



**THE DATASHEET OF  
CN10861\_IRIS**



### IRIS

~10° spot beam with holder

#### SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	28.5 mm
Fastening	glue, screw
ROHS compliant	yes ⓘ

#### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
C10781_IRIS	Single lens	PMMA	clear		
C10860_IRIS-HLD	Holder	PC	black		

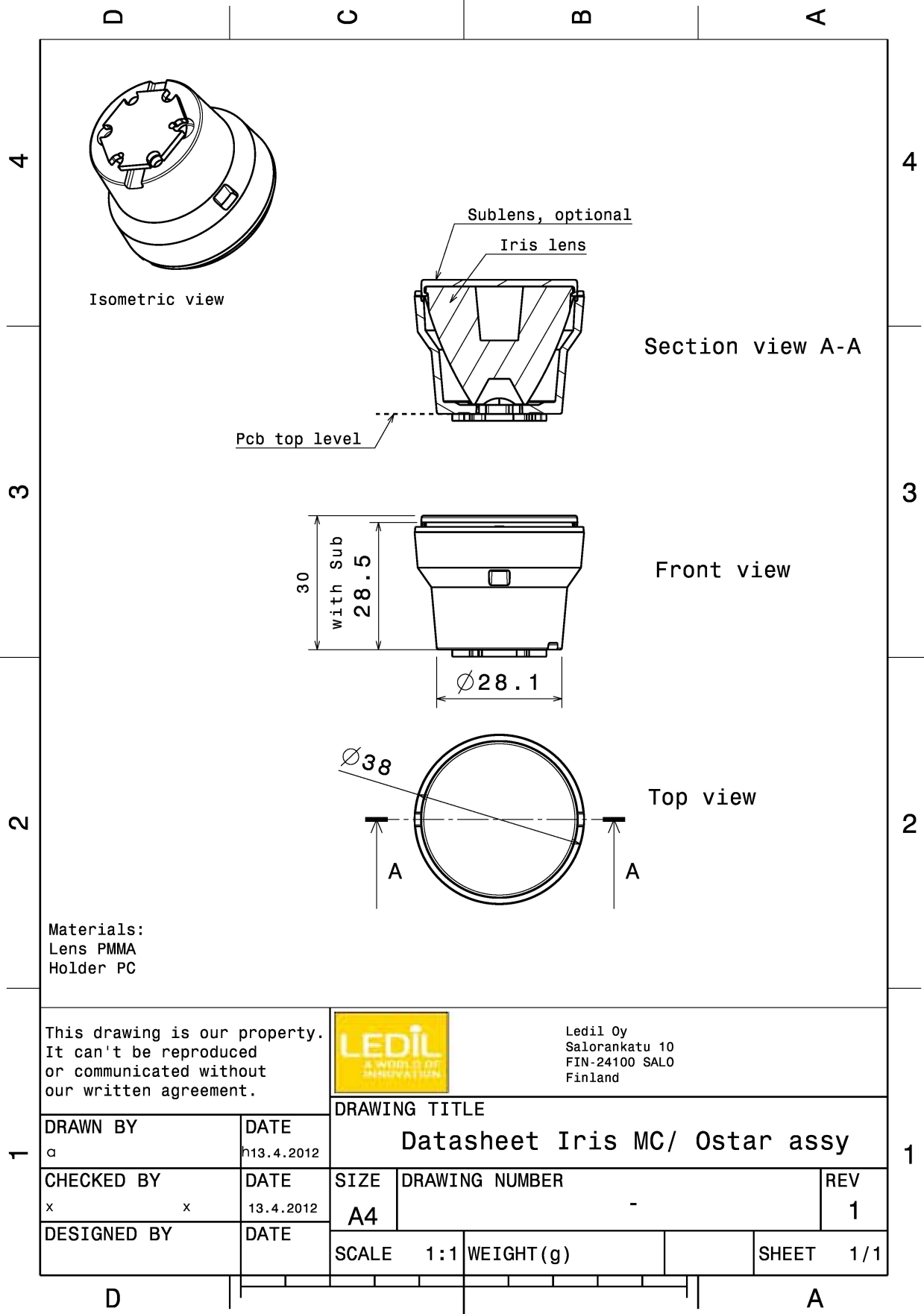


#### ORDERING INFORMATION:

##### Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C10781_IRIS	Single lens	580	116	58	9.0
» Box size: 480 x 280 x 300 mm					
C10860_IRIS-HLD	Holder	1044	116	29	7.2
» Box size: 480 x 280 x 300 mm					

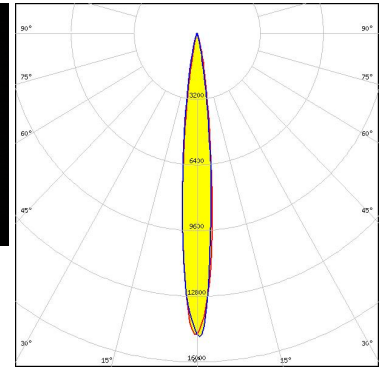
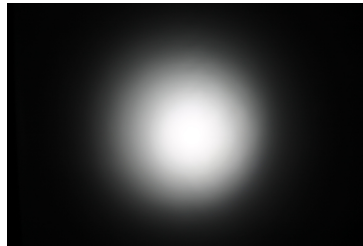


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



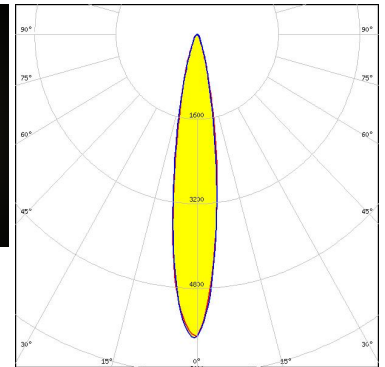
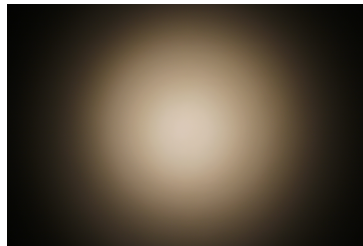
**LED** MC-E  
**FWHM / FWTM** 11.0° / 24.0°  
**Efficiency** 89 %  
**Peak intensity** 15 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



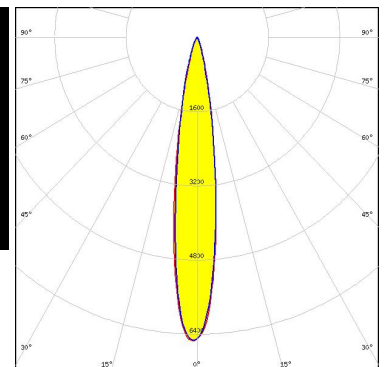
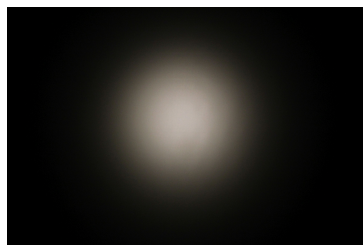
**LED** MHD-E/G  
**FWHM / FWTM** 17.0° / 37.0°  
**Efficiency** 91 %  
**Peak intensity** 5.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XHP50  
**FWHM / FWTM** 16.0° / 33.0°  
**Efficiency** 81 %  
**Peak intensity** 6.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

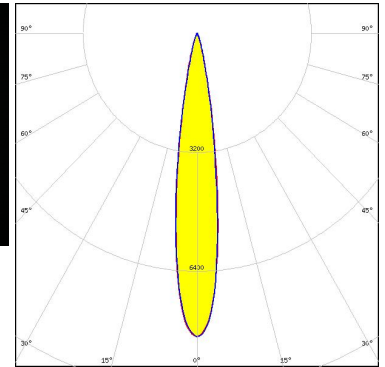


Light distribution files

### OPTICAL RESULTS (MEASURED):



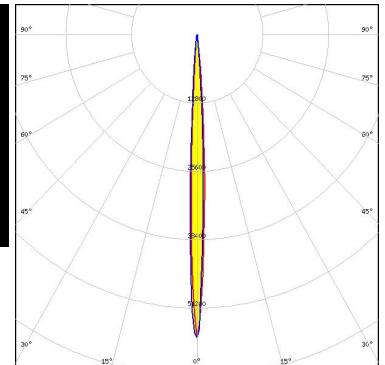
LED XHP50.2  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 83 %  
 Peak intensity 8.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



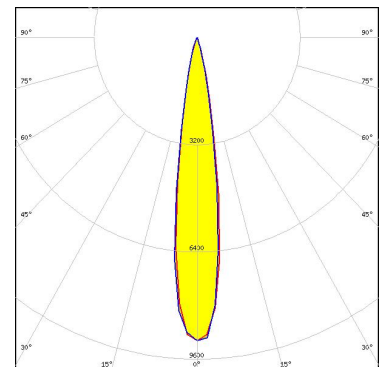
LED LUXEON CZ  
 FWHM / FWTM 5.0° / 11.0°  
 Efficiency 80 %  
 Peak intensity 57 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON M/MX  
 FWHM / FWTM 16.0° / 30.0°  
 Efficiency 87 %  
 Peak intensity 9.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

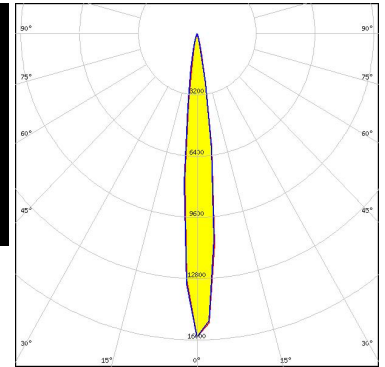


Light distribution files

### OPTICAL RESULTS (MEASURED):



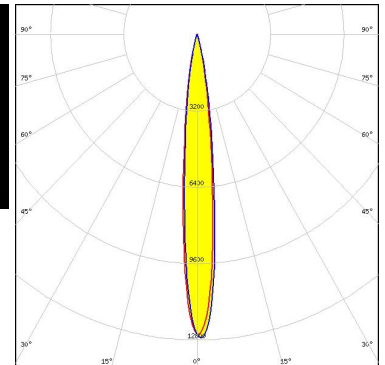
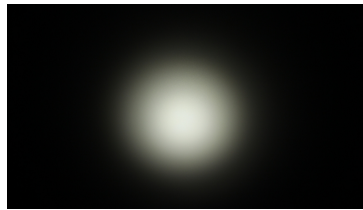
**LED** LUXEON MZ  
**FWHM / FWTM** 12.0° / 22.0°  
**Efficiency** 82 %  
**Peak intensity** 15.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



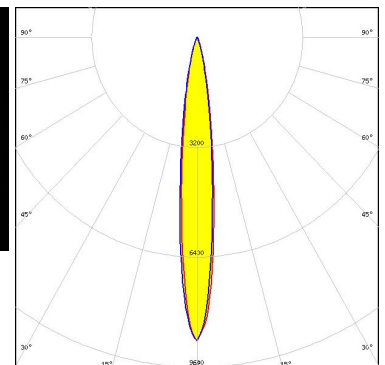
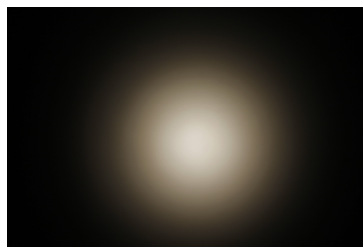
**LED** NFMW48xA  
**FWHM / FWTM** 12.0° / 25.0°  
**Efficiency** 84 %  
**Peak intensity** 12.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** Duris S10  
**FWHM / FWTM** 13.0° / 29.0°  
**Efficiency** 79 %  
**Peak intensity** 8.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

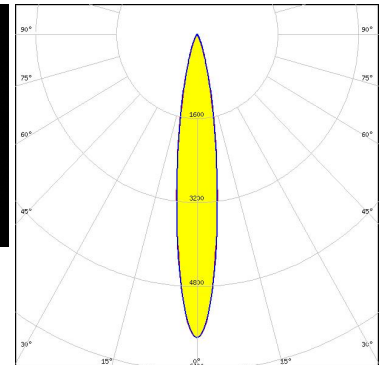
LED Duris S8  
FWHM / FWTM 11.0° / 24.0°  
Efficiency %  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEOL**  
SEOUL SEMICONDUCTOR

LED WICOP 5050  
FWHM / FWTM 16.0° / 36.0°  
Efficiency 77 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SEOL**  
SEOUL SEMICONDUCTOR

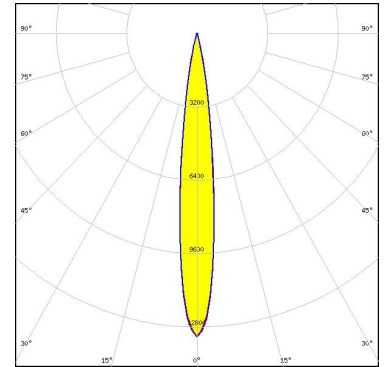
LED Z5M1/Z5M2  
FWHM / FWTM 7.0° / 14.0°  
Efficiency 83 %  
Peak intensity 40.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



### OPTICAL RESULTS (SIMULATED):



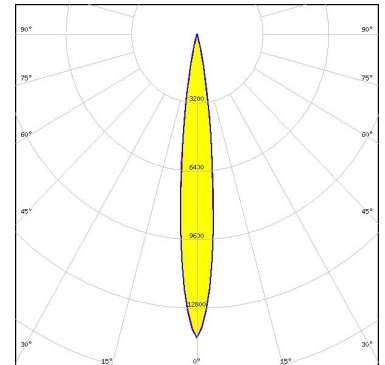
**LED** Bridgelux SMD 5050  
**FWHM / FWTM** 13.0° / 25.0°  
**Efficiency** 91 %  
**Peak intensity** 13.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



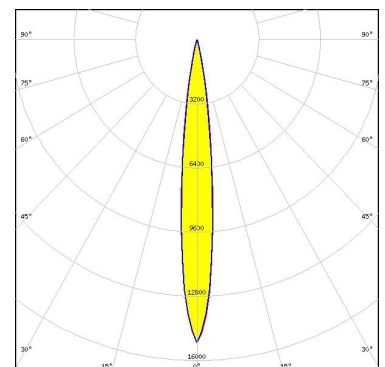
**LED** J Series 5050B 6V K Class  
**FWHM / FWTM** 12.0° / 24.0°  
**Efficiency** 90 %  
**Peak intensity** 14.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** J Series 5050C 6V E Class  
**FWHM / FWTM** 12.0° / 24.0°  
**Efficiency** 89 %  
**Peak intensity** 15.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

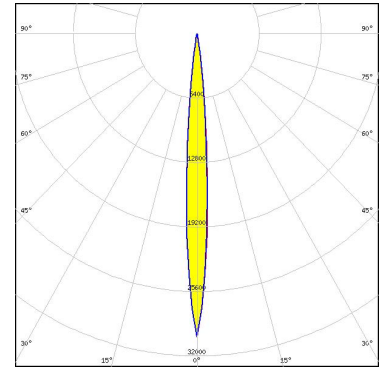


Light distribution files

### OPTICAL RESULTS (SIMULATED):



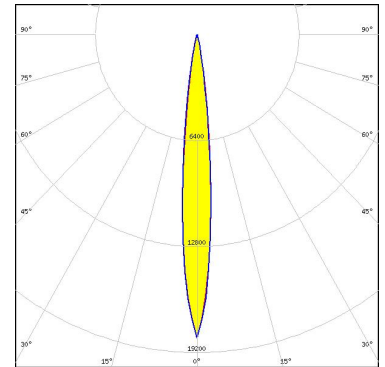
LED XD16  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 82 %  
 Peak intensity 30.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



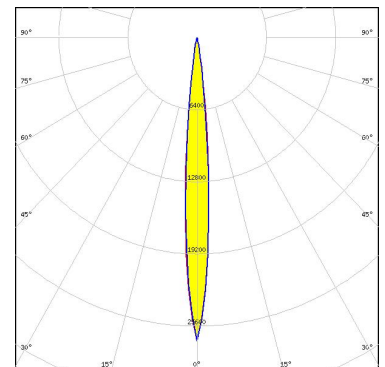
LED XHP35 HD  
 FWHM / FWTM 11.0° / 22.0°  
 Efficiency 91 %  
 Peak intensity 18.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XHP35 HI  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 90 %  
 Peak intensity 26.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

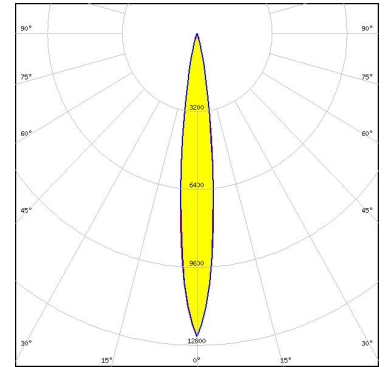


Light distribution files

### OPTICAL RESULTS (SIMULATED):



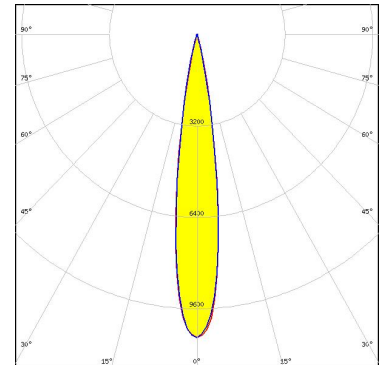
LED XHP35.2 HD  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 87 %  
 Peak intensity 12.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



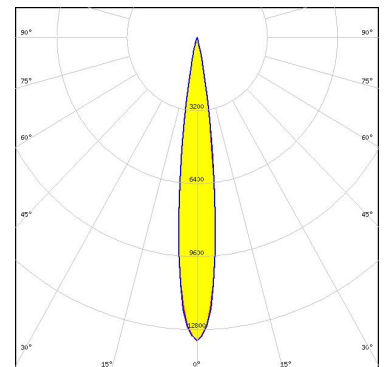
LED XHP50  
 FWHM / FWTM 16.0° / 27.0°  
 Efficiency 89 %  
 Peak intensity 10.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XHP50.3 HD  
 FWHM / FWTM 14.0° / 24.0°  
 Efficiency 87 %  
 Peak intensity 13.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

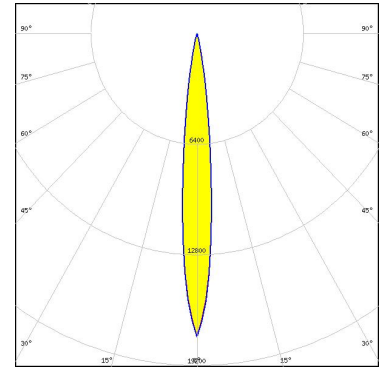


Light distribution files

### OPTICAL RESULTS (SIMULATED):



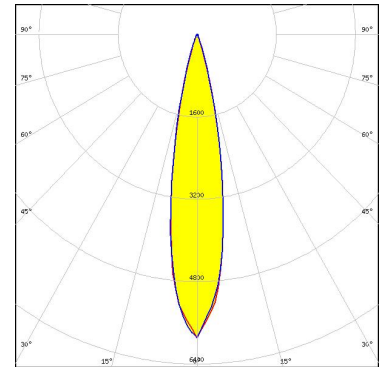
LED XHP50.3 HI  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 88 %  
Peak intensity 17.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



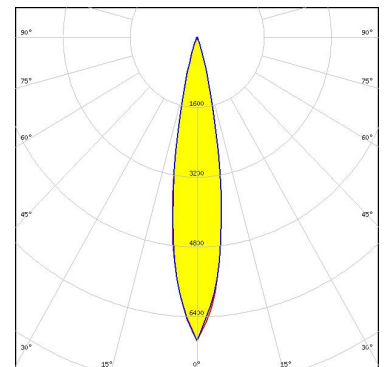
LED XHP70.2  
FWHM / FWTM 20.0° / 36.0°  
Efficiency 84 %  
Peak intensity 5.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP70.3 HD  
FWHM / FWTM 18.0° / 34.0°  
Efficiency 86 %  
Peak intensity 7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

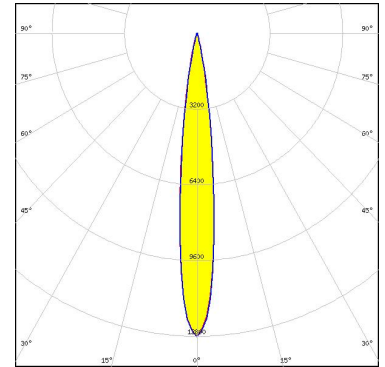


Light distribution files

### OPTICAL RESULTS (SIMULATED):



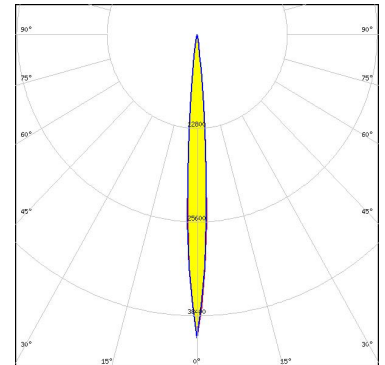
LED XHP70.3 HI  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 88 %  
 Peak intensity 12.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



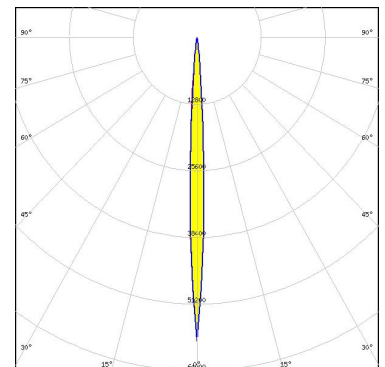
LED XP-E2  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 90 %  
 Peak intensity 41.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G4 HI  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 87 %  
 Peak intensity 58.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

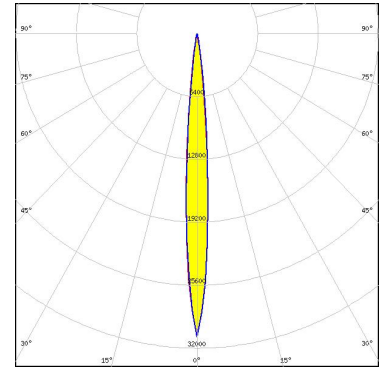


Light distribution files

### OPTICAL RESULTS (SIMULATED):



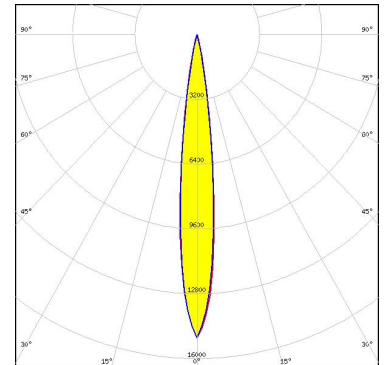
LED LUXEON 3030 2D (Round LES)  
FWHM / FWTM 8.0° / 17.0°  
Efficiency 88 %  
Peak intensity 30.9 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Round LES  
FWHM / FWTM 13.0° / 24.0°  
Efficiency 91 %  
Peak intensity 15 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



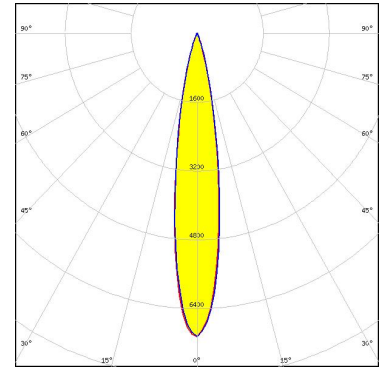
LED LUXEON 5258  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 89 %  
Peak intensity 17.8 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

### OPTICAL RESULTS (SIMULATED):



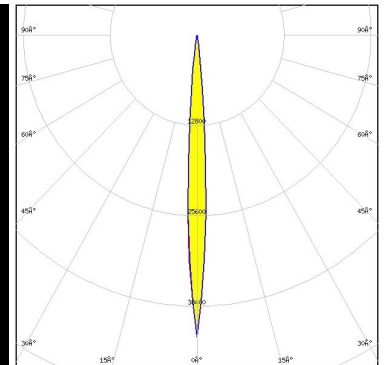
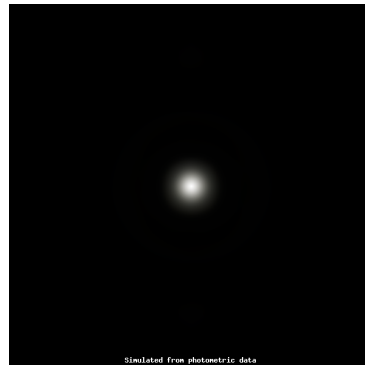
**LED** LUXEON 7070  
**FWHM / FWTM** 18.0° / 34.0°  
**Efficiency** 86 %  
**Peak intensity** 7.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



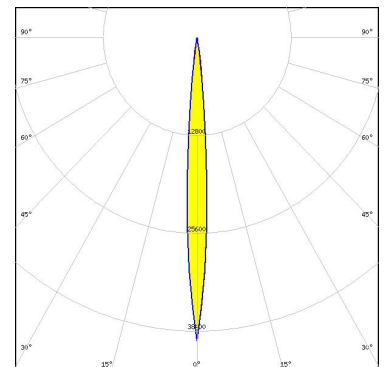
**LED** LUXEON HL4Z  
**FWHM / FWTM** 8.0° / 14.0°  
**Efficiency** 89 %  
**Peak intensity** 42.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** SFT-40-WCS  
**FWHM / FWTM** 8.0° / 16.0°  
**Efficiency** 92 %  
**Peak intensity** 39.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

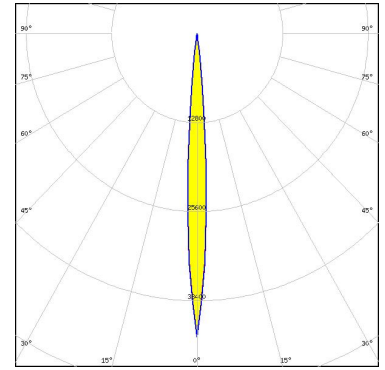


Light distribution files

### OPTICAL RESULTS (SIMULATED):



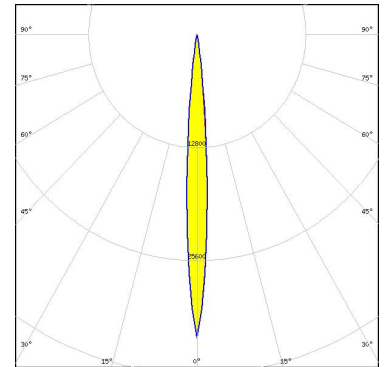
LED SST-12  
FWHM / FWTM 8.0° / 14.0°  
Efficiency 90 %  
Peak intensity 43.6 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



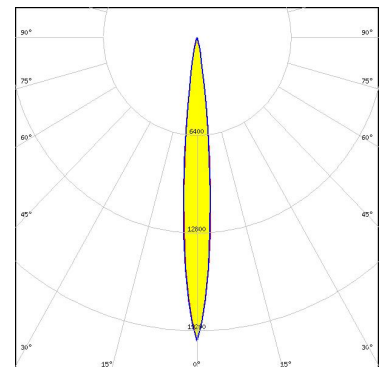
LED SST-20  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 88 %  
Peak intensity 34.3 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED SST-40  
FWHM / FWTM 10.0° / 21.0°  
Efficiency 90 %  
Peak intensity 19.9 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):

**NICHIA**

LED	NF2x757G
FWHM / FWTM	8.0° / 18.0°
Efficiency	91 %
Peak intensity	30.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

**OSRAM**  
Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	14.0° / 23.0°
Efficiency	87 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

**OSRAM**  
Opto Semiconductors

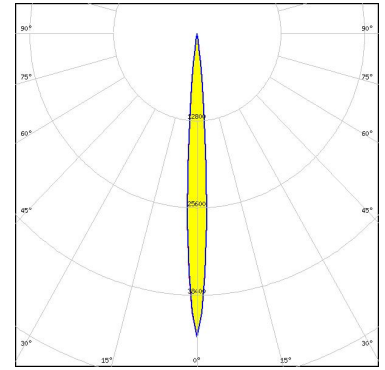
LED	OSLON Black Flat (LUW HWQP)
FWHM / FWTM	8.0° / 14.0°
Efficiency	88 %
Peak intensity	45.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

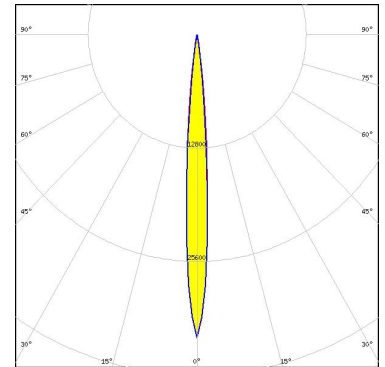
LED OSLON Black Flat S (KW HHL532.TK)  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 88 %  
 Peak intensity 44.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

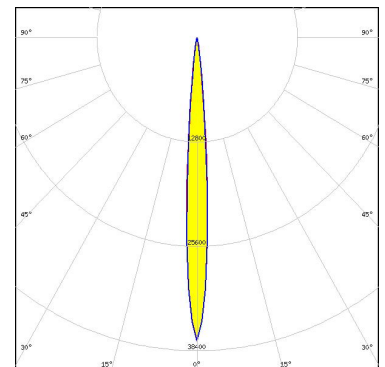
LED OSLON Black Flat S (KW2 HIL532.TK)  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 88 %  
 Peak intensity 34.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Compact PL (KW2 CFLNM2.TK)  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 89 %  
 Peak intensity 37.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

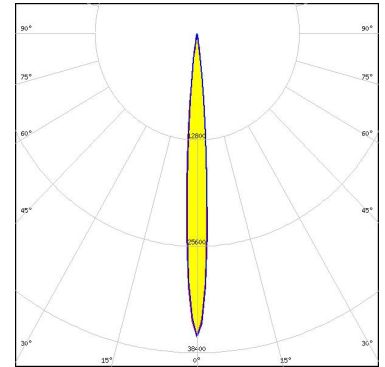


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

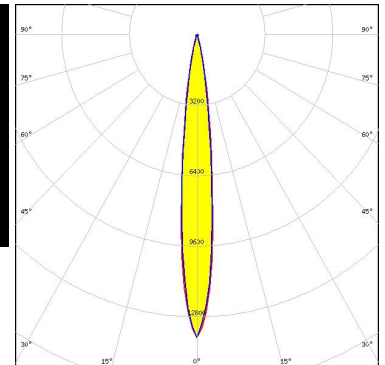
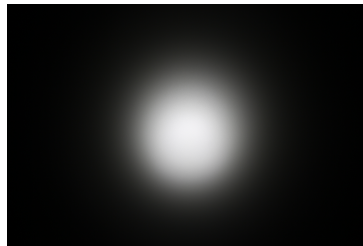
LED OSLON Square CSSRM2/CSSRM3  
FWHM / FWTM 7.9° / 16.0°  
Efficiency 89 %  
Peak intensity 36.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

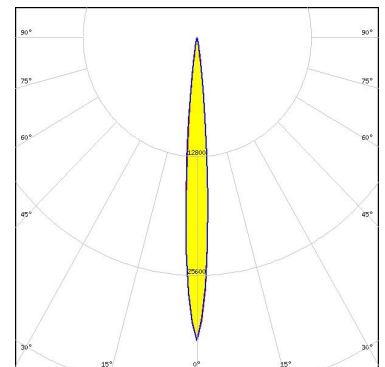
LED OSLON Square Flat  
FWHM / FWTM 12.0° / 25.0°  
Efficiency 87 %  
Peak intensity 13.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4715AS  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 89 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:

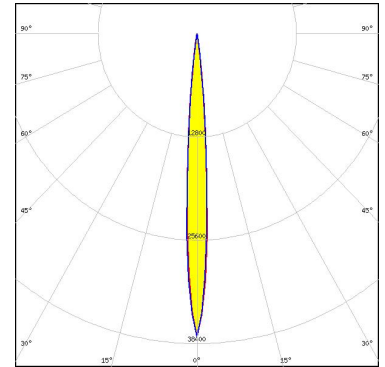


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

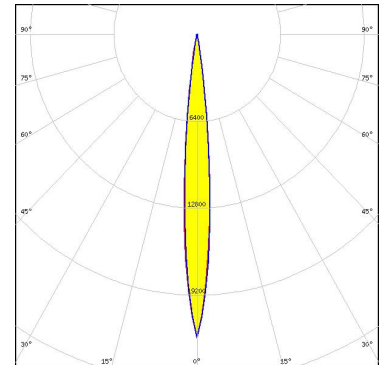
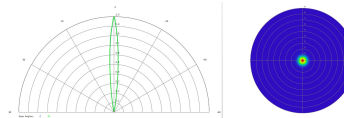
LED SFH 4716AS  
FWHM / FWTM 8.0° / 15.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

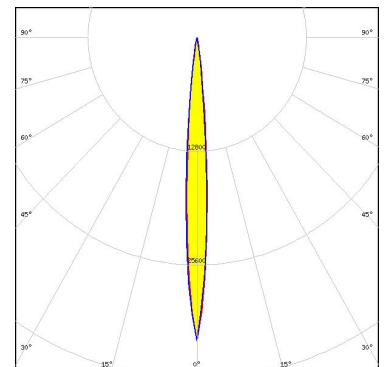
LED SFH 4717AS  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 87 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

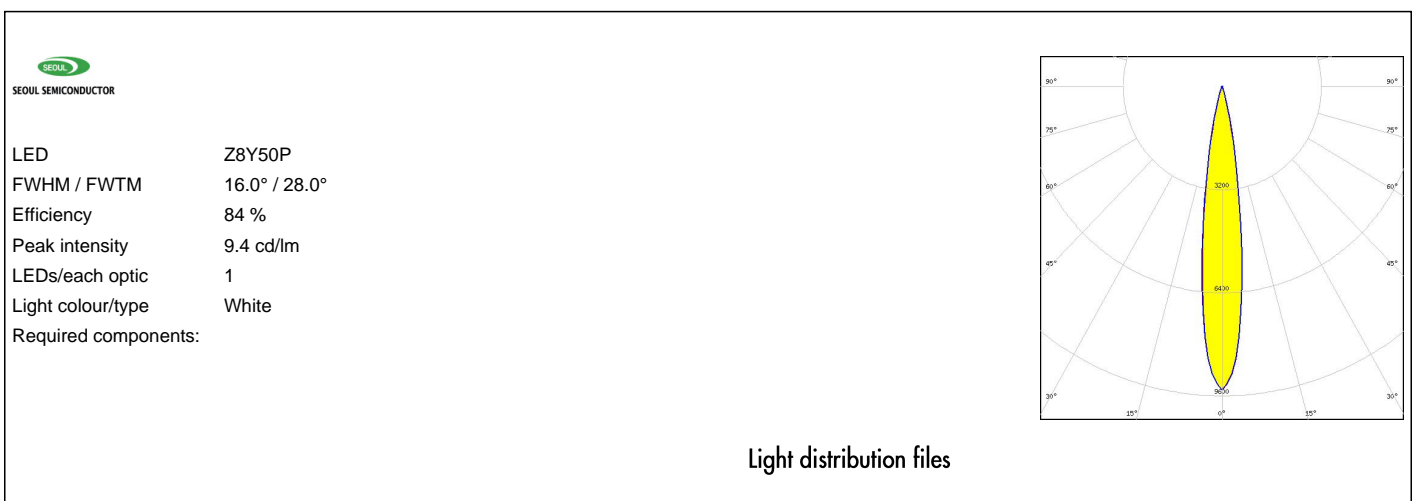
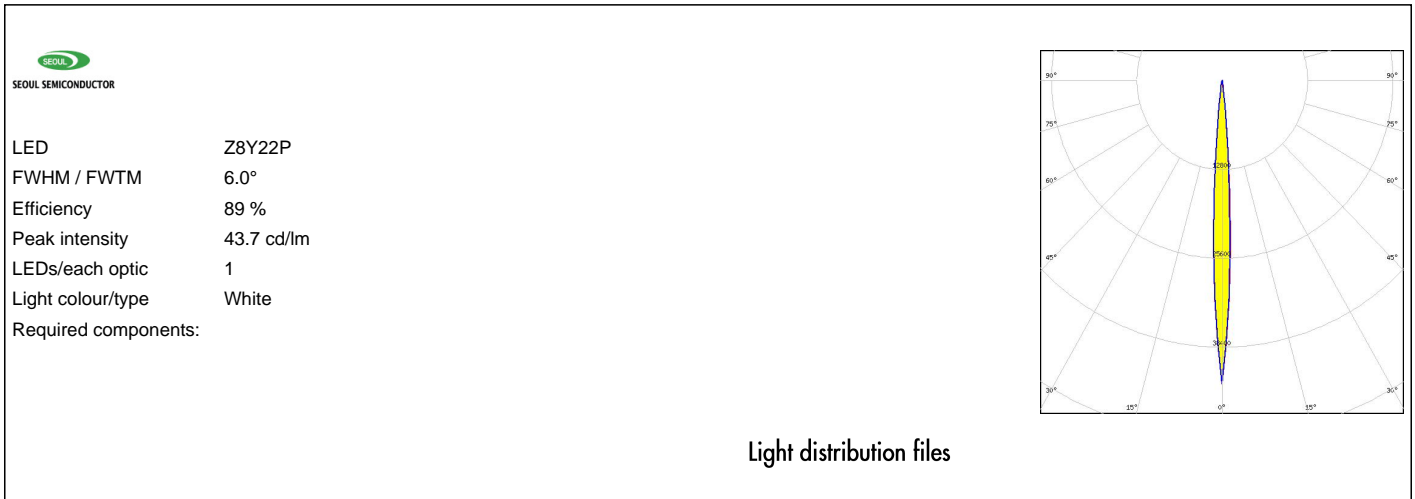
**OSRAM**  
Opto Semiconductors

LED SFH 4770S  
FWHM / FWTM 8.1° / 16.6°  
Efficiency 91 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour/type IR  
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.

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