9 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files



LED NVSW219D
FWHM / FWTM 11.0° / 21.0°
Efficiency 94 %
Peak intensity 14.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

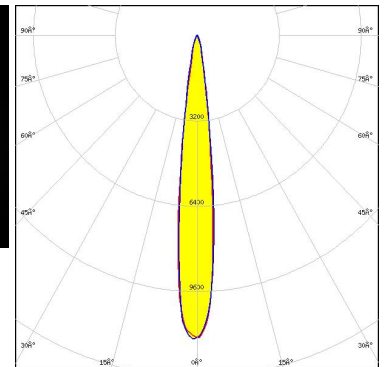


Light distribution files

OPTICAL RESULTS (MEASURED):



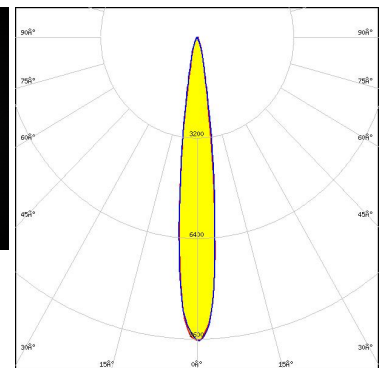
LED NVSW319B
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 94 %
 Peak intensity 11.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



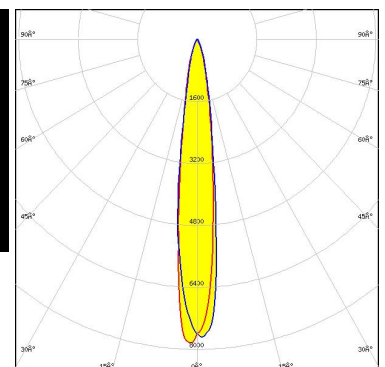
LED NVSW3x9A
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 92 %
 Peak intensity 9.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW519A
 FWHM / FWTM 14.0° / 33.0°
 Efficiency 93 %
 Peak intensity 8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

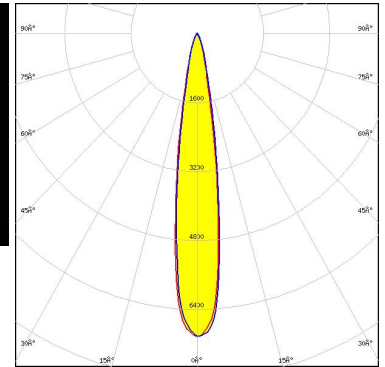


Light distribution files

OPTICAL RESULTS (MEASURED):



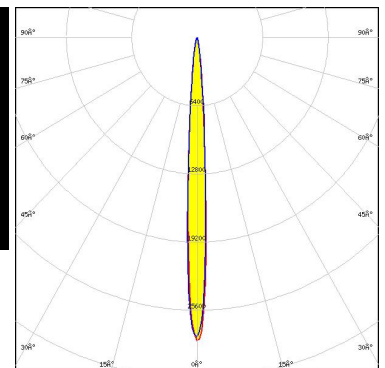
LED NWSx229A
FWHM / FWTM 16.0° / 32.0°
Efficiency 87 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLON SSL 150
FWHM / FWTM 7.0° / 16.0°
Efficiency 89 %
Peak intensity 28.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



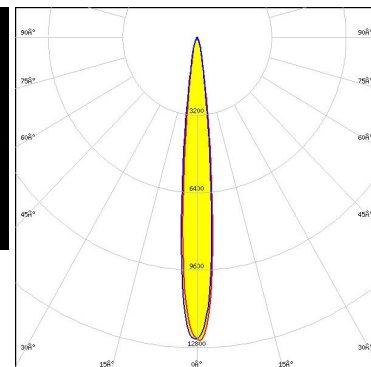
LED PLPVEC2 850A
FWHM / FWTM 6.0° / 16.0°
Efficiency %
LEDs/each optic 1
Light colour/type IR
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



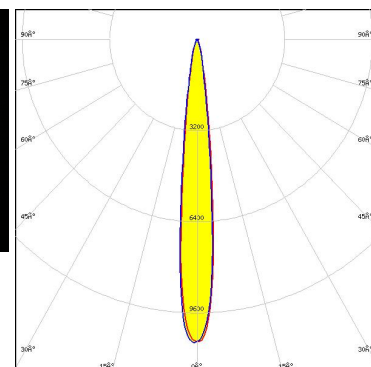
LED Z5M3
FWHM / FWTM 11.0° / 23.0°
Efficiency 94 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z8Y22P
FWHM / FWTM 12.0° / 25.0°
Efficiency 94 %
Peak intensity 10.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

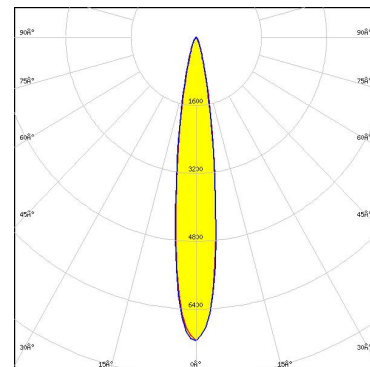


Light distribution files

OPTICAL RESULTS (SIMULATED):



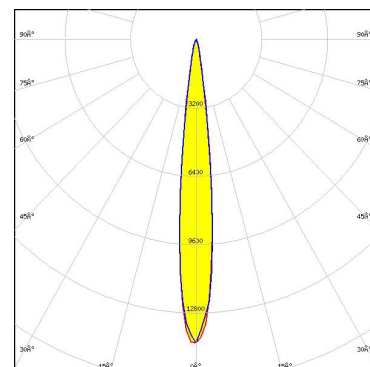
LED XHP35 HD
FWHM / FWTM 16.0° / 32.0°
Efficiency 94 %
Peak intensity 7.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



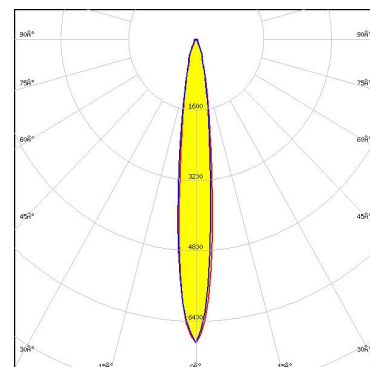
LED XHP35 HI
FWHM / FWTM 12.0° / 22.0°
Efficiency 96 %
Peak intensity 14.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP35.2 HI
FWHM / FWTM 13.0° / 32.0°
Efficiency 88 %
Peak intensity 6.9 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

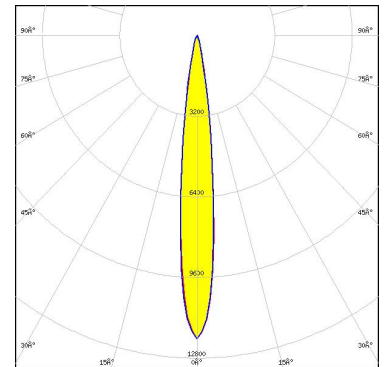


Light distribution files

OPTICAL RESULTS (SIMULATED):



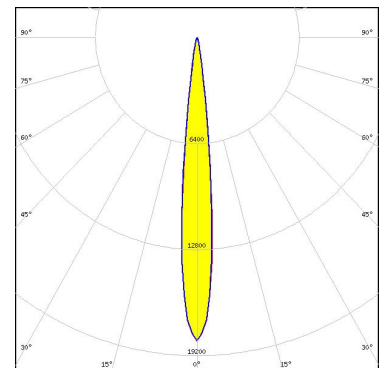
LED XP-G2 HE
FWHM / FWTM 12.0° / 26.0°
Efficiency 95 %
Peak intensity 12 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



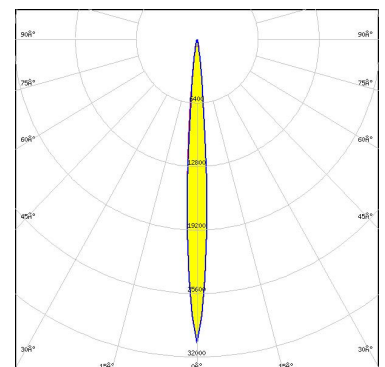
LED XP-G4
FWHM / FWTM 12.0° / 20.0°
Efficiency 96 %
Peak intensity 18.3 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4 HI
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 30.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

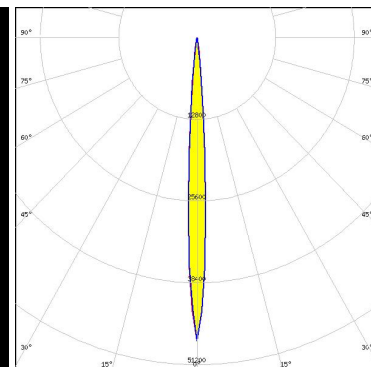
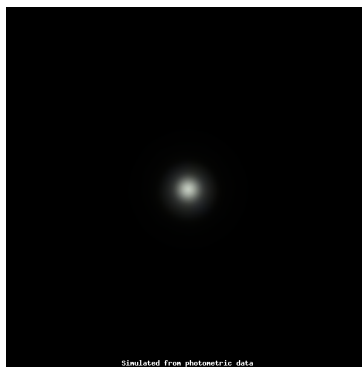


Light distribution files

OPTICAL RESULTS (SIMULATED):



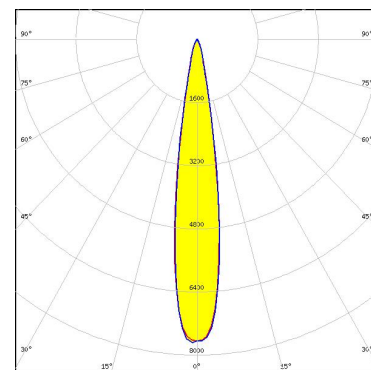
LED XP-GR
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 47.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



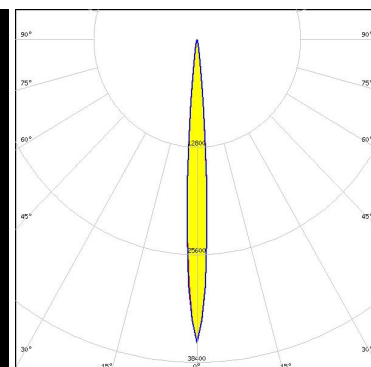
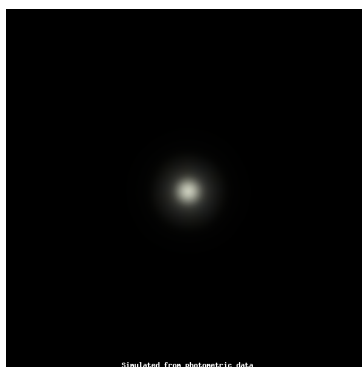
LED XP-L2
FWHM / FWTM 16.0° / 30.0°
Efficiency 93 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-LR
FWHM / FWTM 8.0° / 16.0 + 15.0°
Efficiency 97 %
Peak intensity 36.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

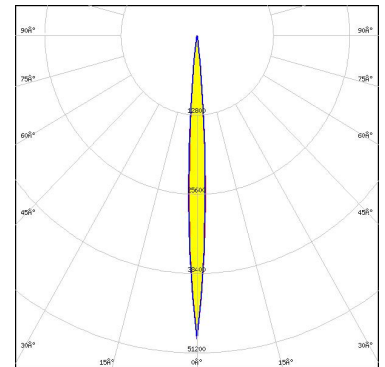


Light distribution files

OPTICAL RESULTS (SIMULATED):



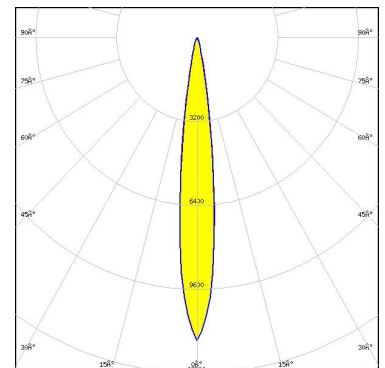
LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 96 %
 Peak intensity 48.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



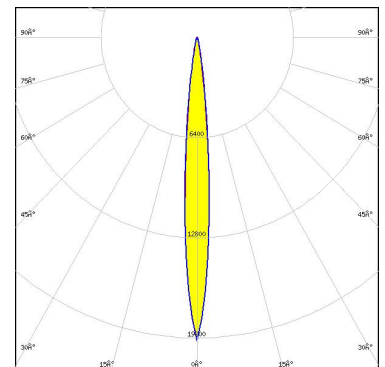
LED LUXEON HL2X
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 95 %
 Peak intensity 11.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2Z
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 95 %
 Peak intensity 19.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

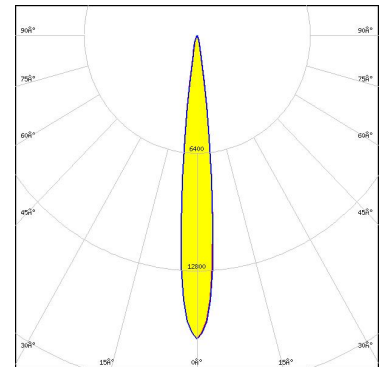


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON HL4Z
 FWHM / FWTM 12.0° / 20.0°
 Efficiency 96 %
 Peak intensity 16.5 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON IR Domed 150 (L1I0-0xxx1500000000)
 FWHM / FWTM 11.0° / 22.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



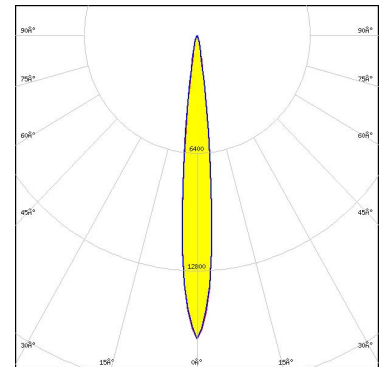
LED LUXEON IR Domed 90 (L1I0-0xxx0900000000)
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



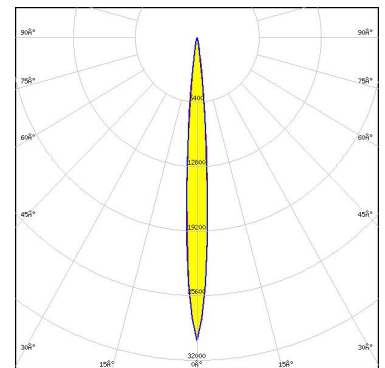
LED LUXEON R
FWHM / FWTM 11.0° / 20.0°
Efficiency 92 %
Peak intensity 16.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



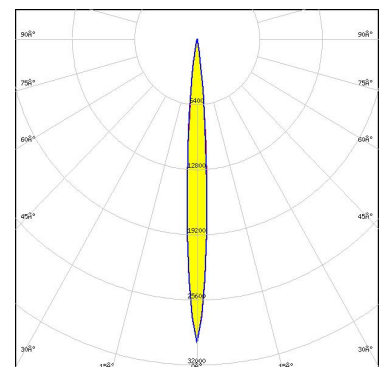
LED LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 30.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 7.8° / 17.0°
Efficiency 93 %
Peak intensity 29.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

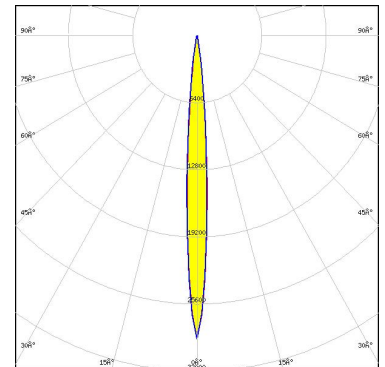


Light distribution files

OPTICAL RESULTS (SIMULATED):



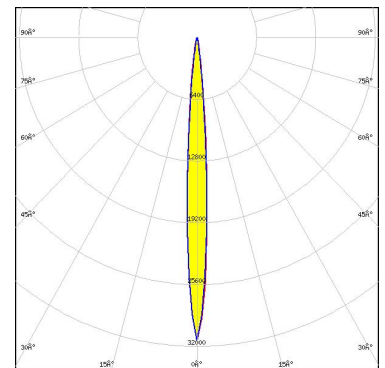
LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	8.0° / 16.0°
Efficiency	92 %
Peak intensity	28.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



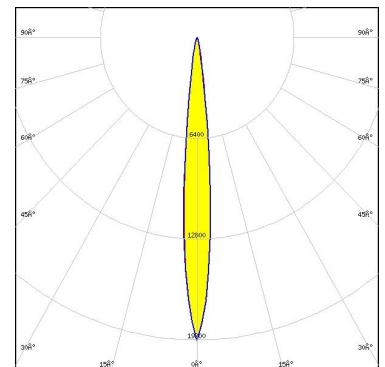
LED	LUXEON SunPlus 35 Line
FWHM / FWTM	7.8° / 17.0°
Efficiency	94 %
Peak intensity	31.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	LUXEON TX
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	19.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

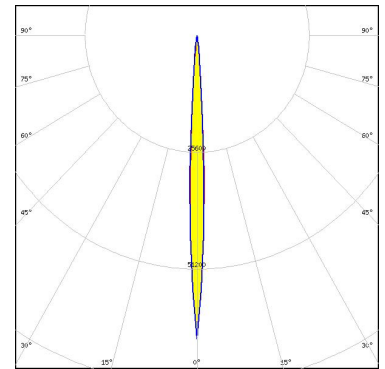


Light distribution files

OPTICAL RESULTS (SIMULATED):



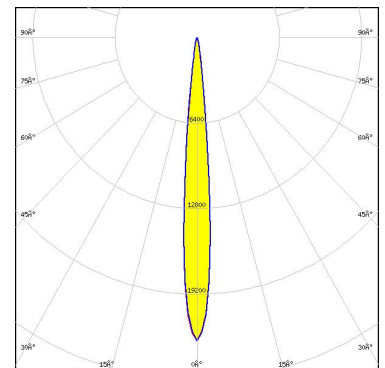
LED SFT-12R-W-A
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 94 %
 Peak intensity 66.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



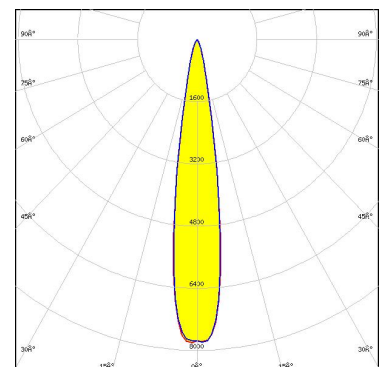
LED SST-20 Gen2
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 96 %
 Peak intensity 22.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NV4WB35AM
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 96 %
 Peak intensity 8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

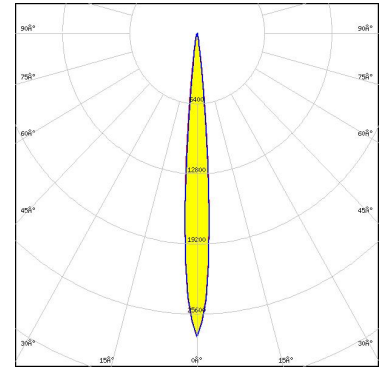


Light distribution files

OPTICAL RESULTS (SIMULATED):



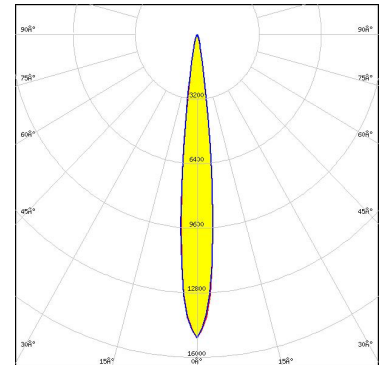
LED NVSW219C-V2
 FWHM / FWTM 9.0° / 16.0°
 Efficiency 96 %
 Peak intensity 27.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



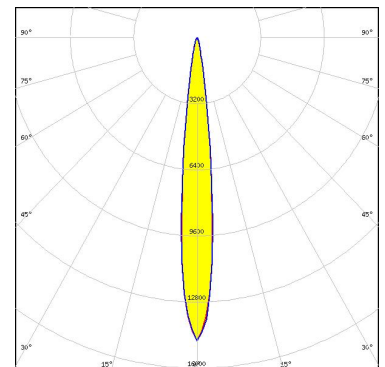
LED NVSW219F-V2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 96 %
 Peak intensity 15 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219GL
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 94 %
 Peak intensity 14.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

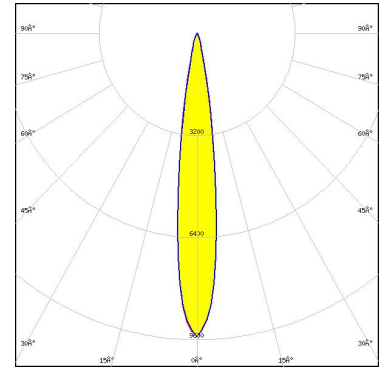


Light distribution files

OPTICAL RESULTS (SIMULATED):



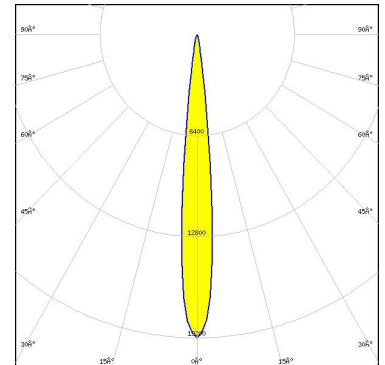
LED NVSW519A
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 92 %
 Peak intensity 9.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



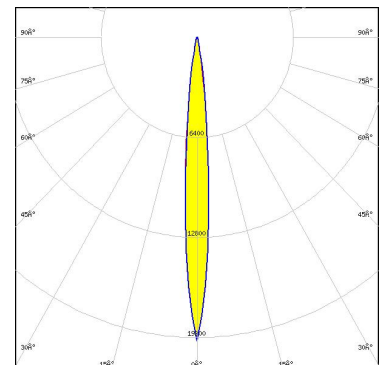
LED NVSW719AC
 FWHM / FWTM 12.0° / 20.0°
 Efficiency 97 %
 Peak intensity 19.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxE21A
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 94 %
 Peak intensity 19.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

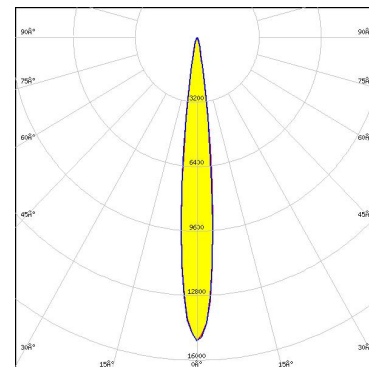


Light distribution files

OPTICAL RESULTS (SIMULATED):



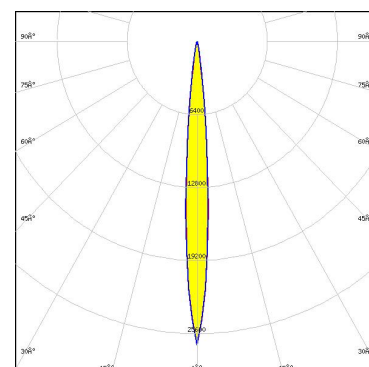
LED NVSxx19B/NVSxx19C
FWHM / FWTM 12.0° / 22.0°
Efficiency 95 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



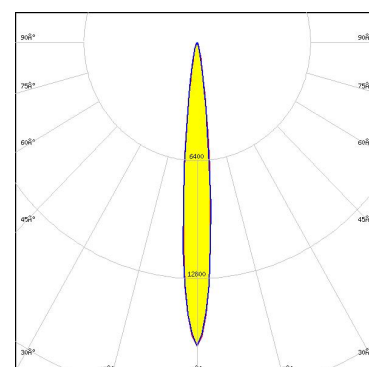
LED OSCONIQ C 2424 Gen1
FWHM / FWTM 8.0° / 18.0°
Efficiency 96 %
Peak intensity 26.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSCONIQ P 3737 Flat
FWHM / FWTM 10.0° / 22.0°
Efficiency 96 %
Peak intensity 16.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

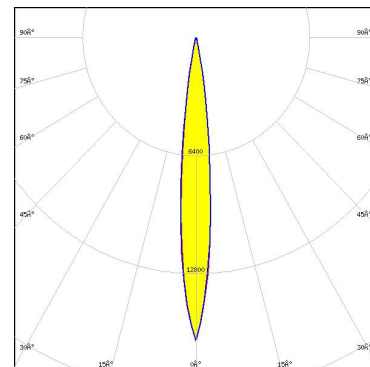


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

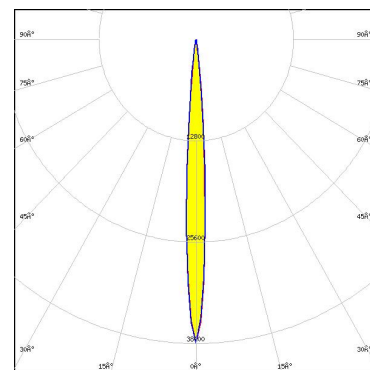
LED OSLON Black
FWHM / FWTM 11.0° / 22.0°
Efficiency 93 %
Peak intensity 16.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

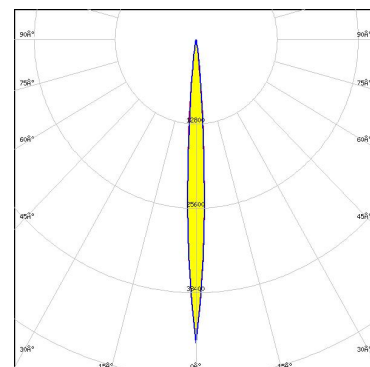
LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 7.3° / 15.0°
Efficiency 94 %
Peak intensity 38.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 46 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

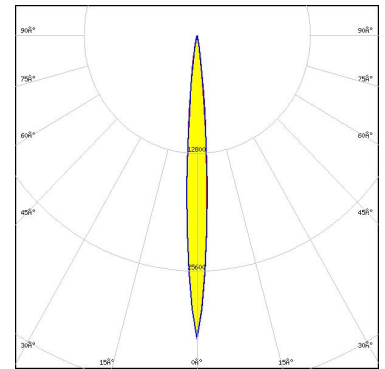


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

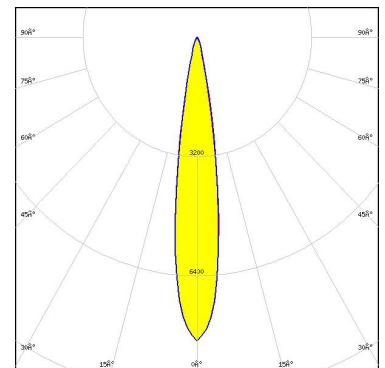
LED OSLON SSL 150
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 33 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

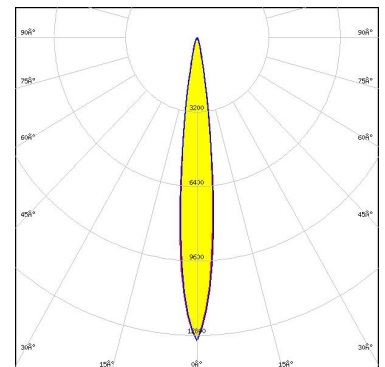
LED LH351D
FWHM / FWTM 16.0° / 29.0°
Efficiency 94 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEKUL
SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 12.0° / 25.0°
Efficiency 96 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

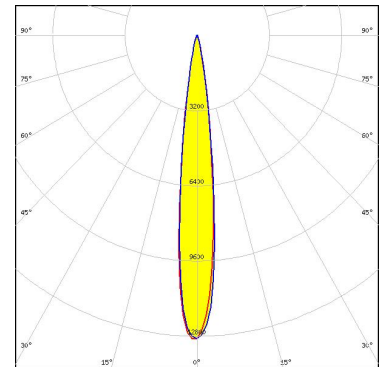


Light distribution files

OPTICAL RESULTS (SIMULATED):



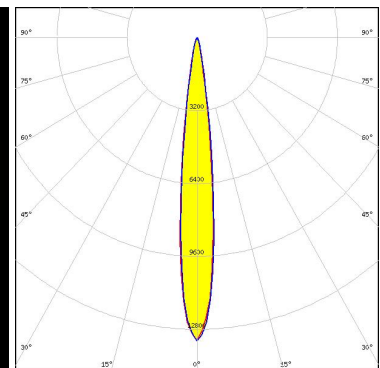
LED Z5M4
FWHM / FWTM 13.0° / 24.0°
Efficiency 95 %
Peak intensity 12.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



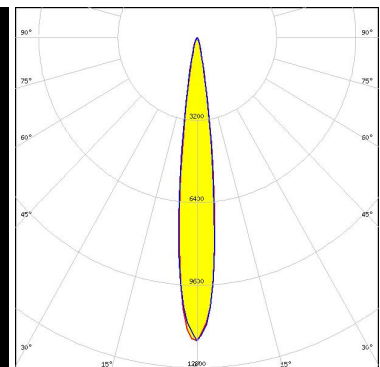
LED Z5M4-E1
FWHM / FWTM 12.0° / 24.0°
Efficiency 97 %
Peak intensity 13.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5M4-E2
FWHM / FWTM 14.0° / 26.0°
Efficiency 97 %
Peak intensity 11.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

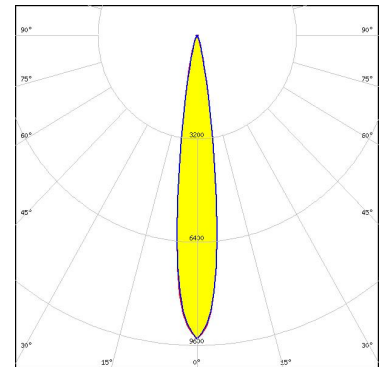


Light distribution files

OPTICAL RESULTS (SIMULATED):



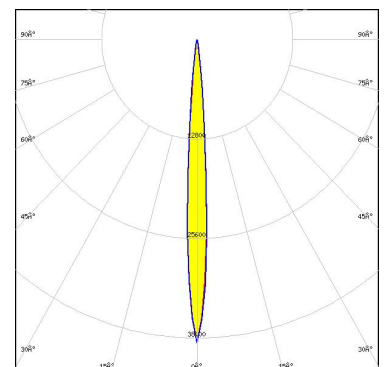
LED Z5M5
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 92 %
 Peak intensity 9.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



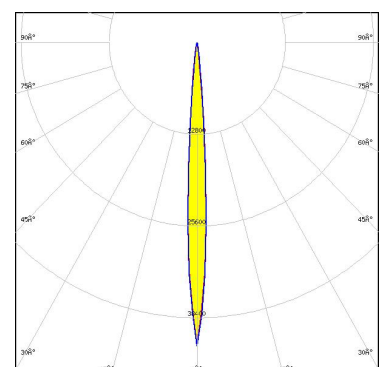
LED MGN1108MS
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 97 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



LED MJN1108MS
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 97 %
 LEDs/each optic 1
 Light colour/type IR
 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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