

## G2-LXP2-D-P

~14° diffused spot beam with light, black holder.  
Assembly with location pins and installation  
tape.

## SPECIFICATION:

Dimensions	Ø 21.8 mm
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

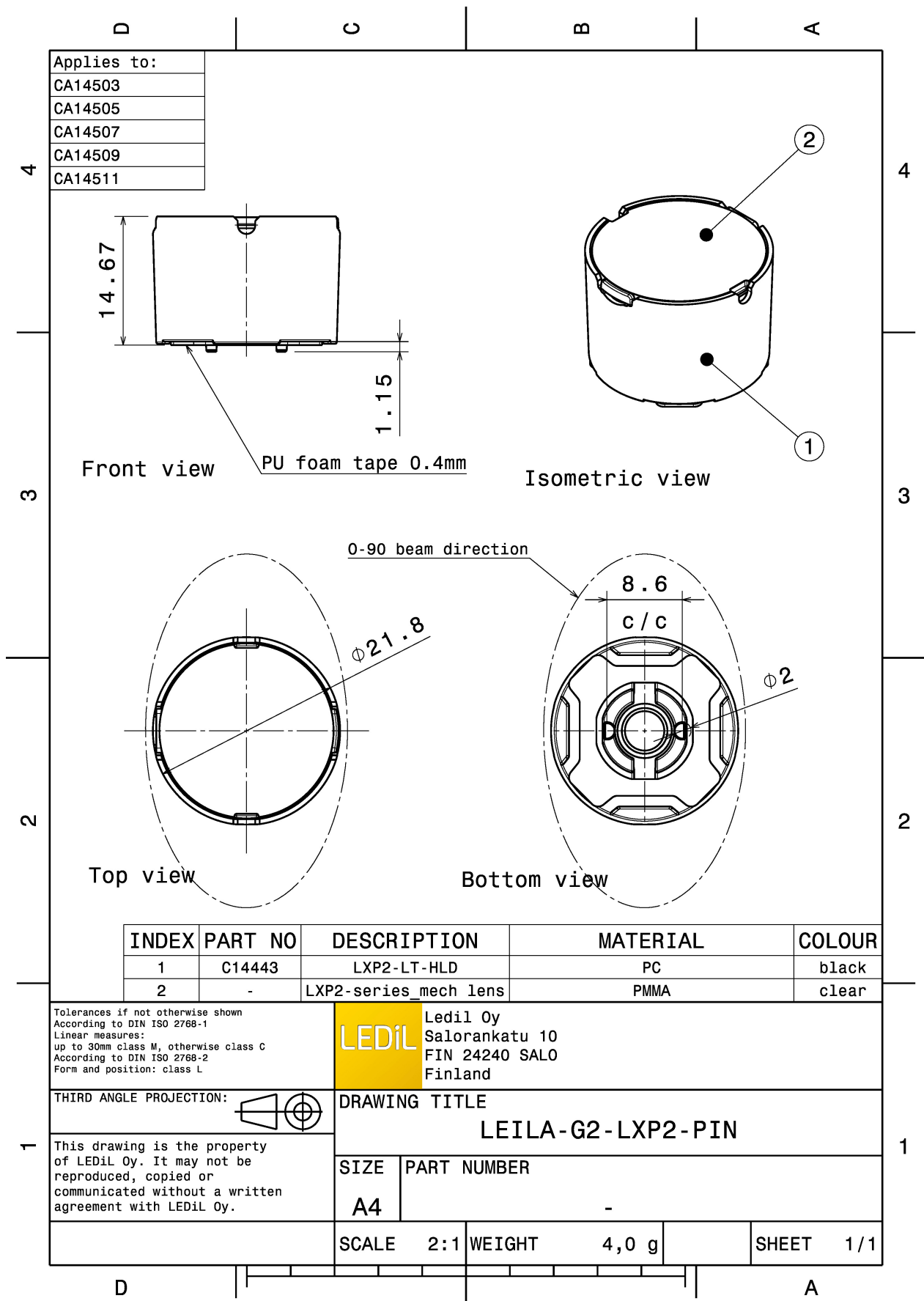


## MATERIALS:

Component	Type	Material	Colour	Finish	Length
LXP2-D	Single lens	PMMA	clear		21.6
LXP2-LT-HLD	Holder	PC	black		21.6
HEIDI-TAPE	Tape	Acrylic foam	black		

## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA14507_G2-LXP2-D-P » Box size: 480 x 280 x 300 mm	1680		112	8.3

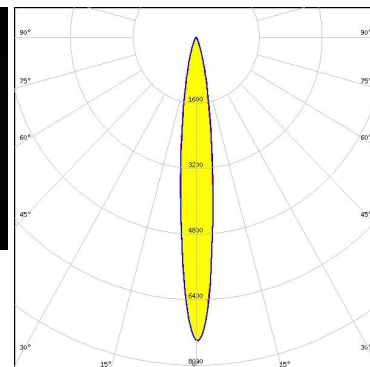


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



LED XD16  
 FWHM / FWTM 13.0° / 32.0°  
 Efficiency 78 %  
 Peak intensity 7.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



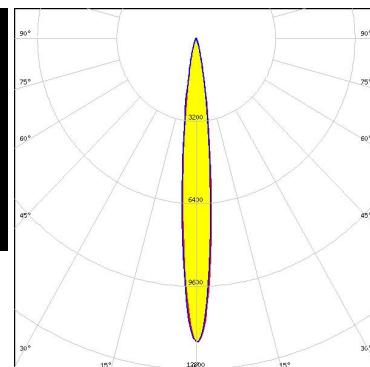
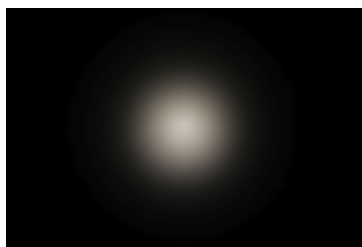
Light distribution files



LED XP-E  
 FWHM / FWTM 9.7° / 22.0°  
 Efficiency 88 %  
 Peak intensity 19.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



LED XQ-E HD  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 85 %  
 Peak intensity 11.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

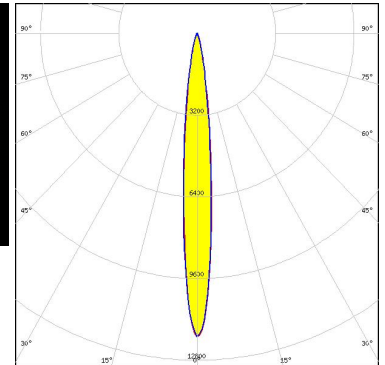
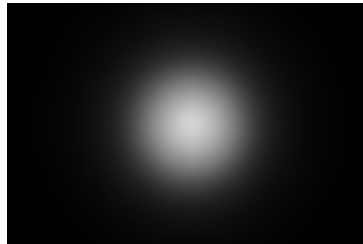


Light distribution files

#### OPTICAL RESULTS (MEASURED):



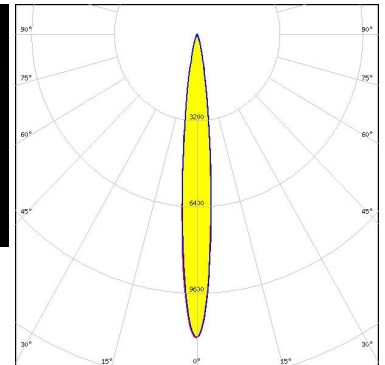
LED XQ-E HI  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 84 %  
 Peak intensity 12 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



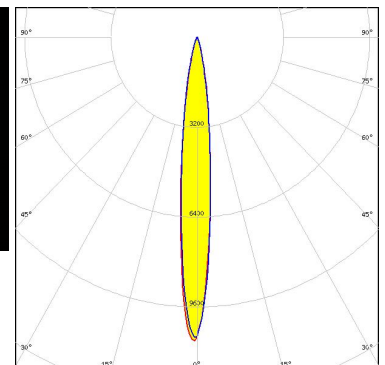
LED LUXEON C  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 80 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON CZ  
 FWHM / FWTM 12.0° / 28.0°  
 Efficiency 86 %  
 Peak intensity 10.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



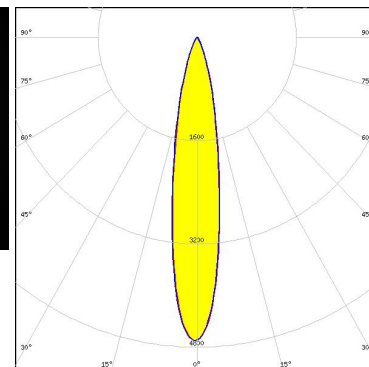
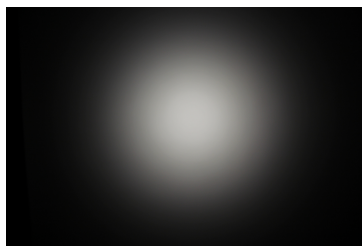
Light distribution files



#### OPTICAL RESULTS (MEASURED):



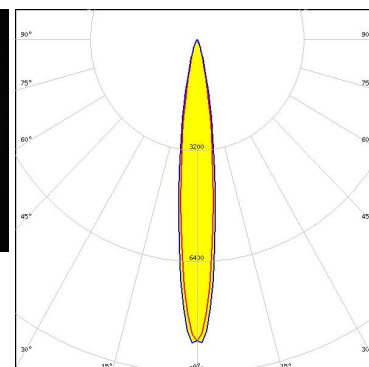
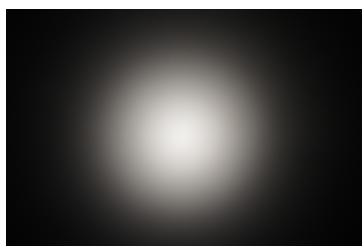
LED LUXEON V  
FWHM / FWTM 18.0° / 41.0°  
Efficiency 83 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



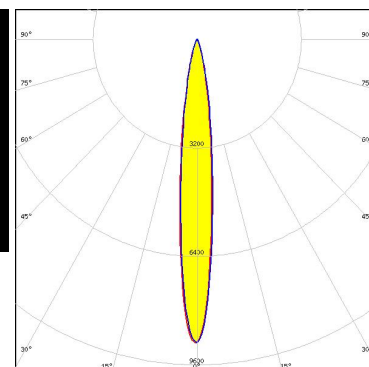
LED LUXEON Z ES  
FWHM / FWTM 14.0° / 31.0°  
Efficiency 83 %  
Peak intensity 8.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NCSxx19A  
FWHM / FWTM 13.0° / 30.0°  
Efficiency 86 %  
Peak intensity 9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

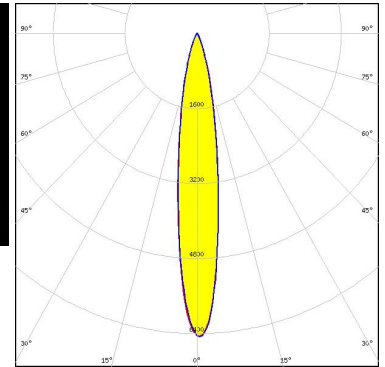


Light distribution files

#### OPTICAL RESULTS (MEASURED):



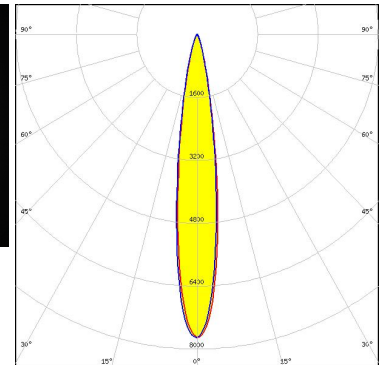
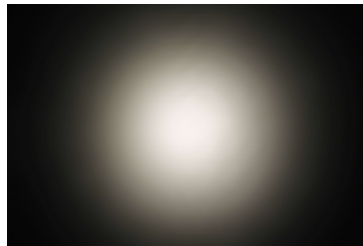
LED NF2x757G  
 FWHM / FWTM 16.0° / 37.0°  
 Efficiency 88 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



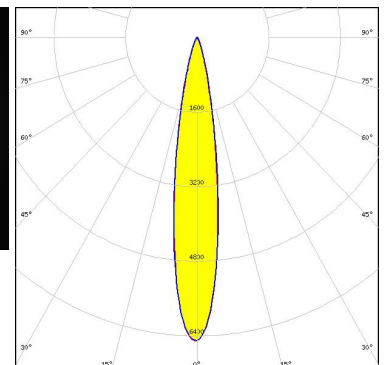
LED NVSW219F  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 87 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW319B  
 FWHM / FWTM 17.0° / 35.0°  
 Efficiency 87 %  
 Peak intensity 6.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

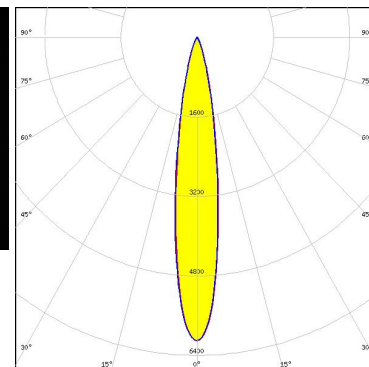


Light distribution files

#### OPTICAL RESULTS (MEASURED):



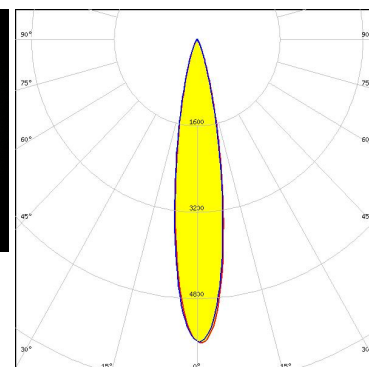
LED NVSW3x9A  
 FWHM / FWTM 17.0° / 36.0°  
 Efficiency 81 %  
 Peak intensity 6.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



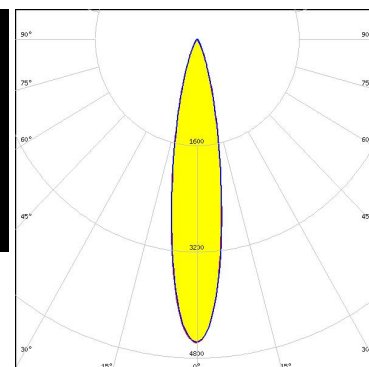
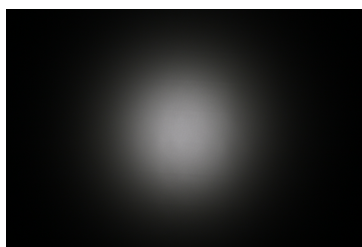
LED NVSW519A  
 FWHM / FWTM 19.0° / 38.0°  
 Efficiency 86 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NWSx229A  
 FWHM / FWTM 29.0° / 42.0°  
 Efficiency 83 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

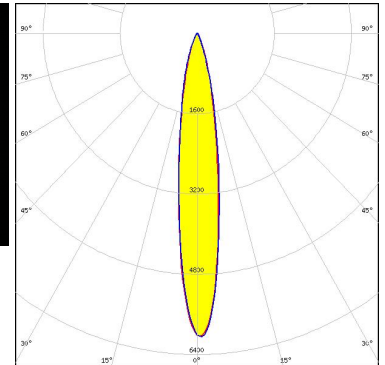
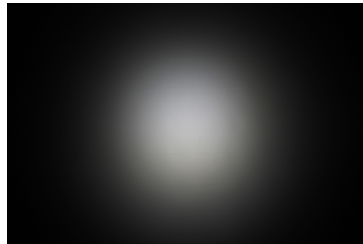


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

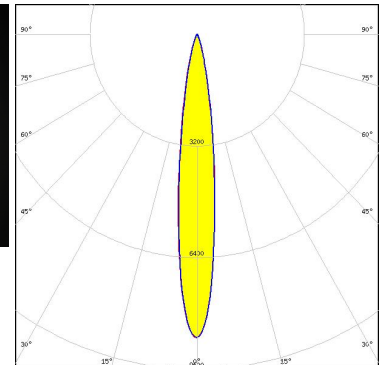
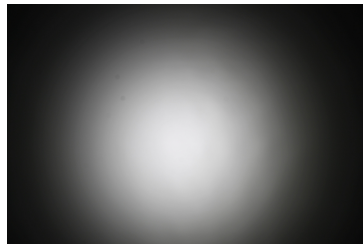
LED Duris S5 (Single chip)  
FWHM / FWTM 16.0° / 38.0°  
Efficiency 86 %  
Peak intensity 6.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

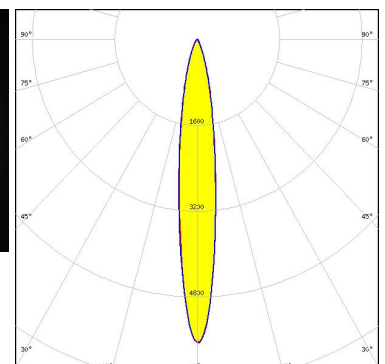
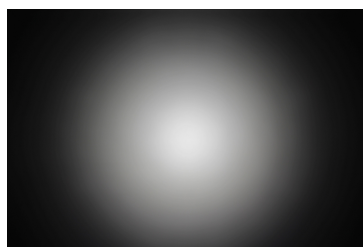
LED OSLOM Square CSSRM2/CSSRM3  
FWHM / FWTM 14.0° / 31.0°  
Efficiency 88 %  
Peak intensity 8.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH181A  
FWHM / FWTM 15.0° / 37.0°  
Efficiency 78 %  
Peak intensity 5.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

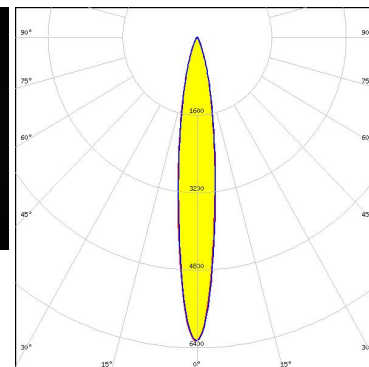
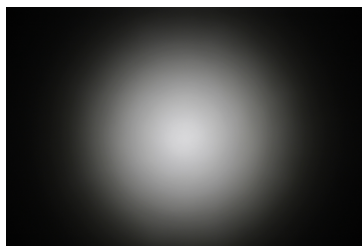


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

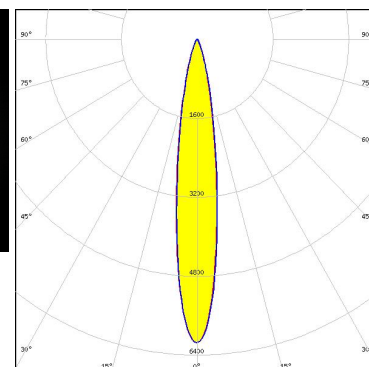
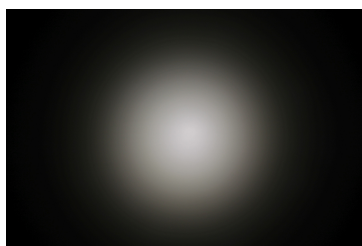
LED LH181B  
 FWHM / FWTM 15.0° / 37.0°  
 Efficiency 82 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



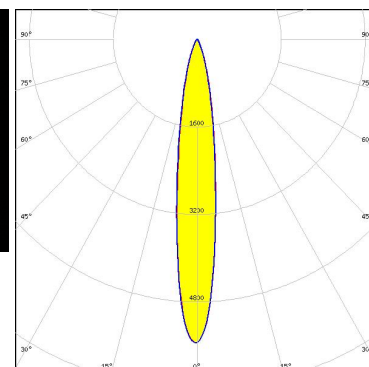
LED Z5M3  
 FWHM / FWTM 16.0° / 36.0°  
 Efficiency 84 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Z8Y22P  
 FWHM / FWTM 15.0° / 37.0°  
 Efficiency 78 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

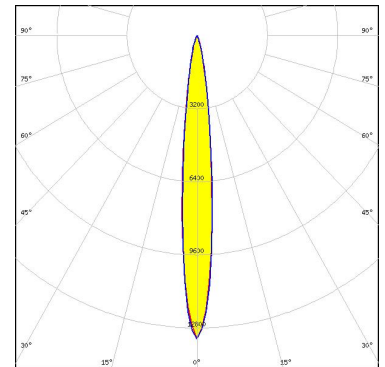


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



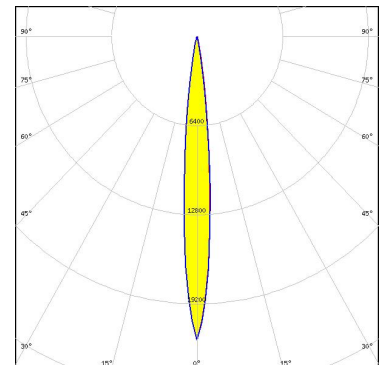
LED J Series 2835  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 93 %  
Peak intensity 13.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



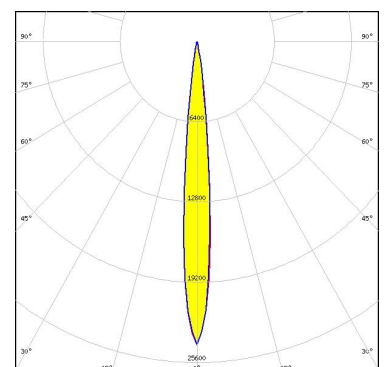
LED XP-E2  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 92 %  
Peak intensity 21.8 cd/lm  
LEDs/each optic 1  
Light colour/type Amber  
Required components:



Light distribution files



LED XP-G2  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 94 %  
Peak intensity 24.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

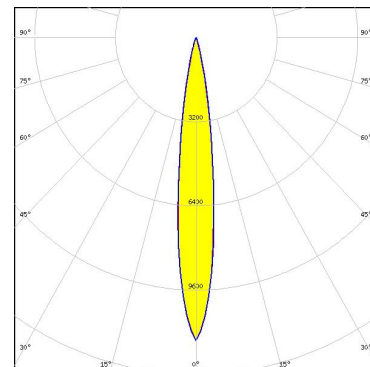


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



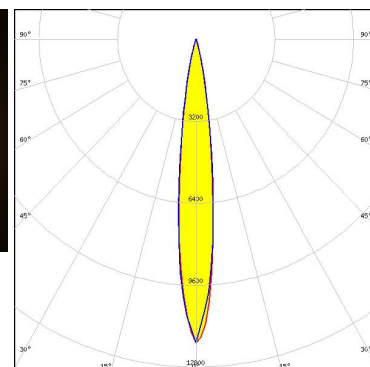
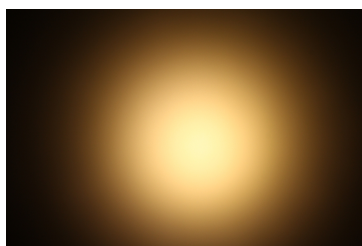
LED XP-G2 HE  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 11.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



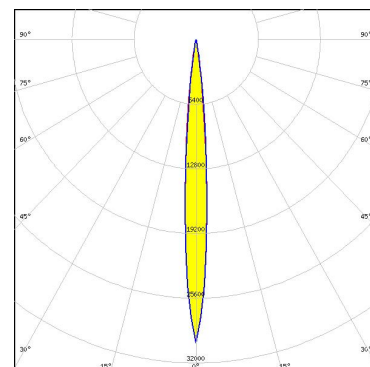
LED XP-G3  
 FWHM / FWTM 14.0° / 27.0°  
 Efficiency 91 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-P  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 93 %  
 Peak intensity 30 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



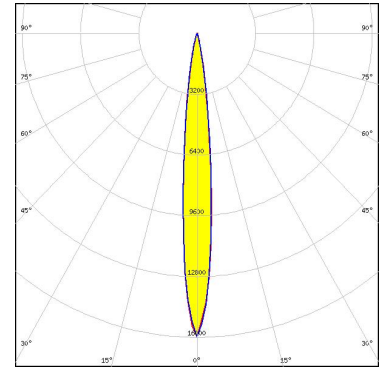
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



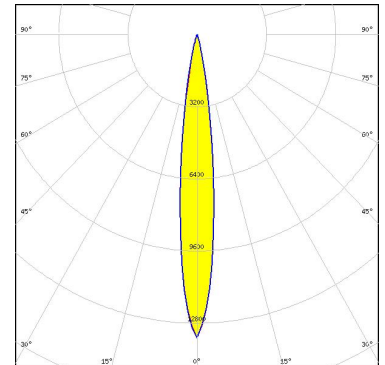
LED XT-E  
 FWHM / FWTM 11.0° / 23.0°  
 Efficiency 90 %  
 Peak intensity 16 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2X  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 93 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

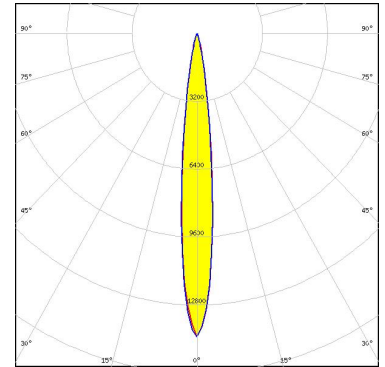


LED LUXEON IR Compact  
 FWHM / FWTM 8.0° / 17.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

#### OPTICAL RESULTS (SIMULATED):



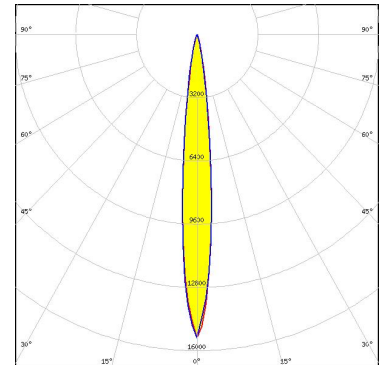
LED LUXEON T  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 93 %  
Peak intensity 14.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



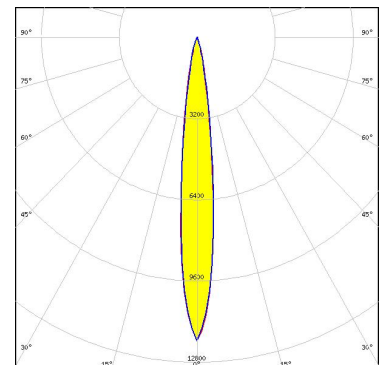
LED LUXEON TX  
FWHM / FWTM 11.0° / 24.0°  
Efficiency 92 %  
Peak intensity 15.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 13.0° / 27.0°  
Efficiency 89 %  
Peak intensity 12 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

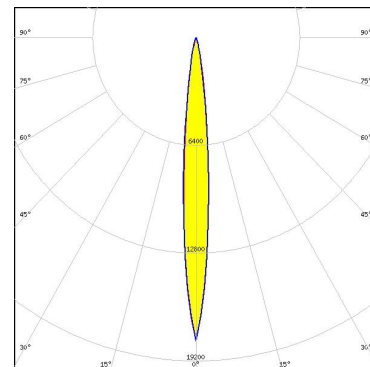


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

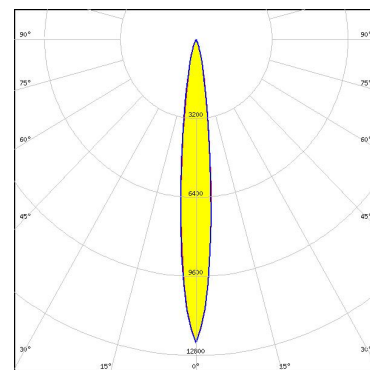
LED OSCONIQ P 3030  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 92 %  
Peak intensity 18 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

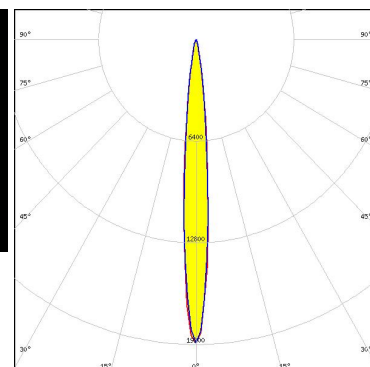
LED OSCONIQ P 3737 Flat  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 93 %  
Peak intensity 12.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square Flat  
FWHM / FWTM 9.4° / 20.0°  
Efficiency 91 %  
Peak intensity 19.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

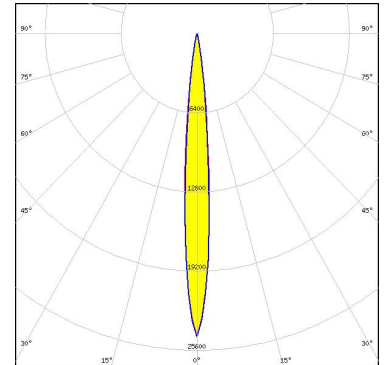


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

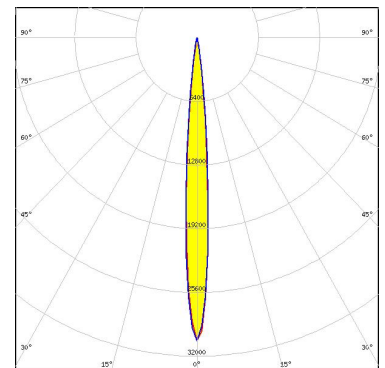
LED OSLON SSL 150  
FWHM / FWTM 10.0° / 19.0°  
Efficiency 93 %  
Peak intensity 24.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

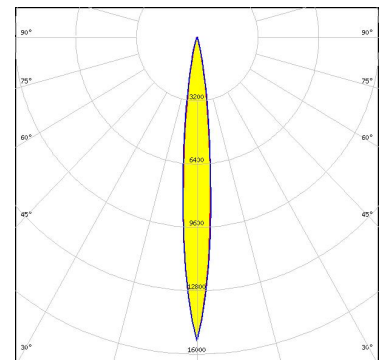
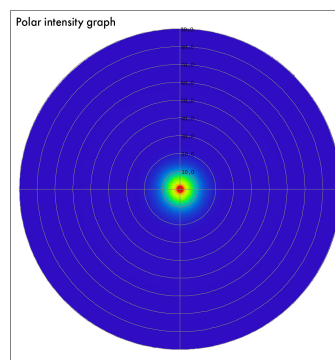
LED OSLON SSL 80  
FWHM / FWTM 8.3° / 17.0°  
Efficiency 92 %  
Peak intensity 30.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4715AS  
FWHM / FWTM 11.0° / 24.0°  
Efficiency 92 %  
Peak intensity 15.8 cd/lm  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

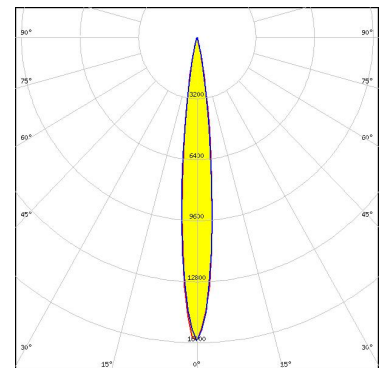
#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED SFH 4770S  
FWHM / FWTM 9.0° / 26.0°  
Efficiency 85 %  
LEDs/each optic 1  
Light colour/type White  
Required components:

**SAMSUNG**

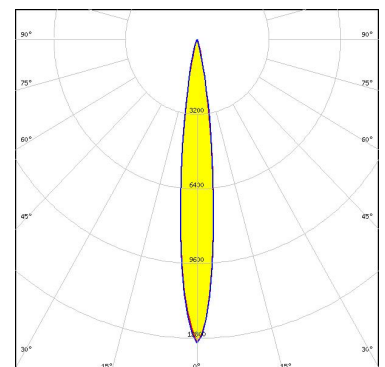
LED LH351A  
FWHM / FWTM 11.0° / 23.0°  
Efficiency 91 %  
Peak intensity 15.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH351B  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 92 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

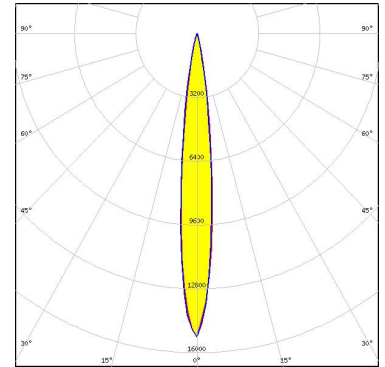


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



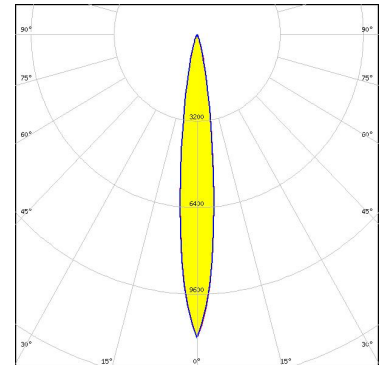
LED Z5M1/Z5M2  
 FWHM / FWTM 12.0° / 23.0°  
 Efficiency 93 %  
 Peak intensity 15.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



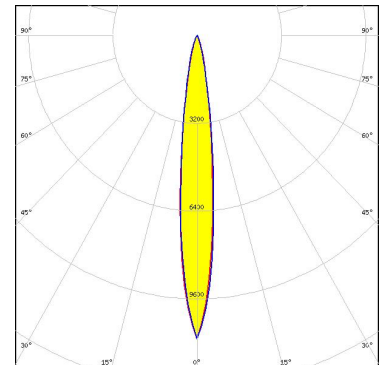
LED Z5M3  
 FWHM / FWTM 14.0° / 28.0°  
 Efficiency 93 %  
 Peak intensity 11.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



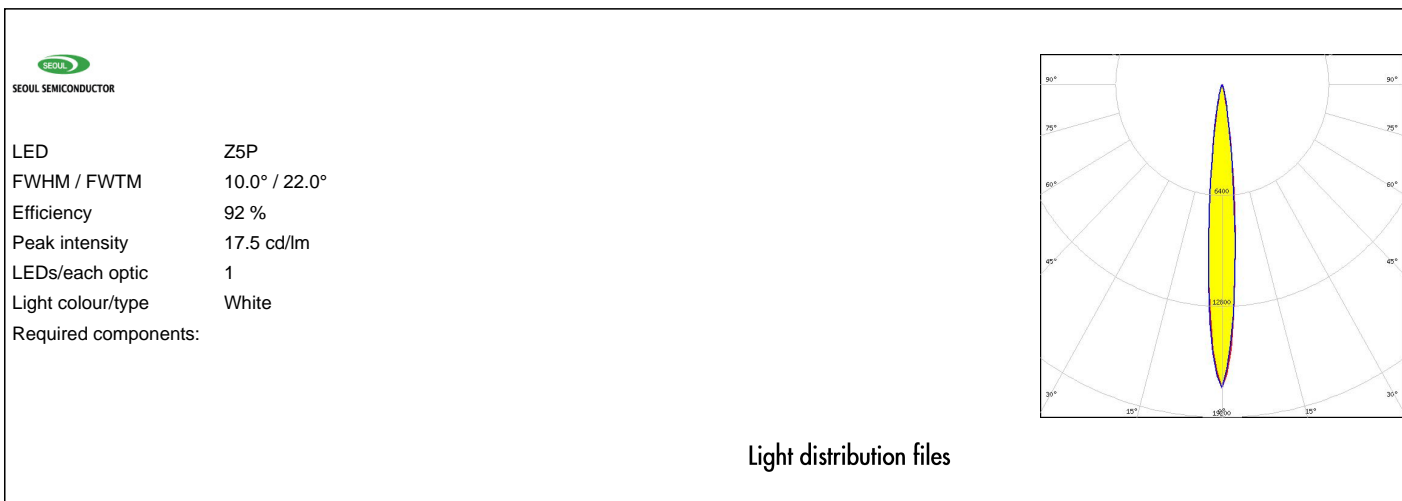
Light distribution files



LED Z5M4  
 FWHM / FWTM 13.0° / 30.0°  
 Efficiency 94 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



## 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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