

## FLARE-MINI-A-PIN

~100° x 20° oval beam. Assembly with location pins and installation tape.

### SPECIFICATION:

Dimensions	Ø 16.0
Height	9.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

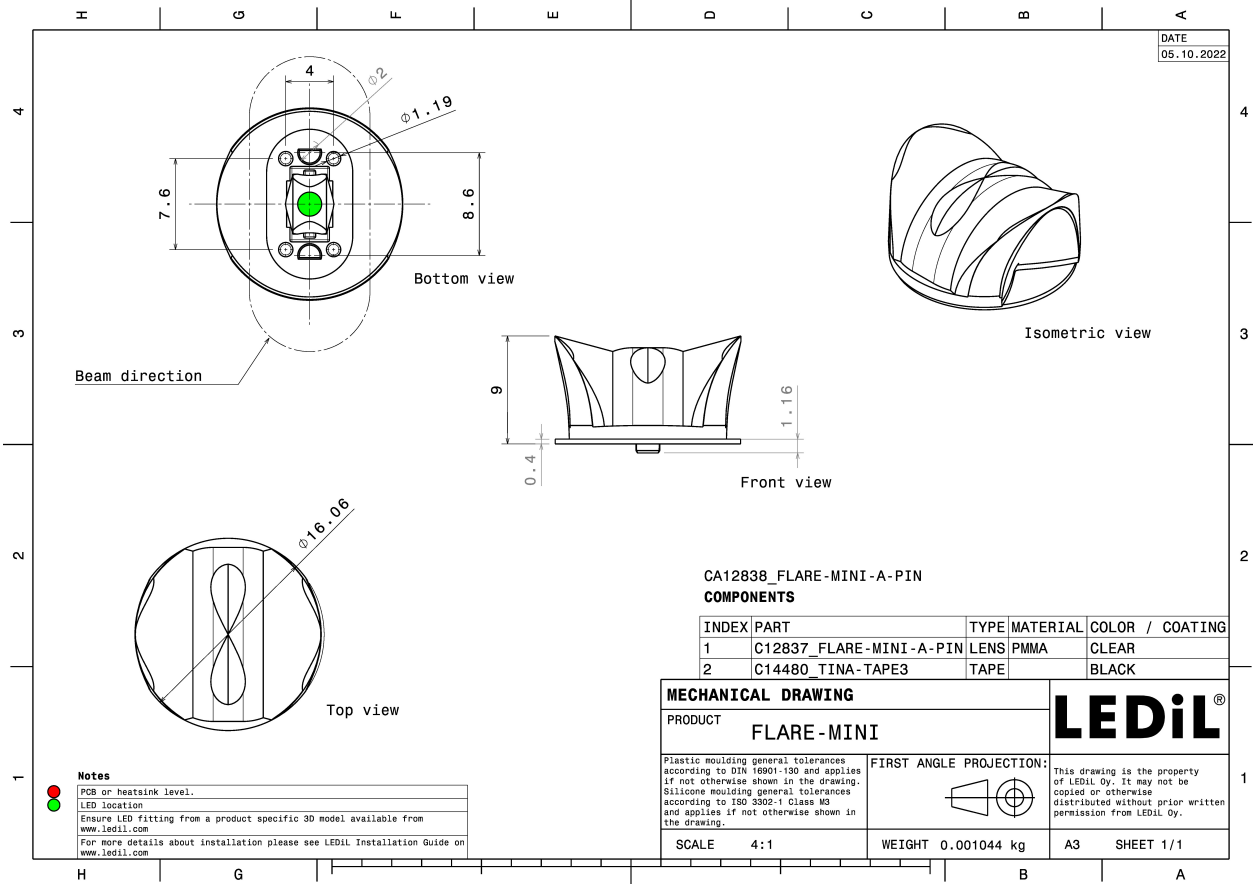


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLARE-MINI-A-PIN	Single lens	PMMA	clear		
TINA-TAPE3	Tape	Acrylic foam tape	black		

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12838_FLARE-MINI-A-PIN	Single lens	4600	230	230	7.4
» Box size: 460 x 250 x 300 mm					

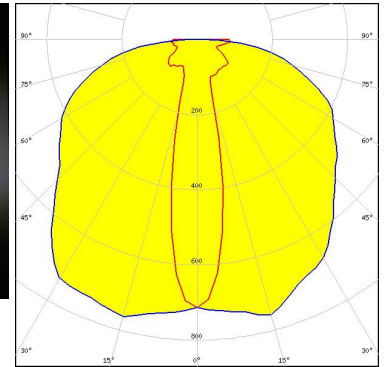
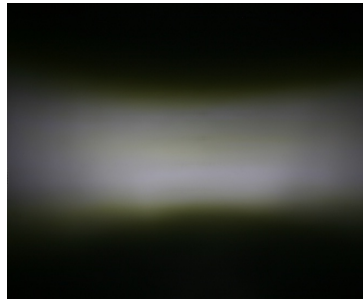


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



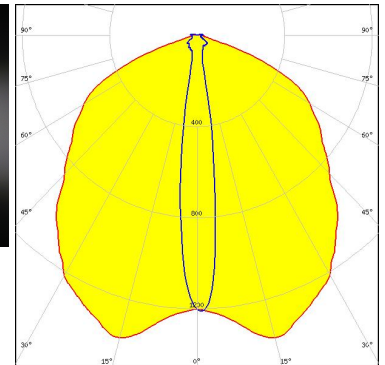
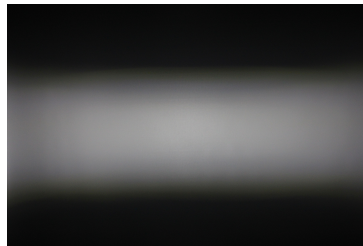
**LED** XB-D  
**FWHM / FWTM** 130.0 + 21.0° / 119.0 + 172.0°  
**Efficiency** 94 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



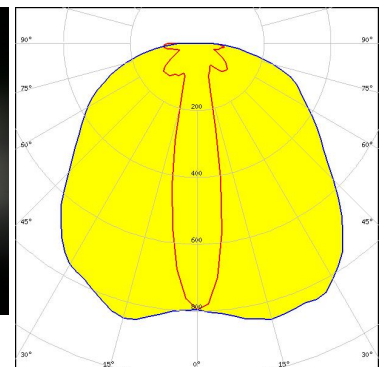
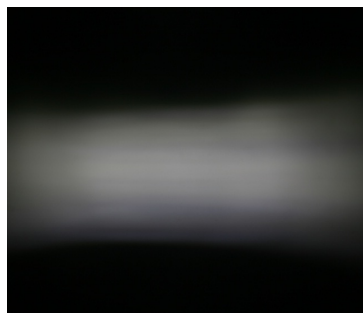
**LED** XD16  
**FWHM / FWTM** 108.0 + 15.0° / 146.0 + 24.0°  
**Efficiency** 92 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-E  
**FWHM / FWTM** 113.0 + 20.0° / 122.0 + 171.0°  
**Efficiency** 94 %  
**Peak intensity** 0.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

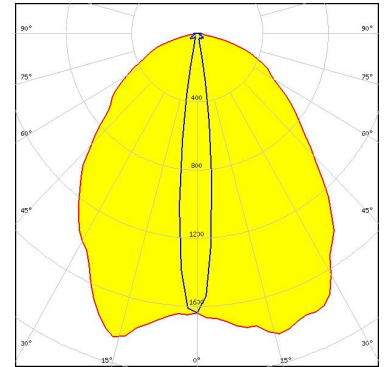


Light distribution files

#### OPTICAL RESULTS (MEASURED):



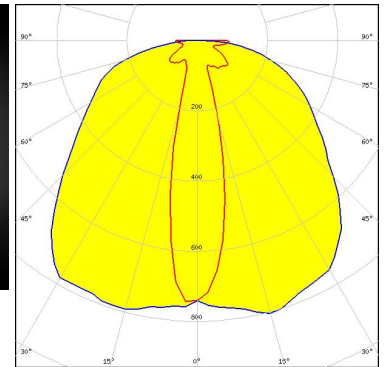
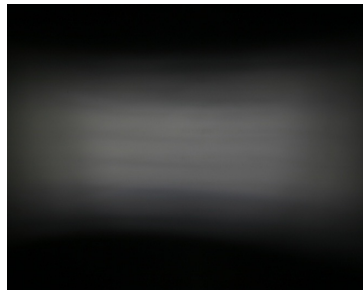
LED XP-E2  
 FWHM / FWTM 93.0 + 14.0° / 150.0 + 24.0°  
 Efficiency 94 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



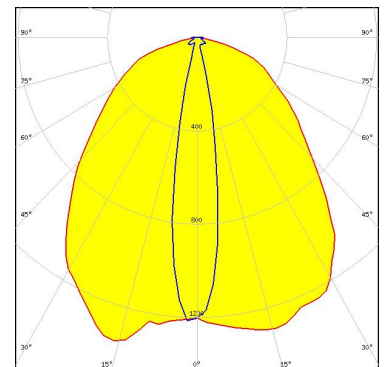
LED XP-G  
 FWHM / FWTM 114.0 + 22.0° / 120.0 + 158.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-G2  
 FWHM / FWTM 94.0 + 19.0° / 152.0 + 31.0°  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

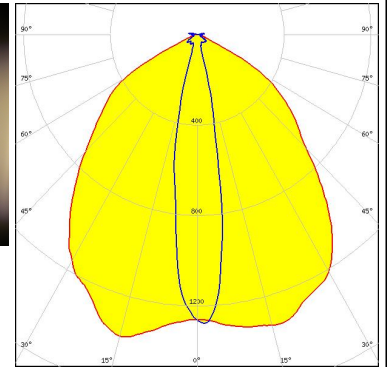


Light distribution files

#### OPTICAL RESULTS (MEASURED):



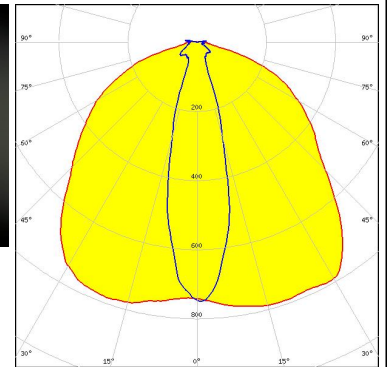
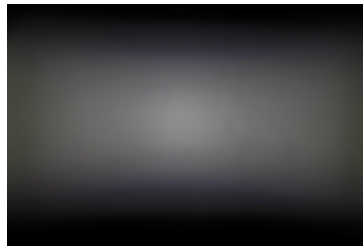
**LED** XP-G4  
**FWHM / FWTM** 92.0 + 19.0° / 129.0 + 32.0°  
**Efficiency** 96 %  
**Peak intensity** 1.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



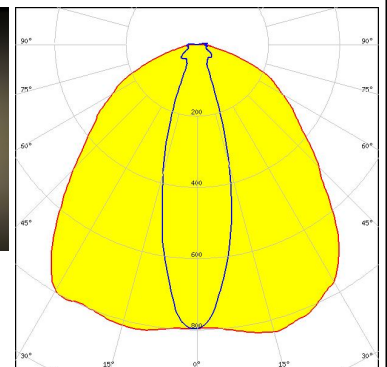
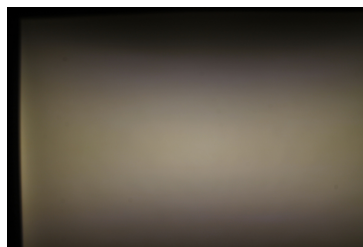
**LED** XP-L HD  
**FWHM / FWTM** 109.0 + 26.0° / 152.0 + 43.0°  
**Efficiency** 91 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-L2  
**FWHM / FWTM** 100.0 + 28.0° / 153.0 + 49.0°  
**Efficiency** 94 %  
**Peak intensity** 0.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

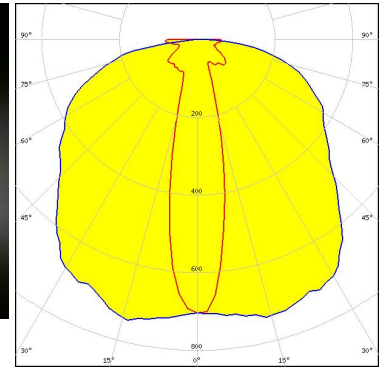
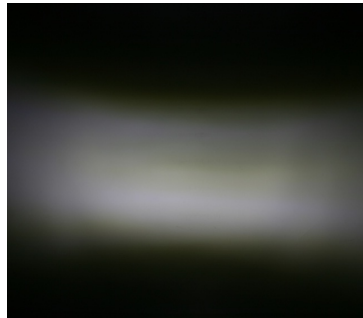


Light distribution files

#### OPTICAL RESULTS (MEASURED):



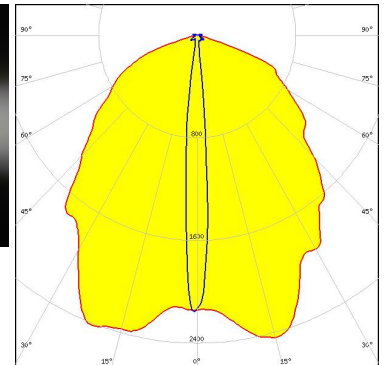
**LED** XT-E  
**FWHM / FWTM** 124.0 + 22.0° / 119.0 + 173.0°  
**Efficiency** 94 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



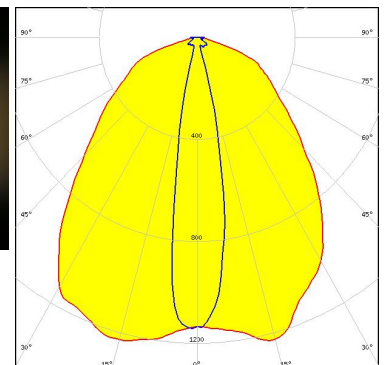
**LED** LUXEON CZ  
**FWHM / FWTM** 105.0 + 9.0° / 145.0 + 16.0°  
**Efficiency** 94 %  
**Peak intensity** 2.4 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** LUXEON T  
**FWHM / FWTM** 95.0 + 19.0° / 30.0 + 148.0°  
**Efficiency** 93 %  
**Peak intensity** 1.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

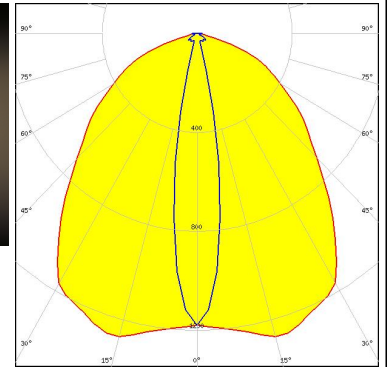
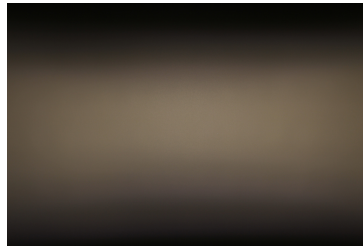


Light distribution files

#### OPTICAL RESULTS (MEASURED):



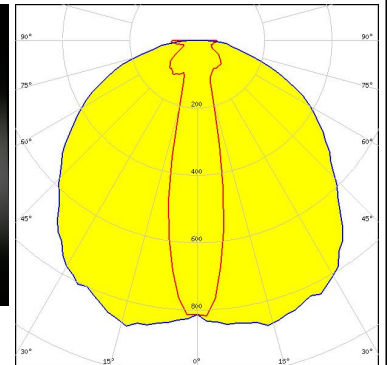
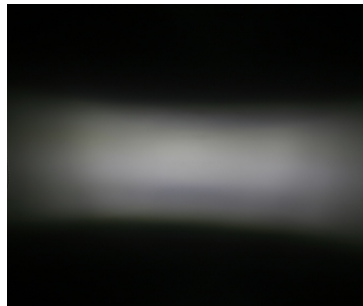
**LED** LUXEON TX  
**FWHM / FWTM** 93.0 + 19.0° / 145.0 + 31.0°  
**Efficiency** 94 %  
**Peak intensity** 1.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



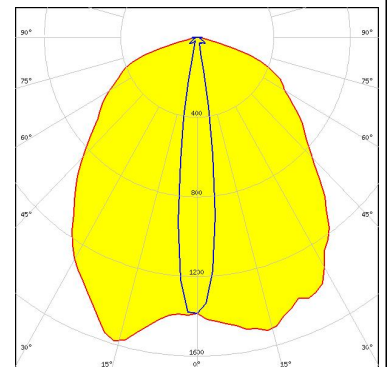
**LED** NCSxx19A  
**FWHM / FWTM** 112.0 + 20.0° / 104.0 + 167.0°  
**Efficiency** 94 %  
**Peak intensity** 0.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NCSxx19B  
**FWHM / FWTM** 95.0 + 15.0° / 151.0 + 27.0°  
**Efficiency** 94 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

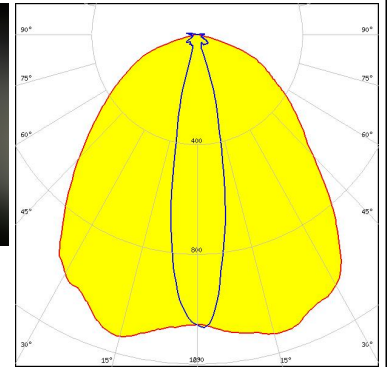
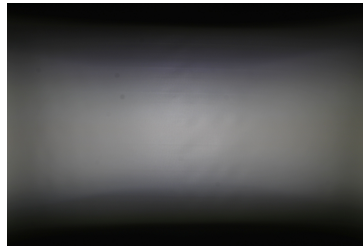


Light distribution files

#### OPTICAL RESULTS (MEASURED):



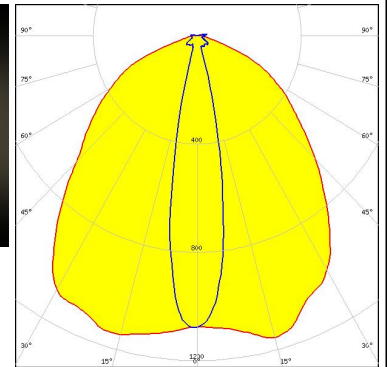
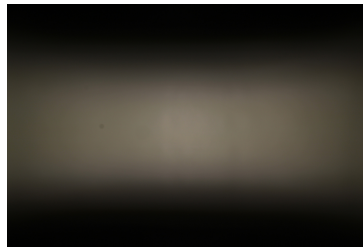
LED NVSW219F  
 FWHM / FWTM 99.0 + 21.0° / 149.0 + 35.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



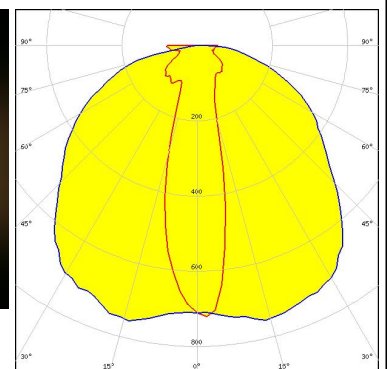
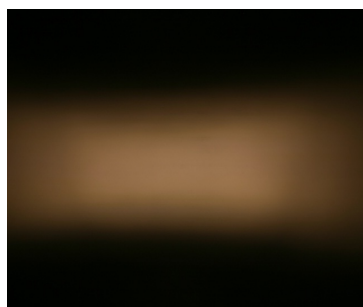
LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 101.0 + 20.0° / 145.0 + 32.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSLOM Square PC  
 FWHM / FWTM 116.0 + 22.0° / 114.0 + 172.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



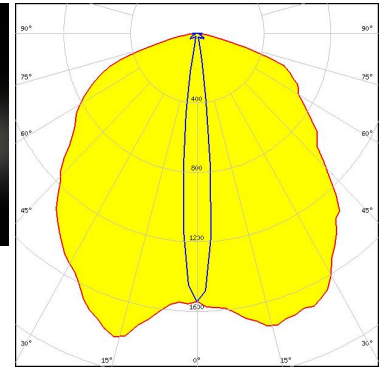
Light distribution files



#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

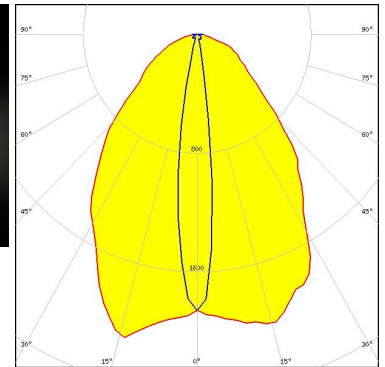
LED OSLON SSL 150  
 FWHM / FWTM 106.0 + 11.0° / 22.0 + 152.0°  
 Efficiency 93 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

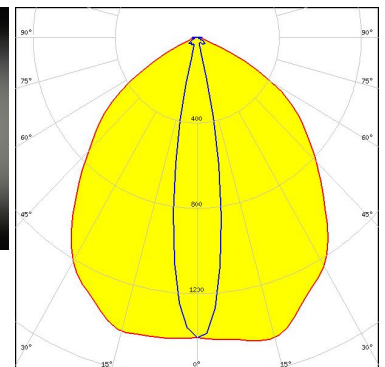
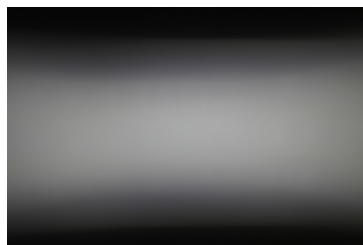
LED OSLON SSL 80  
 FWHM / FWTM 84.0 + 12.0° / 23.0 + 144.0°  
 Efficiency 93 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



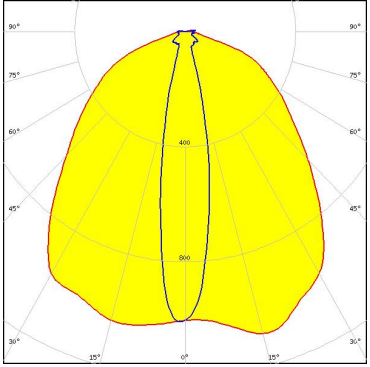
**SAMSUNG**



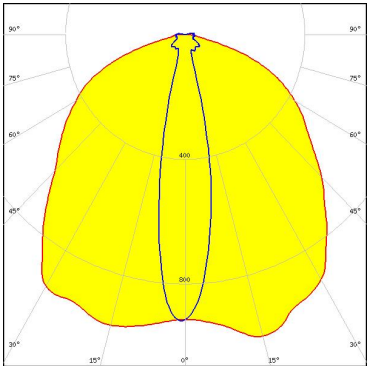
LED LH351Z  
 FWHM / FWTM 95.0 + 19.0° / 133.0 + 31.0°  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### OPTICAL RESULTS (MEASURED):

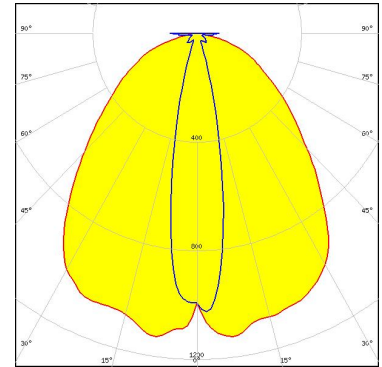
 <small>SEOUL SEMICONDUCTOR</small>			
LED	Z5M3		
FWHM / FWTM	102.0 + 20.0° / 149.0 + 37.0°		
Efficiency	94 %		
Peak intensity	1.1 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:		<p>Light distribution files</p>	

 <small>SEOUL SEMICONDUCTOR</small>			
LED	Z8Y22P		
FWHM / FWTM	115.0 + 21.0° / 154.0 + 34.0°		
Efficiency	94 %		
Peak intensity	1 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:		<p>Light distribution files</p>	

#### OPTICAL RESULTS (SIMULATED):



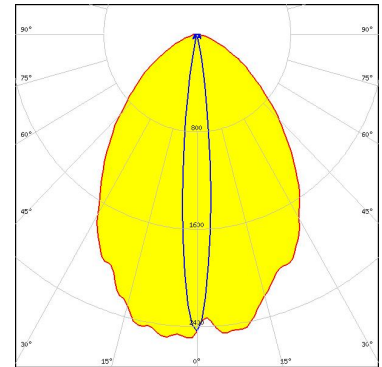
**LED** XP-G3  
**FWHM / FWTM** 93.0 + 20.0° / 150.0 + 37.0°  
**Efficiency** 94 %  
**Peak intensity** 1.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



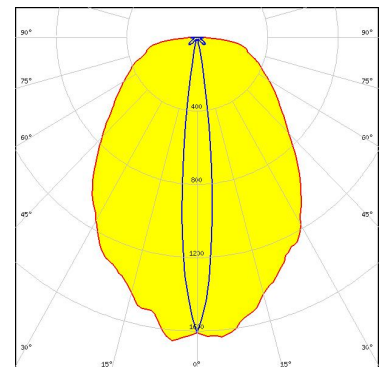
**LED** XQ-E HD  
**FWHM / FWTM** 78.0 + 11.0° / 131.0 + 21.0°  
**Efficiency** 95 %  
**Peak intensity** 2.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** LUXEON C  
**FWHM / FWTM** 11.0 + 84.0° / 21.0 + 168.0°  
**Efficiency** 92 %  
**Peak intensity** 1.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

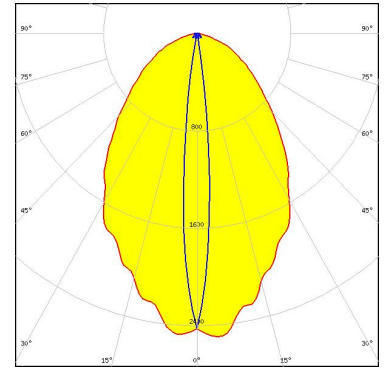


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



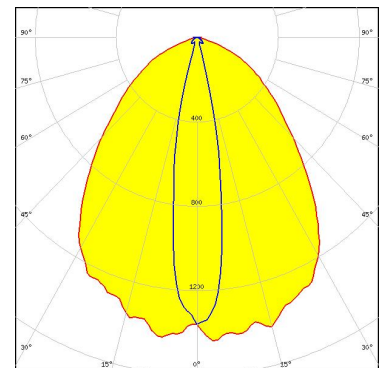
LED LUXEON CZ  
FWHM / FWTM 75.0 + 10.0° / 139.0 + 19.0°  
Efficiency 95 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files



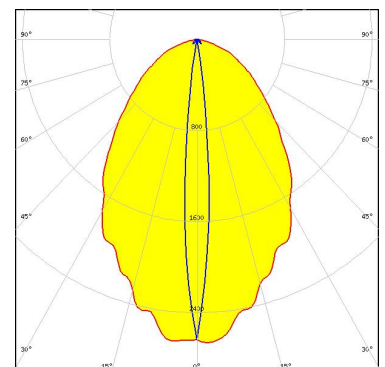
LED LUXEON H50-2  
FWHM / FWTM 18.0 + 86.0° / 31.0 + 137.0°  
Efficiency 93 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON Rubix  
FWHM / FWTM 76.0 + 10.0° / 140.0 + 18.0°  
Efficiency 96 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:

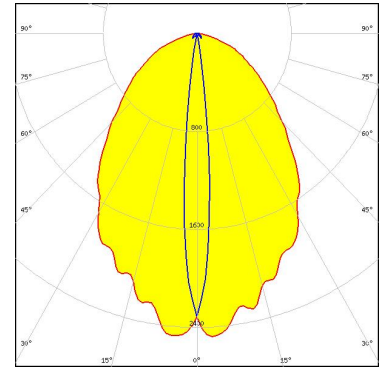


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



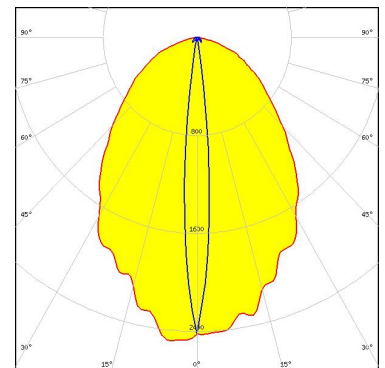
LED LUXEON Rubix  
FWHM / FWTM 80.0 + 10.0° / 142.0 + 18.0°  
Efficiency 96 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type Blue  
Required components:



Light distribution files



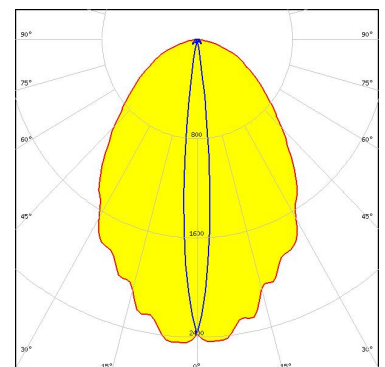
LED LUXEON Rubix  
FWHM / FWTM 79.0 + 10.0° / 142.0 + 18.0°  
Efficiency 96 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type Green  
Required components:



Light distribution files



LED LUXEON Rubix  
FWHM / FWTM 79.0 + 10.0° / 143.0 + 18.0°  
Efficiency 96 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

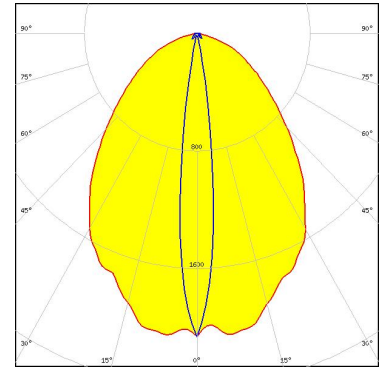


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



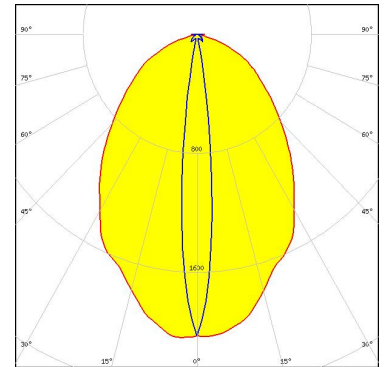
LED LUXEON Z ES  
 FWHM / FWTM 84.0 + 13.0° / 141.0 + 22.0°  
 Efficiency 95 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



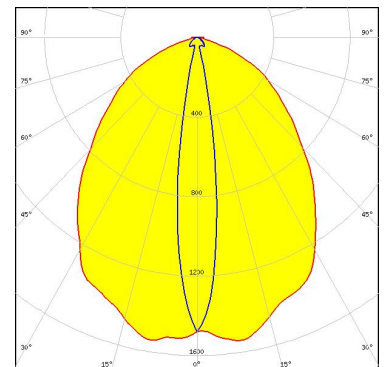
LED NCSxE17A  
 FWHM / FWTM 79.0 + 12.0° / 140.0 + 22.0°  
 Efficiency 95 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxE21A  
 FWHM / FWTM 91.0 + 16.0° / 143.0 + 27.0°  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

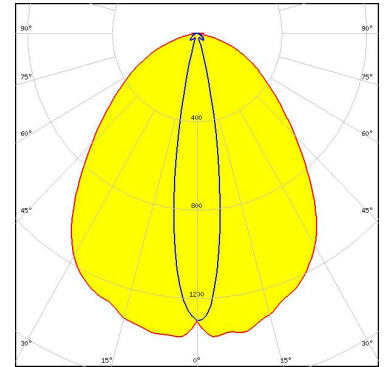


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

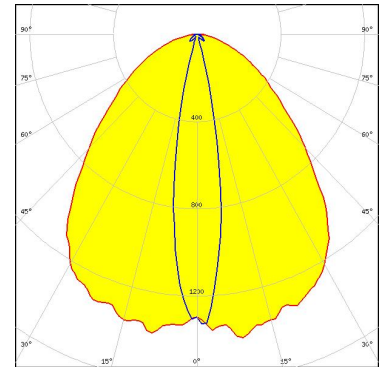
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 89.0 + 18.0° / 145.0 + 31.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

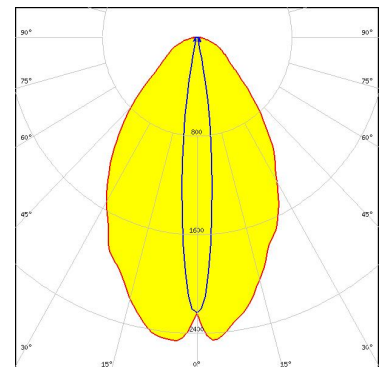
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 92.0 + 19.0° / 146.0 + 32.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files


**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
 FWHM / FWTM 68.0 + 14.0° / 126.0 + 24.0°  
 Efficiency 95 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### OPTICAL RESULTS (SIMULATED):

 SEUL SEMICONDUCTOR	
LED	Z5M1/Z5M2
FWHM / FWTM	91.0 + 20.0° / 141.0 + 30.0°
Efficiency	95 %
Peak intensity	1.4 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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