

HEIDI-RS

~8° spot beam

SPECIFICATION:

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

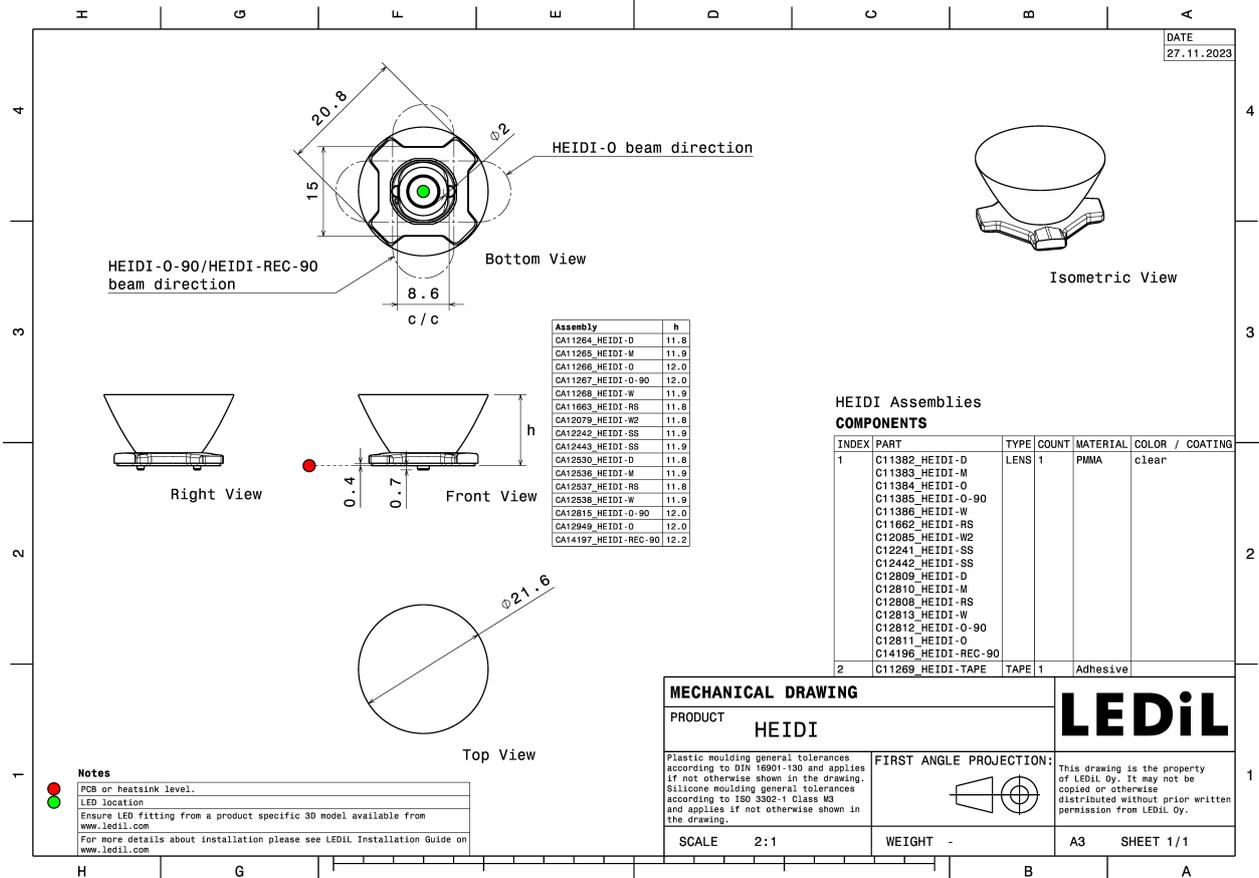


MATERIALS:

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)
CA11663_HEIDI-RS	Single lens	3264	204	204	10.4
» Box size: 480 x 280 x 300 mm					



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

OPTICAL RESULTS (MEASURED):



LED XB-D
FWHM / FWTM 8.0°
Efficiency 91 %
Peak intensity 19.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



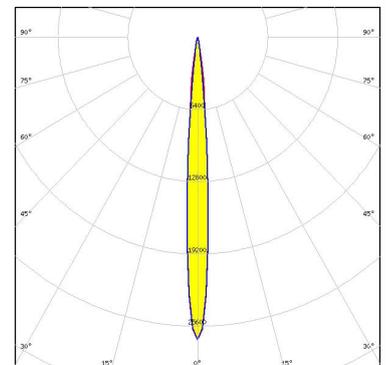
LED XB-H
FWHM / FWTM 10.0° / 19.0°
Efficiency 90 %
Peak intensity 18.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-E
FWHM / FWTM 8.0° / 18.0°
Efficiency 93 %
Peak intensity 26.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

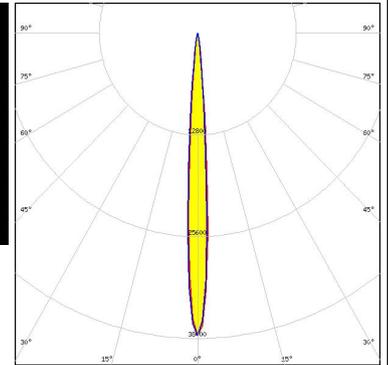


Light distribution files

OPTICAL RESULTS (MEASURED):



LED XP-E2
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 90 %
 Peak intensity 38 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

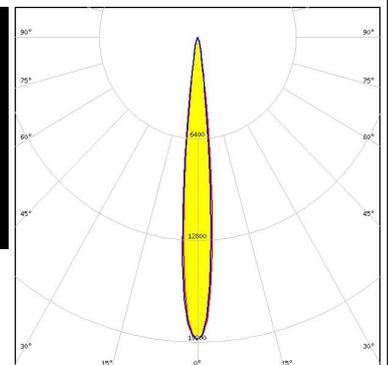
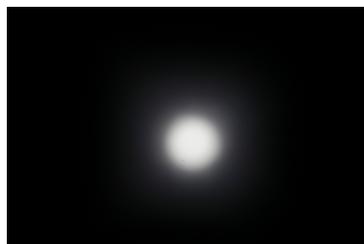


LED XP-G
 FWHM / FWTM 9.0° / 20.0°
 Efficiency 93 %
 Peak intensity 16.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED XP-G2
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 91 %
 Peak intensity 19.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

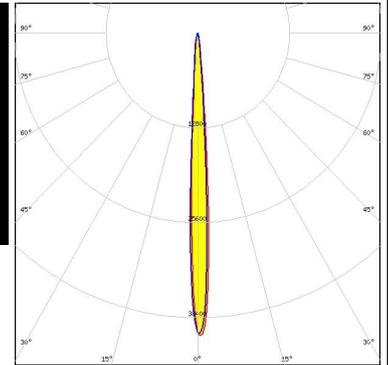


Light distribution files

OPTICAL RESULTS (MEASURED):



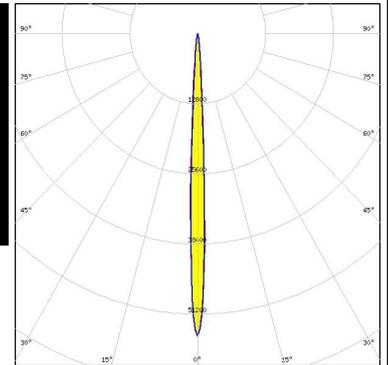
LED XQ-E HD
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 94 %
 Peak intensity 42.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



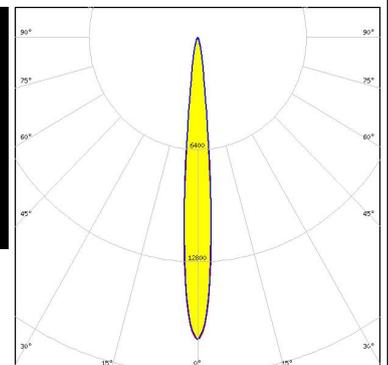
LED XQ-E HI
 FWHM / FWTM 5.0° / 11.0°
 Efficiency 94 %
 Peak intensity 55.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XT-E
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 97 %
 Peak intensity 17.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

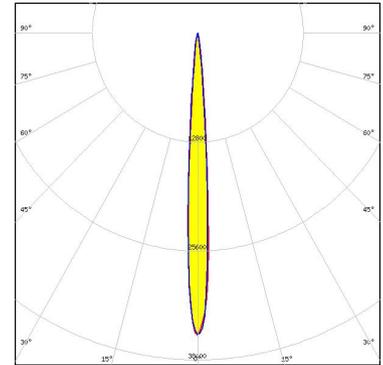


Light distribution files

OPTICAL RESULTS (MEASURED):



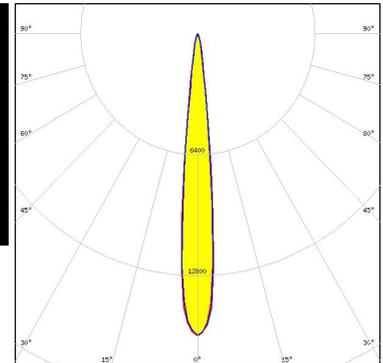
LED LUXEON C
 FWHM / FWTM 7.0° / 14.0°
 Efficiency 92 %
 Peak intensity 35.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



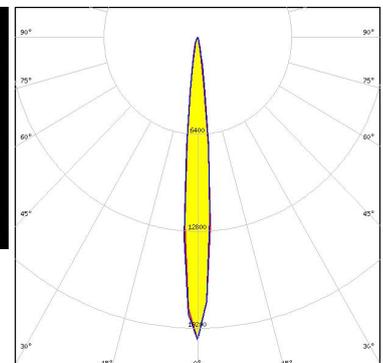
LED LUXEON T
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 92 %
 Peak intensity 16.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON TX
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 90 %
 Peak intensity 19.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

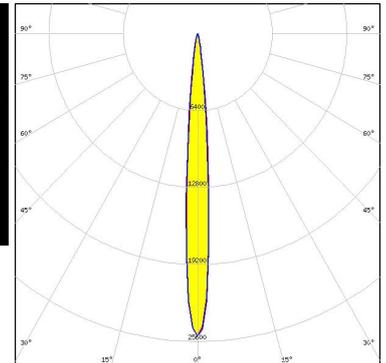


LED NCSxx19A
FWHM / FWTM 8.0° / 18.0°
Efficiency 89 %
Peak intensity 19 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



LED NCSxx19B
FWHM / FWTM 9.0° / 18.0°
Efficiency 90 %
Peak intensity 25.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



[Light distribution files](#)



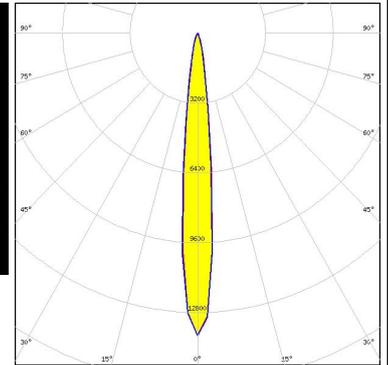
LED NVSxx19A
FWHM / FWTM 10.0° / 23.0°
Efficiency 89 %
Peak intensity 13.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



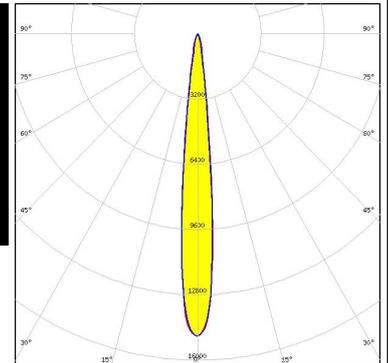
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 92 %
 Peak intensity 13.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
 FWHM / FWTM 12.0° / 21.0°
 Efficiency 96 %
 Peak intensity 14.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 89 %
 Peak intensity 20.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

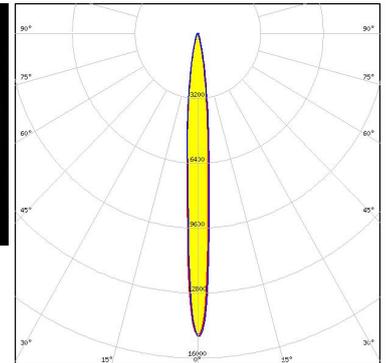
OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 7.0° / 16.0°
Efficiency 93 %
Peak intensity 24.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

SAMSUNG

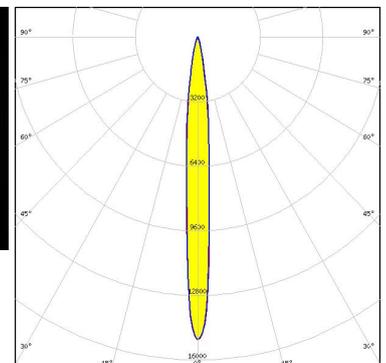
LED LH181A
FWHM / FWTM 8.0° / 24.0°
Efficiency 94 %
Peak intensity 14.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH181B
FWHM / FWTM 9.0° / 24.0°
Efficiency 94 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

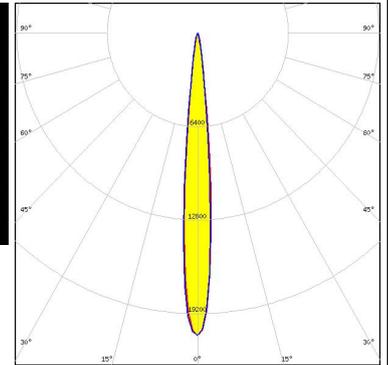


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LH351Z
 FWHM / FWTM 11.0° / 19.0°
 Efficiency 89 %
 Peak intensity 20.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

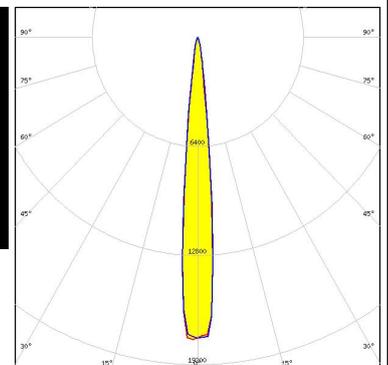
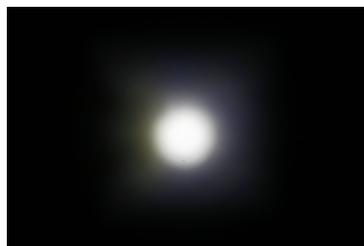


LED Z5
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 93 %
 Peak intensity 32.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED Z5M1/Z5M2
 FWHM / FWTM 11.0° / 19.0°
 Efficiency 94 %
 Peak intensity 17.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

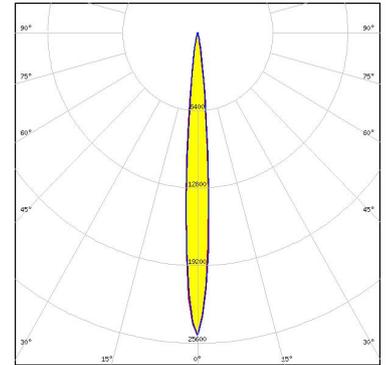


Light distribution files

OPTICAL RESULTS (SIMULATED):



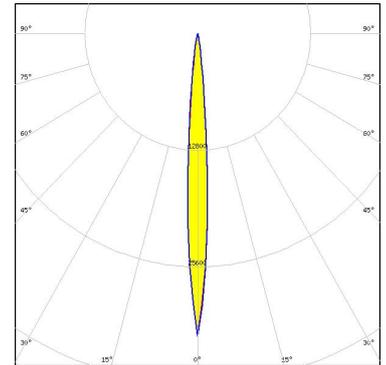
LED XB-D
FWHM / FWTM 8.0° / 18.0°
Efficiency 93 %
Peak intensity 25 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



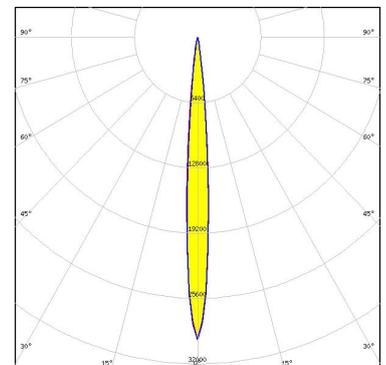
LED XE-G
FWHM / FWTM 8.0° / 16.0°
Efficiency 97 %
Peak intensity 33.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XE-G
FWHM / FWTM 8.0° / 16.0°
Efficiency 95 %
Peak intensity 29.7 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:

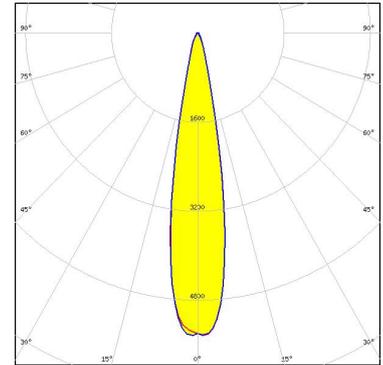


Light distribution files

OPTICAL RESULTS (SIMULATED):



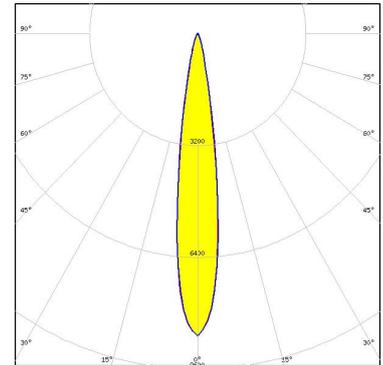
LED XHP35.2 HD
 FWHM / FWTM 20.0° / 34.0°
 Efficiency 91 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



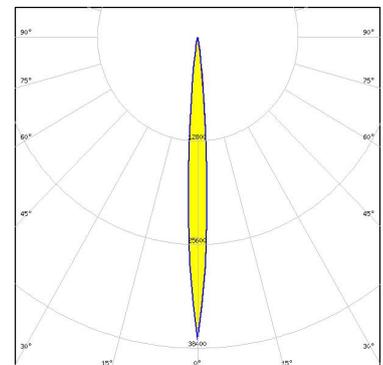
LED XHP35.2 HI
 FWHM / FWTM 16.0° / 29.0°
 Efficiency 94 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-E2
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 96 %
 Peak intensity 37.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

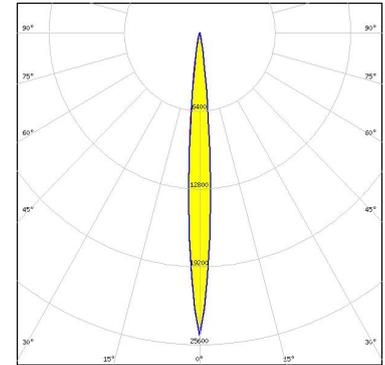


Light distribution files

OPTICAL RESULTS (SIMULATED):



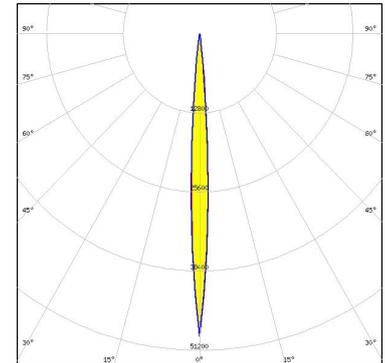
LED XP-G4 HI
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 97 %
 Peak intensity 24.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



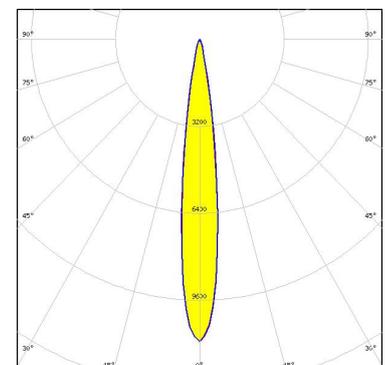
LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 96 %
 Peak intensity 48.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 94 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

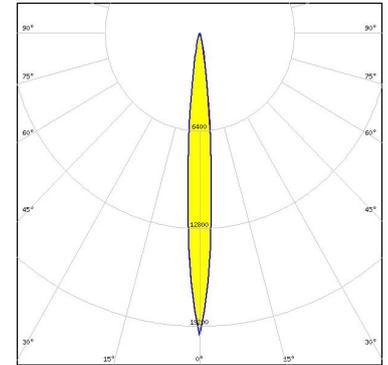


Light distribution files

OPTICAL RESULTS (SIMULATED):



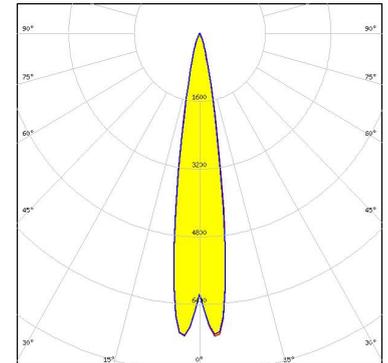
LED LUXEON HL2Z
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 19.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



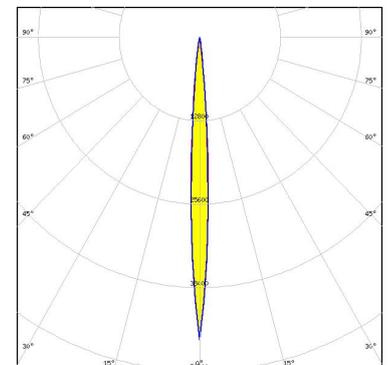
LED LUXEON MZ
FWHM / FWTM 18.0° / 31.0°
Efficiency 95 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 46.4 cd/lm
LEDs/each optic 1
Light colour/type Green
Required components:

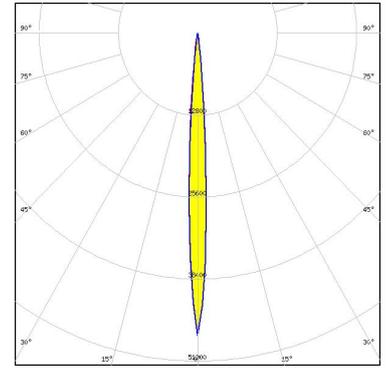


Light distribution files

OPTICAL RESULTS (SIMULATED):



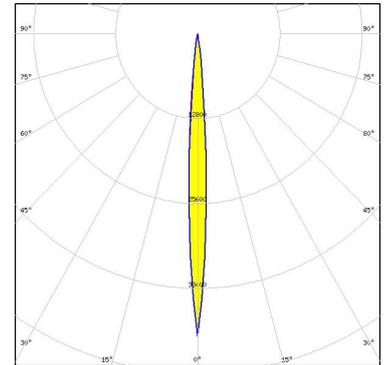
LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 47.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



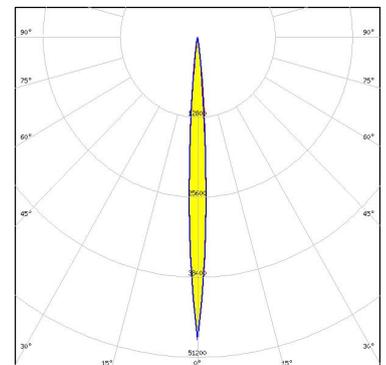
LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 45.6 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:



Light distribution files



LED LUXEON Rubix
FWHM / FWTM 6.0° / 14.0°
Efficiency 96 %
Peak intensity 48.4 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:

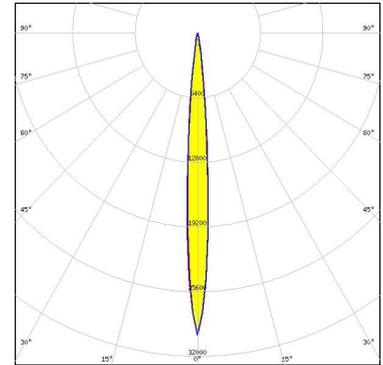


Light distribution files

OPTICAL RESULTS (SIMULATED):



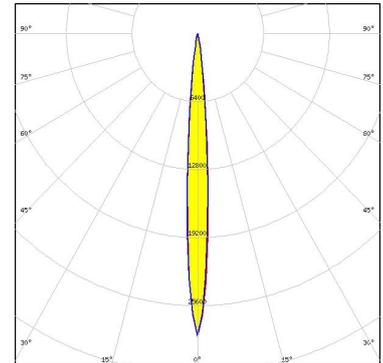
LED LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM 8.0° / 16.0°
Efficiency 96 %
Peak intensity 30 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



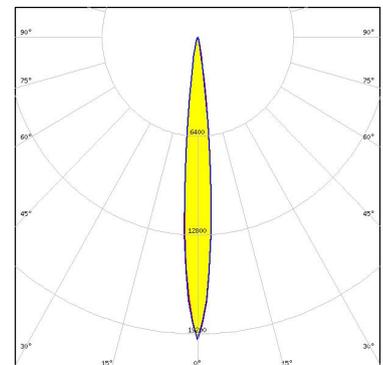
LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 8.0° / 17.0°
Efficiency 91 %
Peak intensity 28.5 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON TX
FWHM / FWTM 10.0° / 20.0°
Efficiency 96 %
Peak intensity 19.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

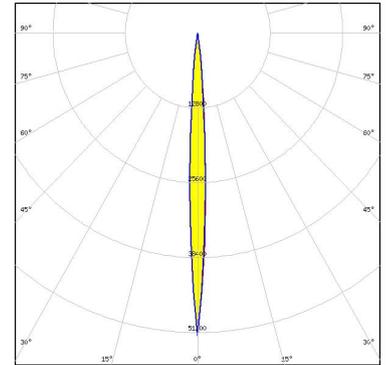


Light distribution files

OPTICAL RESULTS (SIMULATED):



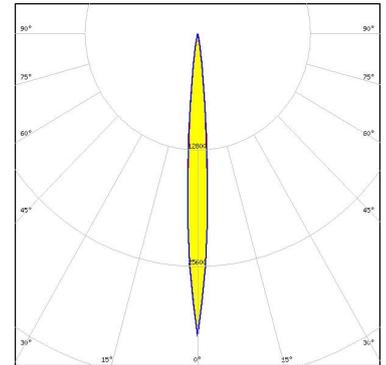
LED LUXEON Z
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 95 %
 Peak intensity 51.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



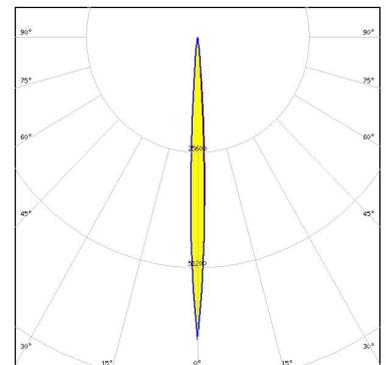
LED LUXEON Z ES
 FWHM / FWTM 7.7° / 17.0°
 Efficiency 94 %
 Peak intensity 33.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

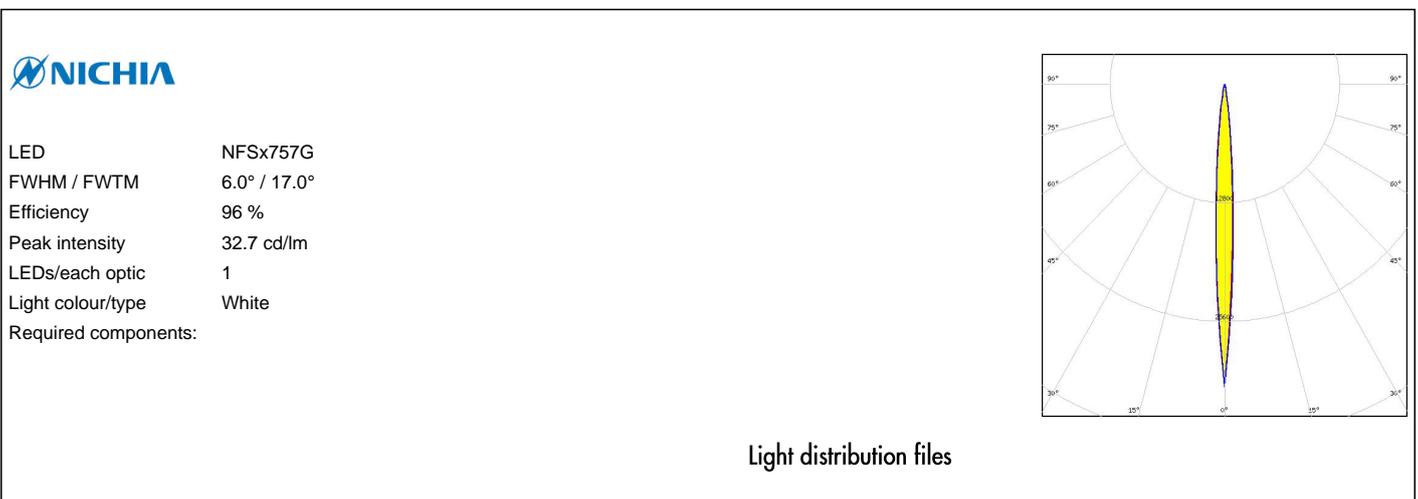
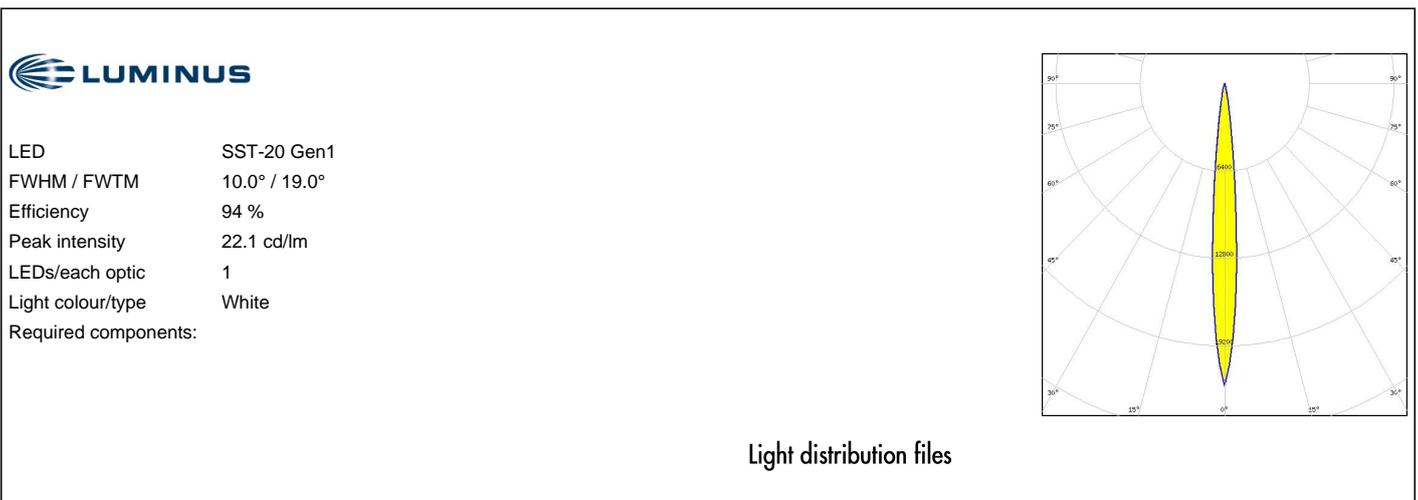
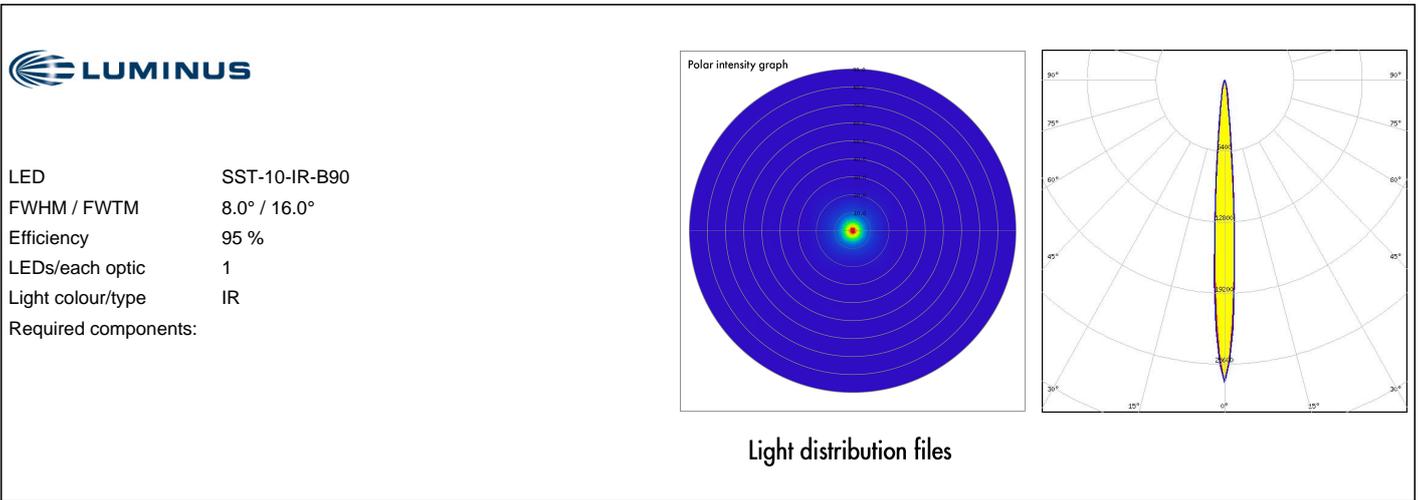


LED SFT-12R-W-A
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 95 %
 Peak intensity 67.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

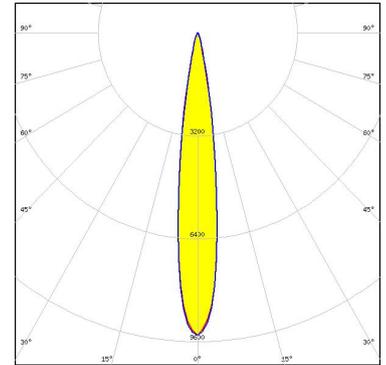
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):



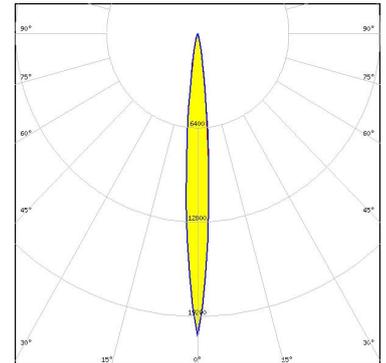
LED NVSW519A
FWHM / FWTM 14.0° / 28.0°
Efficiency 92 %
Peak intensity 9.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



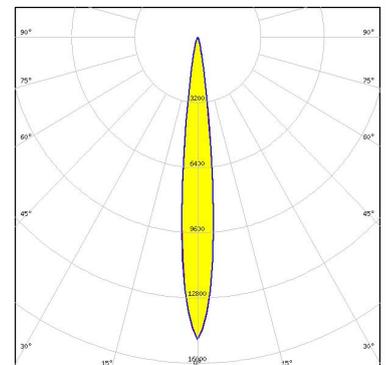
LED NVSxE21A
FWHM / FWTM 8.0° / 20.0°
Efficiency 93 %
Peak intensity 20.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

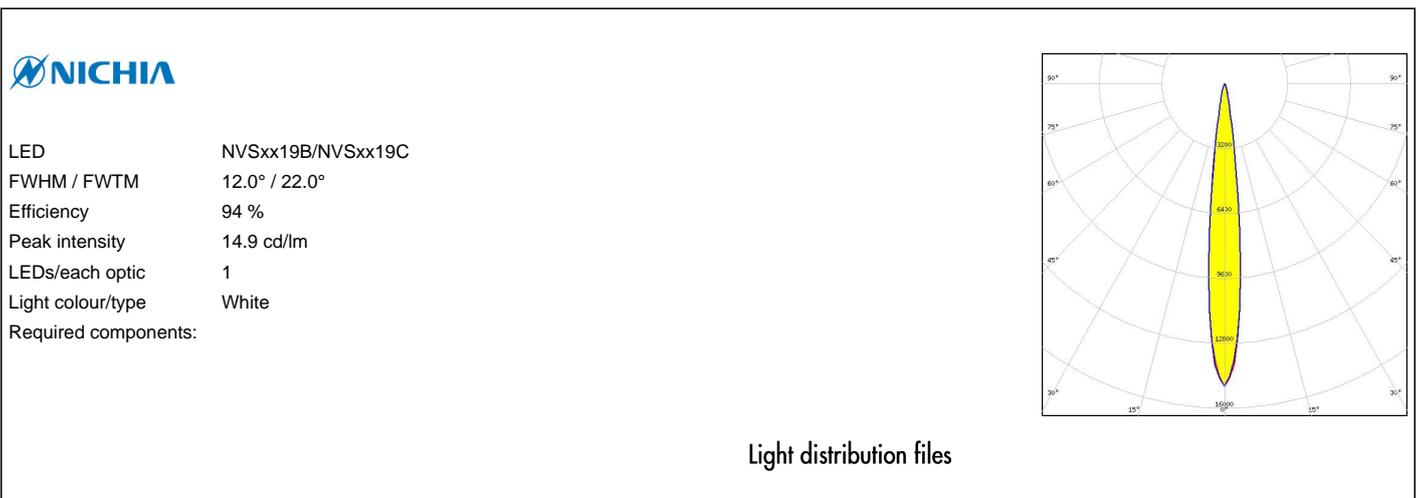
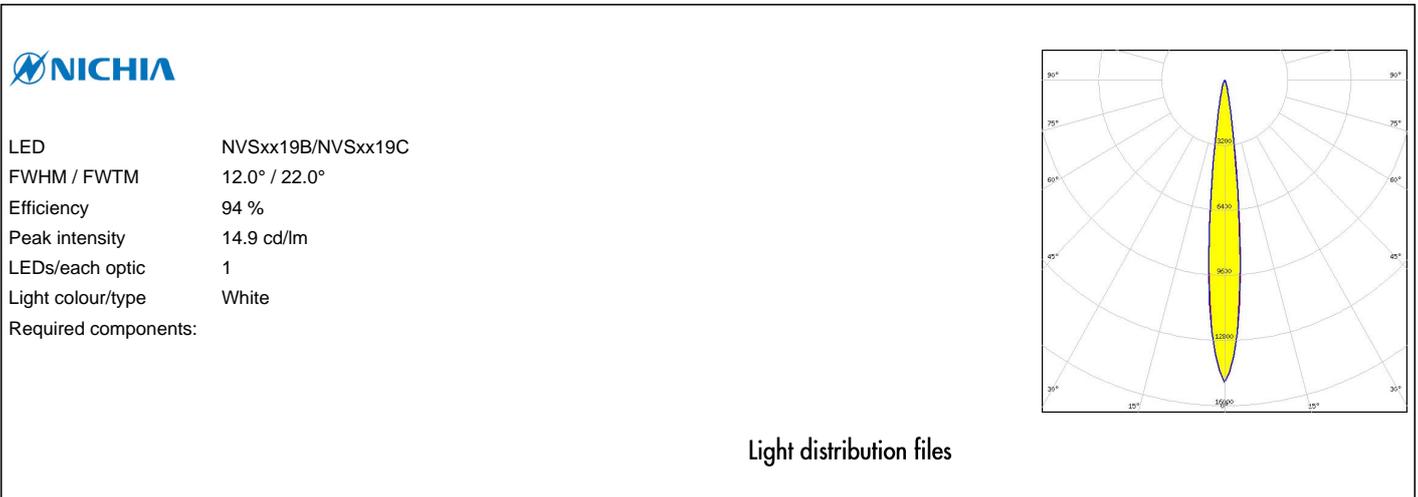


LED NVSxx19B/NVSxx19C
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 14.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

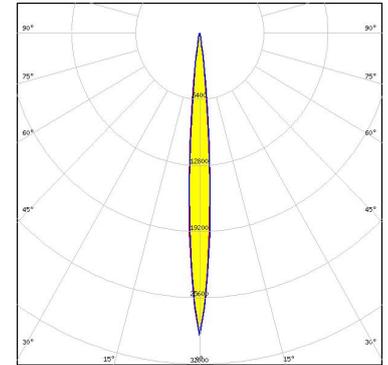
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSLON PURE 1010
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 29.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

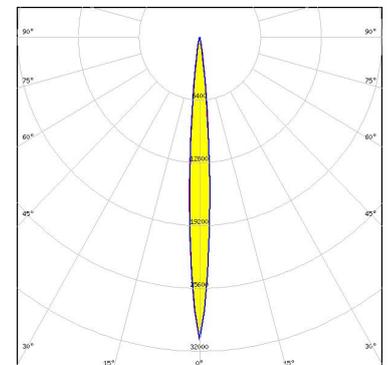
OSRAM
Opto Semiconductors

LED OSLON Square EC
FWHM / FWTM 12.0°
Efficiency %
Peak intensity 11.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square Flat
FWHM / FWTM 8.0° / 17.0°
Efficiency 96 %
Peak intensity 30.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

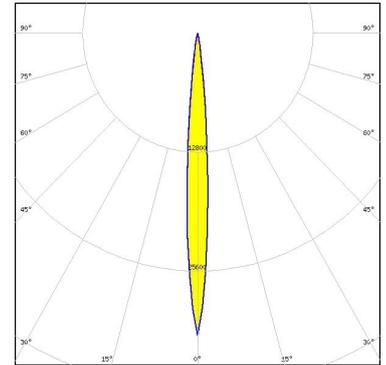


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

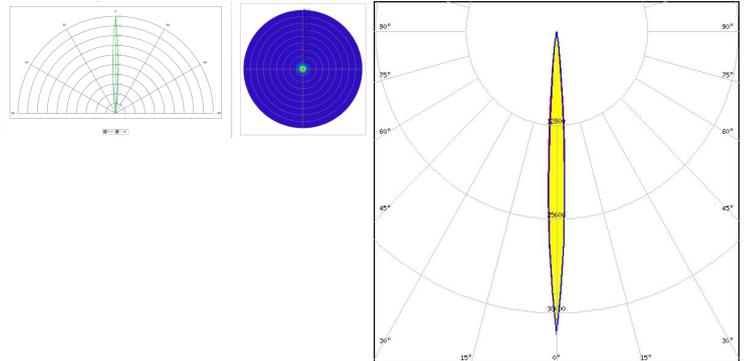
LED OSLON SSL 150
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 96 %
 Peak intensity 32.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

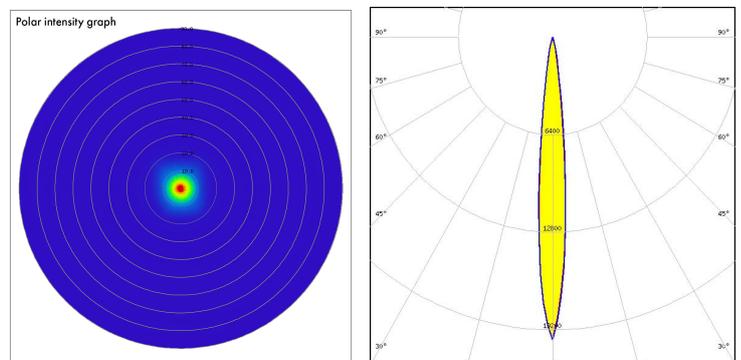
LED SFH 4170S
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4715AS
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

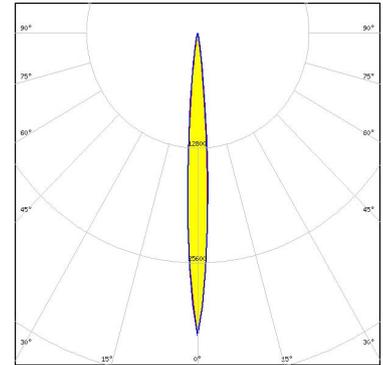
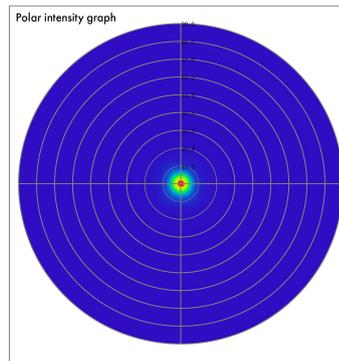


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

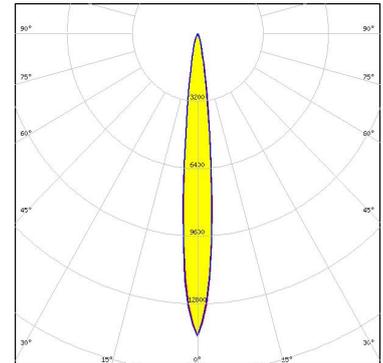
LED SFH 4716AS
FWHM / FWTM 8.0° / 15.0°
Efficiency 95 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

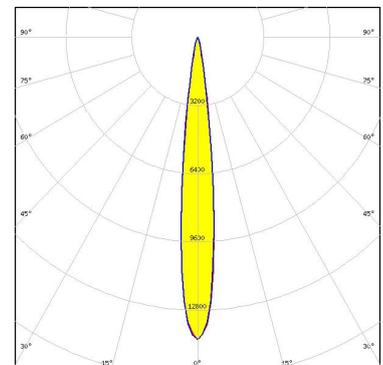
LED LH231B
FWHM / FWTM 11.0° / 24.0°
Efficiency 96 %
Peak intensity 14.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 14.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

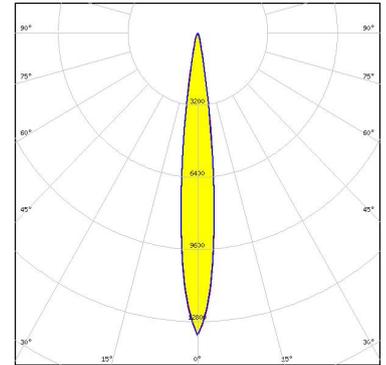


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

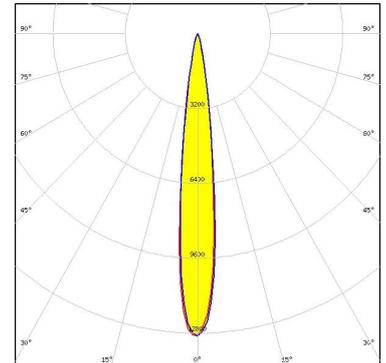
LED LH351C
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 95 %
 Peak intensity 13.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



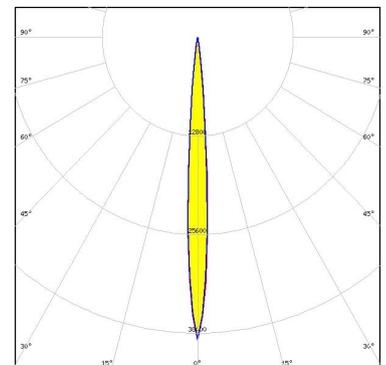
LED Z5M4
 FWHM / FWTM 13.0° / 24.0°
 Efficiency 96 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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

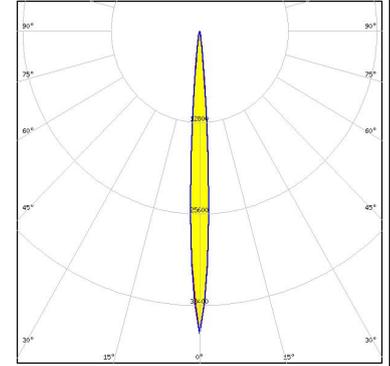


Light distribution files

OPTICAL RESULTS (SIMULATED):



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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