

## HEIDI-O

~50° x 11° oval beam

### SPECIFICATION:

Dimensions	Ø 21.6
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

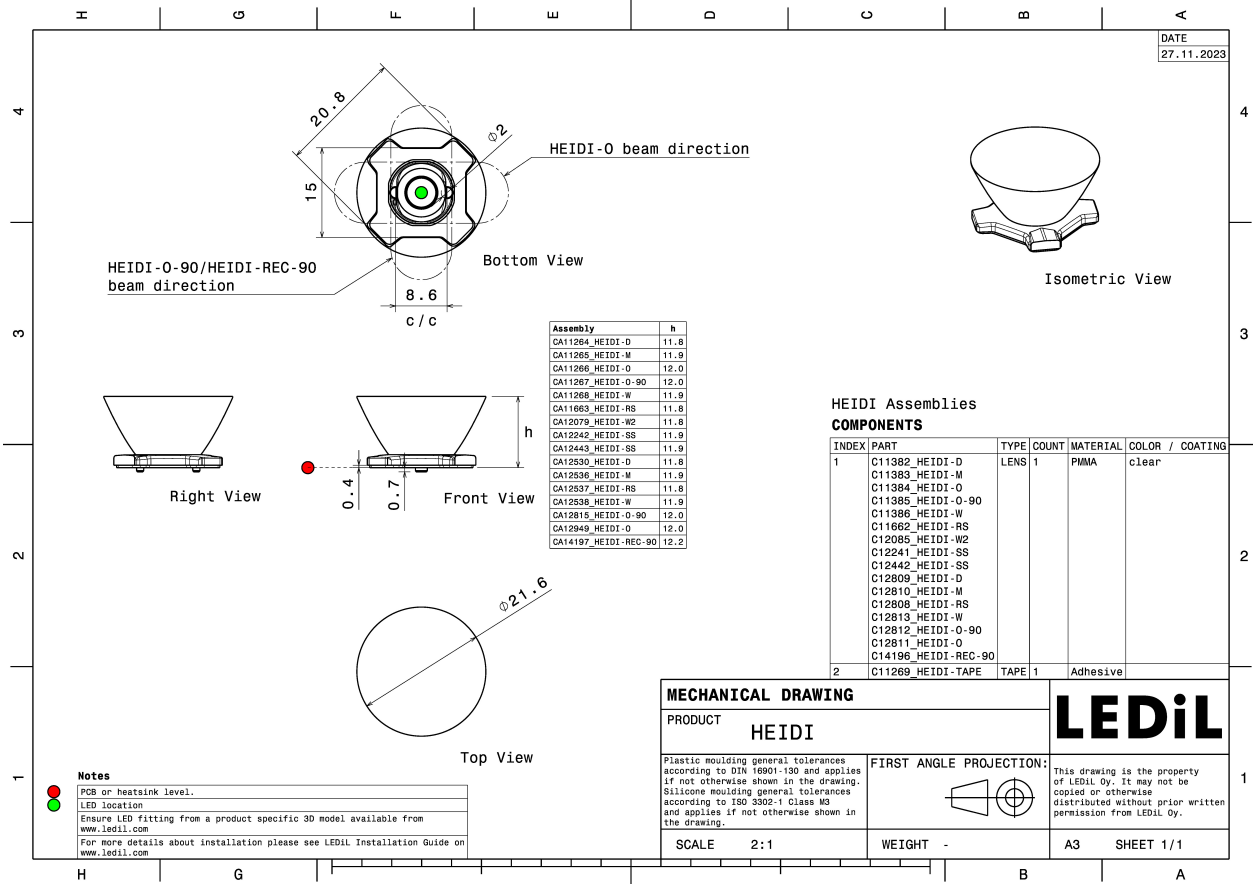
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-O	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acrylic foam	black		



### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11266_HEIDI-O	Single lens	3264	204	204	9.7
» Box size: 480 x 280 x 300 mm					

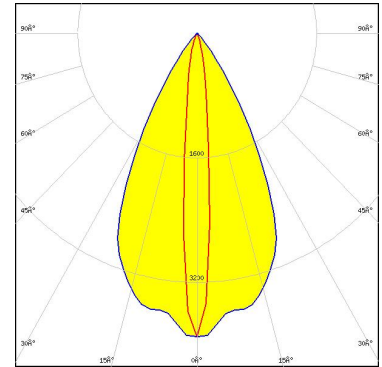


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



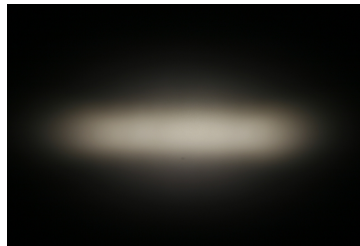
**LED** XB-D  
**FWHM / FWTM** 54.0 + 10.0° / 77.0 + 27.0°  
**Efficiency** 87 %  
**Peak intensity** 3.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



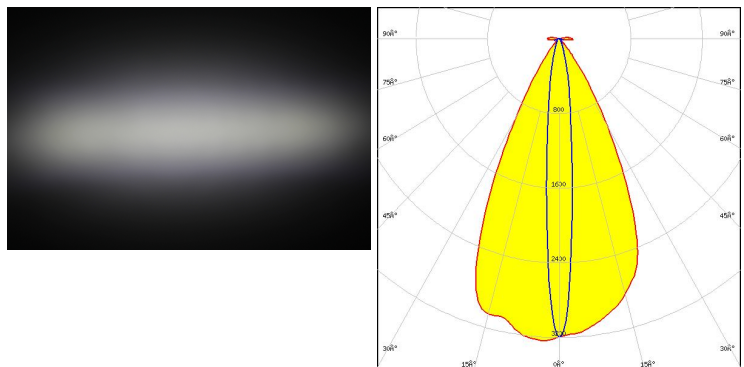
**LED** XB-H  
**FWHM / FWTM** 53.0 + 11.0° / 78.0 + 34.0°  
**Efficiency** 83 %  
**Peak intensity** 3.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XD16  
**FWHM / FWTM** 52.0 + 10.0° / 75.0 + 30.0°  
**Efficiency** 89 %  
**Peak intensity** 3.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

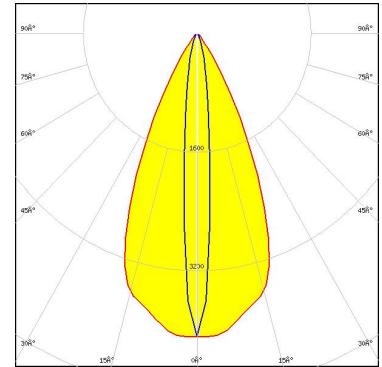


Light distribution files

### OPTICAL RESULTS (MEASURED):



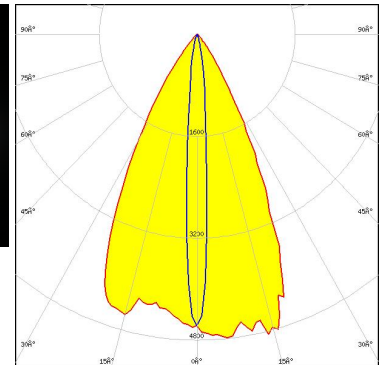
LED XP-E  
 FWHM / FWTM 48.0 + 10.0° / 70.0 + 30.0°  
 Efficiency 87 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



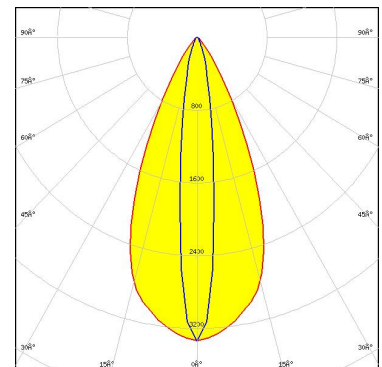
LED XP-E2  
 FWHM / FWTM 54.0 + 9.0° / 75.0 + 23.0°  
 Efficiency 85 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G  
 FWHM / FWTM 47.0 + 14.0° / 72.0 + 36.0°  
 Efficiency 87 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

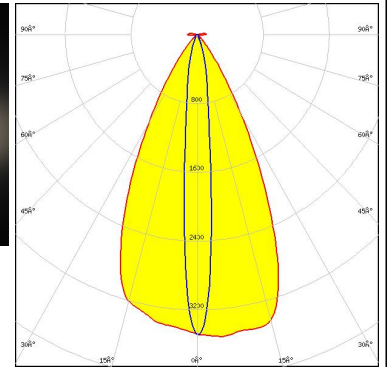


Light distribution files

### OPTICAL RESULTS (MEASURED):



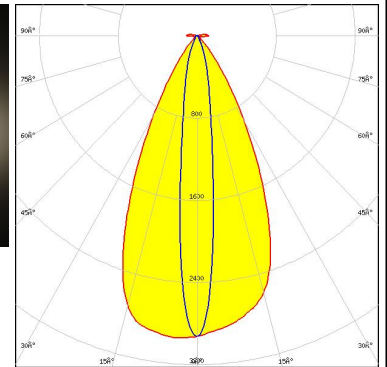
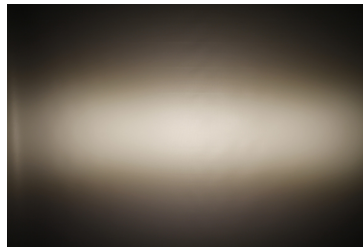
LED XP-G2  
 FWHM / FWTM 52.0 + 11.0° / 76.0 + 32.0°  
 Efficiency 91 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



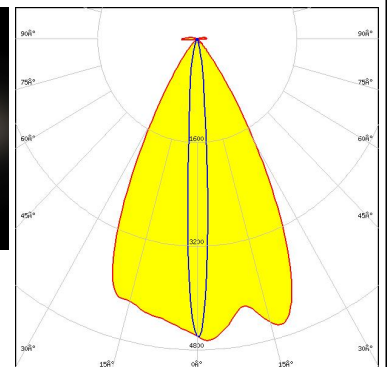
LED XP-G3  
 FWHM / FWTM 51.0 + 13.0° / 77.0 + 37.0°  
 Efficiency 91 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XQ-E HD  
 FWHM / FWTM 55.0 + 8.0° / 75.0 + 22.0°  
 Efficiency 93 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

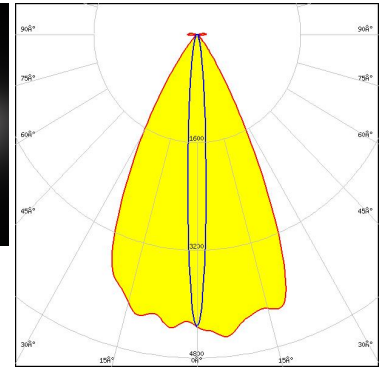
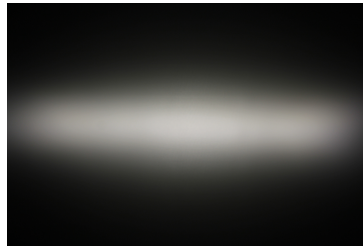


Light distribution files

### OPTICAL RESULTS (MEASURED):



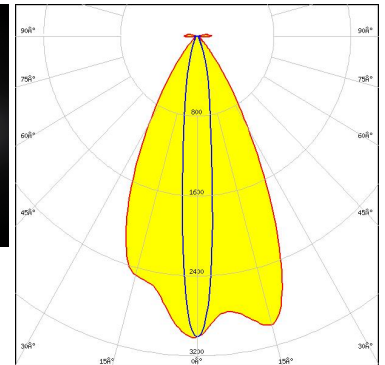
LED XQ-E HI  
 FWHM / FWTM 53.0 + 7.0° / 73.0 + 21.0°  
 Efficiency 90 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



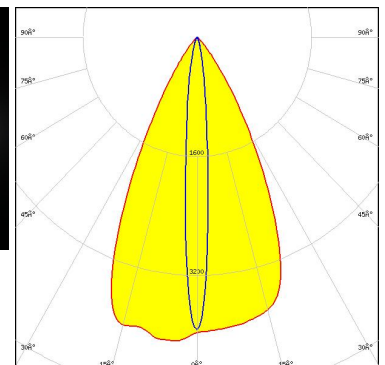
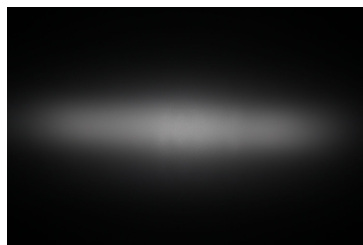
LED XT-E  
 FWHM / FWTM 52.0 + 12.0° / 78.0 + 35.0°  
 Efficiency 91 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON C  
 FWHM / FWTM 53.0 + 9.0° / 75.0 + 25.0°  
 Efficiency 81 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

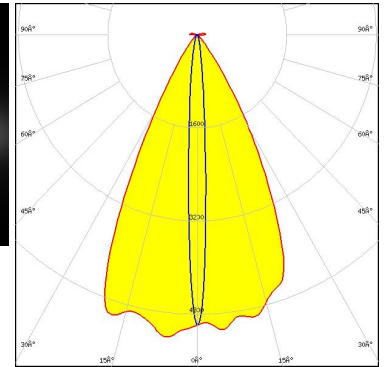


Light distribution files

### OPTICAL RESULTS (MEASURED):



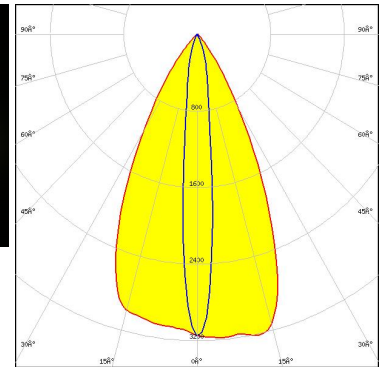
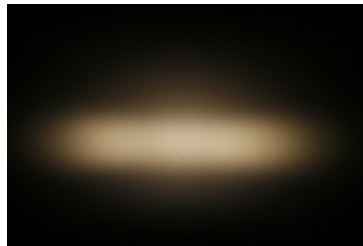
**LED** LUXEON CZ  
**FWHM / FWTM** 53.0 + 7.0° / 72.0 + 20.0°  
**Efficiency** 92 %  
**Peak intensity** 5.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



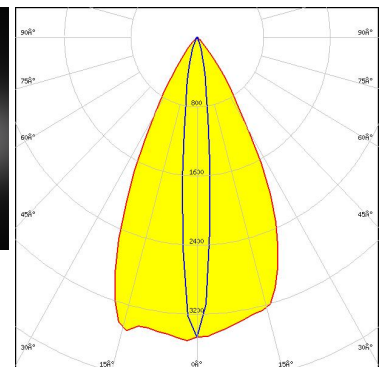
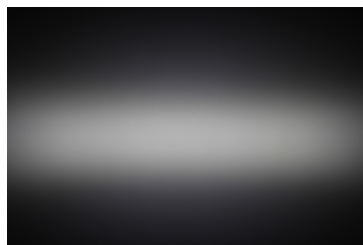
**LED** LUXEON T  
**FWHM / FWTM** 52.0 + 12.0° / 76.0 + 33.0°  
**Efficiency** 81 %  
**Peak intensity** 3.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** LUXEON TX  
**FWHM / FWTM** 54.0 + 12.0° / 77.0 + 31.0°  
**Efficiency** 82 %  
**Peak intensity** 3.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

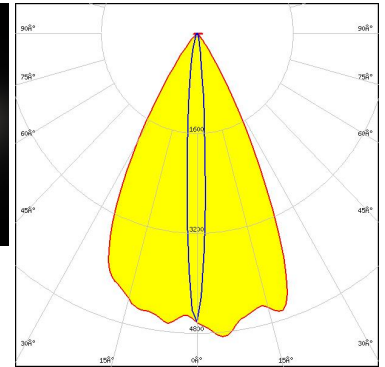


Light distribution files

### OPTICAL RESULTS (MEASURED):



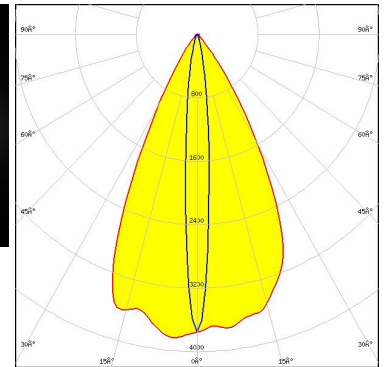
LED LUXEON Z  
 FWHM / FWTM 55.0 + 7.5° / 73.0 + 20.0°  
 Efficiency 87 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



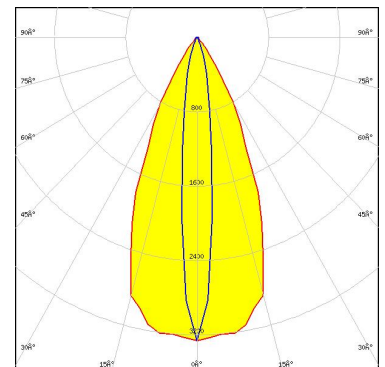
LED LUXEON Z ES  
 FWHM / FWTM 54.0 + 9.6° / 74.0 + 25.0°  
 Efficiency 85 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NCSxx19A  
 FWHM / FWTM 46.0 + 12.0° / 70.0 + 34.0°  
 Efficiency 82 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



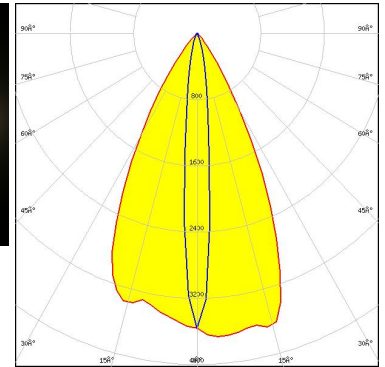
Light distribution files



### OPTICAL RESULTS (MEASURED):



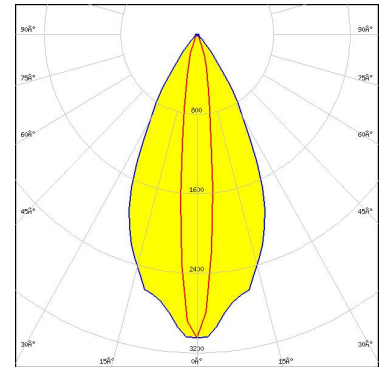
LED NCSxx19B  
 FWHM / FWTM 55.0 + 11.0° / 77.0 + 29.0°  
 Efficiency 83 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



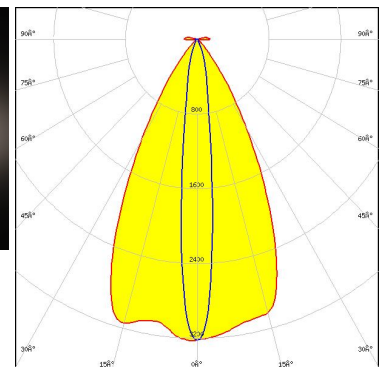
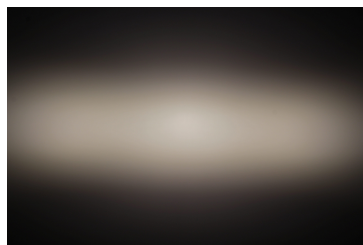
LED NVSxx19A  
 FWHM / FWTM 50.0 + 12.0° / 76.0 + 35.0°  
 Efficiency 82 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 54.0 + 12.0° / 78.0 + 33.0°  
 Efficiency 92 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

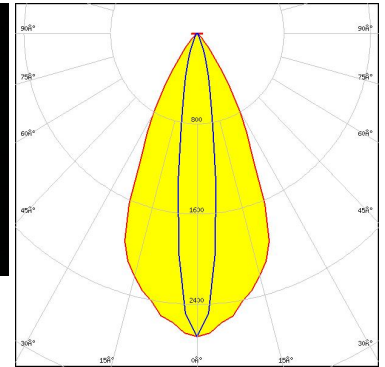
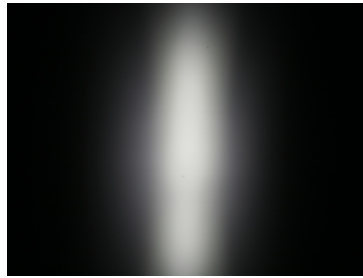


Light distribution files

### OPTICAL RESULTS (MEASURED):



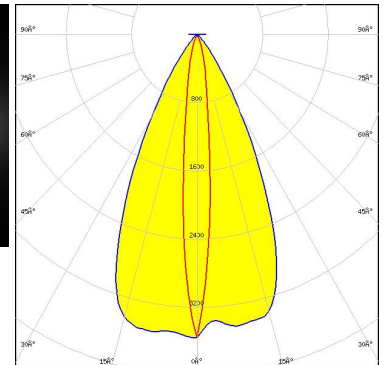
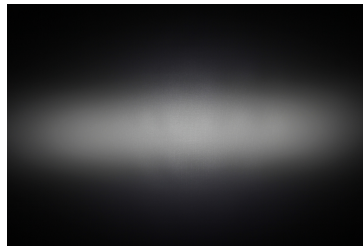
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 48.0 + 15.0° / 74.0 + 36.0°  
 Efficiency 82 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



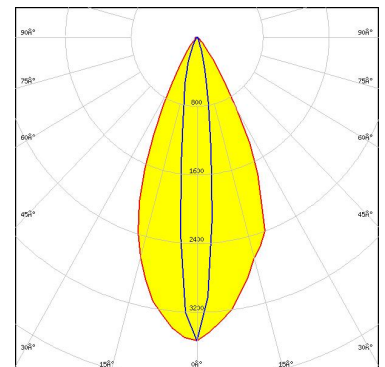
LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 52.0 + 13.0° / 80.0 + 32.0°  
 Efficiency 80 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLOM Square EC  
 FWHM / FWTM 48.0 + 12.0° / 74.0 + 30.0°  
 Efficiency 86 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

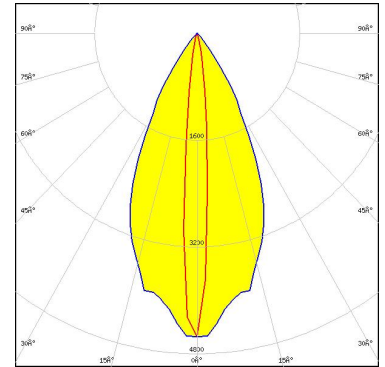


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

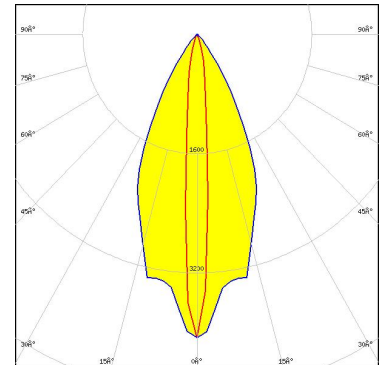
LED OSLON SSL 150  
FWHM / FWTM 50.0 + 8.0° / 75.0 + 22.0°  
Efficiency 85 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

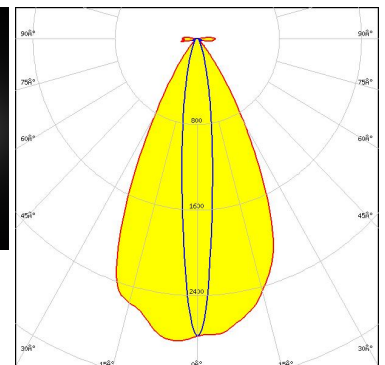
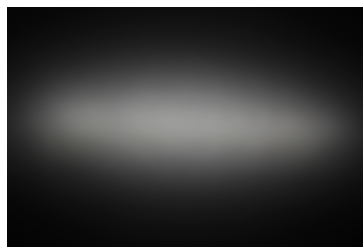
LED OSLON SSL 80  
FWHM / FWTM 47.0 + 8.0° / 73.0 + 27.0°  
Efficiency 83 %  
Peak intensity 4.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH181A  
FWHM / FWTM 52.0 + 12.0° / 76.0 + 36.0°  
Efficiency 93 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

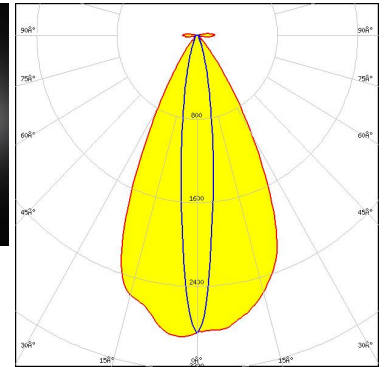
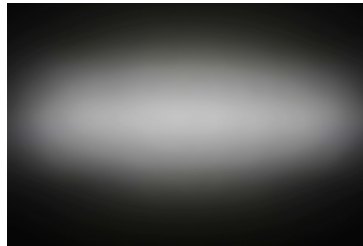


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

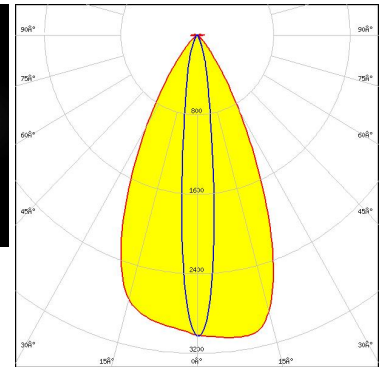
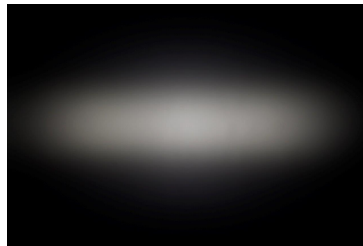
LED LH181B  
FWHM / FWTM 53.0 + 13.0° / 75.0 + 35.0°  
Efficiency 90 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

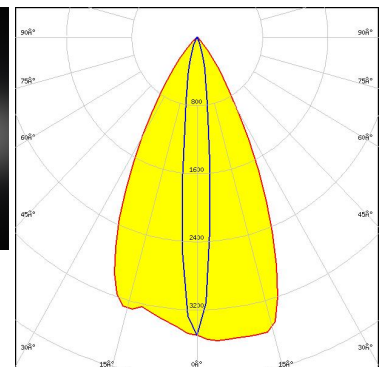
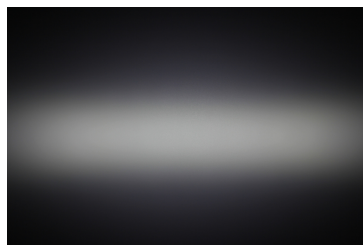
LED LH351B  
FWHM / FWTM 51.0 + 13.0° / 77.0 + 34.0°  
Efficiency 84 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

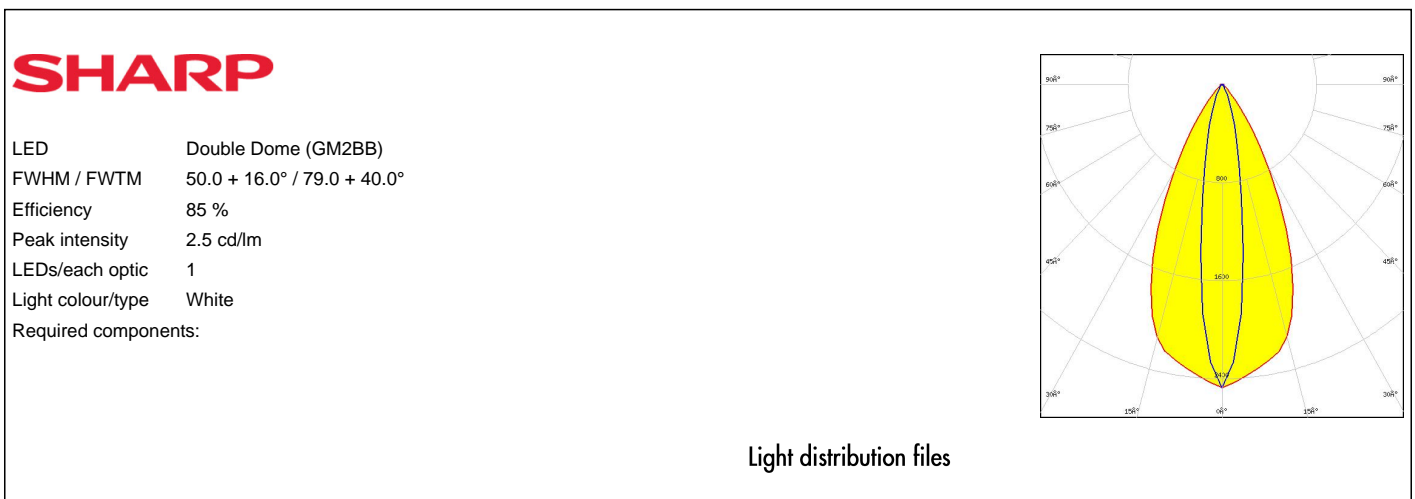
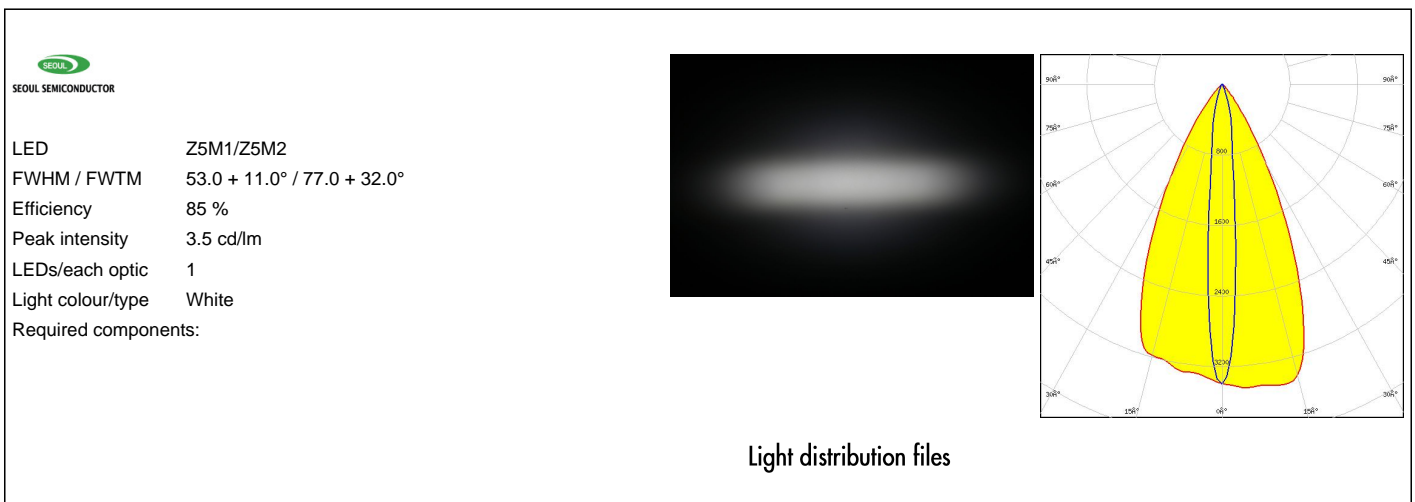
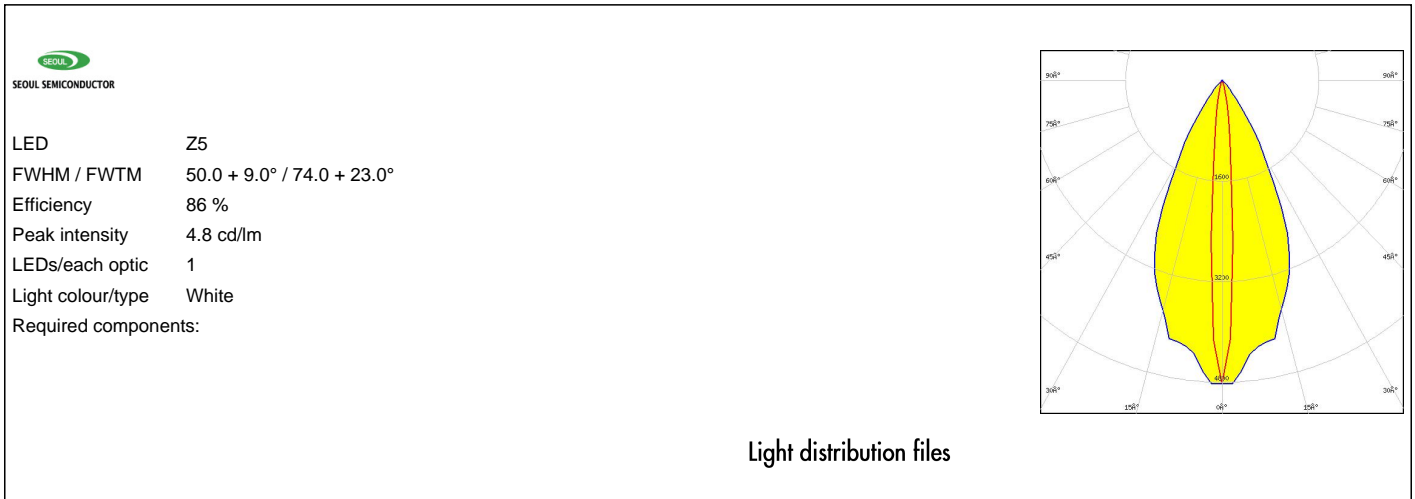
#### SAMSUNG

LED LH351Z  
FWHM / FWTM 54.0 + 12.0° / 78.0 + 32.0°  
Efficiency 83 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

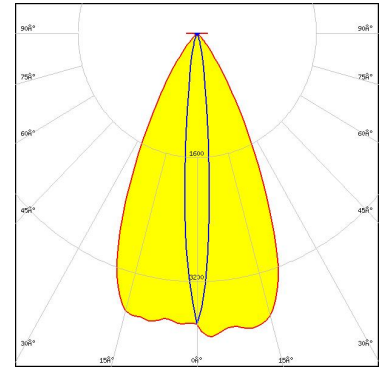
### OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (SIMULATED):



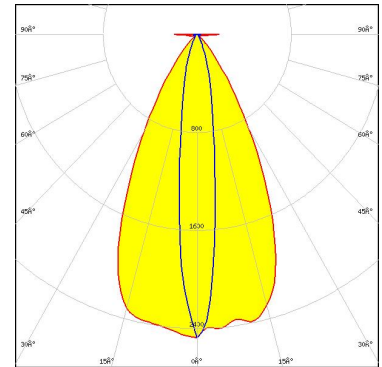
**LED** XB-D  
**FWHM / FWTM** 52.0 + 10.0° / 75.0 + 24.0°  
**Efficiency** 88 %  
**Peak intensity** 3.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



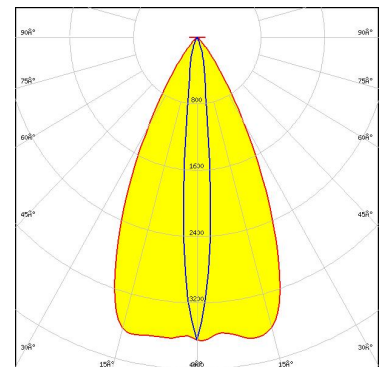
**LED** XHP35.2 HI  
**FWHM / FWTM** 53.0 + 14.0° / 80.0 + 40.0°  
**Efficiency** 89 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-G4  
**FWHM / FWTM** 52.0 + 10.0° / 76.0 + 28.0°  
**Efficiency** 90 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

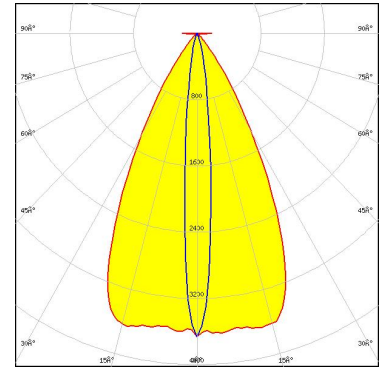


Light distribution files

### OPTICAL RESULTS (SIMULATED):



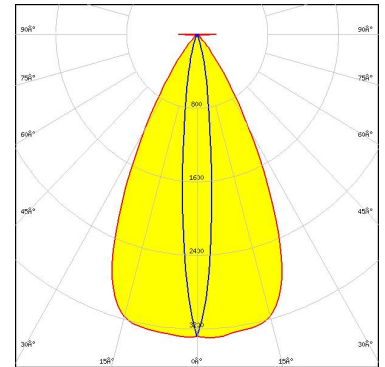
LED LUXEON 3030 HV  
FWHM / FWTM 55.0 + 11.0° / 78.0 + 28.0°  
Efficiency 90 %  
Peak intensity 3.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



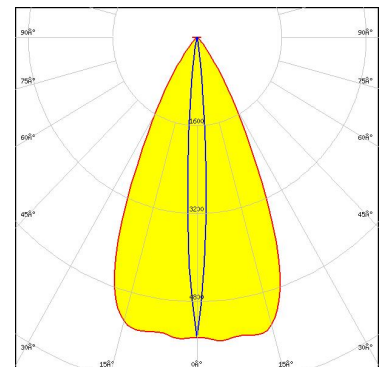
LED LUXEON HL2Z  
FWHM / FWTM 54.0 + 12.0° / 76.0 + 29.0°  
Efficiency 90 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON Rubix  
FWHM / FWTM 50.0 + 8.0° / 73.0 + 16.0°  
Efficiency 91 %  
Peak intensity 5.5 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:

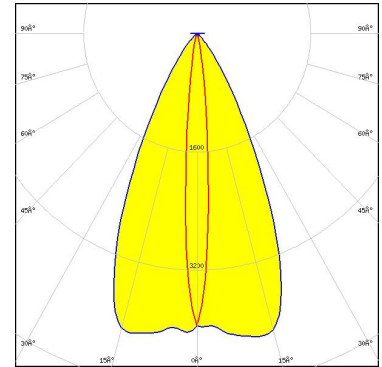


Light distribution files

### OPTICAL RESULTS (SIMULATED):



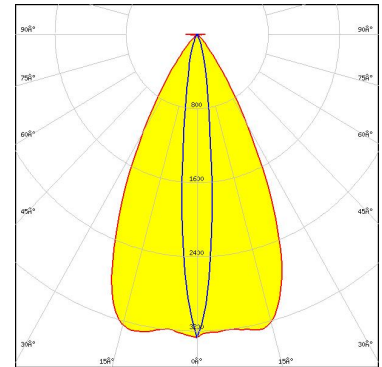
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 52.0 + 10.0° / 76.0 + 20.0°  
 Efficiency 87 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



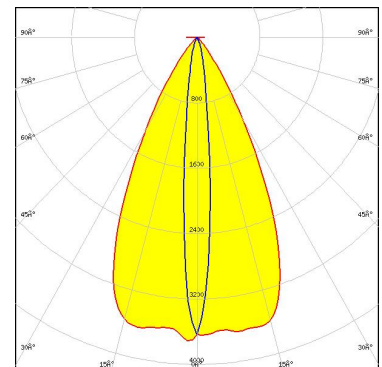
LED NF2x757G  
 FWHM / FWTM 54.0 + 12.0° / 78.0 + 29.0°  
 Efficiency 91 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NFSx757G  
 FWHM / FWTM 54.0 + 10.0° / 78.0 + 28.0°  
 Efficiency 0 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



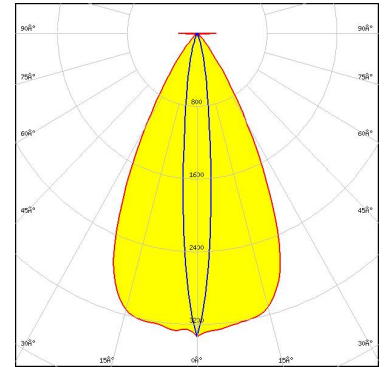
Light distribution files



### OPTICAL RESULTS (SIMULATED):



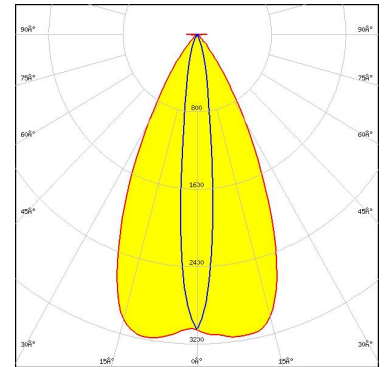
LED NVSxE21A  
FWHM / FWTM 54.0 + 11.0° / 76.0 + 28.0°  
Efficiency 88 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



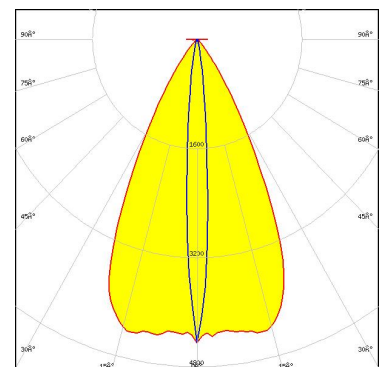
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 52.0 + 12.0° / 78.0 + 32.0°  
Efficiency 88 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSCONIQ P 3030  
FWHM / FWTM 53.0 + 8.0° / 75.0 + 20.0°  
Efficiency 89 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):

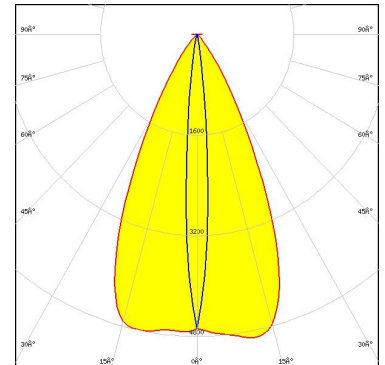
**OSRAM**  
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)  
 FWHM / FWTM 49.7 + 7.8° / 71.9 + 18.6°  
 Efficiency 93 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Light distribution files

**OSRAM**  
Opto Semiconductors

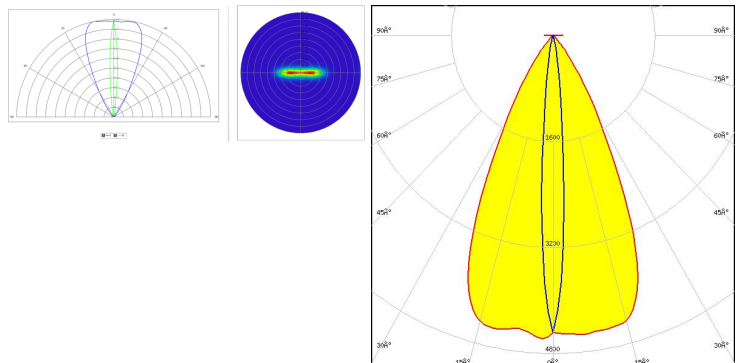
LED OSLON SSL 150  
 FWHM / FWTM 51.0 + 8.0° / 74.0 + 18.0°  
 Efficiency 91 %  
 Peak intensity 4.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type Red  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4716S  
 FWHM / FWTM 52.0 + 9.0° / 74.0 + 19.0°  
 Efficiency 93 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:

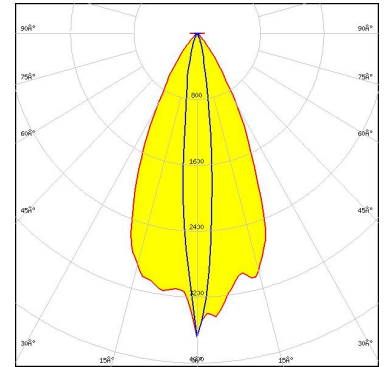


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

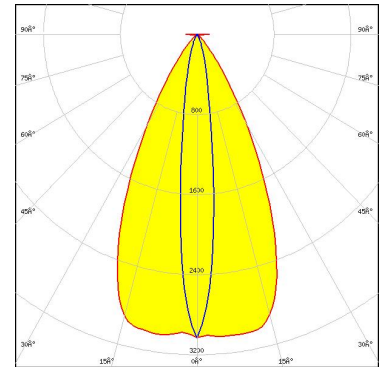
LED LH351B  
 FWHM / FWTM 48.0 + 11.0° / 76.0 + 29.0°  
 Efficiency 89 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



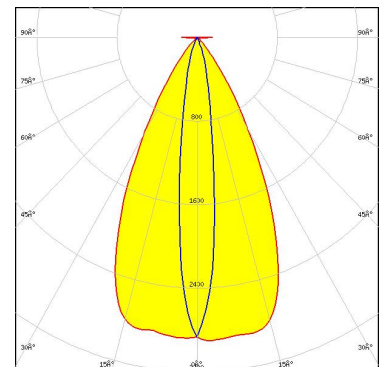
LED Z5M3  
 FWHM / FWTM 52.0 + 13.0° / 78.0 + 34.0°  
 Efficiency 90 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z5M4  
 FWHM / FWTM 54.0 + 14.0° / 78.0 + 34.0°  
 Efficiency 89 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

### MATERIALS:

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#### LEDiL Oy

Joensuunkatu 7  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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