

## FLARE-MINI-A-PIN

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

### SPECIFICATION:

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

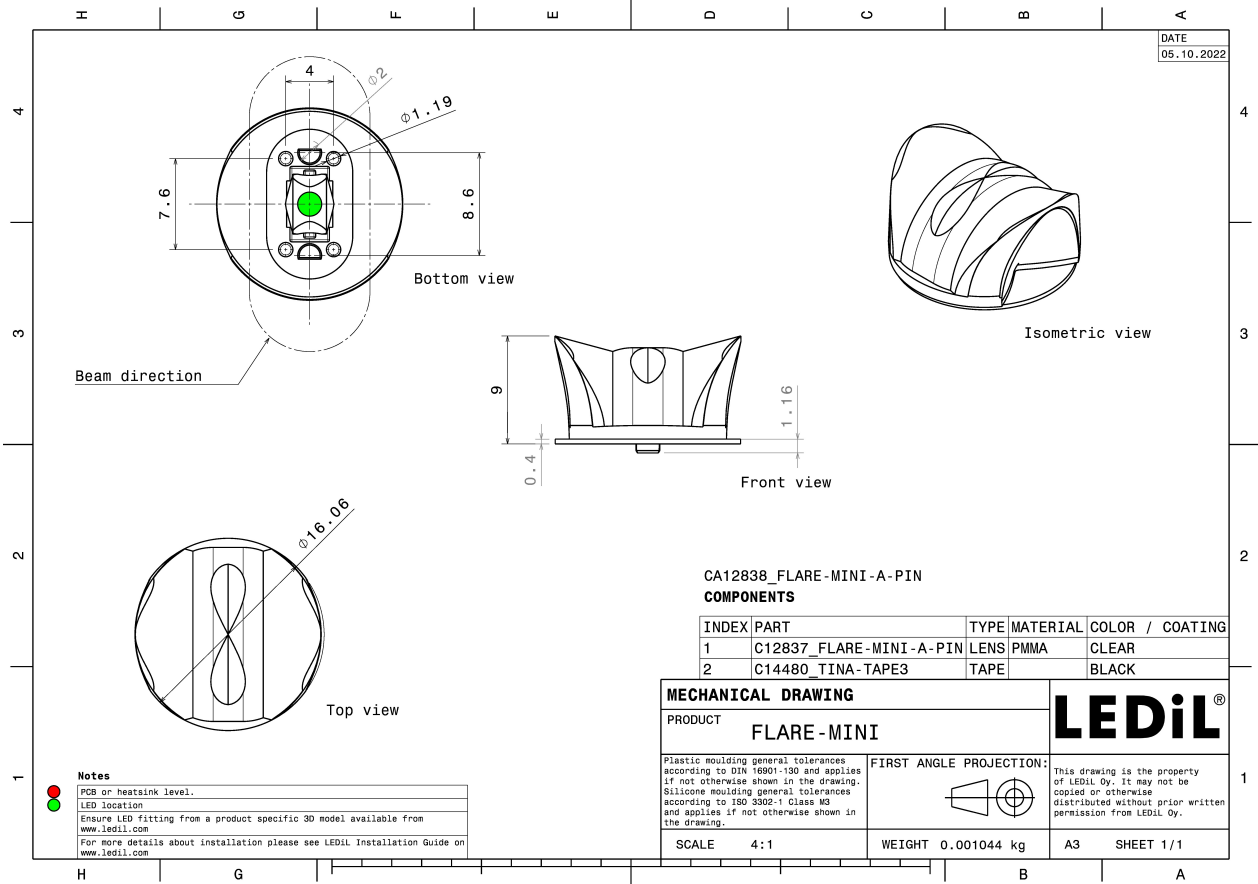
### MATERIALS:

Component	Type	Material	Colour	Finish
FLARE-MINI-A-PIN	Single lens	PMMA	clear	
TINA-TAPE3	Tape	Acrylic foam	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					



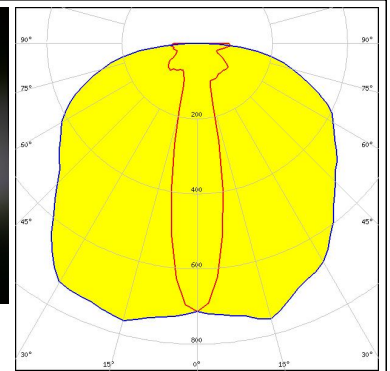
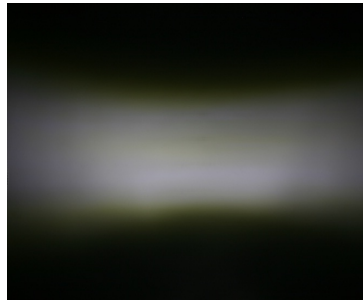


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

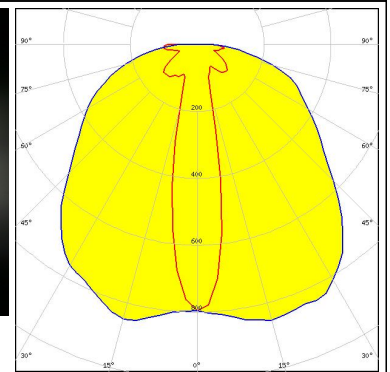
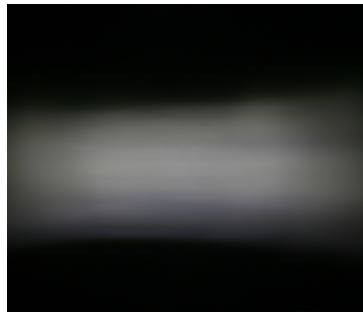
#### OPTICAL RESULTS (MEASURED):



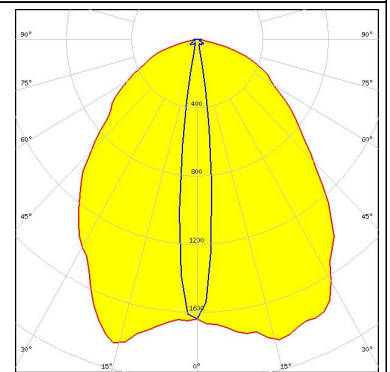
LED XB-D  
 FWHM / FWTM 130.0 + 21.0° / 119.0 + 172.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



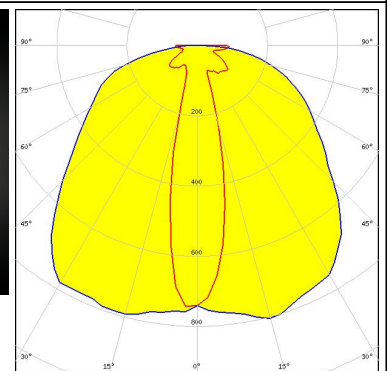
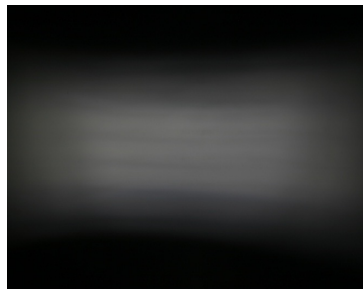
LED XP-E  
 FWHM / FWTM 113.0 + 20.0° / 122.0 + 171.0°  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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 White  
 Required components:



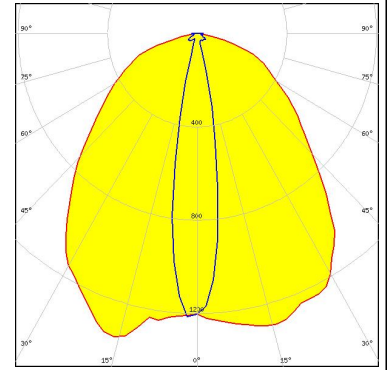
LED XP-G  
 FWHM / FWTM 114.0 + 22.0° / 120.0 + 158.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



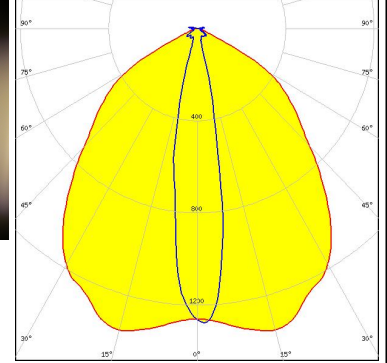
#### OPTICAL RESULTS (MEASURED):



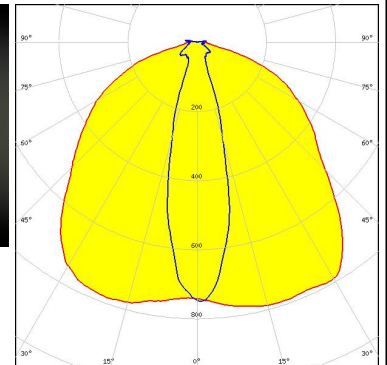
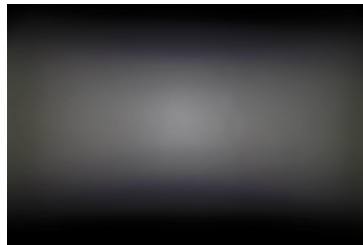
LED XP-G2  
 FWHM / FWTM 94.0 + 19.0° / 152.0 + 31.0°  
 Efficiency 94 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



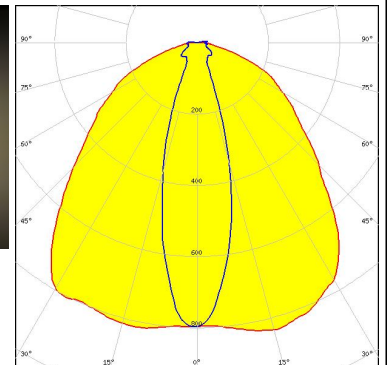
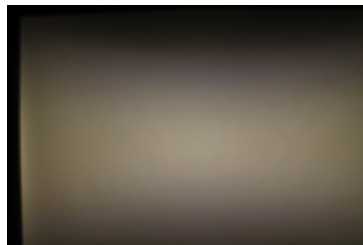
LED XP-G4  
 FWHM / FWTM 92.0 + 19.0° / 129.0 + 32.0°  
 Efficiency 96 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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 White  
 Required components:



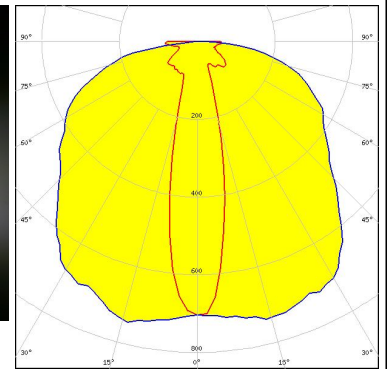
LED XP-L2  
 FWHM / FWTM 100.0 + 28.0° / 153.0 + 49.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



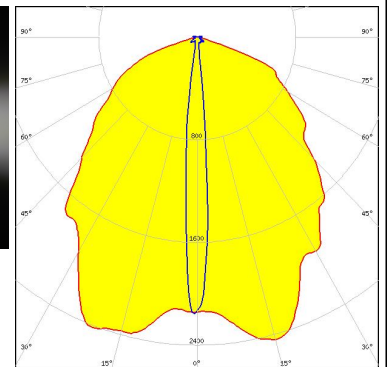
#### OPTICAL RESULTS (MEASURED):



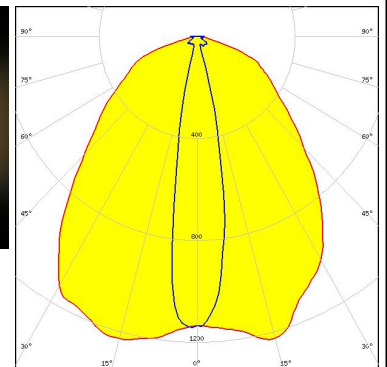
LED XT-E  
 FWHM / FWTM 124.0 + 22.0° / 119.0 + 173.0°  
 Efficiency 94 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



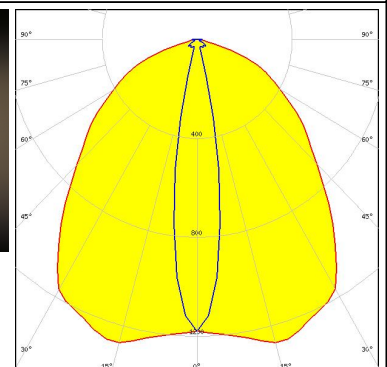
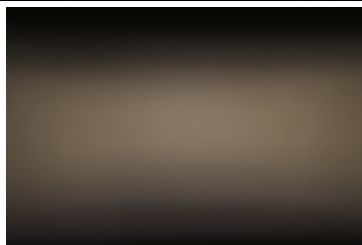
LED LUXEON CZ  
 FWHM / FWTM 105.0 + 9.0° / 145.0 + 16.0°  
 Efficiency 94 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




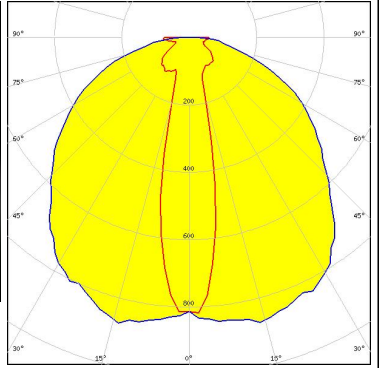

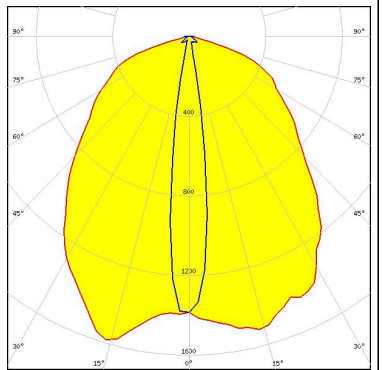
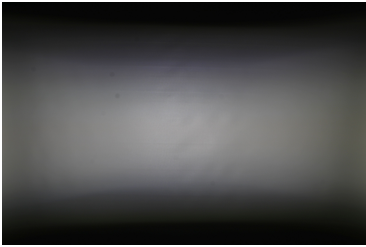
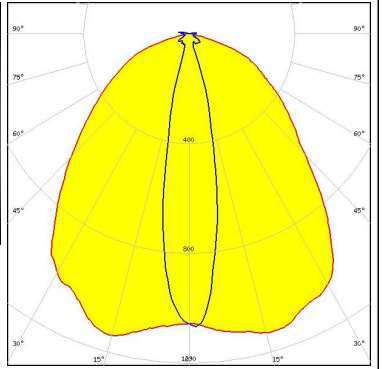
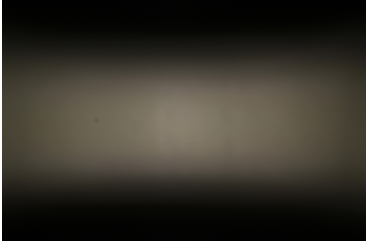
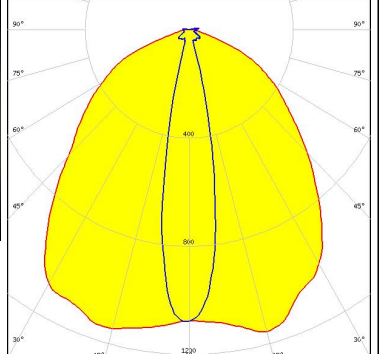
LED LUXEON T  
 FWHM / FWTM 95.0 + 19.0° / 30.0 + 148.0°  
 Efficiency 93 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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 White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

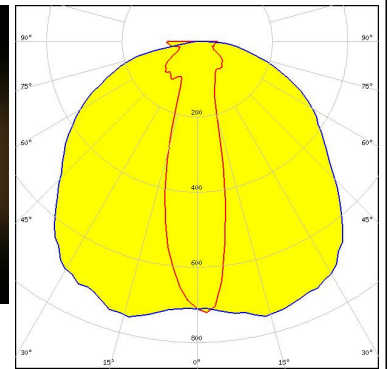
<p><b>NICHIA</b></p> <p>LED NCSxx19A            FWHM / FWTM 112.0 + 20.0° / 104.0 + 167.0°            Efficiency 94 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxx19B            FWHM / FWTM 95.0 + 15.0° / 151.0 + 27.0°            Efficiency 94 %            Peak intensity 1.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>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 White            Required components:</p>		
<p><b>NICHIA</b></p> <p>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 White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

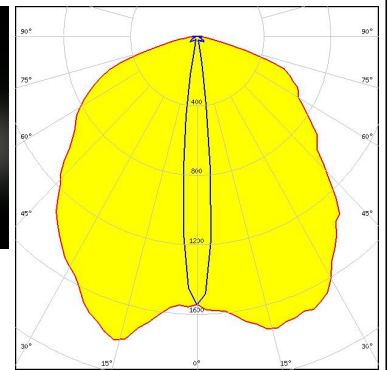
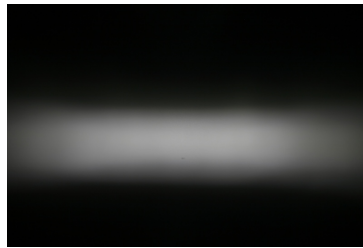
LED OSLON Square PC  
 FWHM / FWTM 116.0 + 22.0° / 114.0 + 172.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

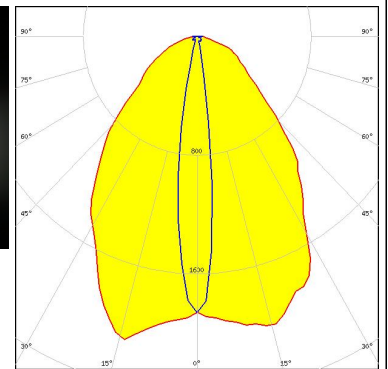
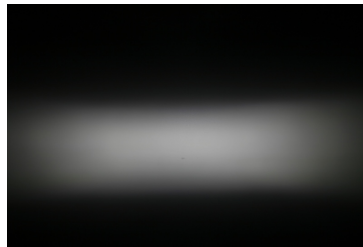
LED OSLON SSL 150  
 FWHM / FWTM 106.0 + 11.0° / 22.0 + 152.0°  
 Efficiency 93 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

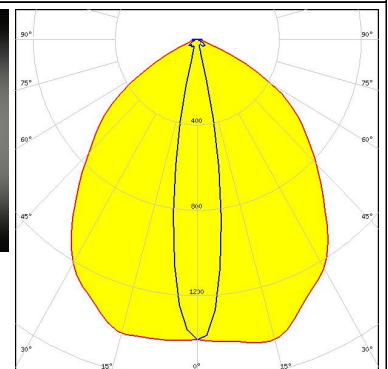
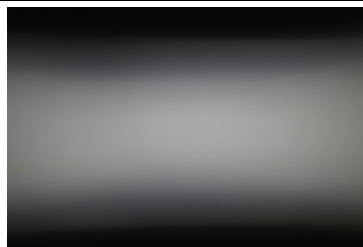
Opto Semiconductors

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 White  
 Required components:



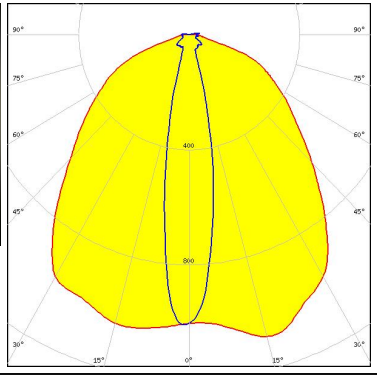


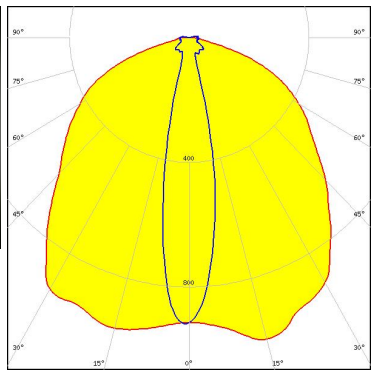


##### SAMSUNG

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 White  
 Required components:



#### OPTICAL RESULTS (MEASURED):

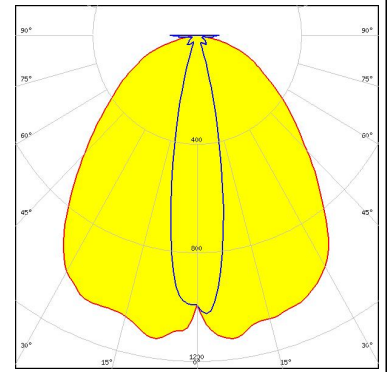
<p> SEOL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 102.0 + 20.0° / 149.0 + 37.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 115.0 + 21.0° / 154.0 + 34.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		



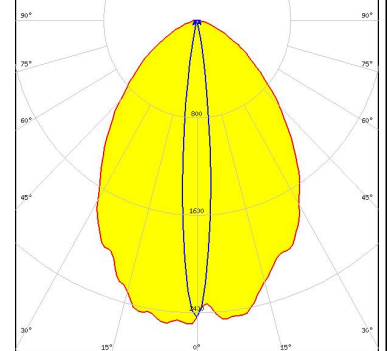
#### OPTICAL RESULTS (SIMULATED):



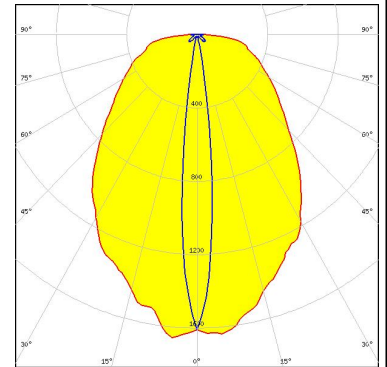
LED XP-G3  
 FWHM / FWTM 93.0 + 20.0° / 150.0 + 37.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



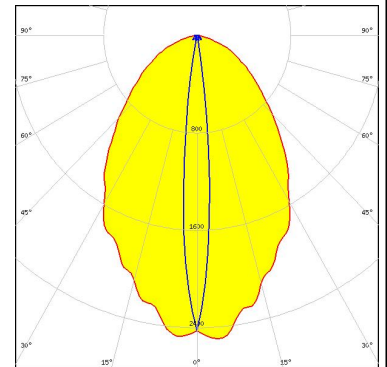
LED XQ-E HD  
 FWHM / FWTM 78.0 + 11.0° / 131.0 + 21.0°  
 Efficiency 95 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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 White  
 Required components:



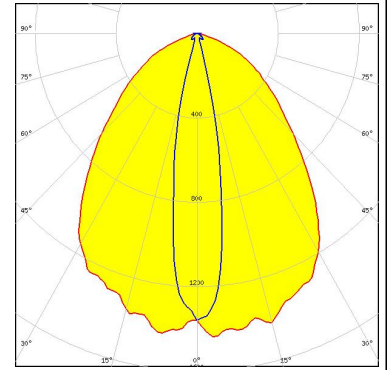
LED LUXEON CZ  
 FWHM / FWTM 75.0 + 10.0° / 139.0 + 19.0°  
 Efficiency 95 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour Red  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

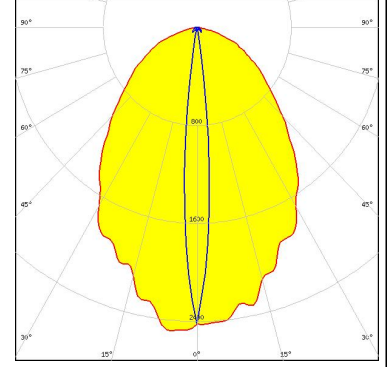
##### LUMILEDS

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 White  
 Required components:



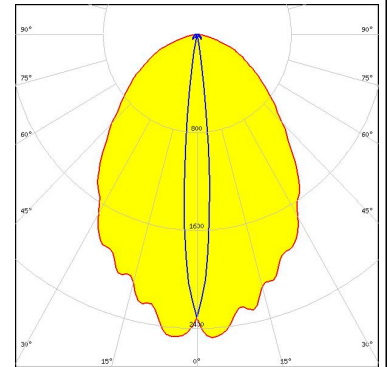
##### LUMILEDS

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 Green  
 Required components:



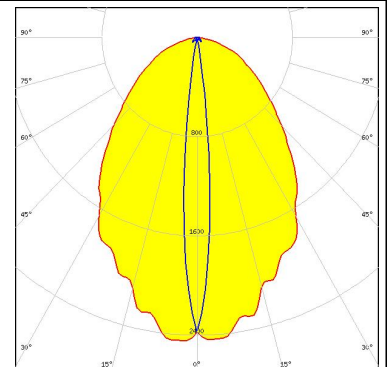
##### LUMILEDS

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 Blue  
 Required components:



##### LUMILEDS

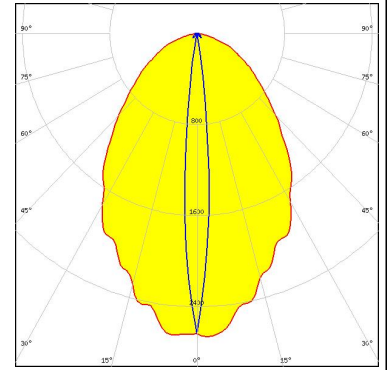
LED LUXEON Rubix  
 FWHM / FWTM 79.0 + 10.0° / 143.0 + 18.0°  
 Efficiency 96 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

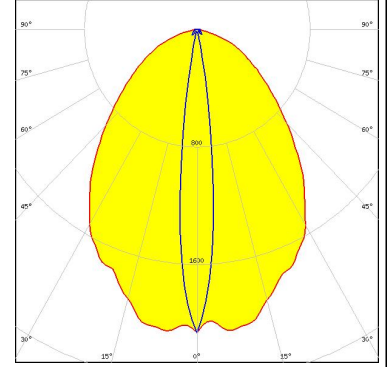
##### LUMILEDS

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 Red  
 Required components:



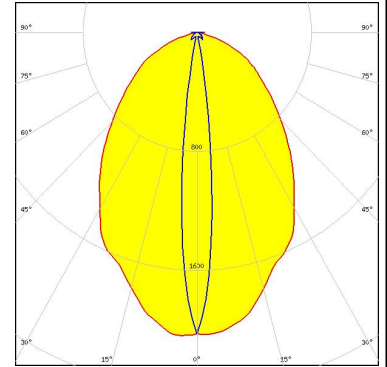
##### LUMILEDS

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 White  
 Required components:



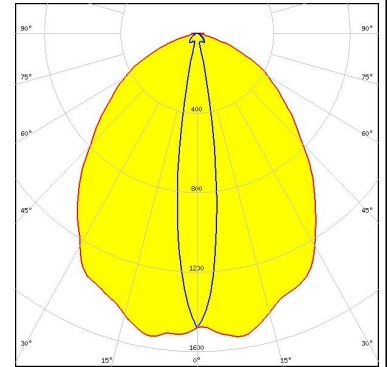
##### NICHIA

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 White  
 Required components:



##### NICHIA

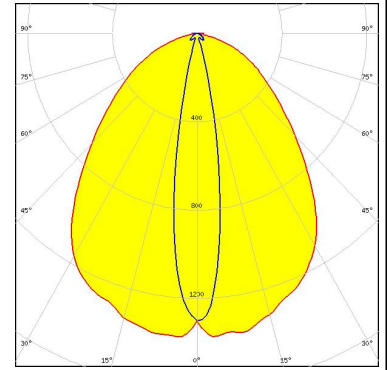
LED NVSxE21A  
 FWHM / FWTM 91.0 + 16.0° / 143.0 + 27.0°  
 Efficiency 94 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

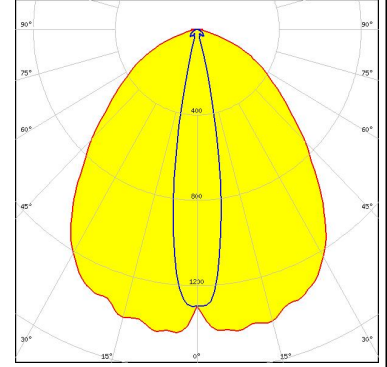
**OSRAM**  
Opto Semiconductors

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 White  
Required components:



**SEOL**  
SEOUL 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 White  
Required components:



### 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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#### Local sales and technical support

[www.ledil.com/  
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#### Shipping locations

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Hong Kong, China

#### Distribution Partners

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