

## SURI-RS

~6° real spot beam. Assembly with holder and installation tape.



### SPECIFICATION:

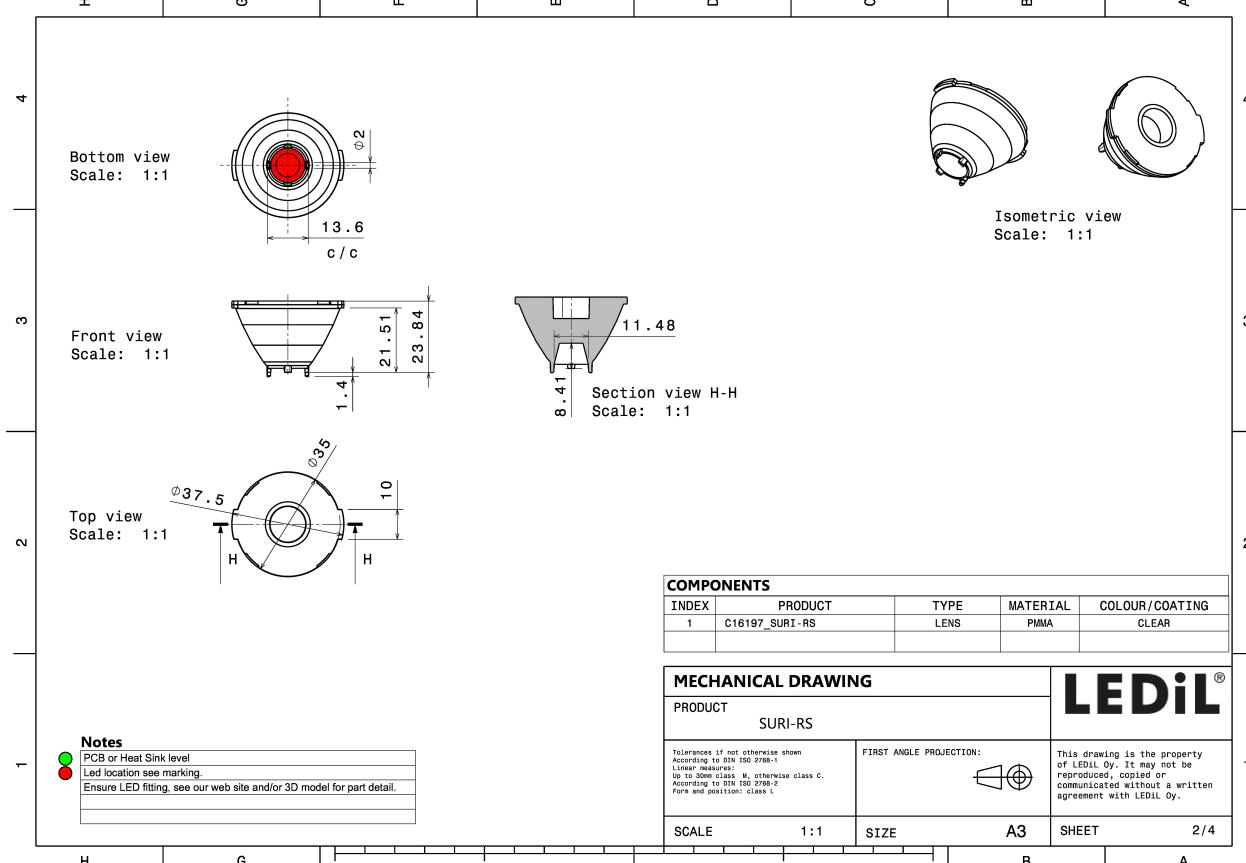
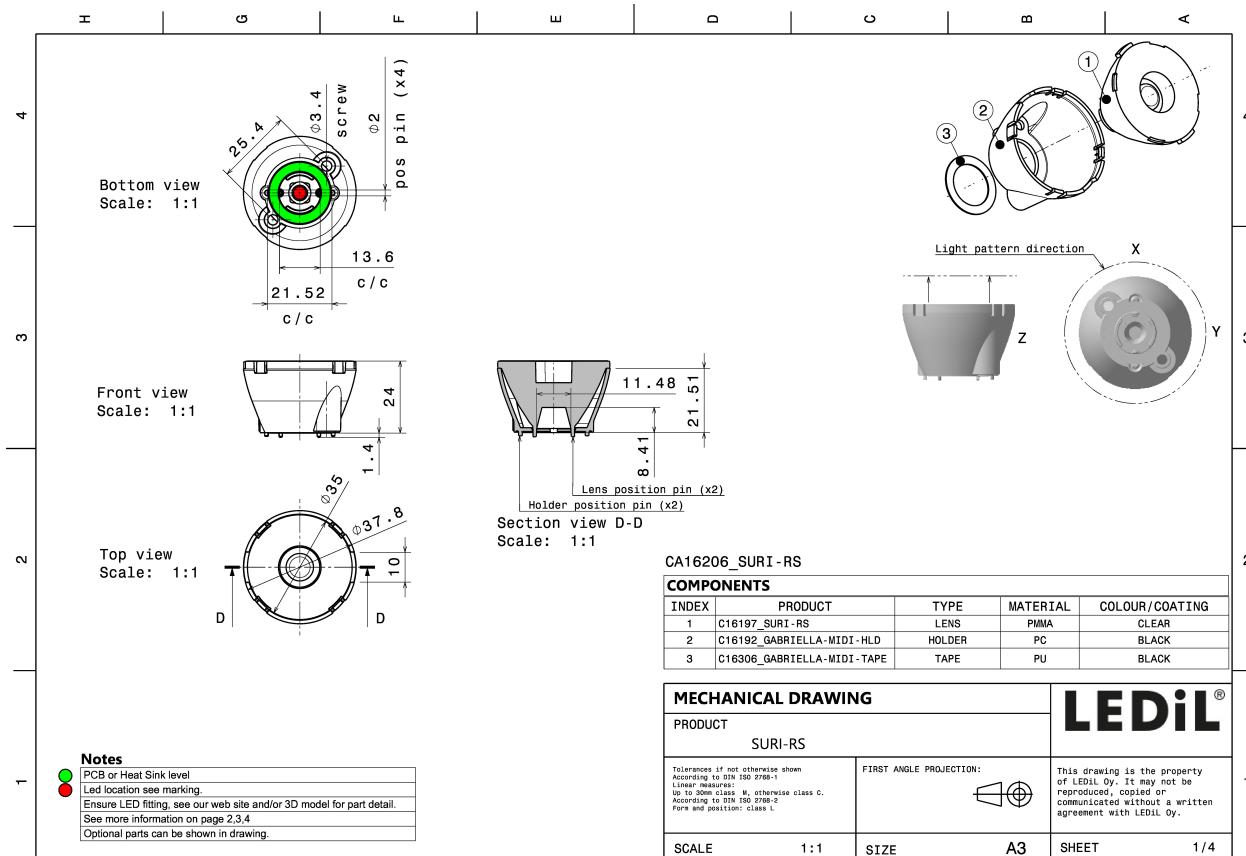
Dimensions	Ø 37.8
Height	24 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

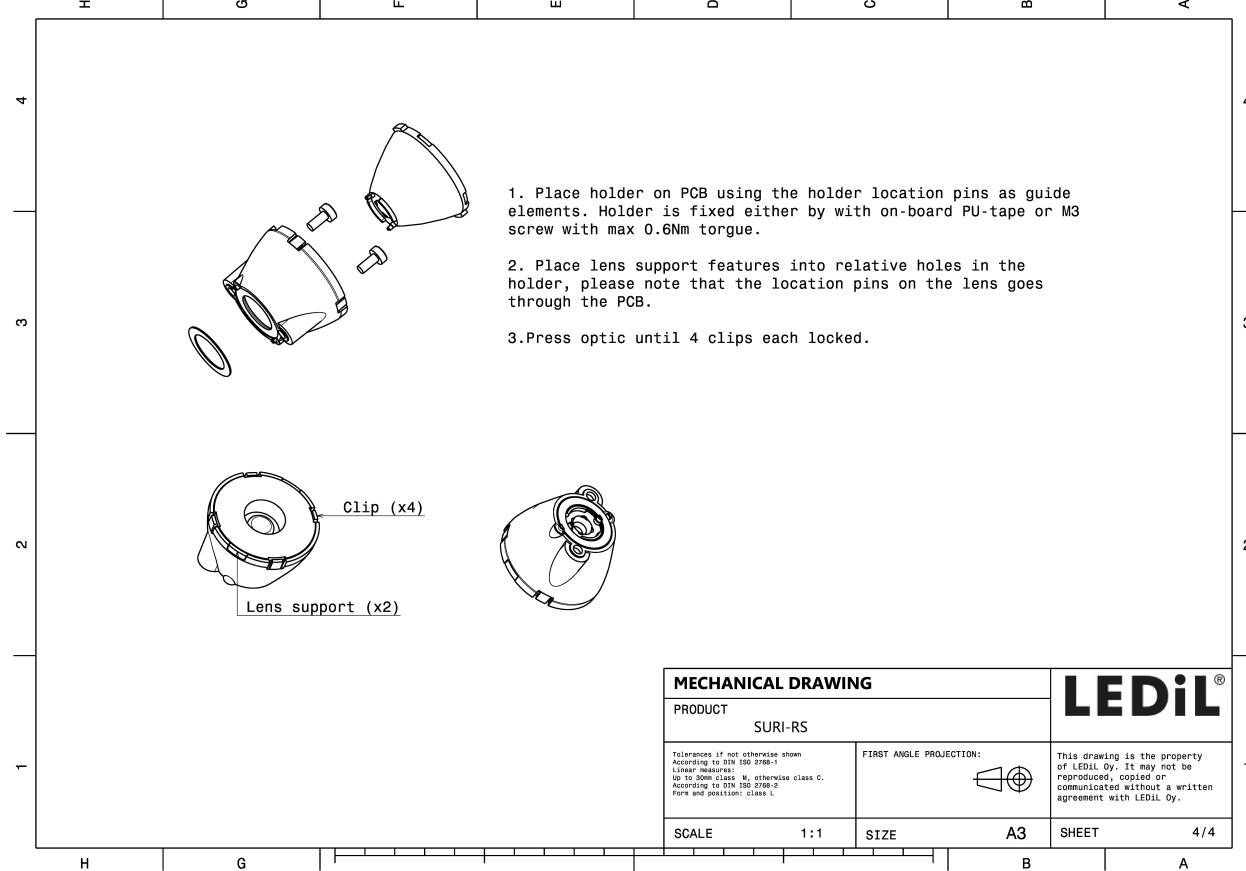
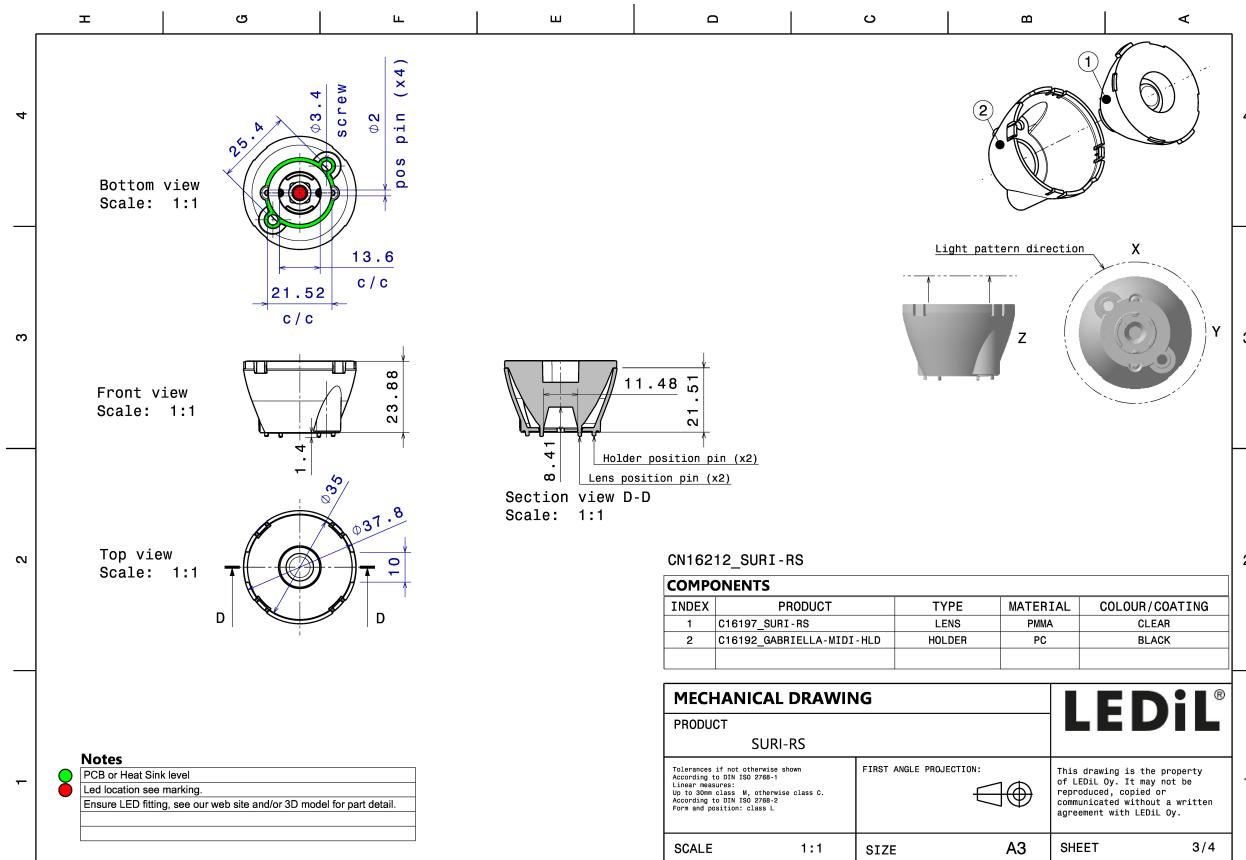
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
GABRIELLA-MIDI-HLD	Holder	PC	black		
GABRIELLA-MIDI-HLD	Tape	Acryl tape	black		
SURI-RS	Single lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA16206_SURI-RS	500	100	50	11.7
» Box size: 476 x 273 x 292 mm				



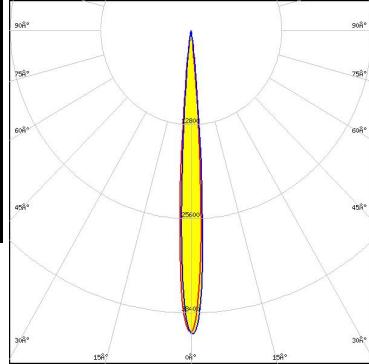


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):



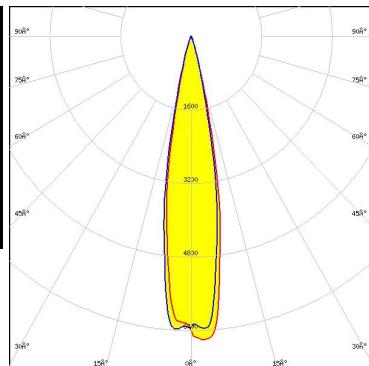
LED XHP35 HI  
FWHM / FWTM 8.0° / 13.0°  
Efficiency 91 %  
Peak intensity 41 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



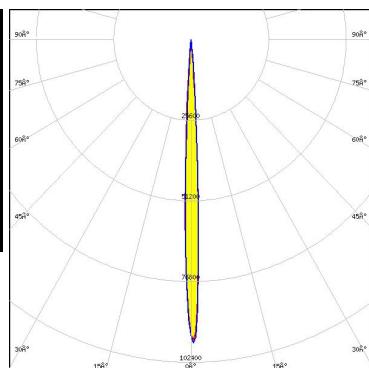
LED XHP70.2  
FWHM / FWTM 20.0° / 32.0°  
Efficiency 87 %  
Peak intensity 6.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-E2  
FWHM / FWTM 5.0° / 9.0°  
Efficiency 93 %  
Peak intensity 101 cd/lm  
LEDs/each optic 1  
Light colour/type Green  
Required components:

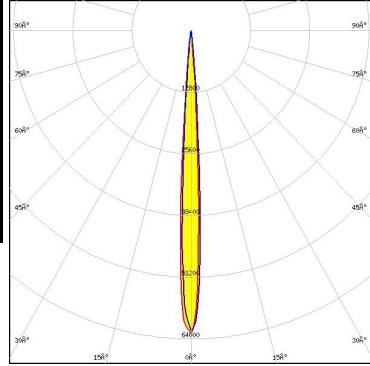


Light distribution files

## OPTICAL RESULTS (MEASURED):



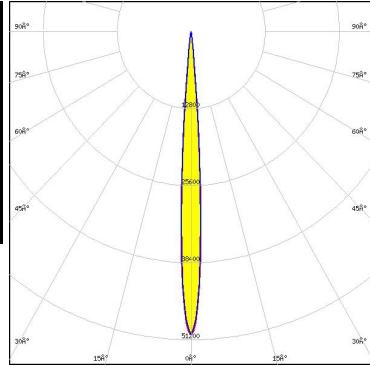
LED XP-G2  
FWHM / FWTM 7.0° / 11.0°  
Efficiency 94 %  
Peak intensity 63.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



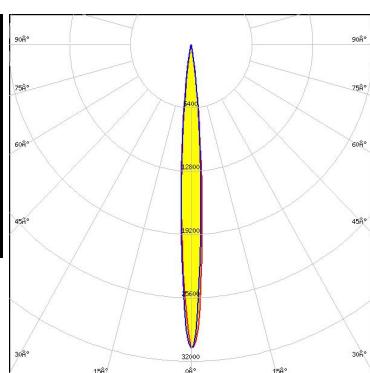
LED XP-G4  
FWHM / FWTM 7.0° / 13.0°  
Efficiency 94 %  
Peak intensity 50.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L HI  
FWHM / FWTM 8.0° / 17.0°  
Efficiency 90 %  
Peak intensity 30.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



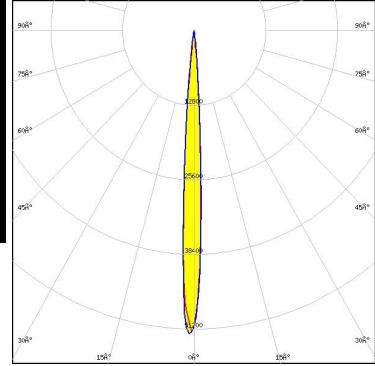
Protective plate, glass

Light distribution files

## OPTICAL RESULTS (MEASURED):



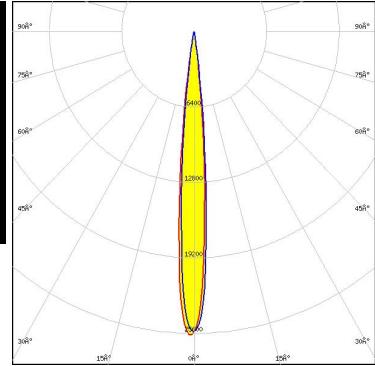
LED XP-L HI  
FWHM / FWTM 7.0° / 12.0°  
Efficiency 91 %  
Peak intensity 52.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



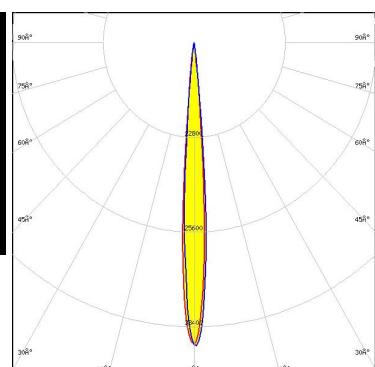
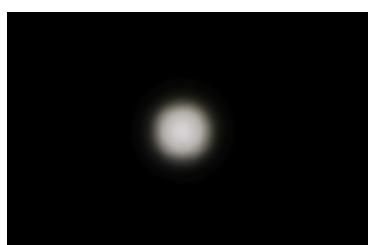
LED LUXEON V  
FWHM / FWTM 10.0° / 17.0°  
Efficiency 88 %  
Peak intensity 26 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSW219F-V2  
FWHM / FWTM 8.0° / 13.0°  
Efficiency 91 %  
Peak intensity 41 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

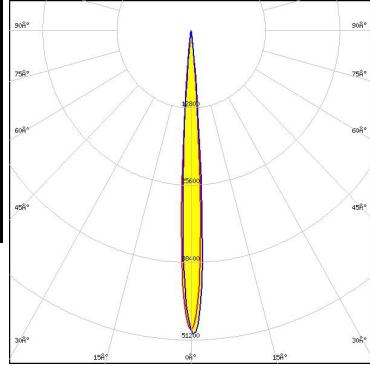


Light distribution files

## OPTICAL RESULTS (MEASURED):



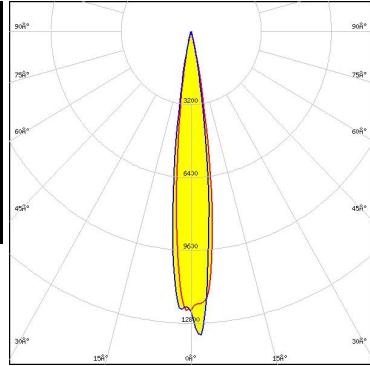
LED NVSW719AC  
FWHM / FWTM 7.0° / 12.0°  
Efficiency 91 %  
Peak intensity 50.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



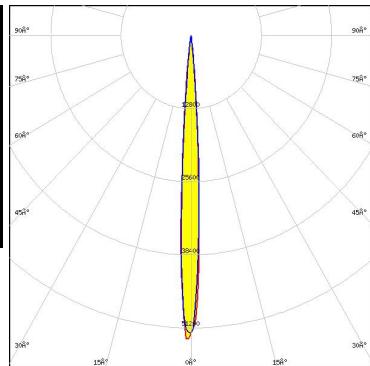
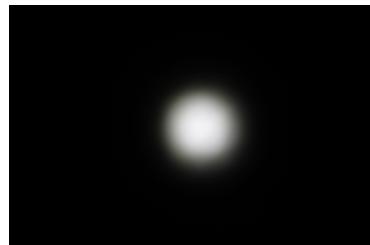
LED Duris S8  
FWHM / FWTM 14.0° / 24.0°  
Efficiency 90 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 7.0° / 12.0°  
Efficiency 91 %  
Peak intensity 53 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



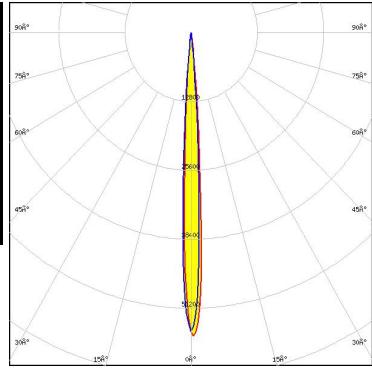
Light distribution files

## OPTICAL RESULTS (MEASURED):

### OSRAM

Opto Semiconductors

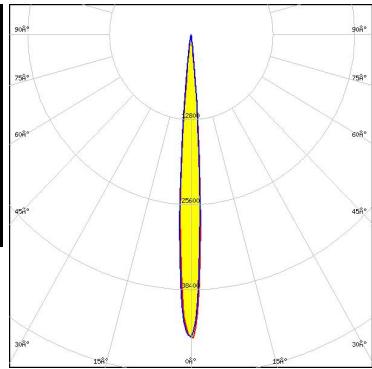
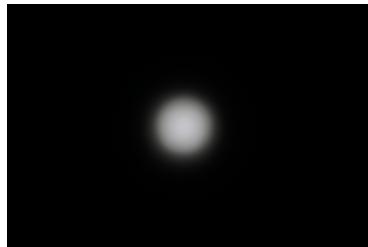
LED OSLON Square EC  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 90 %  
Peak intensity 56 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

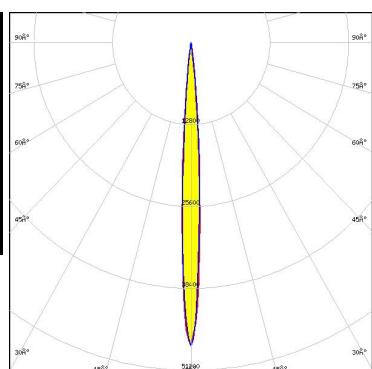
LED LH351B  
FWHM / FWTM 8.0° / 13.0°  
Efficiency 93 %  
Peak intensity 45.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

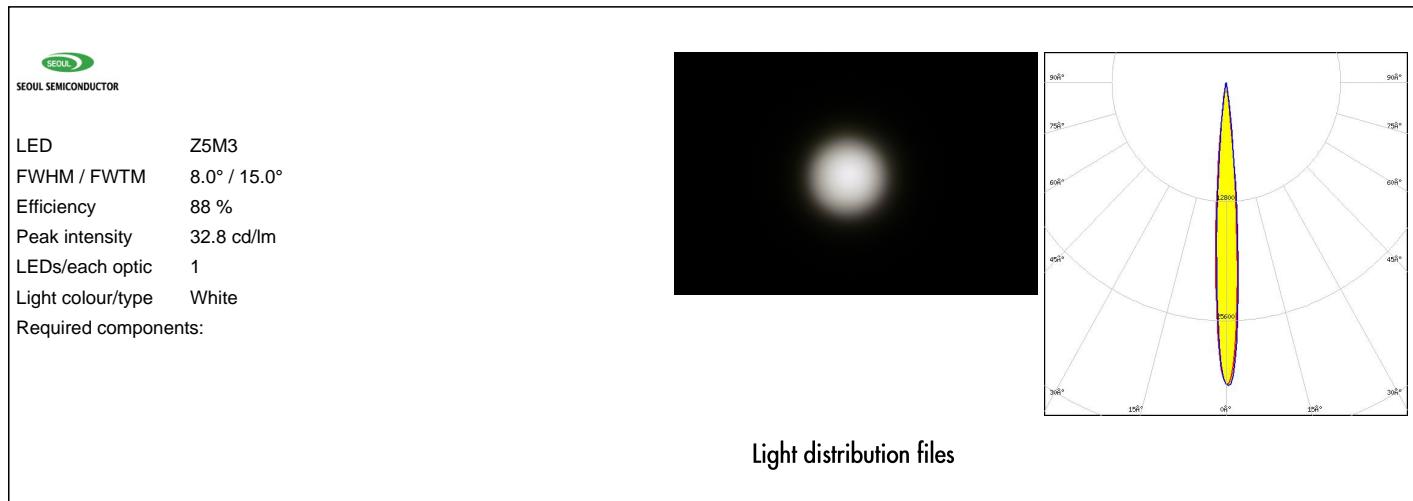
### SAMSUNG

LED LM302A  
FWHM / FWTM 7.0° / 13.0°  
Efficiency 92 %  
Peak intensity 47 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

## OPTICAL RESULTS (MEASURED):

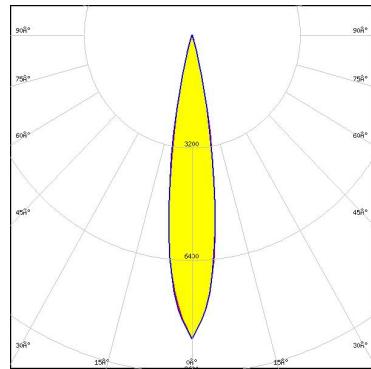


## OPTICAL RESULTS (SIMULATED):



LED	MHD-E/G
FWHM / FWTM	18.0° / 30.0°
Efficiency	91 %
Peak intensity	8.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

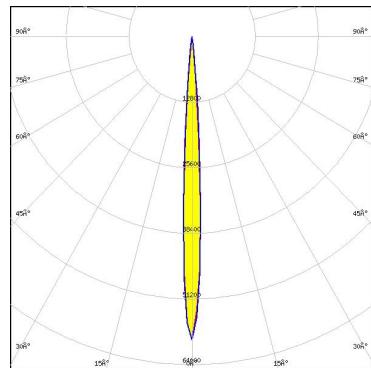


Light distribution files



LED	XB-H
FWHM / FWTM	6.0° / 12.0°
Efficiency	90 %
Peak intensity	59.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

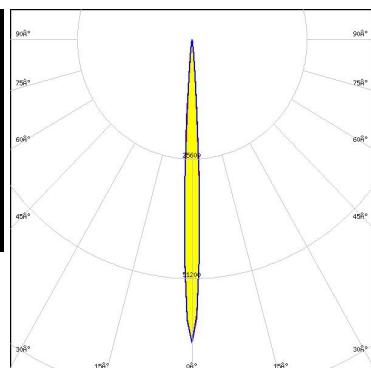


Light distribution files



LED	XD16
FWHM / FWTM	5.9° / 11.0°
Efficiency	89 %
Peak intensity	65 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

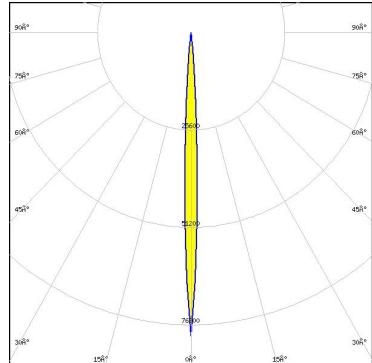


Light distribution files

## OPTICAL RESULTS (SIMULATED):



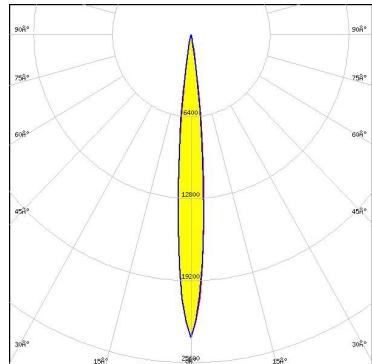
LED	XE-G
FWHM / FWTM	6.0° / 10.0°
Efficiency	89 %
Peak intensity	79.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



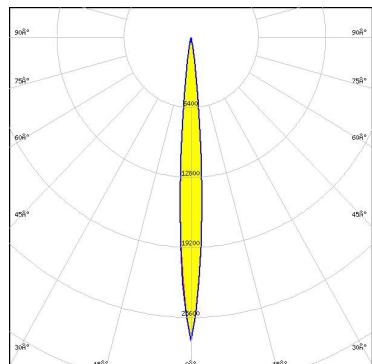
LED	XHP35 HD
FWHM / FWTM	10.0° / 18.0°
Efficiency	91 %
Peak intensity	23.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XHP35.2 HD
FWHM / FWTM	8.0° / 18.0°
Efficiency	87 %
Peak intensity	27.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

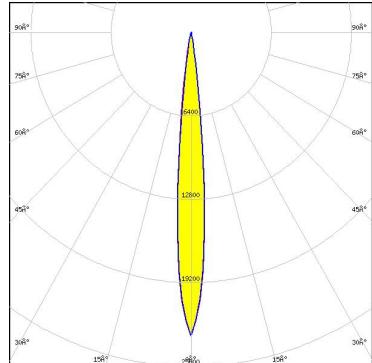


Light distribution files

## OPTICAL RESULTS (SIMULATED):



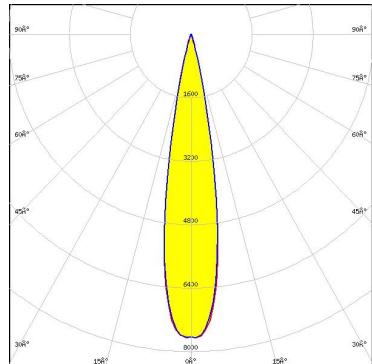
LED	XHP50.3 HI
FWHM / FWTM	10.0° / 18.0°
Efficiency	96 %
Peak intensity	23.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



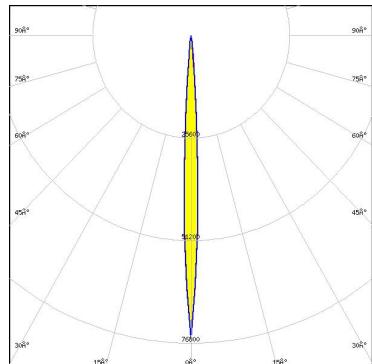
LED	XHP70.3 HI
FWHM / FWTM	20.0° / 30.0°
Efficiency	95 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XP-E
FWHM / FWTM	6.0° / 12.0°
Efficiency	92 %
Peak intensity	75.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

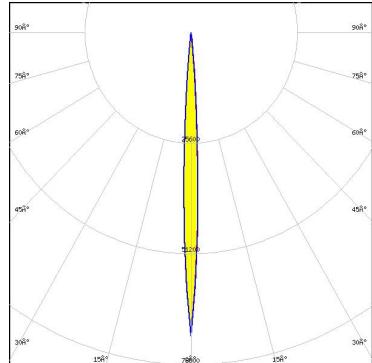


Light distribution files

## OPTICAL RESULTS (SIMULATED):



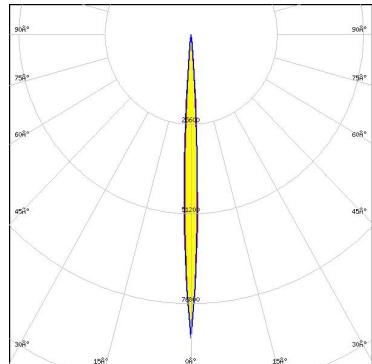
LED	XP-E2
FWHM / FWTM	6.0° / 12.0°
Efficiency	90 %
Peak intensity	70.2 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



Light distribution files



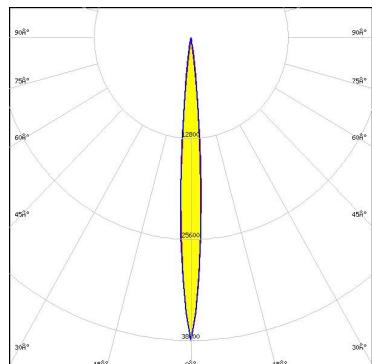
LED	XP-E2
FWHM / FWTM	5.0° / 10.0°
Efficiency	91 %
Peak intensity	85 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XP-G2 HE
FWHM / FWTM	8.0° / 14.0°
Efficiency	90 %
Peak intensity	38.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

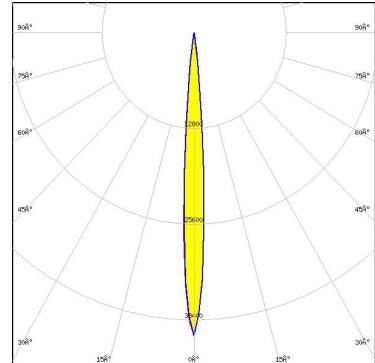


Light distribution files

## OPTICAL RESULTS (SIMULATED):



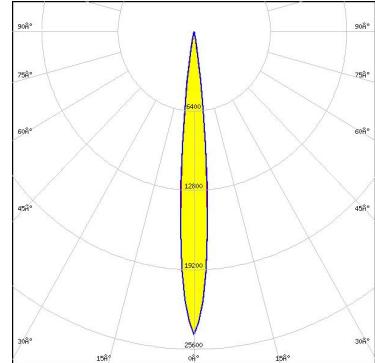
LED	XP-G3
FWHM / FWTM	7.7° / 14.0°
Efficiency	90 %
Peak intensity	40.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



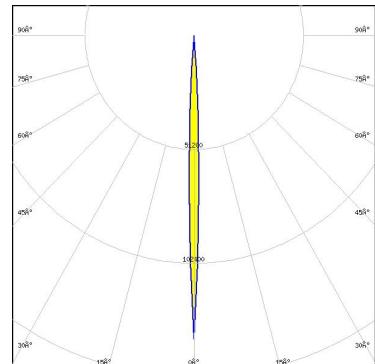
LED	XP-L2
FWHM / FWTM	10.0° / 18.0°
Efficiency	89 %
Peak intensity	24.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XP-P
FWHM / FWTM	4.0° / 8.0°
Efficiency	90 %
Peak intensity	136.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

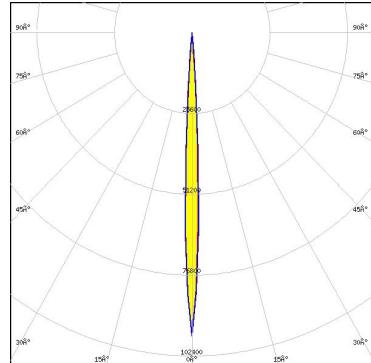


Light distribution files

## OPTICAL RESULTS (SIMULATED):



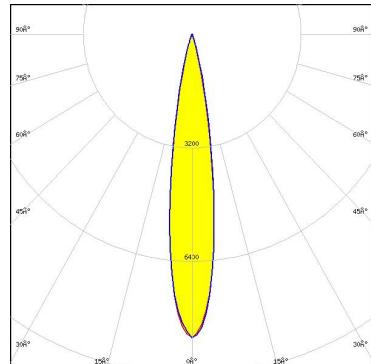
LED XQ-E HD  
 FWHM / FWTM 5.2° / 9.5°  
 Efficiency 92 %  
 Peak intensity 96.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



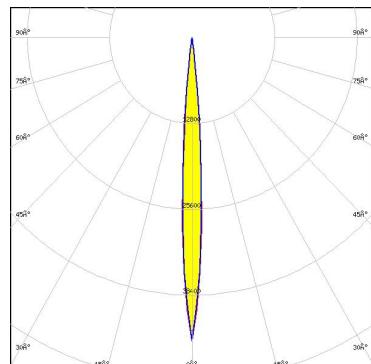
LED LUXEON 7070  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 90 %  
 Peak intensity 8.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2X  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 45.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

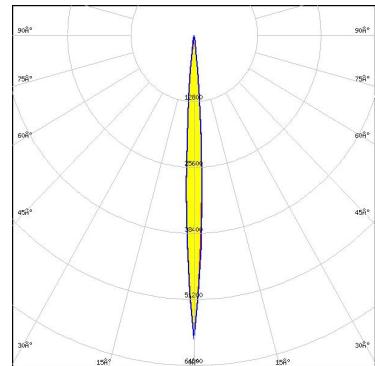


Light distribution files

## OPTICAL RESULTS (SIMULATED):



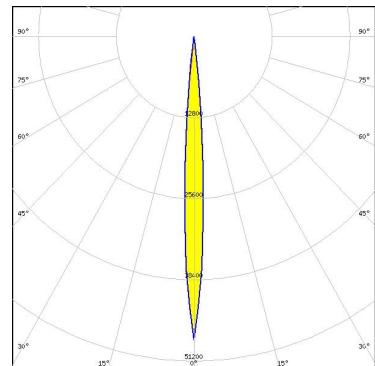
LED	LUXEON HL2Z
FWHM / FWTM	6.0° / 12.0°
Efficiency	90 %
Peak intensity	58.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



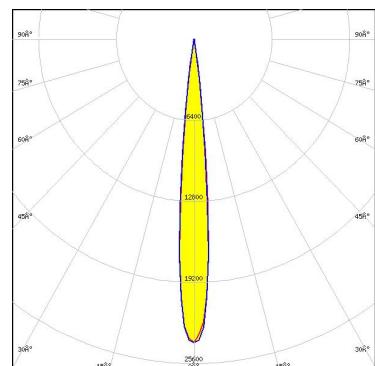
LED	LUXEON HL4Z
FWHM / FWTM	8.0° / 14.0°
Efficiency	91 %
Peak intensity	47.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	LUXEON MZ
FWHM / FWTM	10.5° / 17.8°
Efficiency	94 %
Peak intensity	24.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

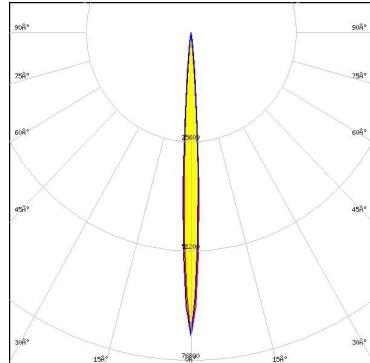


Light distribution files

## OPTICAL RESULTS (SIMULATED):



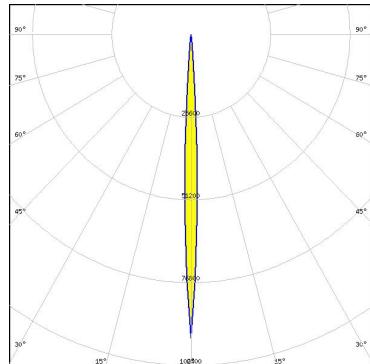
LED	LUXEON Rebel Plus
FWHM / FWTM	6.0° / 11.0°
Efficiency	89 %
Peak intensity	71.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



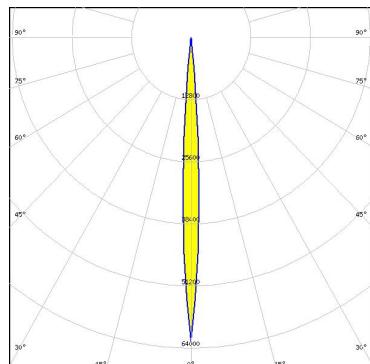
LED	SFT-25R-W-A
FWHM / FWTM	4.0° / 10.0°
Efficiency	91 %
Peak intensity	93.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	SFT-40 Gen2
FWHM / FWTM	6.0° / 12.0°
Efficiency	92 %
Peak intensity	62.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

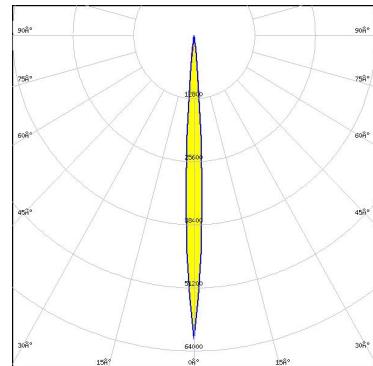


Light distribution files

## OPTICAL RESULTS (SIMULATED):



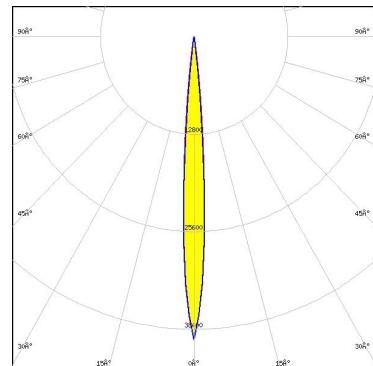
LED SFT-40-WCS  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 95 %  
 Peak intensity 61.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



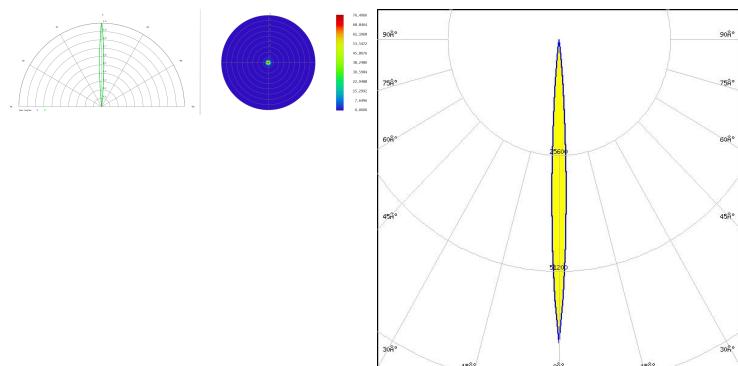
LED SFT-70X-WCS  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 96 %  
 Peak intensity 39.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-10-B130  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:

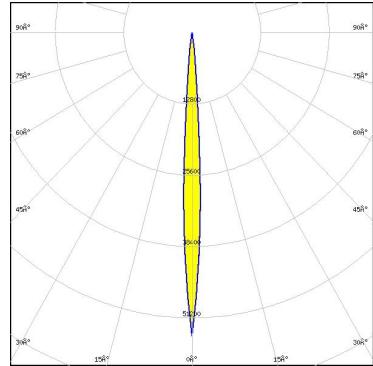


Light distribution files

## OPTICAL RESULTS (SIMULATED):



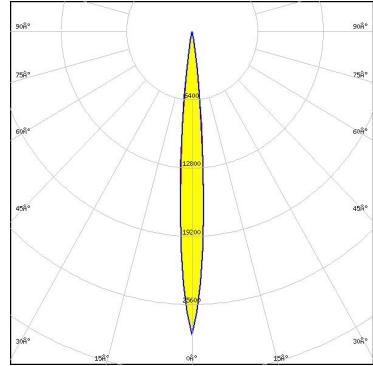
LED SST-20 Gen1  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 90 %  
 Peak intensity 54.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



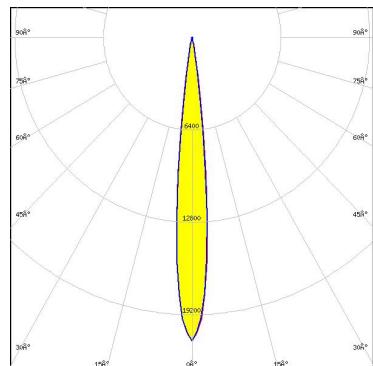
LED SST-40  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 91 %  
 Peak intensity 28.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-70X-WCS  
 FWHM / FWTM 12.0° / 20.0 + 18.0°  
 Efficiency 96 %  
 Peak intensity 21 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

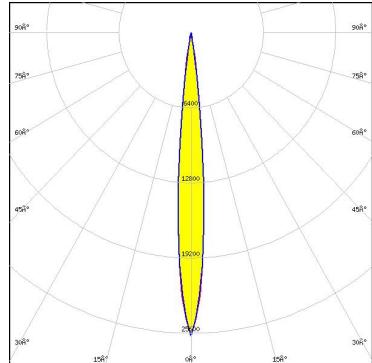


Light distribution files

## OPTICAL RESULTS (SIMULATED):



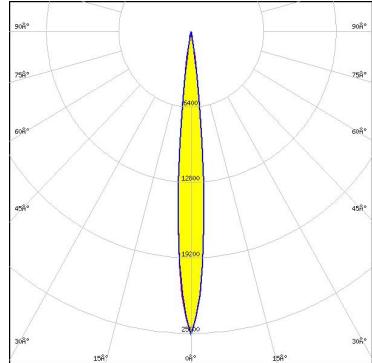
LED NV4WB35AM  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 91 %  
 Peak intensity 25.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



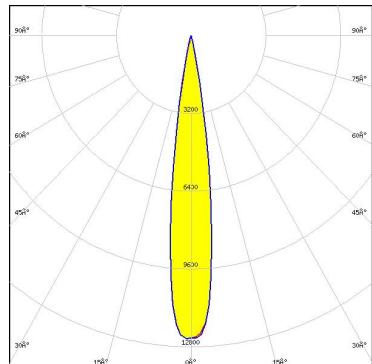
LED NV4WB35AM  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 91 %  
 Peak intensity 25.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NV4x144A  
 FWHM / FWTM 15.0° / 24.0°  
 Efficiency 89 %  
 Peak intensity 12.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

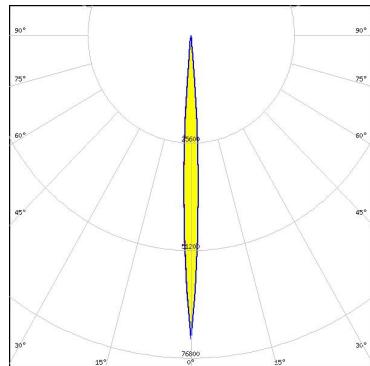


Light distribution files

## OPTICAL RESULTS (SIMULATED):



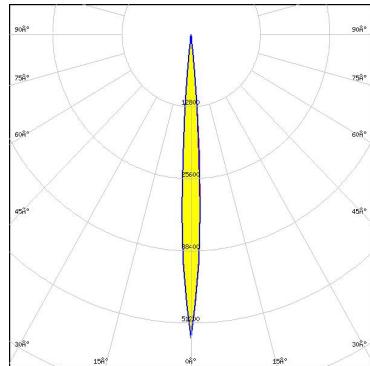
LED NVSW219C-V2  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 91 %  
 Peak intensity 72.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



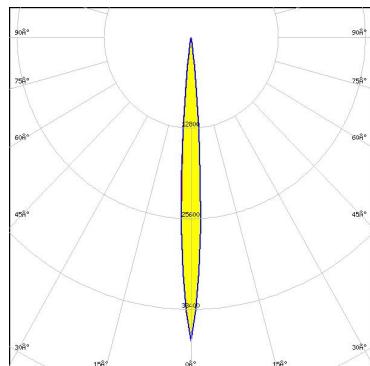
LED NVSW719AC  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 92 %  
 Peak intensity 53.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 7.5° / 14.4°  
 Efficiency 91 %  
 Peak intensity 42.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



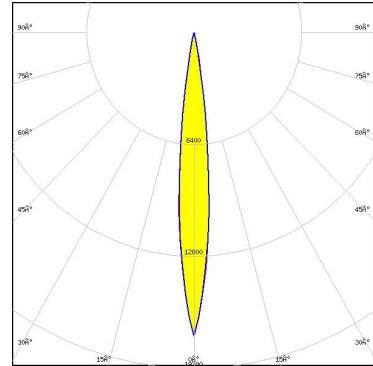
Light distribution files

## OPTICAL RESULTS (SIMULATED):

### OSRAM

Opto Semiconductors

LED	OSLON PURE 1010
FWHM / FWTM	12.0° / 22.0°
Efficiency	88 %
Peak intensity	17.4 cd/lm
LEDs/each optic	9
Light colour/type	White
Required components:	

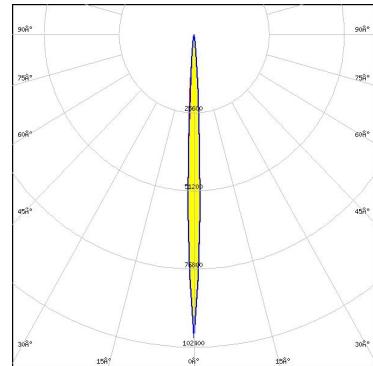


Light distribution files

### OSRAM

Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	4.0° / 10.0°
Efficiency	94 %
Peak intensity	99.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

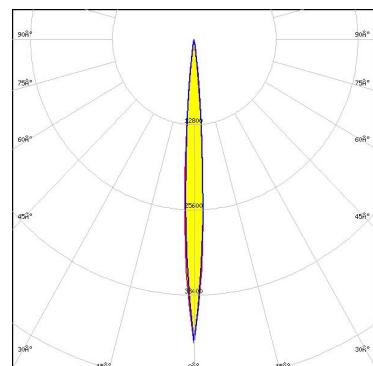


Light distribution files

### OSRAM

Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	7.0° / 14.0°
Efficiency	92 %
Peak intensity	46 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

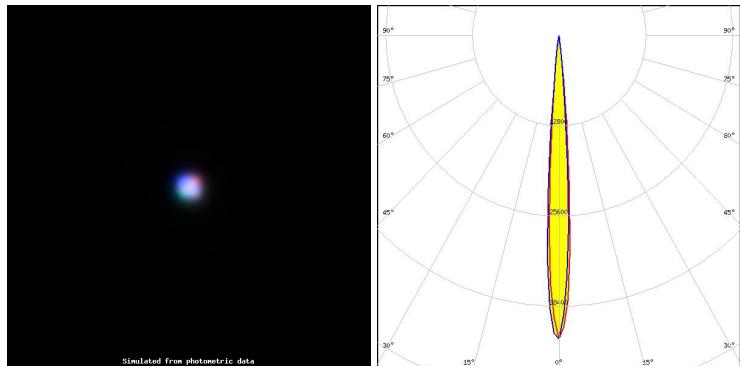
## OPTICAL RESULTS (SIMULATED):

**OSRAM**

Opto Semiconductors

LED	OSTAR Stage (S2WN)
FWHM / FWTM	8.0° / 13.0°
Efficiency	92 %
Peak intensity	43.1 cd/lm
LEDs/each optic	1
Light colour/type	RGBW
Required components:	

Simulated from photometric data



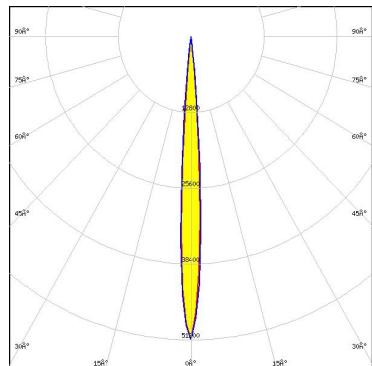
## Light distribution files

**OSRAM**

## Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	8.0° / 12.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

POLY(1,4-PHENYLENE TEREPHTHALATE)



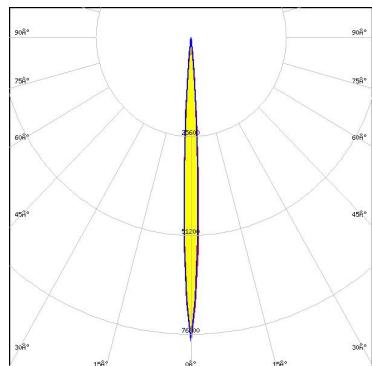
## Light distribution files

**OSRAM**

Opto Semiconductors

LED	SFH 4716AS
FWHM / FWTM	6.0° / 10.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

#### Required components:

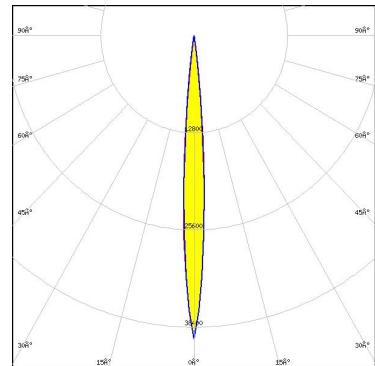


## Light distribution files

## OPTICAL RESULTS (SIMULATED):

### SAMSUNG

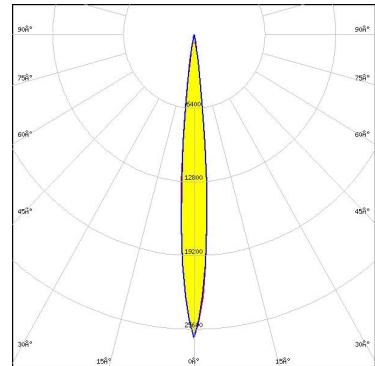
LED LH351C  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 92 %  
 Peak intensity 39.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### SAMSUNG

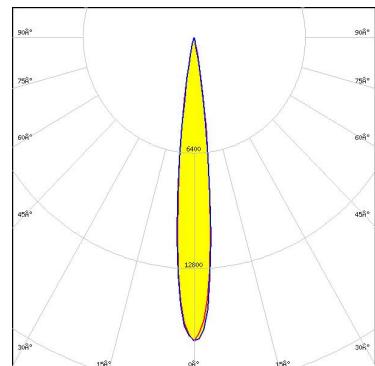
LED LH351D  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 91 %  
 Peak intensity 26.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

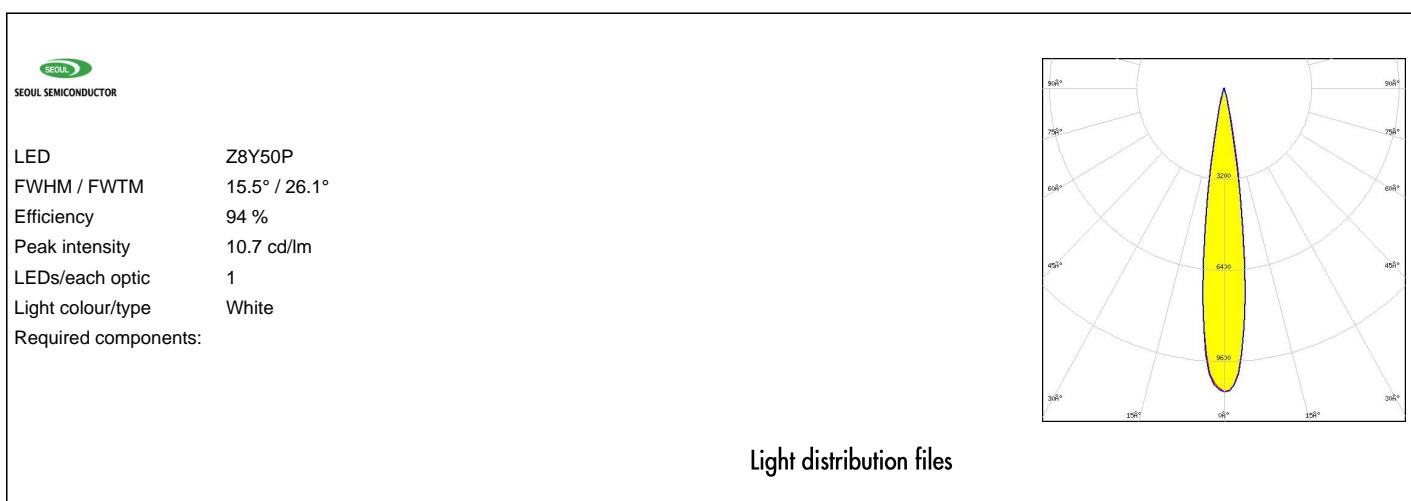
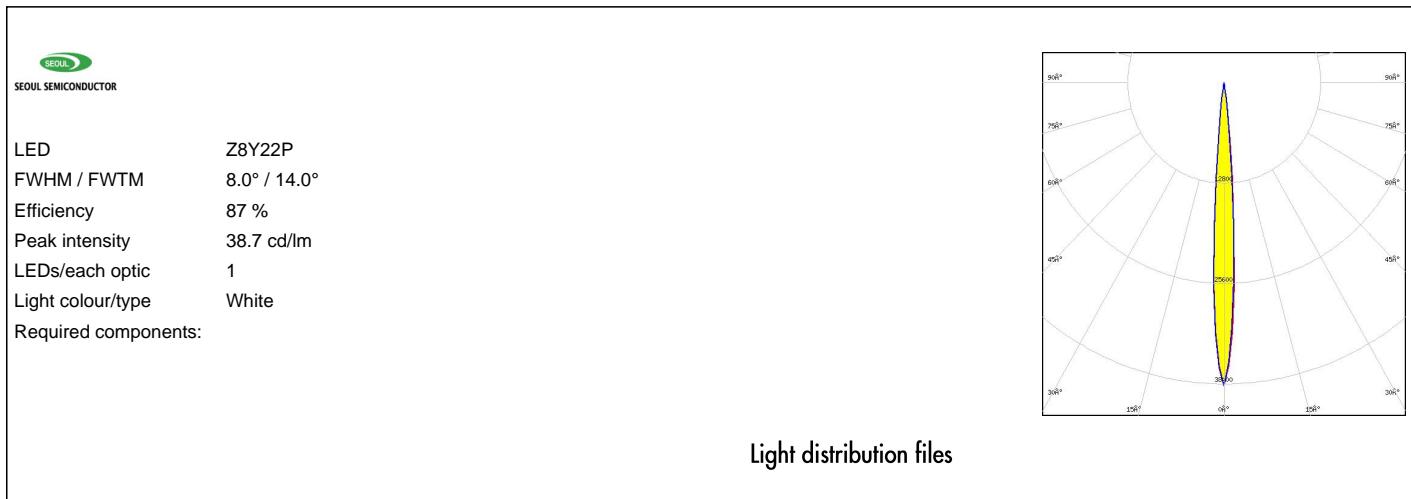
### SAMSUNG

LED LH502D  
 FWHM / FWTM 12.0° / 22.0°  
 Efficiency 91 %  
 Peak intensity 16.8 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:

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