

HEIDI-W2

~45° wide beam

SPECIFICATION:

Dimensions	Ø 21.6
Height	12 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

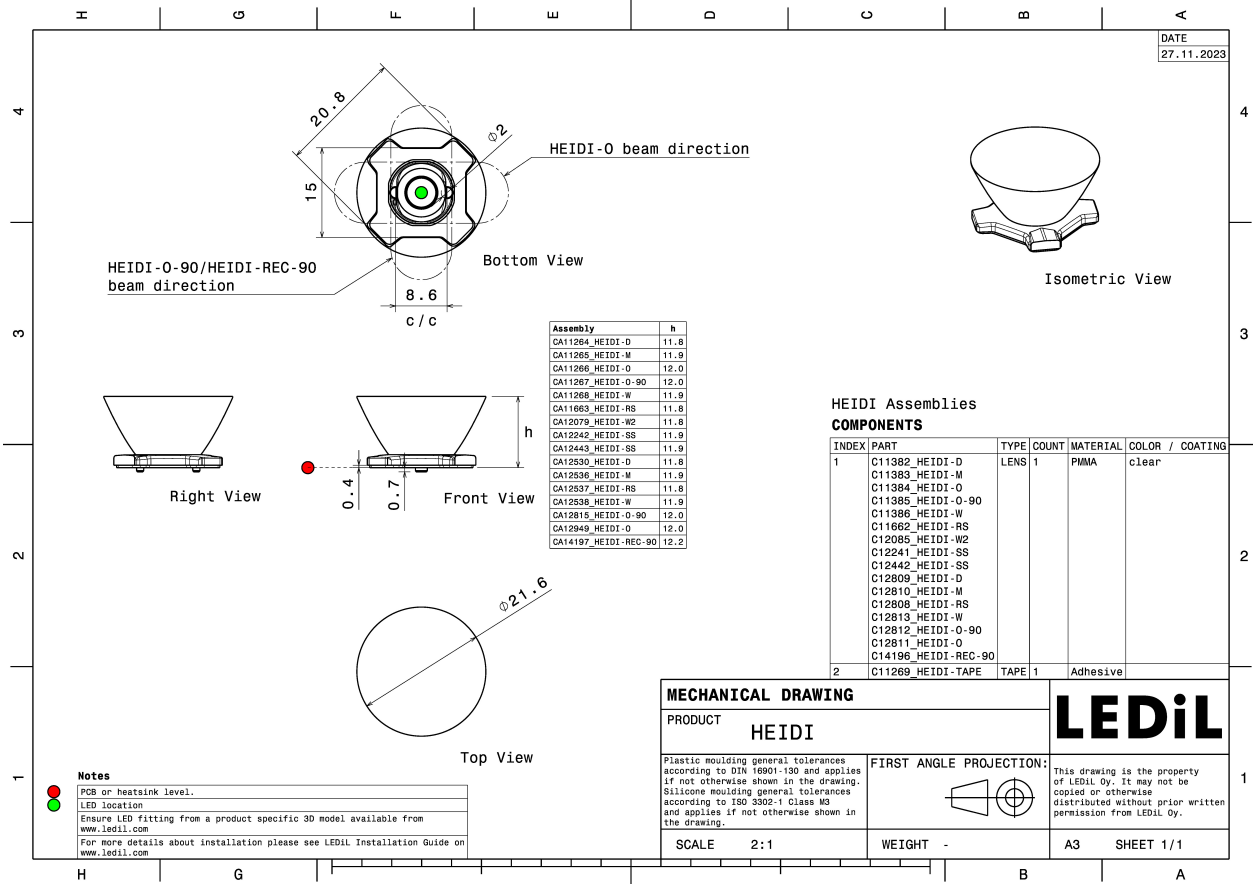


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-W2	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12079_HEIDI-W2	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 XB-D
 FWHM / FWTM 46.0°
 Efficiency 76 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



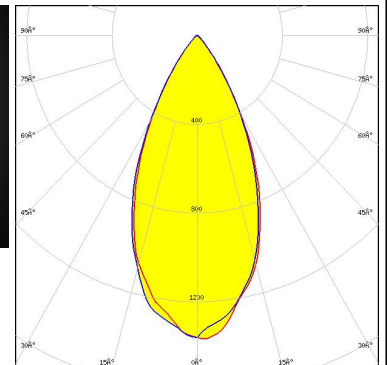
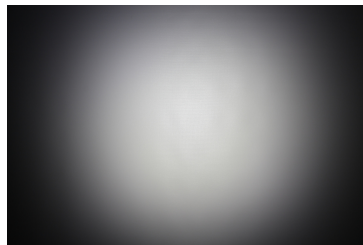
LED XB-H
 FWHM / FWTM 45.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XHP35 HD
 FWHM / FWTM 46.0° / 80.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

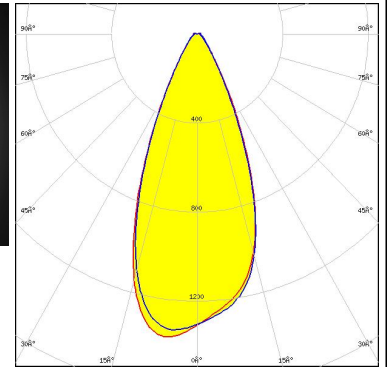
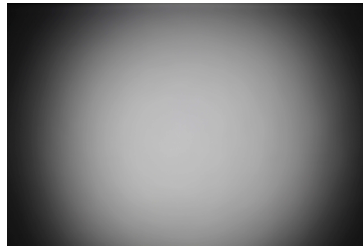


Light distribution files

OPTICAL RESULTS (MEASURED):



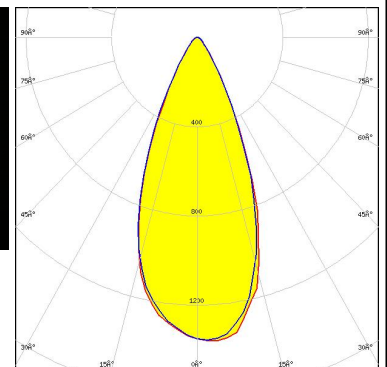
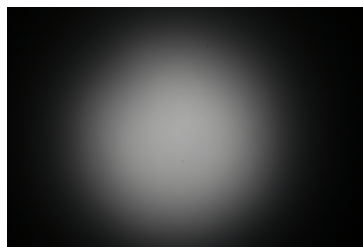
LED XHP35 HI
 FWHM / FWTM 44.0° / 72.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



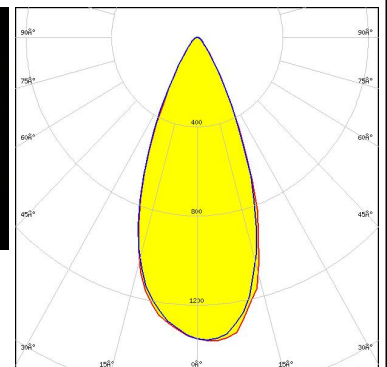
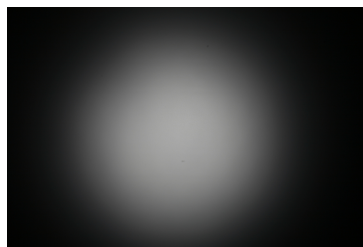
LED XP-E
 FWHM / FWTM 44.0° / 70.0°
 Efficiency 81 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-E2
 FWHM / FWTM 45.0° / 72.0°
 Efficiency 81 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

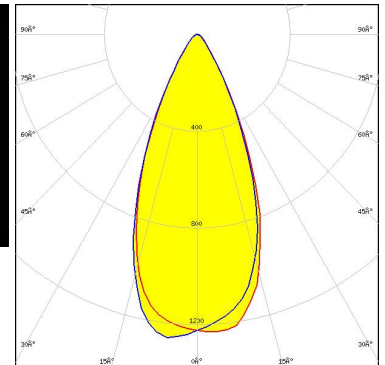
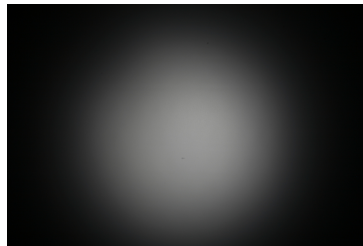


LED XP-G
FWHM / FWTM 44.0° / 72.0°
Efficiency 81 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



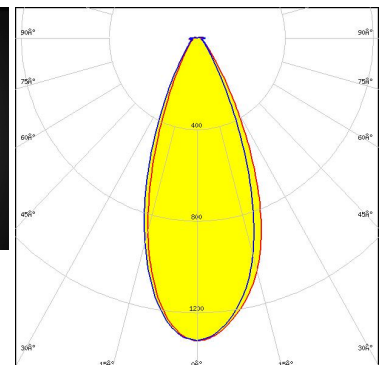
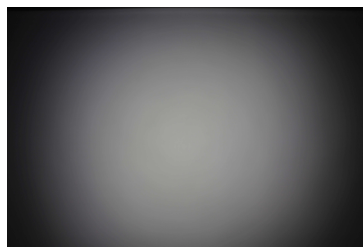
LED XP-G2
FWHM / FWTM 46.0° / 74.0°
Efficiency 80 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G3
FWHM / FWTM 42.0° / 73.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

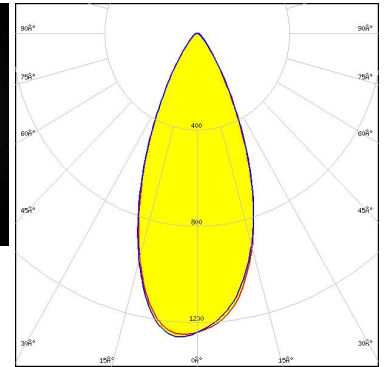
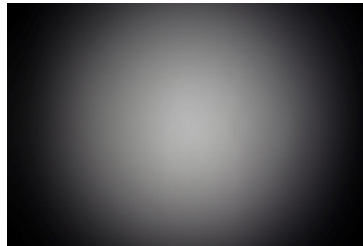


Light distribution files

OPTICAL RESULTS (MEASURED):



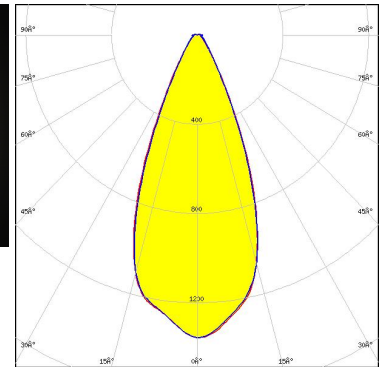
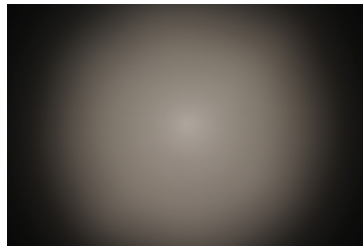
LED XP-L HD
 FWHM / FWTM 44.0° / 74.0°
 Efficiency 79 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



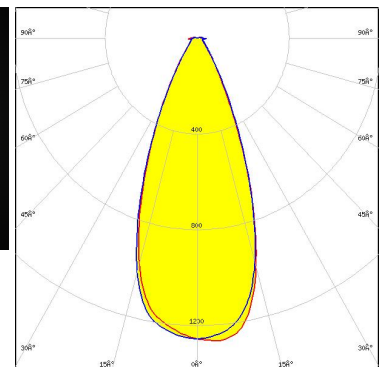
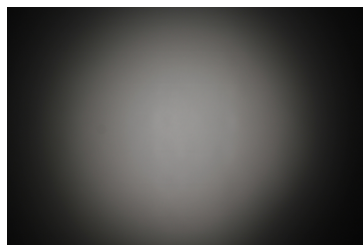
LED XQ-E HD
 FWHM / FWTM 44.0° / 70.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XQ-E HI
 FWHM / FWTM 42.0° / 72.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

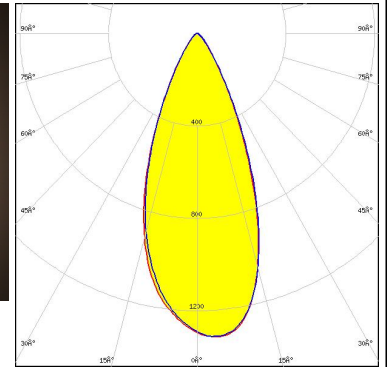
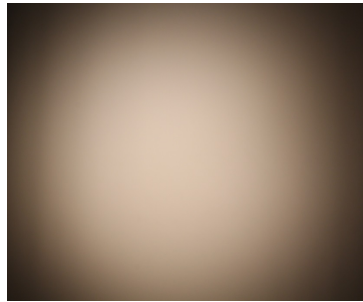


Light distribution files

OPTICAL RESULTS (MEASURED):



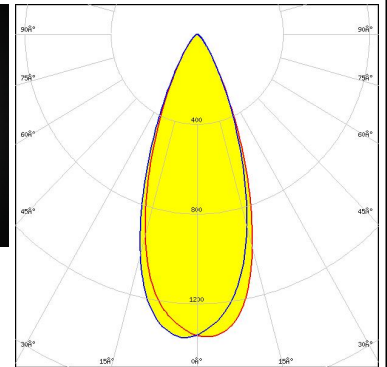
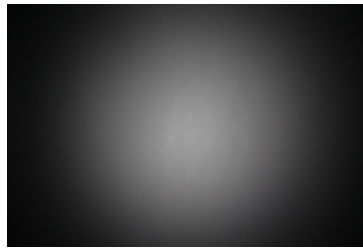
LED XT-E
 FWHM / FWTM 42.0° / 71.0°
 Efficiency 75 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



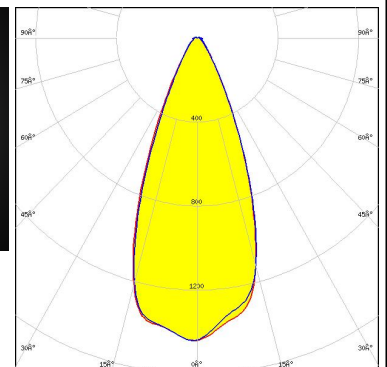
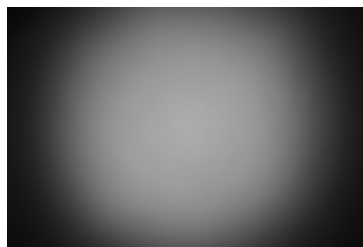
LED LUXEON C
 FWHM / FWTM 40.0° / 69.0°
 Efficiency 71 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CZ
 FWHM / FWTM 42.0° / 70.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

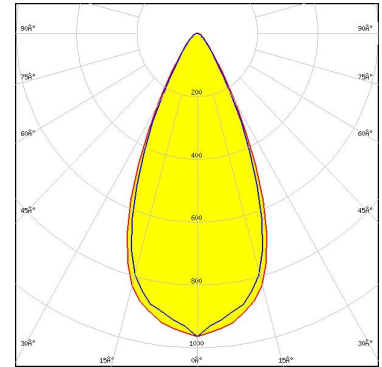


Light distribution files

OPTICAL RESULTS (MEASURED):



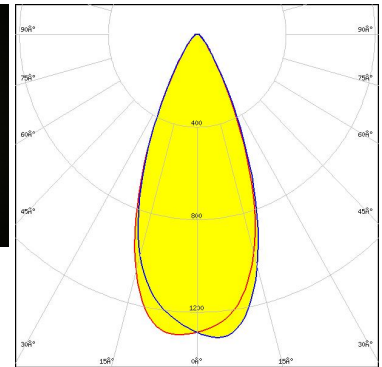
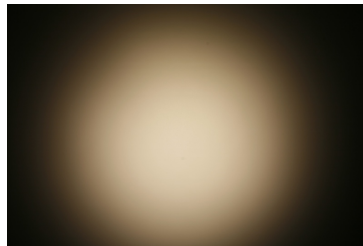
LED LUXEON Rebel
 FWHM / FWTM 49.0° / 76.0°
 Efficiency 85 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



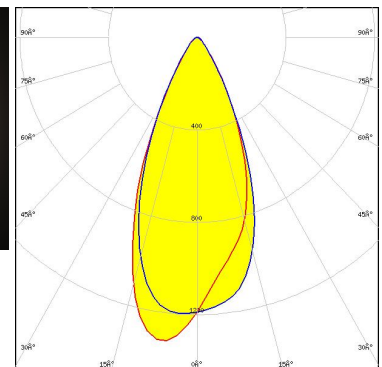
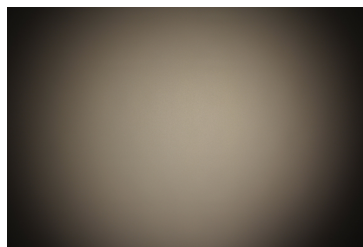
LED LUXEON T
 FWHM / FWTM 44.0° / 72.0°
 Efficiency 83 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON TX
 FWHM / FWTM 44.0° / 74.0°
 Efficiency 78 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

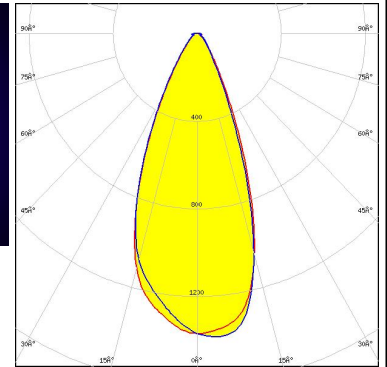


Light distribution files

OPTICAL RESULTS (MEASURED):



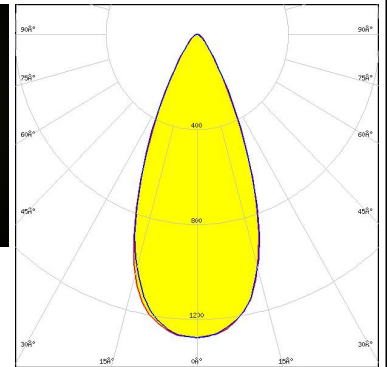
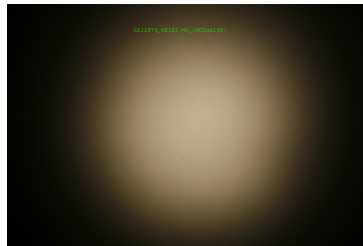
LED SST-10-B130
 FWHM / FWTM 43.0° / 72.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



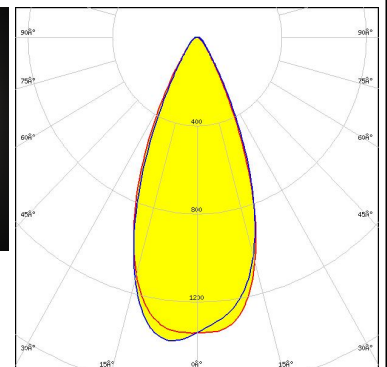
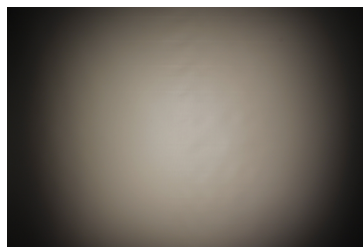
LED NCSxx19B
 FWHM / FWTM 45.0° / 74.0°
 Efficiency 78 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW219D
 FWHM / FWTM 45.0° / 72.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

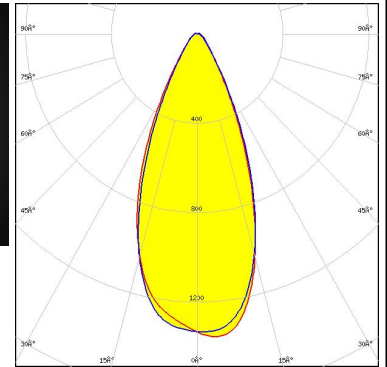
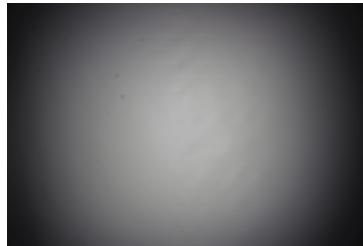


Light distribution files

OPTICAL RESULTS (MEASURED):



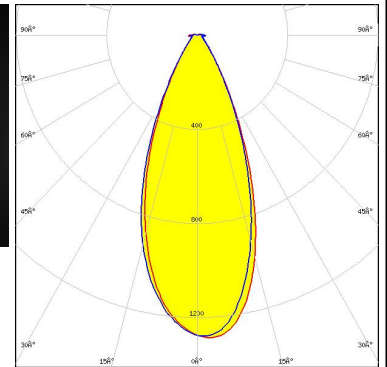
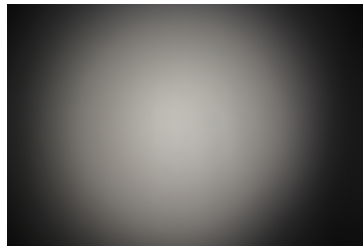
LED NVSW319B
 FWHM / FWTM 44.0° / 73.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



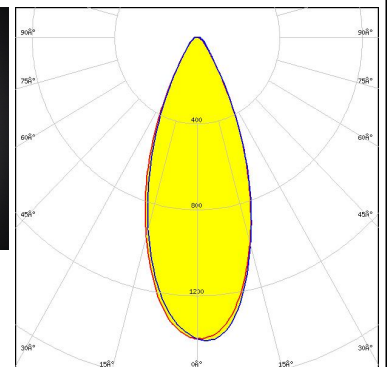
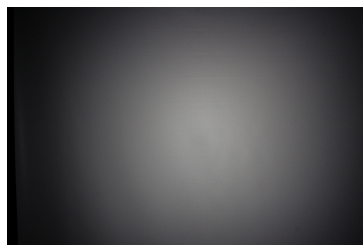
LED NVSW3x9A
 FWHM / FWTM 42.0° / 75.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW519A
 FWHM / FWTM 41.0° / 73.0°
 Efficiency 91 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

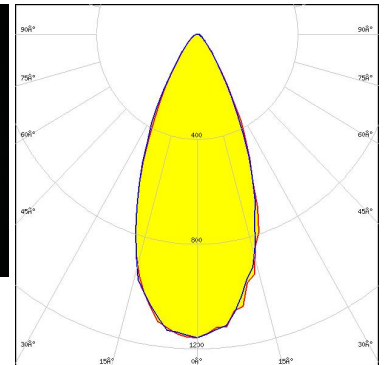
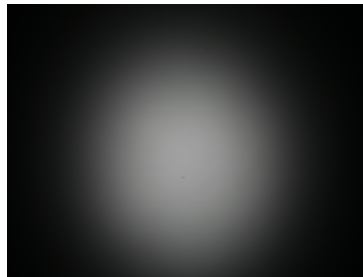


LED NVSxx19A
FWHM / FWTM 48.0° / 78.0°
Efficiency 79 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



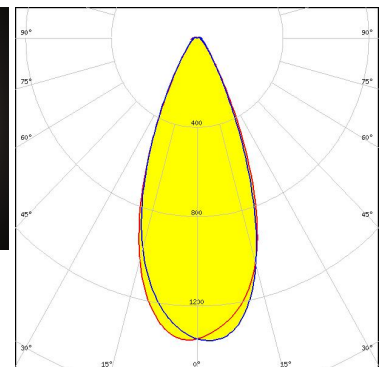
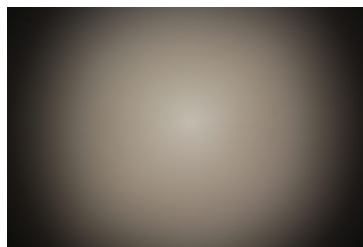
LED NVSxx19B/NVSxx19C
FWHM / FWTM 44.0° / 76.0°
Efficiency 77 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 44.0 + 43.0° / 73.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

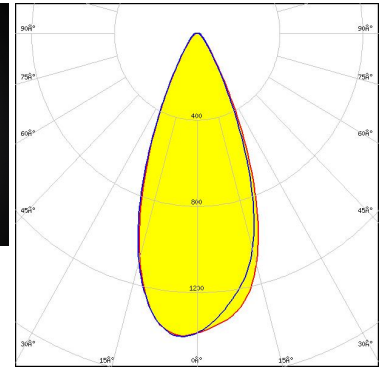
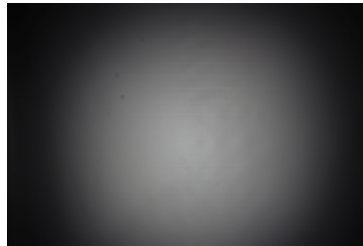


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 43.0° / 71.0°
Efficiency 91 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 40.0° / 67.0°
Efficiency 81 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OSRAM
Opto Semiconductors

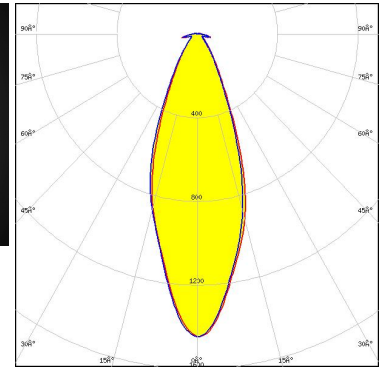
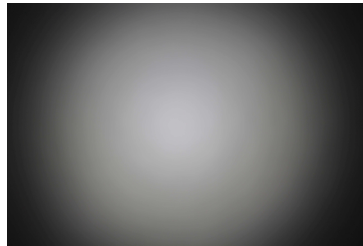
LED OSLON SSL 80
FWHM / FWTM 47.0° / 76.0°
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

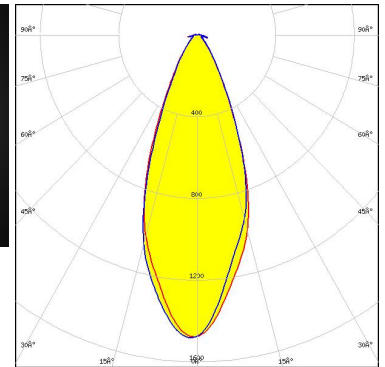
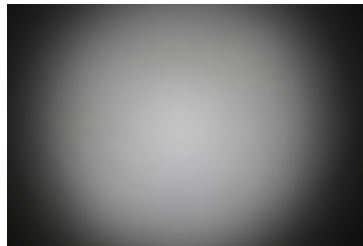
LED LH181A
 FWHM / FWTM 38.0° / 71.0°
 Efficiency 87 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

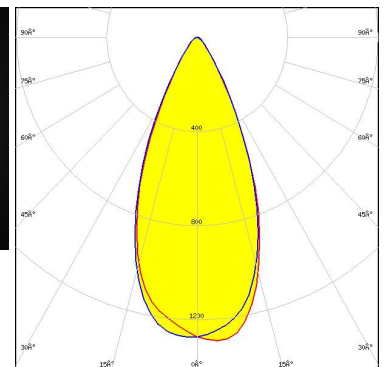
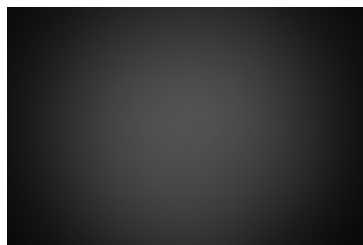
LED LH181B
 FWHM / FWTM 40.0° / 72.0°
 Efficiency 90 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files


SAMSUNG

LED LH351Z
 FWHM / FWTM 46.0° / 74.0°
 Efficiency 82 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files


OPTICAL RESULTS (MEASURED):



 SEOL SEMICONDUCTOR

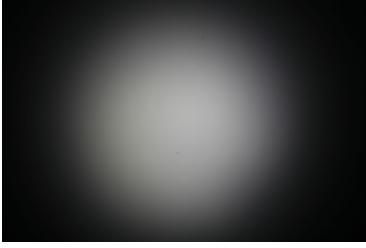
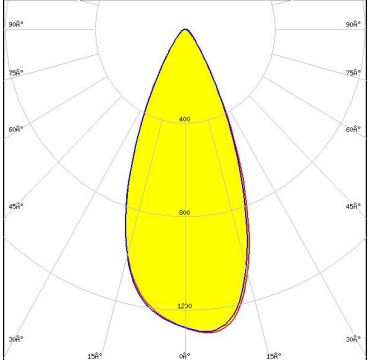
LED	Z5
FWHM / FWTM	44.0° / 73.0°
Efficiency	76 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files




 SEOL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	44.0° / 73.0°
Efficiency	83 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

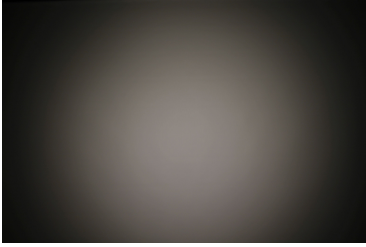
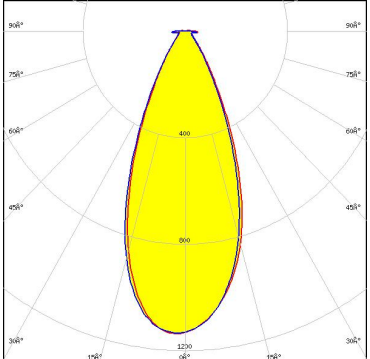



Light distribution files



 SEOL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	43.0° / 77.0°
Efficiency	81 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (MEASURED):

SHARP

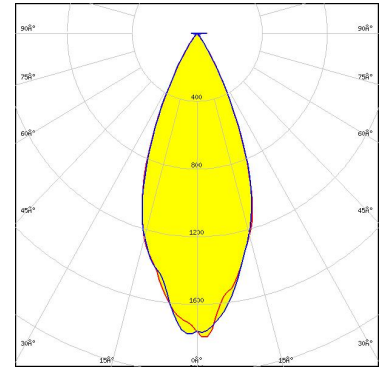
LED	Double Dome (GM2BB)
FWHM / FWTM	44.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

[Light distribution files](#)

OPTICAL RESULTS (SIMULATED):



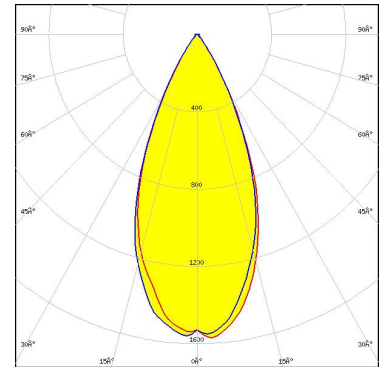
LED XB-D
FWHM / FWTM 42.0° / 64.0°
Efficiency 89 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



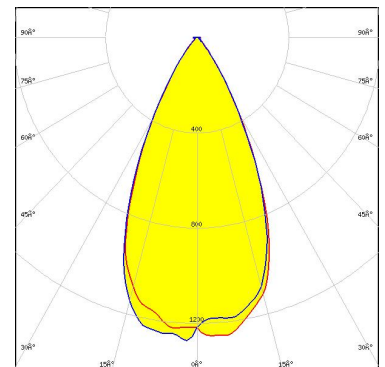
LED XP-G2 HE
FWHM / FWTM 45.0° / 70.0°
Efficiency 92 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-L2
FWHM / FWTM 50.0° / 76.0°
Efficiency 93 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

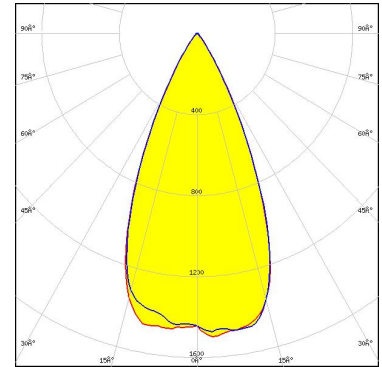


Light distribution files

OPTICAL RESULTS (SIMULATED):



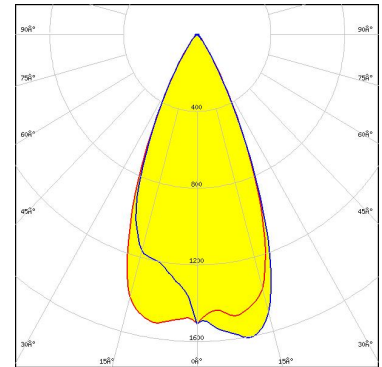
LED LUXEON 3030 HE Plus
 FWHM / FWTM 48.0° / 68.0°
 Efficiency 95 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



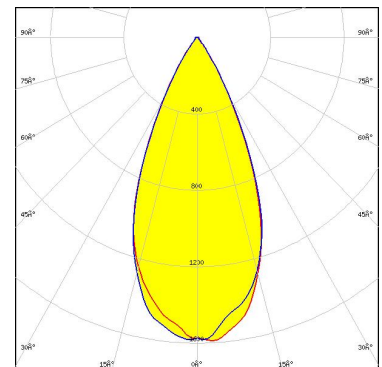
LED LUXEON 3030 HV
 FWHM / FWTM 46.0° / 67.0°
 Efficiency 93 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON HL2X
 FWHM / FWTM 47.0° / 68.0°
 Efficiency 95 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

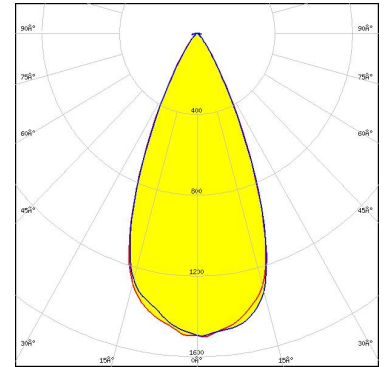


Light distribution files

OPTICAL RESULTS (SIMULATED):



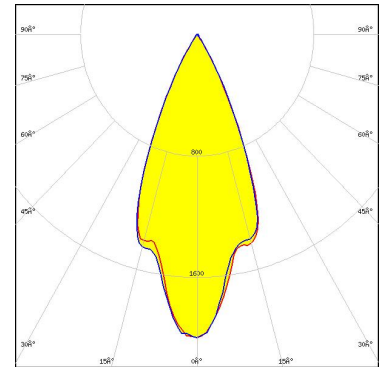
LED LUXEON HL2Z
FWHM / FWTM 46.0° / 70.0°
Efficiency 94 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



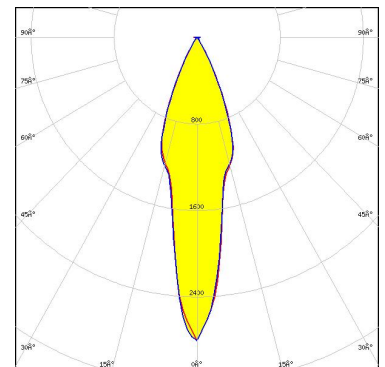
LED LUXEON SunPlus 20 Line (120 deg)
FWHM / FWTM 44.0° / 62.0°
Efficiency 95 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 21.0° / 58.0°
Efficiency 88 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

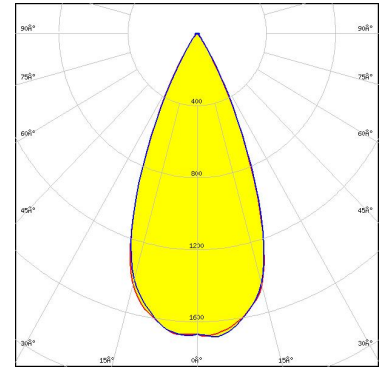


Light distribution files

OPTICAL RESULTS (SIMULATED):



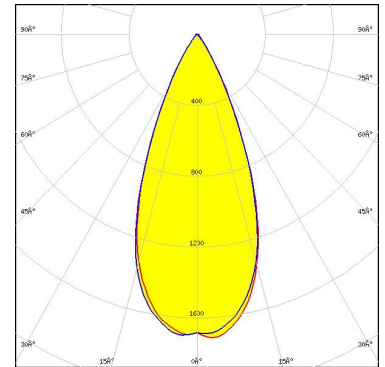
LED LUXEON Z
FWHM / FWTM 46.0° / 64.0°
Efficiency 95 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



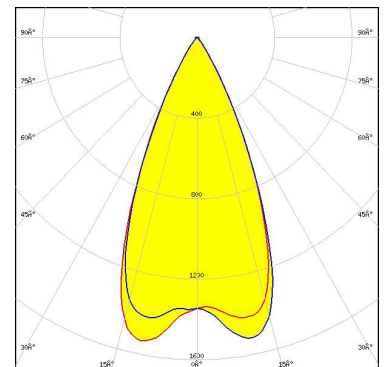
LED LUXEON Z ES
FWHM / FWTM 43.0° / 67.0°
Efficiency 94 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxx19A
FWHM / FWTM 47.0° / 66.0°
Efficiency 92 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

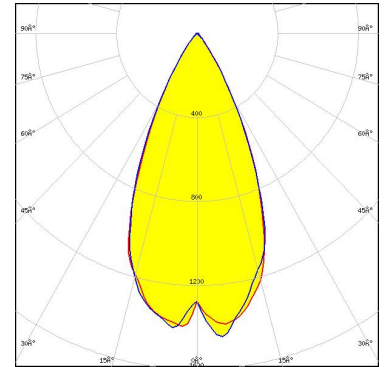


Light distribution files

OPTICAL RESULTS (SIMULATED):



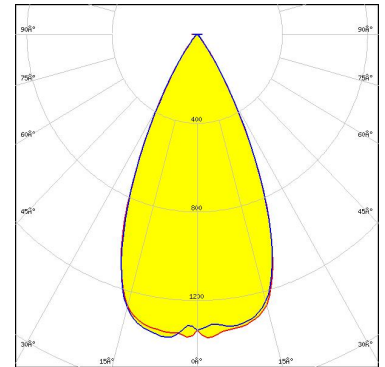
LED NV4WB35AM
FWHM / FWTM 48.0° / 72.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



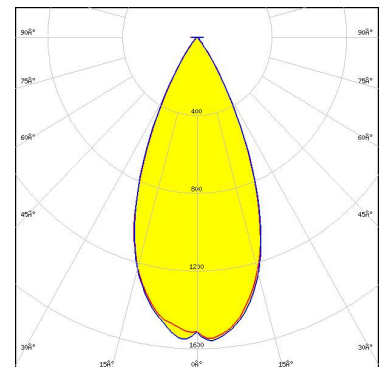
LED NVSW219D
FWHM / FWTM 50.0° / 70.0°
Efficiency 93 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 46.0° / 70.0°
Efficiency 93 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

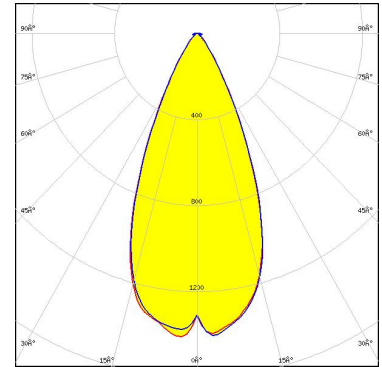


Light distribution files

OPTICAL RESULTS (SIMULATED):



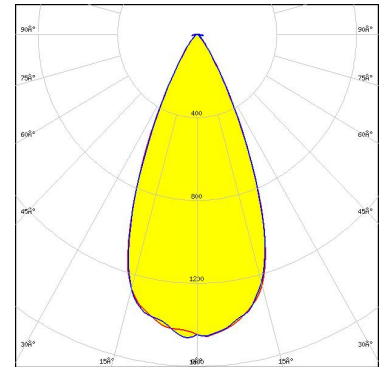
LED NVSxE21A
FWHM / FWTM 46.0° / 72.0°
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



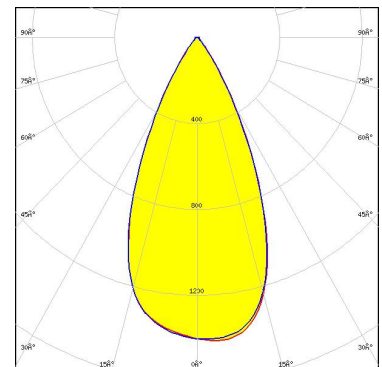
LED NVSxE21A
FWHM / FWTM 46.0° / 70.0°
Efficiency 93 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 48.0° / 72.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

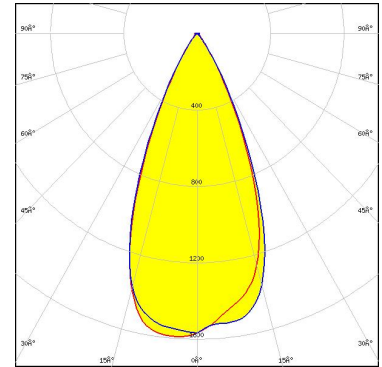


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

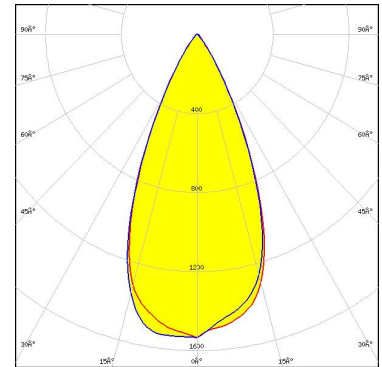
LED OSCONIQ P 3030
FWHM / FWTM 46.0° / 68.0°
Efficiency 93 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

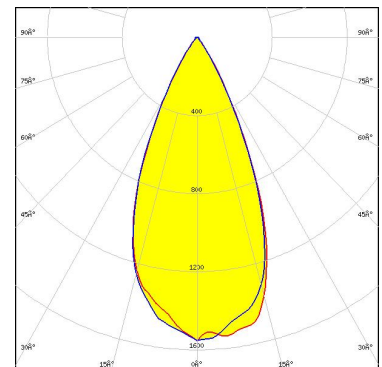
LED OSCONIQ P 3737 Flat
FWHM / FWTM 47.0° / 70.0°
Efficiency 96 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 47.0° / 69.0°
Efficiency 94 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

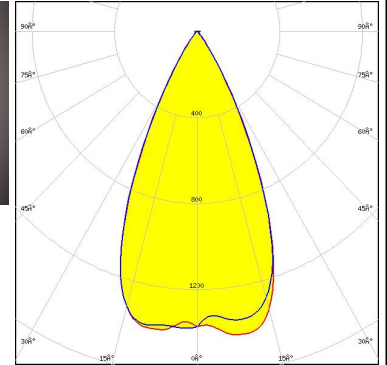


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

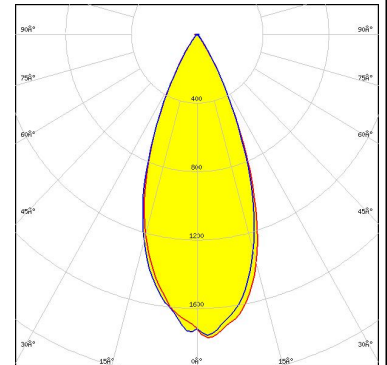
LED OSLON Square EC
 FWHM / FWTM 48.0° / 68.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

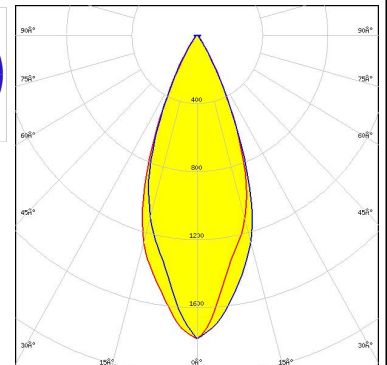
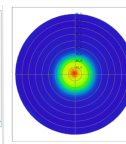
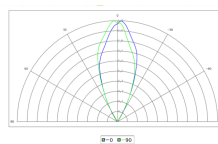
LED OSLON SSL 80
 FWHM / FWTM 42.0° / 66.0°
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4170S
 FWHM / FWTM 41.0° / 64.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:

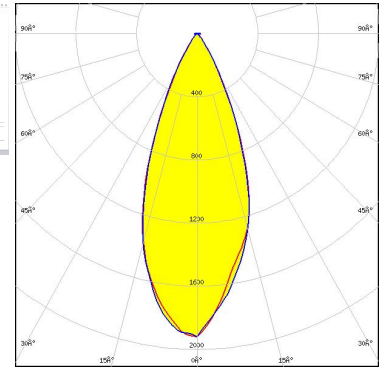
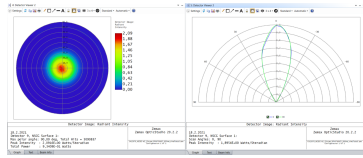


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

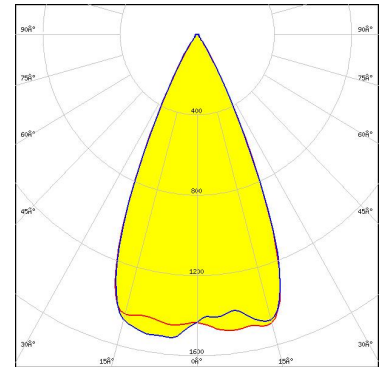
LED SFH 4716AS
FWHM / FWTM 41.0° / 64.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

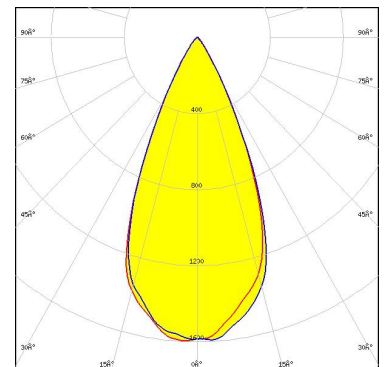
LED LH351B
FWHM / FWTM 48.0° / 65.0°
Efficiency 97 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files


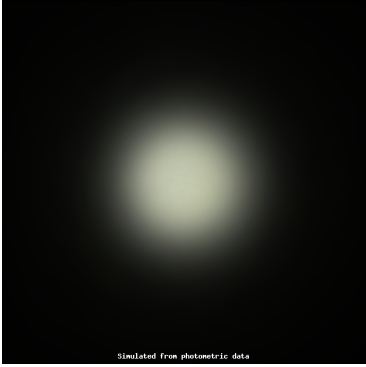
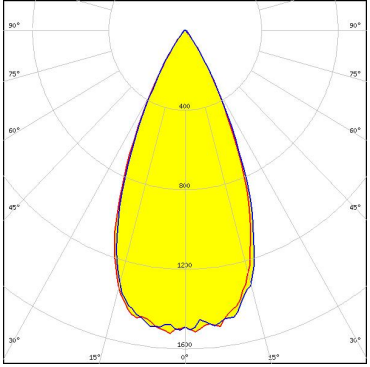
SEMI
SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 46.0° / 67.0°
Efficiency 96 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:


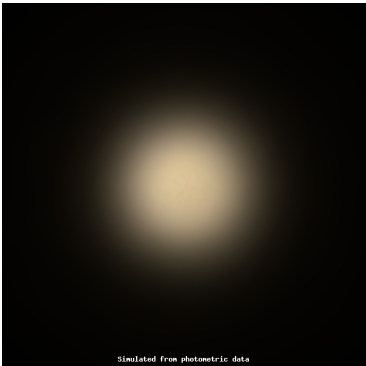
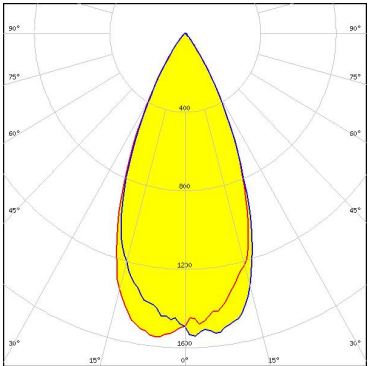


Light distribution files

OPTICAL RESULTS (SIMULATED):

 SEOUL SEMICONDUCTOR		 <p style="text-align: center; font-size: small;">Simulated from photometric data</p>	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M4-E1 47.0 + 48.0° / 70.0° 95 % 1.6 cd/lm 1 White		

Light distribution files

 SEOUL SEMICONDUCTOR		 <p style="text-align: center; font-size: small;">Simulated from photometric data</p>	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Z5M4-E2 47.0 + 46.0° / 70.0° 96 % 1.6 cd/lm 1 White		

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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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