

## FLARE-MAXI

34 x 33 mm lens with ~100° x 15° oval beam

### TECHNICAL SPECIFICATIONS:

Dimensions	33.9 x 33.3 mm
Height	16.7 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

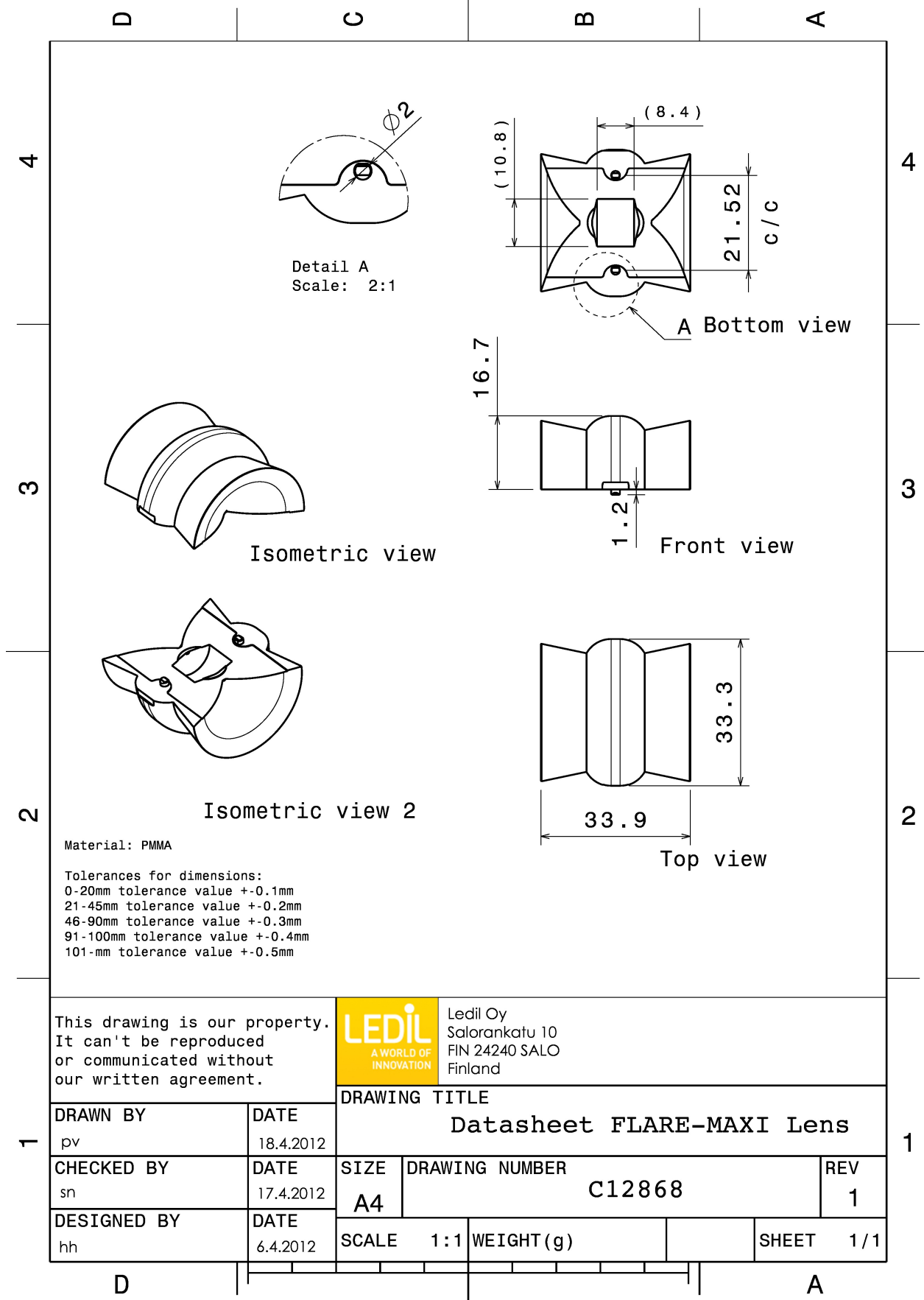


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLARE-MAXI	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12868_FLARE-MAXI » Box size:	840	168	168	9.5

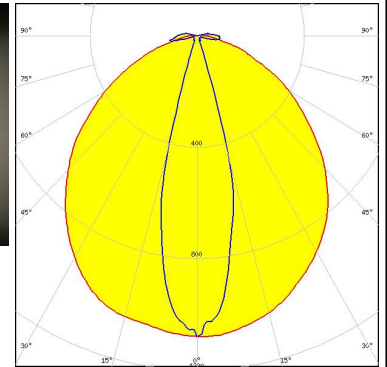
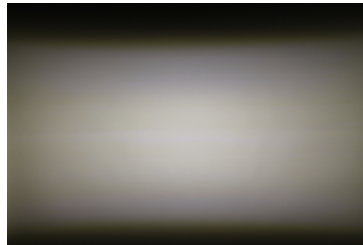


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

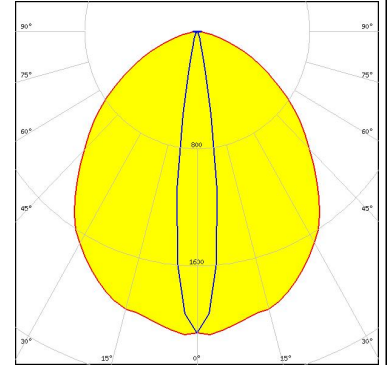
#### CREE LED

LED XHP70.2  
 FWHM / FWTM 105.0 + 28.0° / 153.0 + 38.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



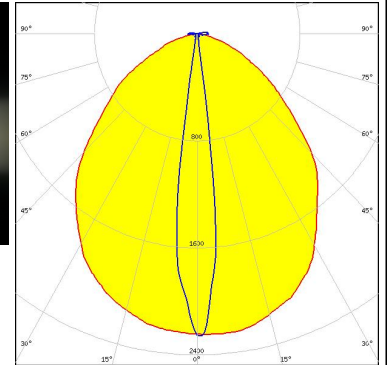
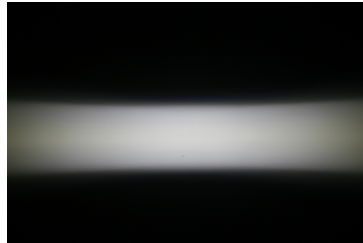
#### CREE LED

LED XM-L  
 FWHM / FWTM 96.0 + 15.0° / 147.0 + 28.0°  
 Efficiency 94 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



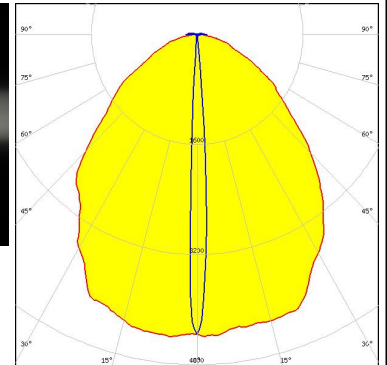
#### CREE LED

LED XM-L2  
 FWHM / FWTM 95.0 + 14.0° / 145.0 + 18.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

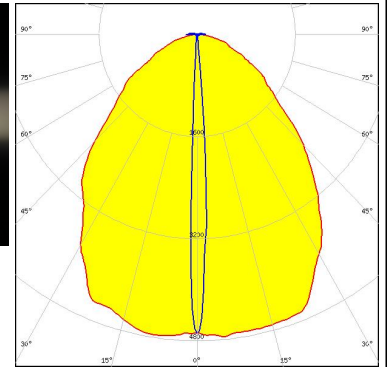
LED XP-E  
 FWHM / FWTM 94.0 + 6.0° / 149.0 + 10.0°  
 Efficiency 94 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

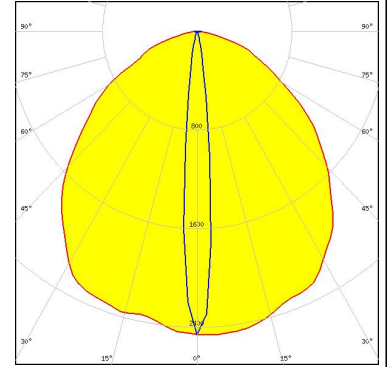
#### CREE LED

LED XP-E2  
 FWHM / FWTM 91.0 + 6.0° / 146.0 + 10.0°  
 Efficiency 94 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



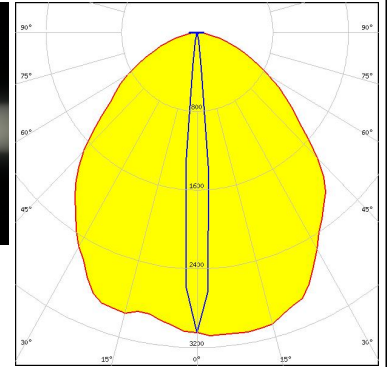
#### CREE LED

LED XP-G  
 FWHM / FWTM 105.0 + 11.0° / 152.0 + 22.0°  
 Efficiency 94 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



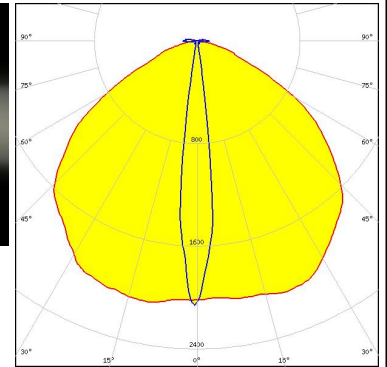
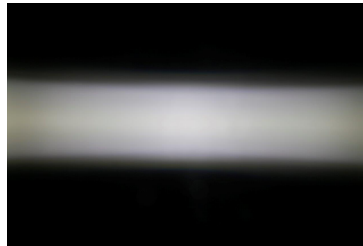
#### CREE LED

LED XP-G2  
 FWHM / FWTM 96.0 + 10.0° / 147.0 + 15.0°  
 Efficiency 94 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE LED

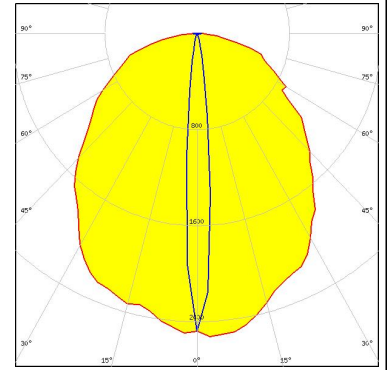
LED XP-L HD  
 FWHM / FWTM 115.0 + 13.0° / 149.0 + 19.0°  
 Efficiency 94 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



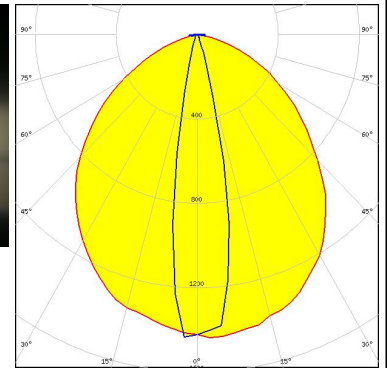
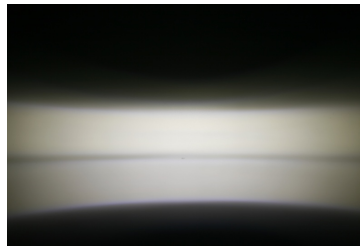
### PHOTOMETRIC DATA (MEASURED):



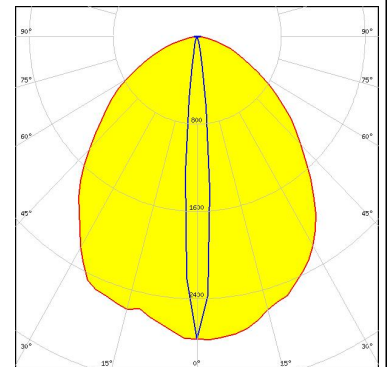
LED XT-E  
 FWHM / FWTM 96.0 + 10.0° / 160.0 + 23.0°  
 Efficiency 94 %  
 Peak intensity 2.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



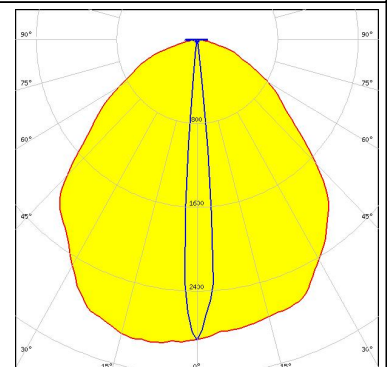
LED LUXEON M/MX  
 FWHM / FWTM 100.0 + 23.0° / 147.0 + 36.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON Rebel ES  
 FWHM / FWTM 91.0 + 10.0° / 144.0 + 20.0°  
 Efficiency 94 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



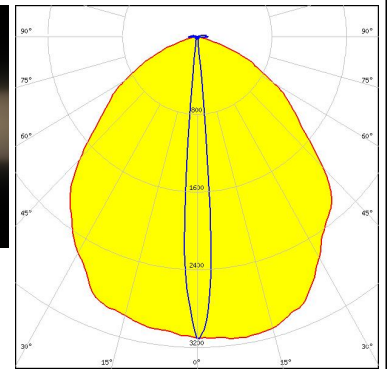
LED LUXEON T  
 FWHM / FWTM 96.0 + 10.0° / 147.0 + 115.0°  
 Efficiency 92 %  
 Peak intensity 2.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

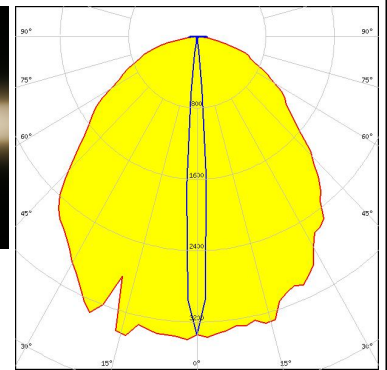
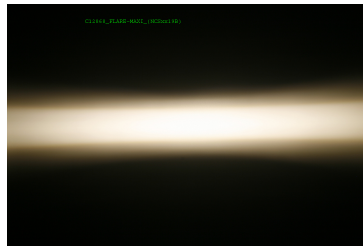
#### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 96.0 + 9.0° / 141.0 + 14.0°  
 Efficiency 94 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



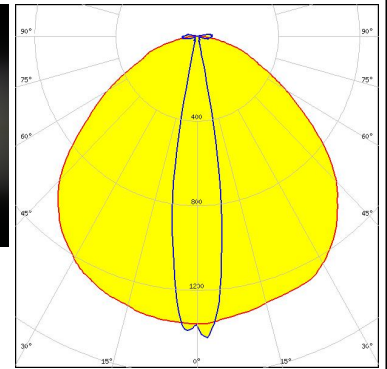
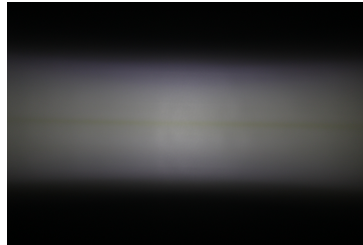
#### NICHIA

LED NCSxx19B  
 FWHM / FWTM 98.0 + 9.0° / 155.0 + 15.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



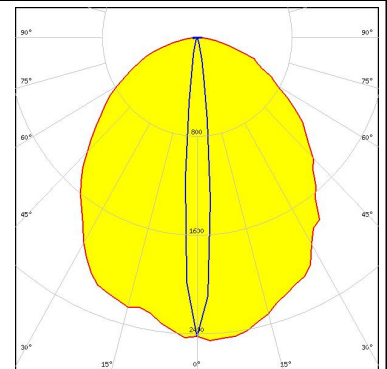
#### NICHIA

LED NV4x144A  
 FWHM / FWTM 108.0 + 19.0° / 157.0 + 27.0°  
 Efficiency 94 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

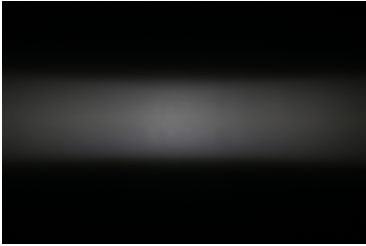
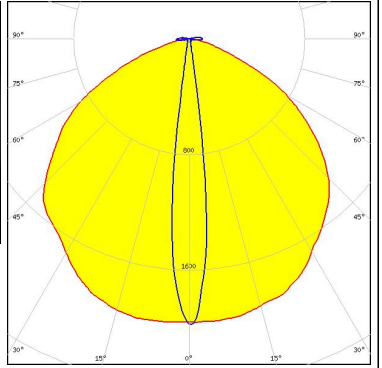

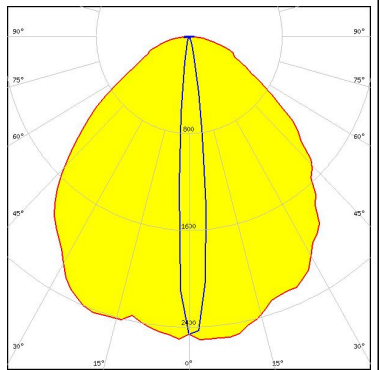
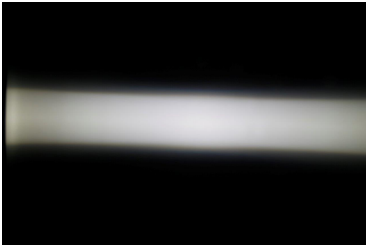
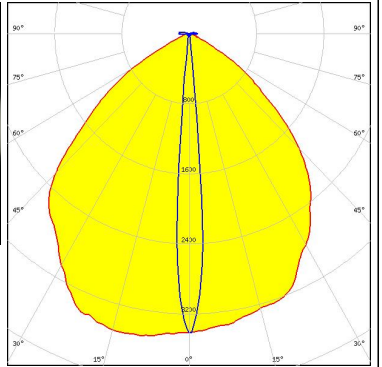


#### NICHIA

LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 98.0 + 11.0° / 153.0 + 23.0°  
 Efficiency 94 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



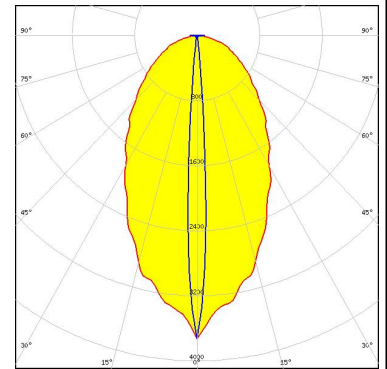
### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NWSx229A            FWHM / FWTM 122.0 + 13.0° / 147.0 + 20.0°            Efficiency 94 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSOLON Square PC            FWHM / FWTM 98.0 + 13.0° / 153.0 + 25.0°            Efficiency 94 %            Peak intensity 2.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH351Z            FWHM / FWTM 95.0 + 9.0° / 125.0 + 13.0°            Efficiency 94 %            Peak intensity 3.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

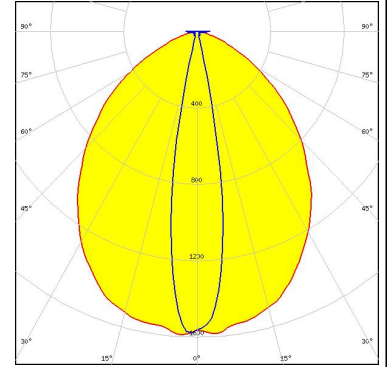
### PHOTOMETRIC DATA (SIMULATED):



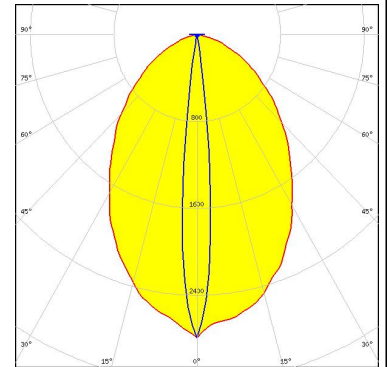
LED XD16  
 FWHM / FWTM 60.0 + 7.0° / 143.0 + 13.0°  
 Efficiency 94 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



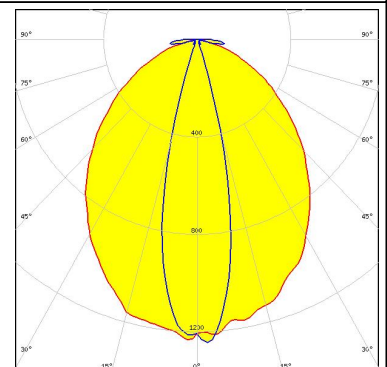
LED XHP50.3 HD  
 FWHM / FWTM 92.0 + 20.0° / 139.0 + 28.0°  
 Efficiency 95 %  
 Peak intensity 1.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2 HE  
 FWHM / FWTM 75.0 + 11.0° / 137.0 + 18.0°  
 Efficiency 95 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 7070  
 FWHM / FWTM 92.0 + 25.0° / 146.0 + 100.0°  
 Efficiency 96 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

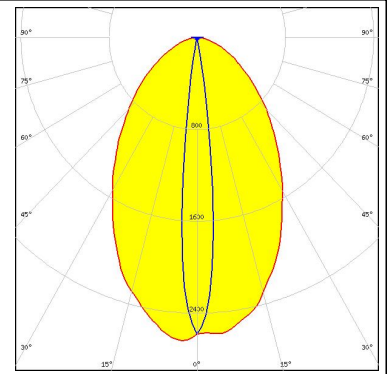
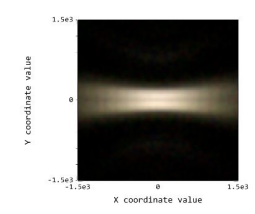
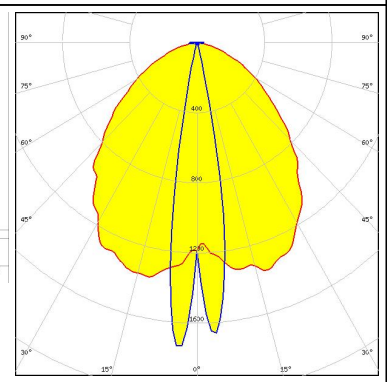
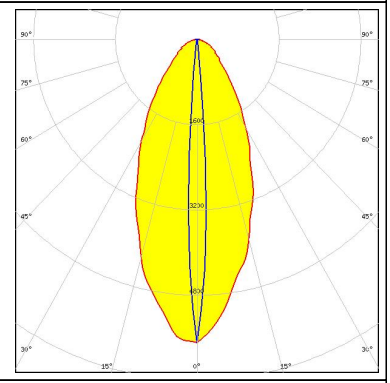
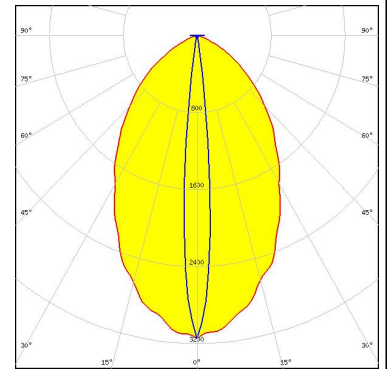




### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON H50-2            FWHM / FWTM: 9.5 + 64.0° / 15.0 + 122.0°            Efficiency: 92 %            Peak intensity: 3.6 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON V            FWHM / FWTM: 12.0 + 79.0° / 23.0 + 143.0°            Efficiency: 93 %            Peak intensity: 2.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSW219D            FWHM / FWTM: 85.0 + 12.0° / 127.0 + 21.0°            Efficiency: 94 %            Peak intensity: 2.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSW3x9A            FWHM / FWTM: 95.0 + 12.0° / 144.0 + 22.0°            Efficiency: 94 %            Peak intensity: 2.3 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

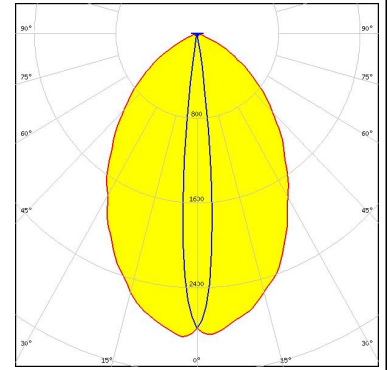
### PHOTOMETRIC DATA (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM 69.0 + 12.0° / 133.0 + 20.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 7070</p> <p>FWHM / FWTM 84.0 + 18.0° / 140.0 + 23.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 1.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	 <p>detector image: illuminance</p> <p>31.0.0264          detector: 0.000 surface: 1          0.000 0.000 0.000 0.000          0.000 0.000 0.000 0.000          0.000 0.000 0.000 0.000          Total Power: 1.8 0.026400 lumens</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM SSL 80</p> <p>FWHM / FWTM 46.0 + 6.0° / 101.0 + 12.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 5.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH351B</p> <p>FWHM / FWTM 68.0 + 10.0° / 126.0 + 17.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

### PHOTOMETRIC DATA (SIMULATED):

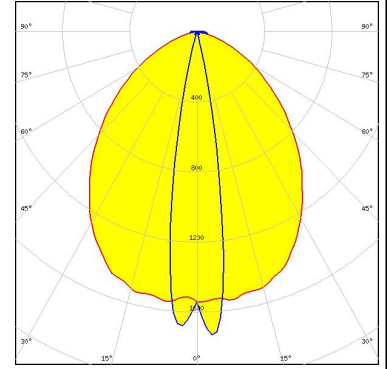
#### SAMSUNG

LED LH351C  
FWHM / FWTM 74.0 + 11.0° / 126.0 + 20.0°  
Efficiency 94 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH502C  
FWHM / FWTM 93.0 + 18.0° / 140.0 + 27.0°  
Efficiency 95 %  
Peak intensity 1.7 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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P.R.CHINA

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[LL01ED-AKY24R49](#) [LL01CR-AYG15R49](#) [LL01CR-OT32L06-M2](#) [LL01ZZ-AAA24L49](#) [LL01CR-CEN38L02](#) [LL01ZZ-AAA55L49](#)  
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[CAY033](#) [CAY046/55](#) [FCX11157\\_RES-O-90](#) [OS-LRI2015X45S](#) [OSOLRA2015M](#) [PG1C-NX36](#) [PG1C-SX17](#) [PM2A-SXV1](#) [PM2B-NX55-](#)  
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