

## HEIDI-W2

~45° wide beam



### SPECIFICATION:

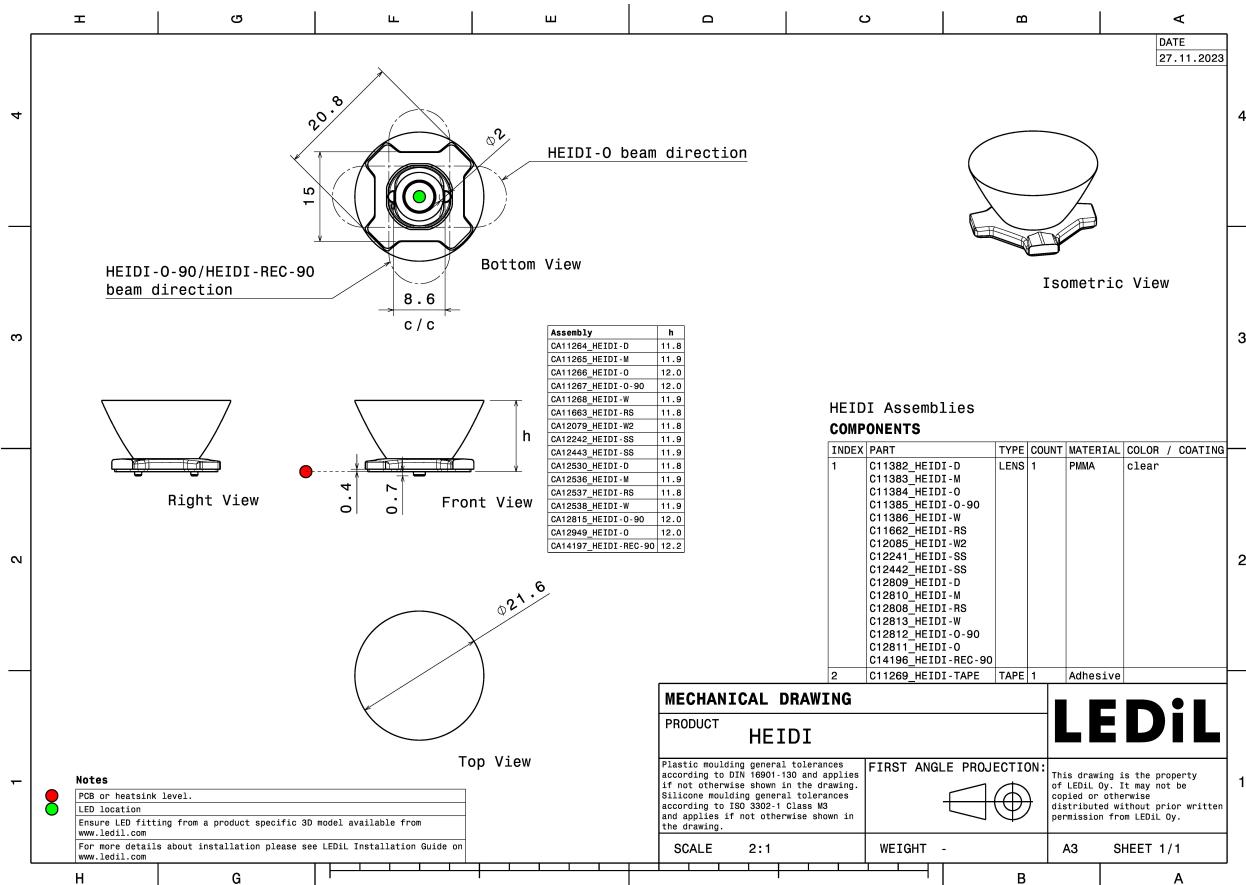
Dimensions	Ø 21.6
Height	12 mm
Fastening	tape, pin
ROHS compliant	yes 

### 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 » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204



See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):

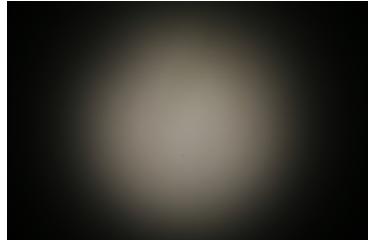


LED XB-D  
FWHM / FWTM 46.0°  
Efficiency 76 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



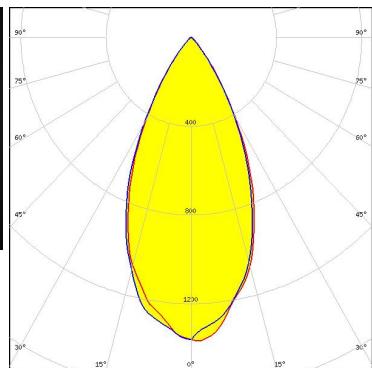
LED XB-H  
FWHM / FWTM 45.0° / 76.0°  
Efficiency 80 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

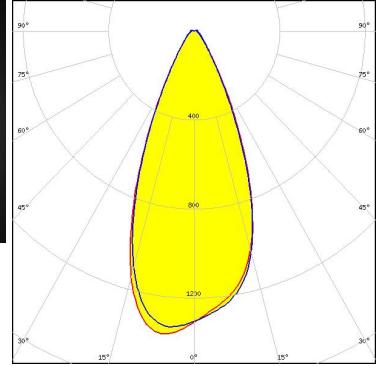


Light distribution files

## 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

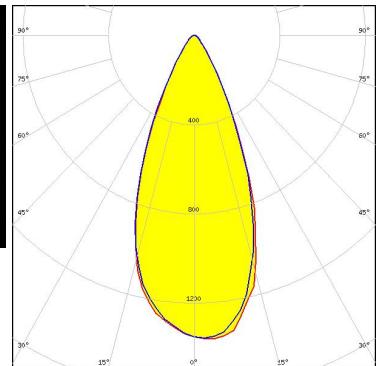
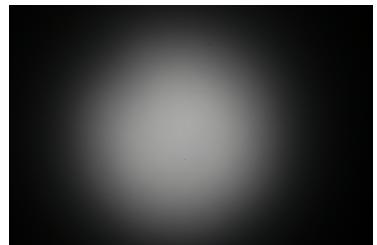


LED XP-E  
 FWHM / FWTM 44.0° / 70.0°  
 Efficiency 81 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

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):

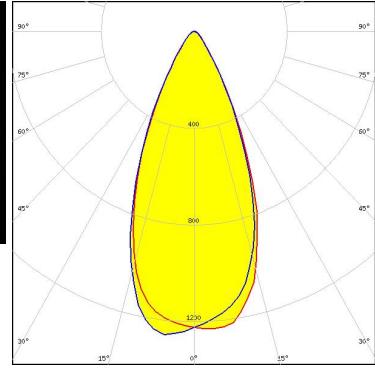


LED XP-G  
 FWHM / FWTM 44.0° / 72.0°  
 Efficiency 81 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

[Light distribution files](#)



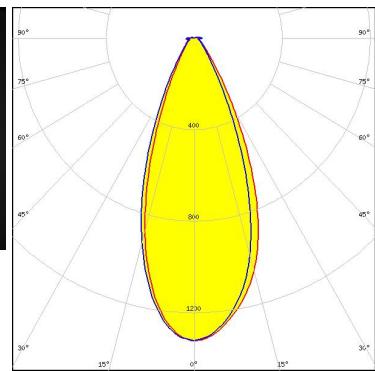
LED XP-G2  
 FWHM / FWTM 46.0° / 74.0°  
 Efficiency 80 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



[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:

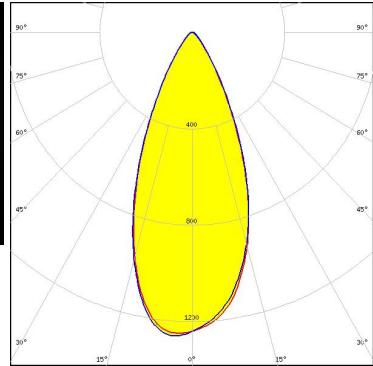
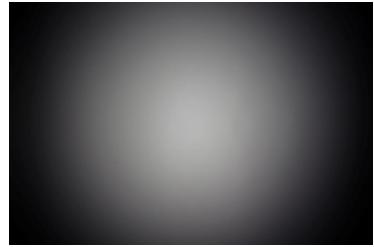


[Light distribution files](#)

## OPTICAL RESULTS (MEASURED):



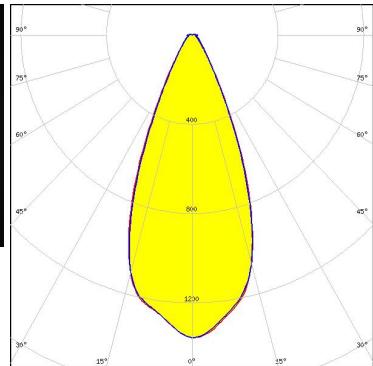
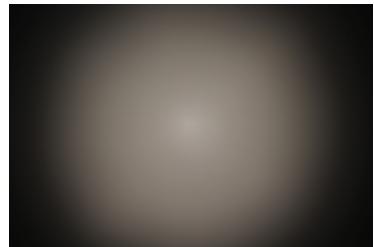
LED XP-L HD  
FWHM / FWTM 44.0° / 74.0°  
Efficiency 79 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



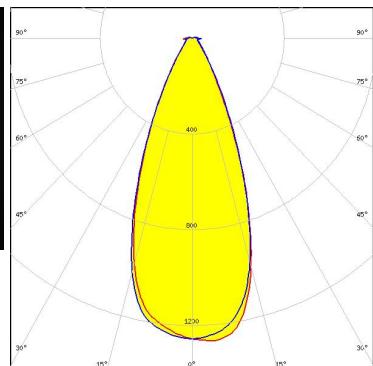
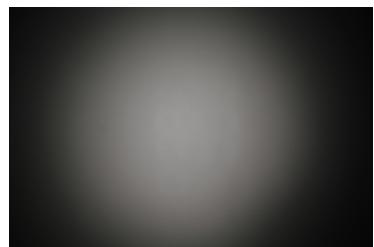
LED XQ-E HD  
FWHM / FWTM 44.0° / 70.0°  
Efficiency 91 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

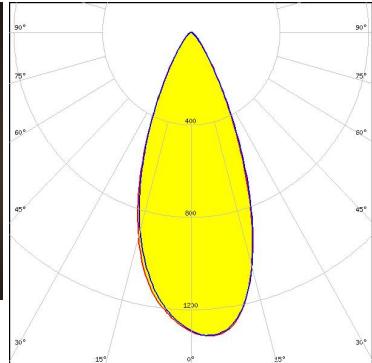
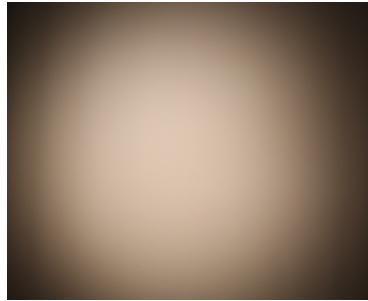


Light distribution files

## OPTICAL RESULTS (MEASURED):



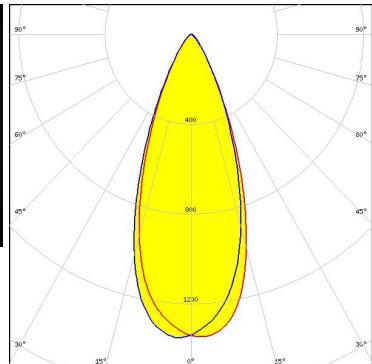
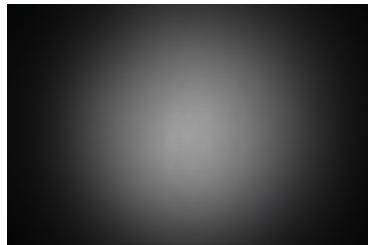
LED XT-E  
FWHM / FWTM 42.0° / 71.0°  
Efficiency 75 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



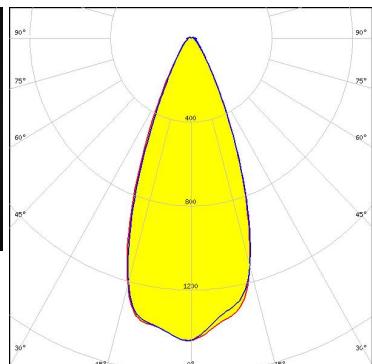
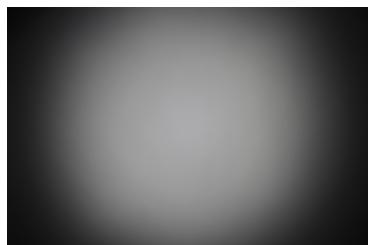
LED LUXEON C  
FWHM / FWTM 40.0° / 69.0°  
Efficiency 71 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

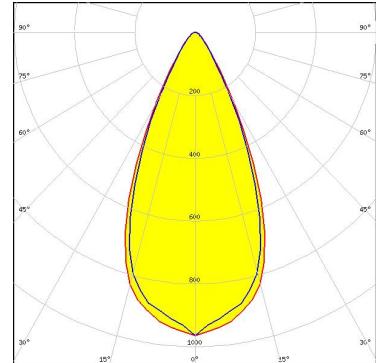


Light distribution files

## OPTICAL RESULTS (MEASURED):



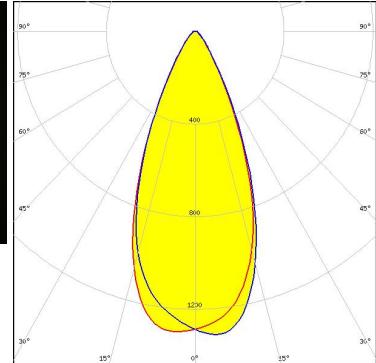
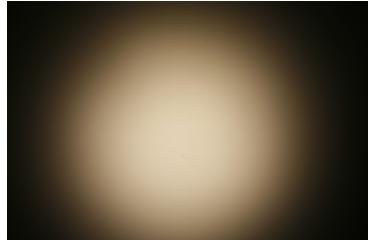
LED LUXEON Rebel  
 FWHM / FWTM 49.0° / 76.0°  
 Efficiency 85 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



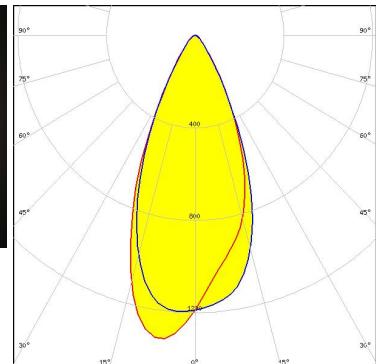
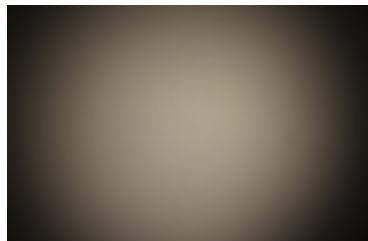
LED LUXEON T  
 FWHM / FWTM 44.0° / 72.0°  
 Efficiency 83 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

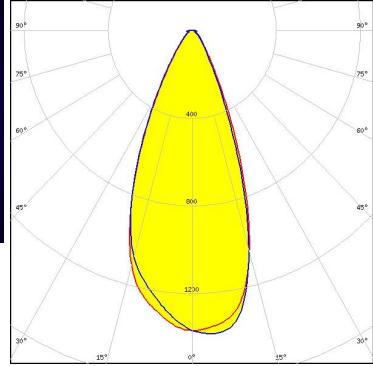


Light distribution files

## OPTICAL RESULTS (MEASURED):



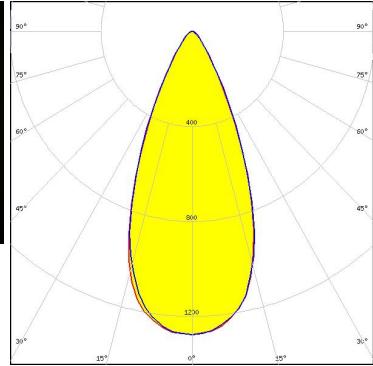
LED SST-10-B130  
 FWHM / FWTM 43.0° / 72.0°  
 Efficiency 90 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type Blue  
 Required components:



Light distribution files



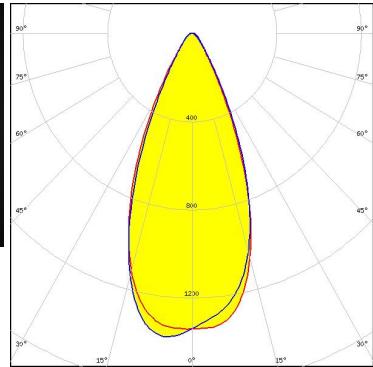
LED NCSxx19B  
 FWHM / FWTM 45.0° / 74.0°  
 Efficiency 78 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

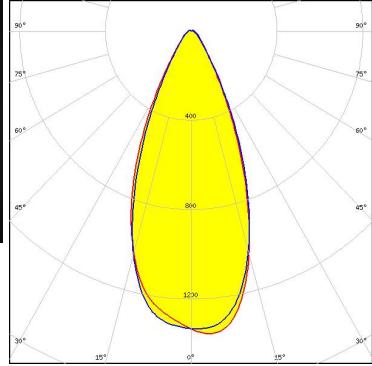
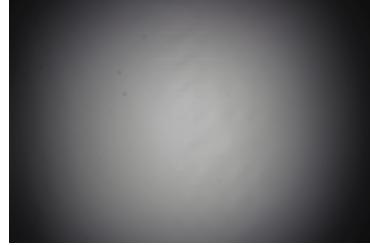


Light distribution files

## OPTICAL RESULTS (MEASURED):



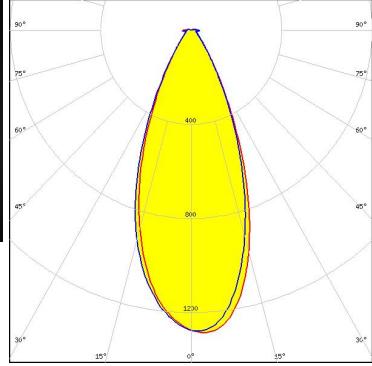
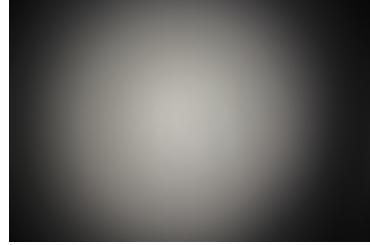
LED NVSW319B  
 FWHM / FWTM 44.0° / 73.0°  
 Efficiency 91 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



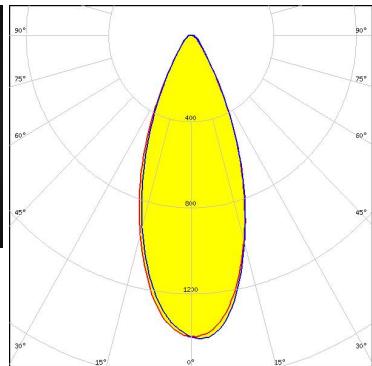
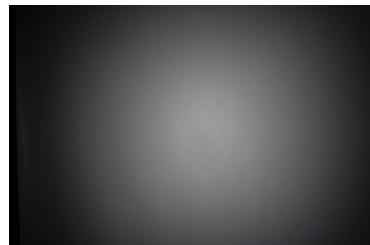
LED NVSW3x9A  
 FWHM / FWTM 42.0° / 75.0°  
 Efficiency 88 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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):

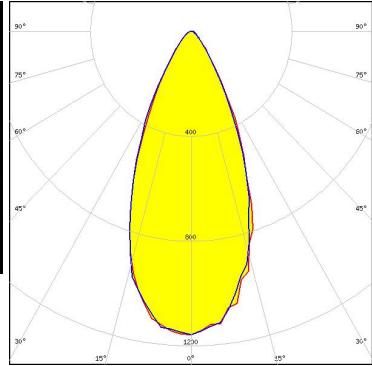


LED NVSxx19A  
FWHM / FWTM 48.0° / 78.0°  
Efficiency 79 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



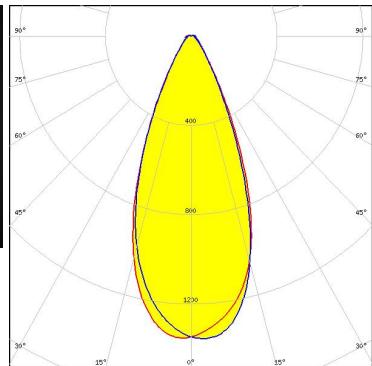
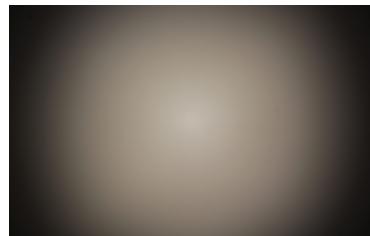
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 44.0° / 76.0°  
Efficiency 77 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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:

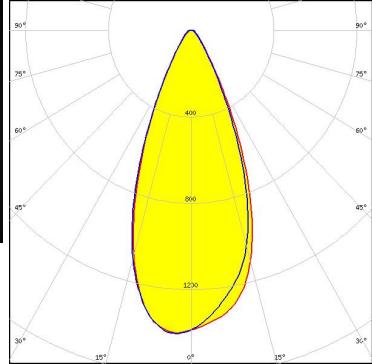


Light distribution files

## 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

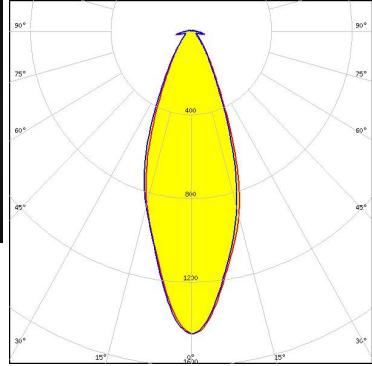
LED OSLON SSL 80  
FWHM / FWTM 47.0° / 76.0°  
Efficiency 80 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

## OPTICAL RESULTS (MEASURED):

### SAMSUNG

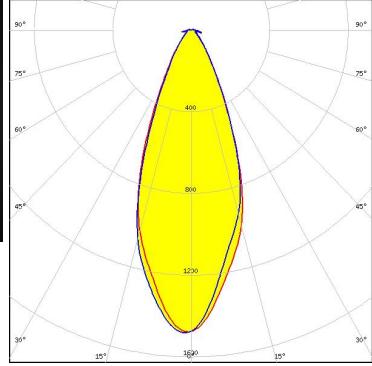
LED LH181A  
 FWHM / FWTM 38.0° / 71.0°  
 Efficiency 87 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

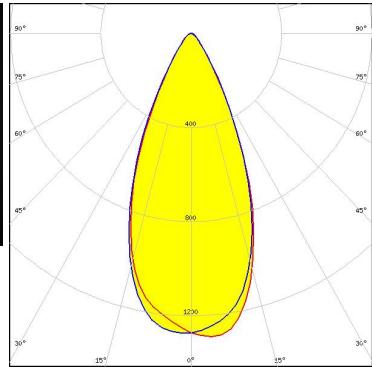
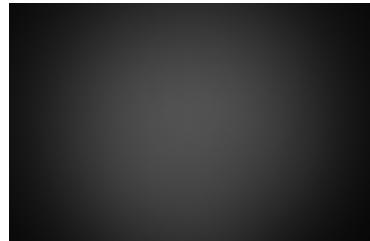
LED LH181B  
 FWHM / FWTM 40.0° / 72.0°  
 Efficiency 90 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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):

 SEoul 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	

 SEoul 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	

 SEoul 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

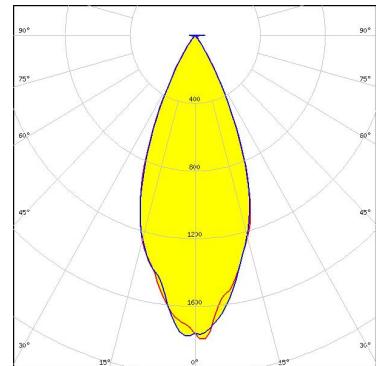
Required components:

Light distribution files

## OPTICAL RESULTS (SIMULATED):



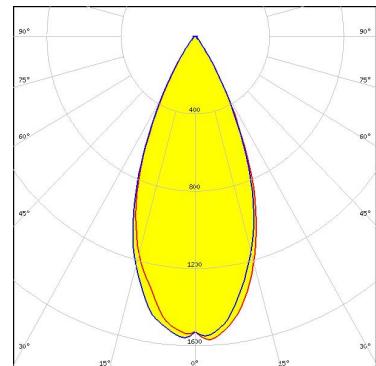
LED XB-D  
 FWHM / FWTM 42.0° / 64.0°  
 Efficiency 89 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



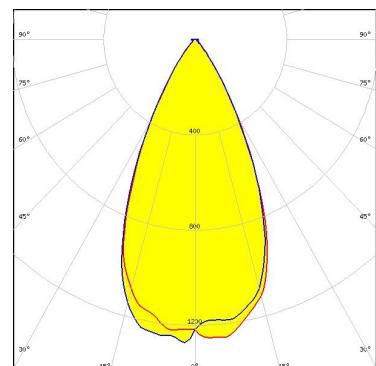
LED XP-G2 HE  
 FWHM / FWTM 45.0° / 70.0°  
 Efficiency 92 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

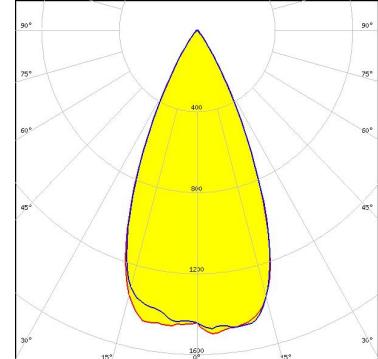


Light distribution files

## OPTICAL RESULTS (SIMULATED):



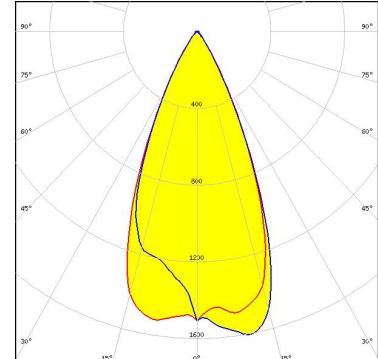
LED LUXEON 3030 HE Plus  
 FWHM / FWTM 48.0° / 68.0°  
 Efficiency 95 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



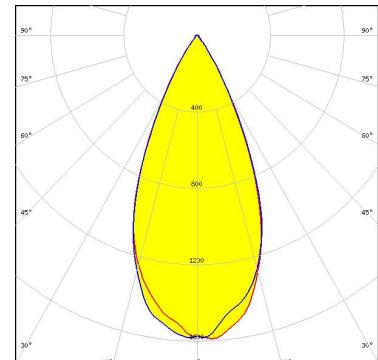
LED LUXEON 3030 HV  
 FWHM / FWTM 46.0° / 67.0°  
 Efficiency 93 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

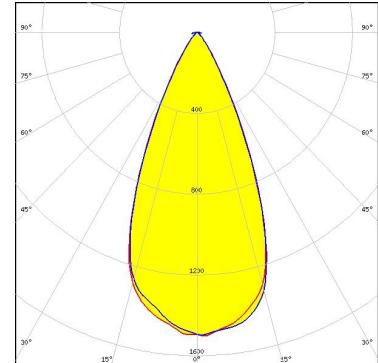


Light distribution files

## OPTICAL RESULTS (SIMULATED):



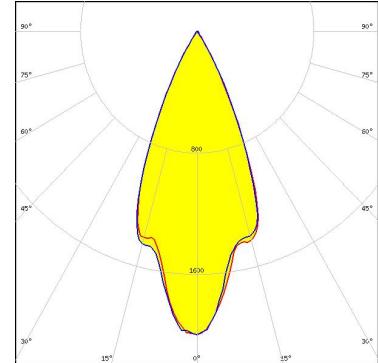
LED LUXEON HL2Z  
 FWHM / FWTM 46.0° / 70.0°  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



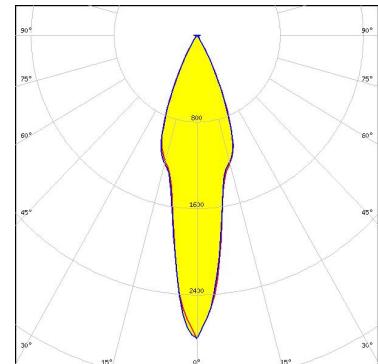
LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM / FWTM 44.0° / 62.0°  
 Efficiency 95 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

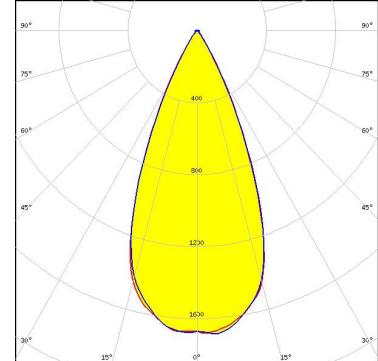


Light distribution files

## OPTICAL RESULTS (SIMULATED):



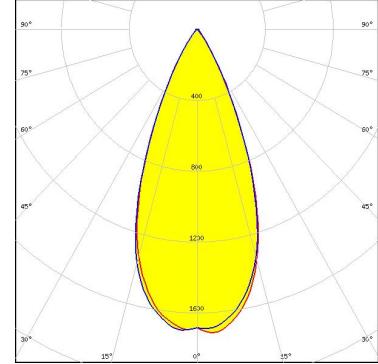
LED	LUXEON Z
FWHM / FWTM	46.0° / 64.0°
Efficiency	95 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



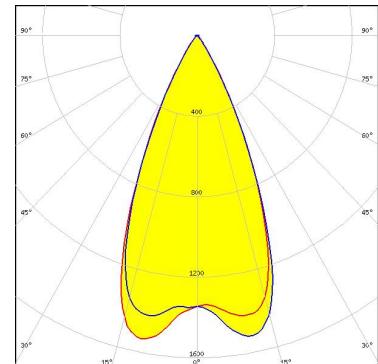
LED	LUXEON Z ES
FWHM / FWTM	43.0° / 67.0°
Efficiency	94 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



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:	

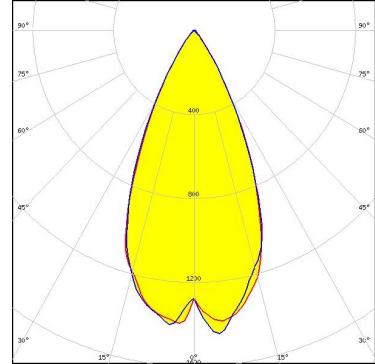


Light distribution files

## OPTICAL RESULTS (SIMULATED):



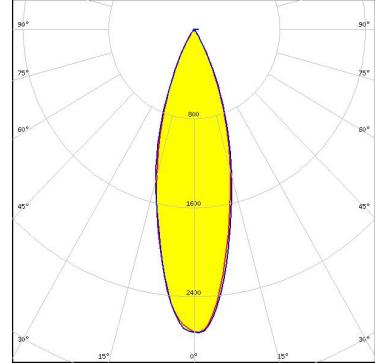
LED NV4WB35AM  
 FWHM / FWTM 48.0° / 72.0°  
 Efficiency 93 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



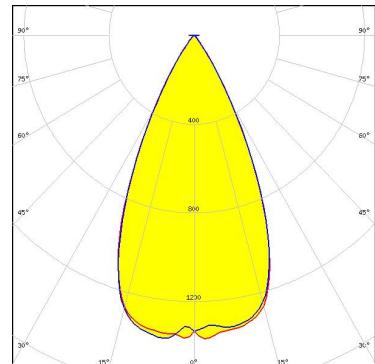
LED NVSW219C-V2  
 FWHM / FWTM 30.0° / 56.0°  
 Efficiency 88 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



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:

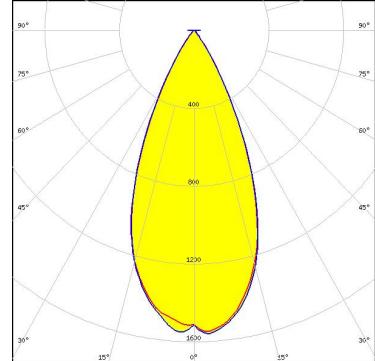


Light distribution files

## OPTICAL RESULTS (SIMULATED):



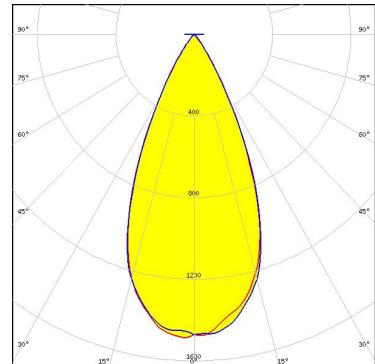
LED NVSW219F  
 FWHM / FWTM 46.0° / 70.0°  
 Efficiency 93 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



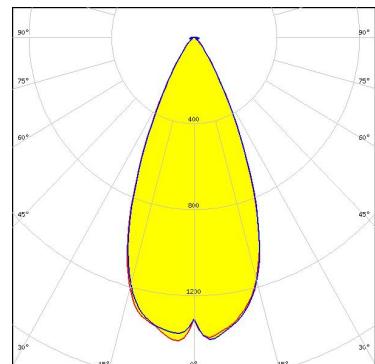
LED NVSW219GL  
 FWHM / FWTM 48.0° / 70.0°  
 Efficiency 91 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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:

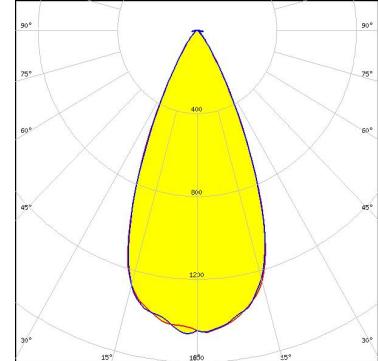


Light distribution files

## OPTICAL RESULTS (SIMULATED):



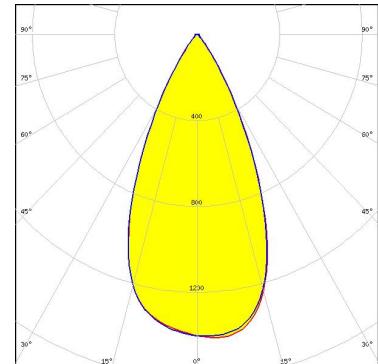
LED NVSxE21A  
 FWHM / FWTM 46.0° / 70.0°  
 Efficiency 93 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



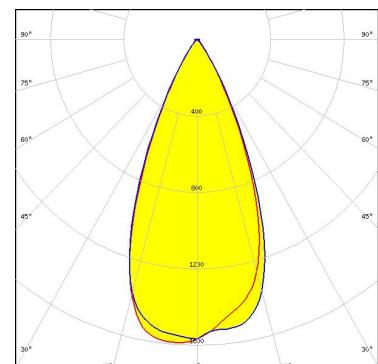
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 48.0° / 72.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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:

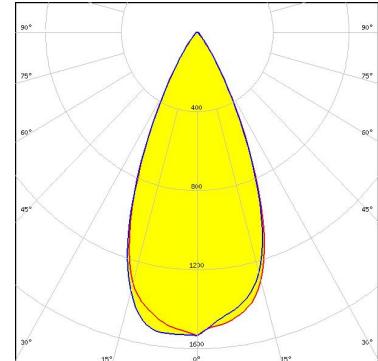


Light distribution files

## OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

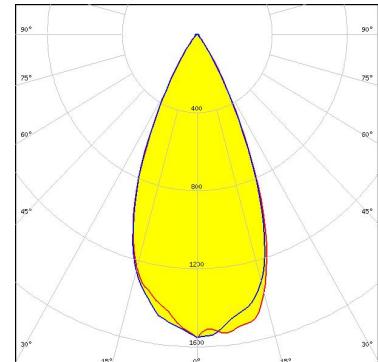
LED OSCONIQ P 3737 Flat  
FWHM / FWTM 47.0° / 70.0°  
Efficiency 96 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

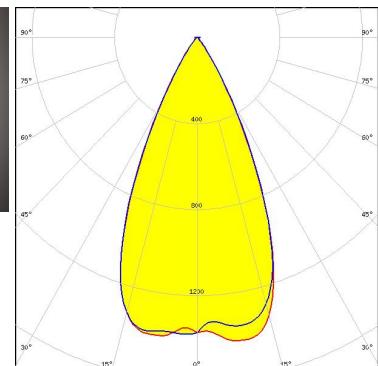
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 47.0° / 69.0°  
Efficiency 94 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**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:

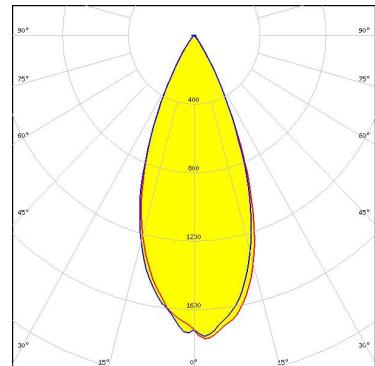


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

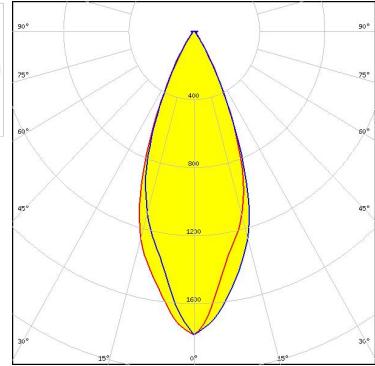
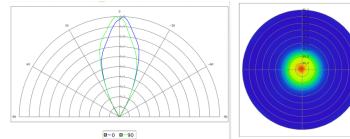
LED OSLON SSL 80  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 90 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

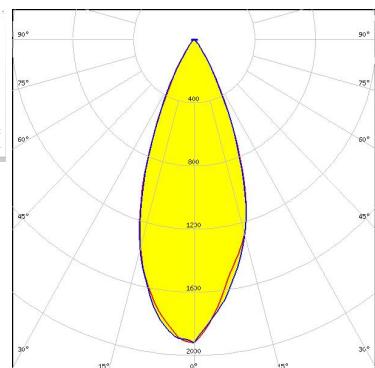
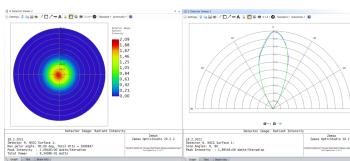
LED SFH 4170S  
FWHM / FWTM 41.0° / 64.0°  
Efficiency 87 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

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

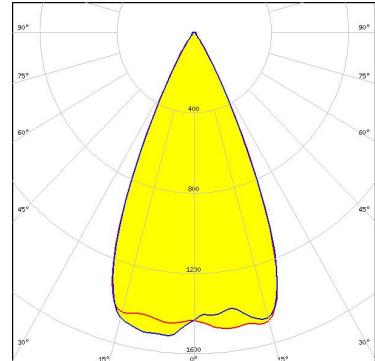


Light distribution files

## OPTICAL RESULTS (SIMULATED):

### SAMSUNG

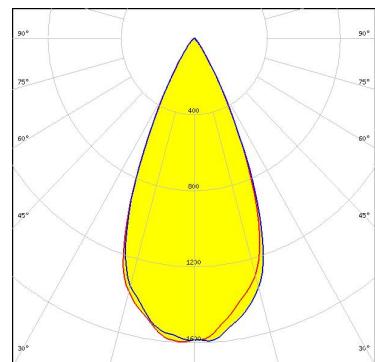
LED LH351B  
 FWHM / FWTM 48.0° / 65.0°  
 Efficiency 97 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SEOUL SEMICONDUCTOR

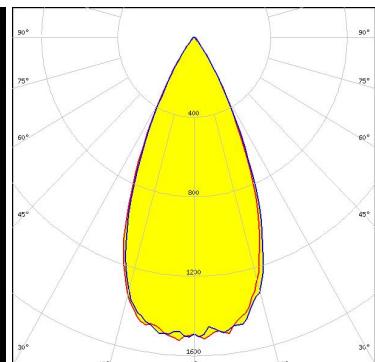
LED Z5M4  
 FWHM / FWTM 46.0° / 67.0°  
 Efficiency 96 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

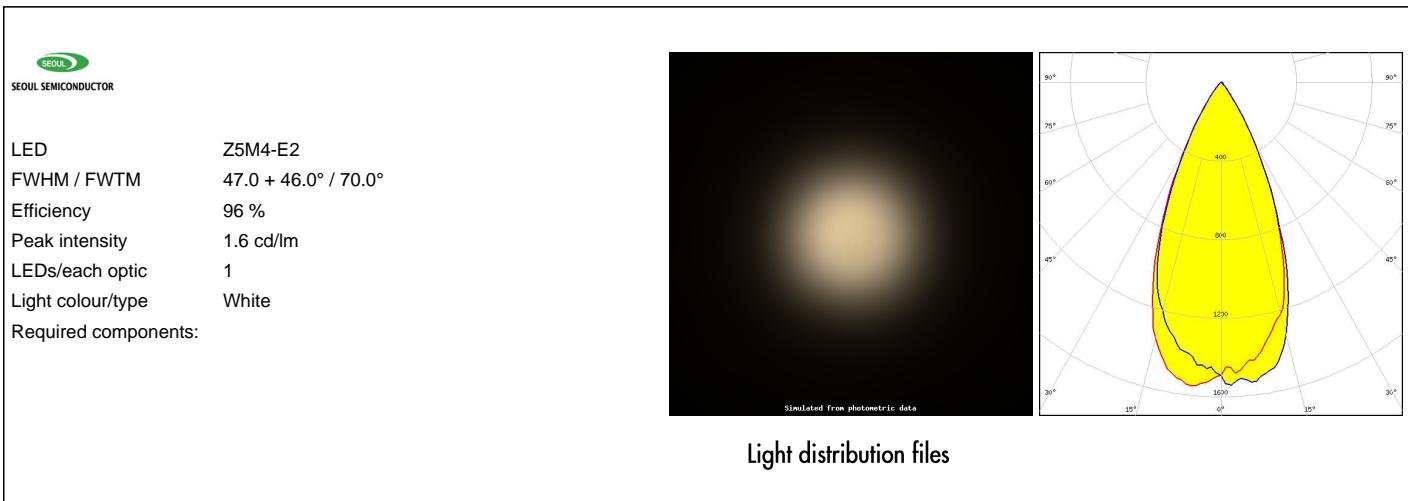
### SEOUL SEMICONDUCTOR

LED Z5M4-E1  
 FWHM / FWTM 47.0 + 48.0° / 70.0°  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

## OPTICAL RESULTS (SIMULATED):



## 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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