

## OLGA-W

~40° wide beam with flange. Assembly with holder and installation tape.

## SPECIFICATION:

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

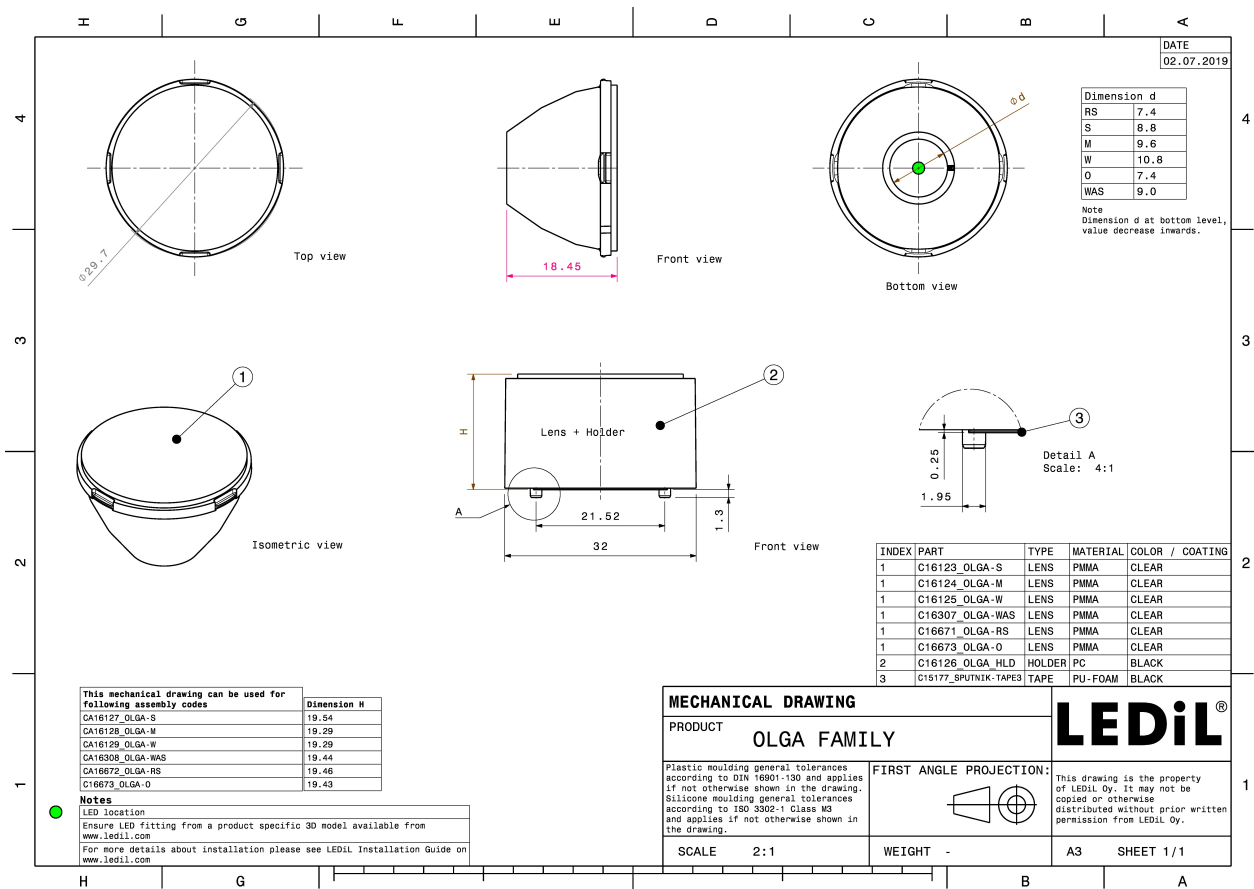
## MATERIALS:

Component	Type	Material	Colour	Finish
OLGA-W	Single lens	PMMA	clear	
OLGA-HLD	Holder	PC	black	
SPUTNIK-TAPE3	Tape	Acrylic foam	black	

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16129_OLGA-W	Single lens	792	132	66	10.0
» Box size: 476 x 273 x 292 mm					



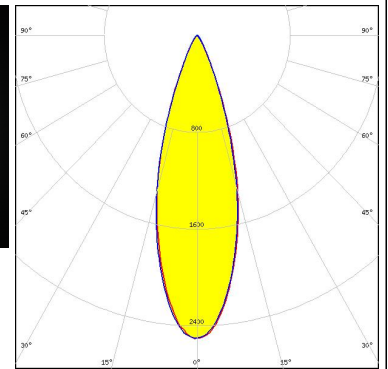
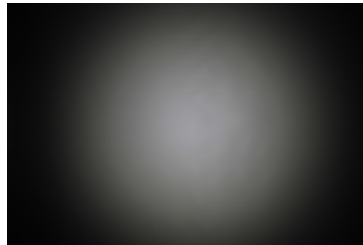


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

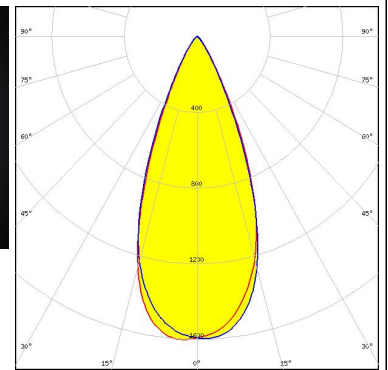
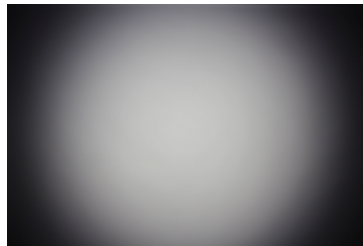
### OPTICAL RESULTS (MEASURED):



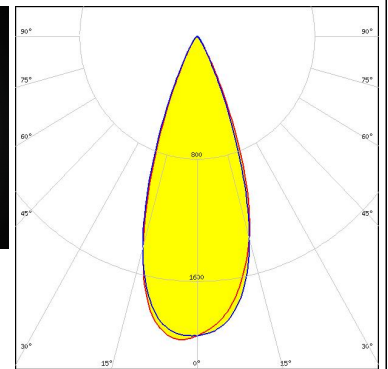
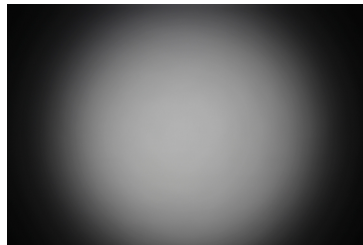
LED XD16  
FWHM / FWTM 32.0° / 54.0°  
Efficiency 82 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



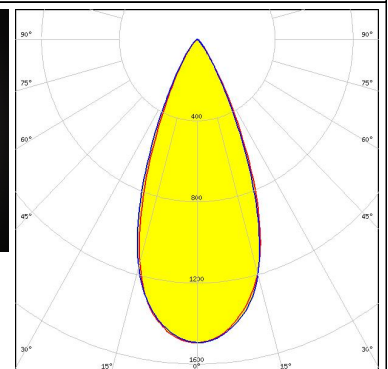
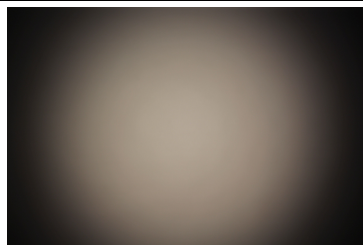
LED XHP35 HD  
FWHM / FWTM 42.0° / 65.0°  
Efficiency 84 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP35 HI  
FWHM / FWTM 38.0° / 58.0°  
Efficiency 85 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



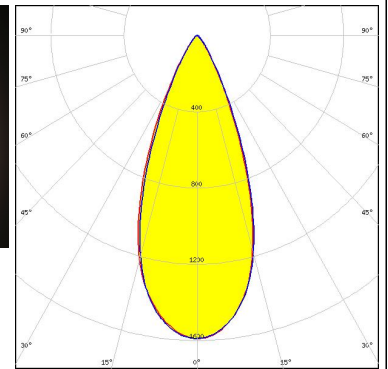
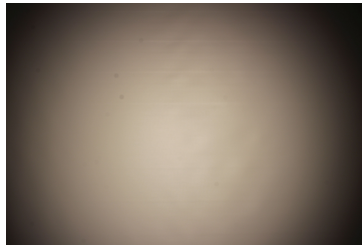
LED XHP50  
FWHM / FWTM 43.0° / 68.0°  
Efficiency 84 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



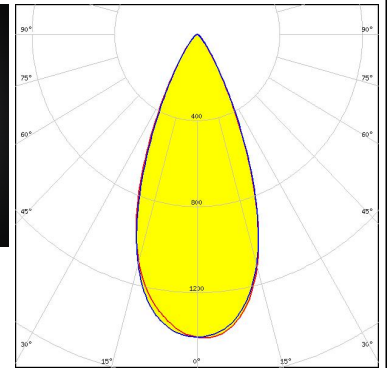
### OPTICAL RESULTS (MEASURED):



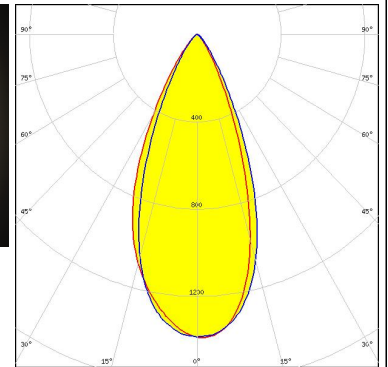
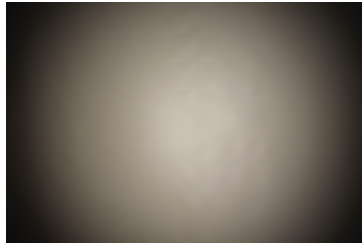
LED XHP50.2  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 84 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



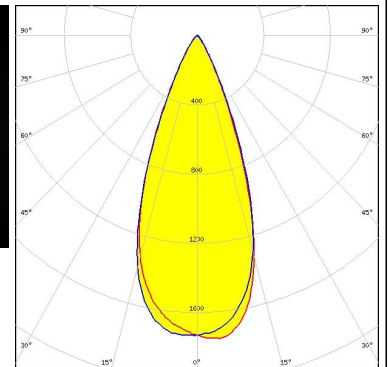
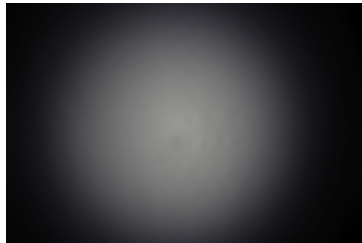
LED XHP70  
FWHM / FWTM 44.0° / 70.0°  
Efficiency 84 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP70.2  
FWHM / FWTM 44.0° / 71.0°  
Efficiency 83 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



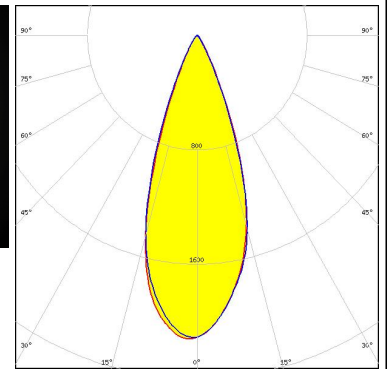
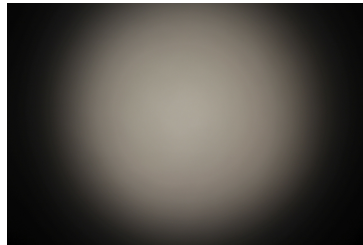
LED XM-L3  
FWHM / FWTM 40.0° / 62.0°  
Efficiency 85 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



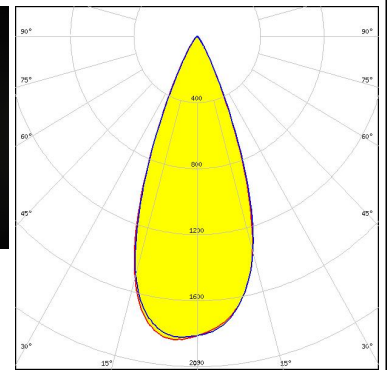
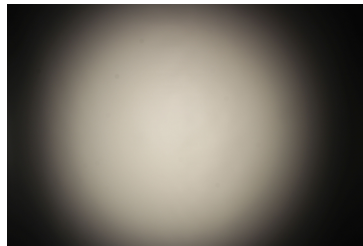
### OPTICAL RESULTS (MEASURED):



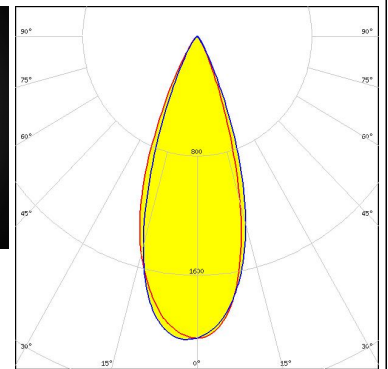
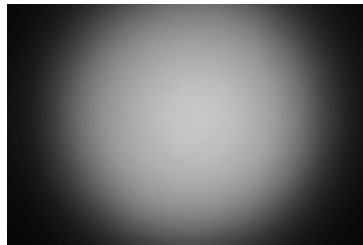
LED XP-E2  
FWHM / FWTM 37.0° / 57.0°  
Efficiency 86 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



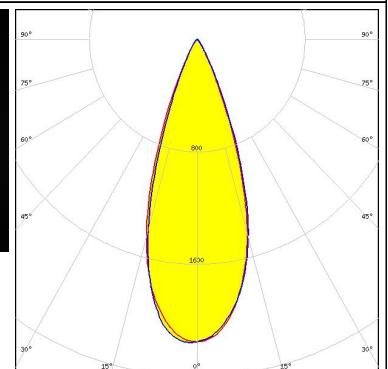
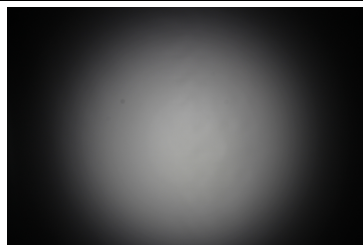
LED XP-G2  
FWHM / FWTM 41.0° / 60.0°  
Efficiency 86 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G3  
FWHM / FWTM 37.0° / 59.0°  
Efficiency 85 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



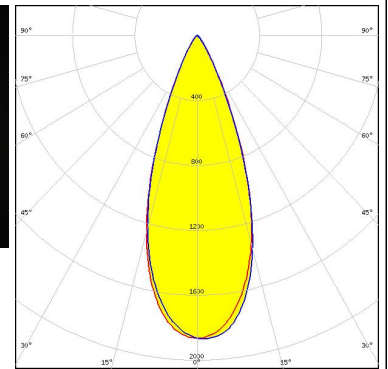
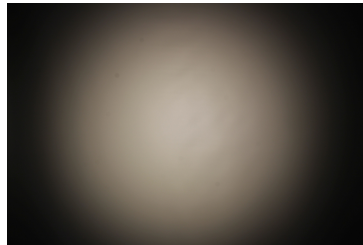
LED XP-L HI  
FWHM / FWTM 37.0° / 56.0°  
Efficiency 86 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



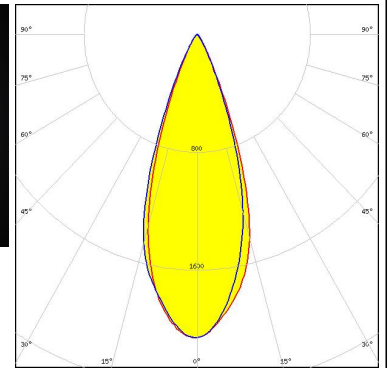
### OPTICAL RESULTS (MEASURED):



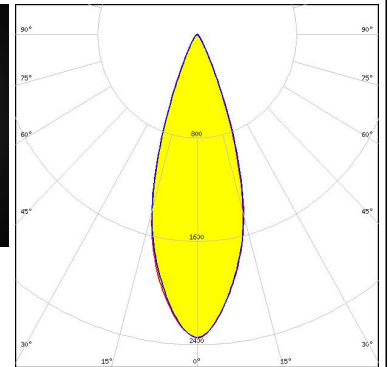
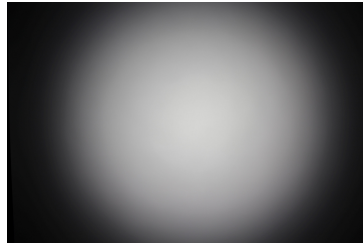
LED XP-L2  
FWHM / FWTM 39.0° / 61.0°  
Efficiency 84 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



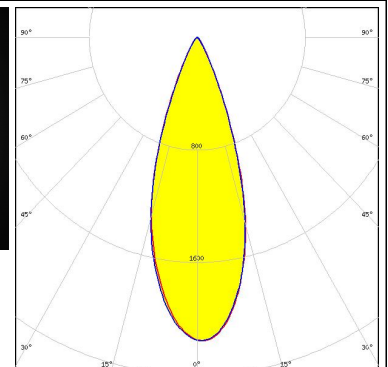
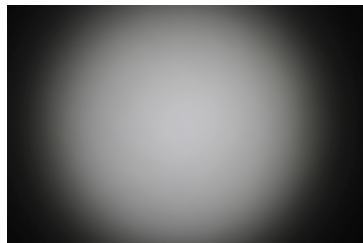
LED XQ-E HD  
FWHM / FWTM 37.0° / 57.0°  
Efficiency 81 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XQ-E HI  
FWHM / FWTM 34.0° / 54.0°  
Efficiency 85 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



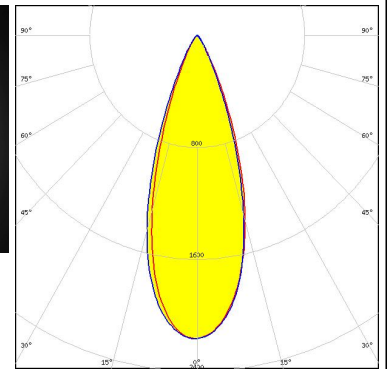
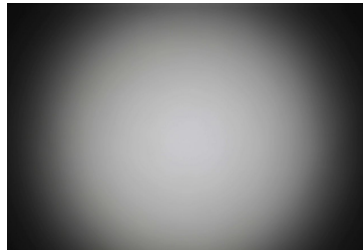
LED XT-E  
FWHM / FWTM 35.0° / 57.0°  
Efficiency 84 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

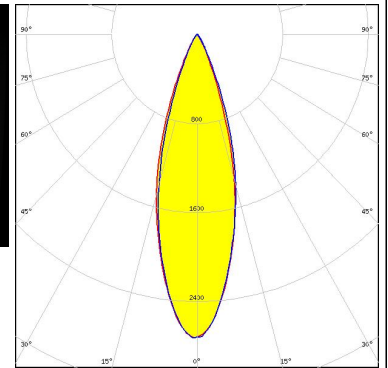
#### LUMILEDS

LED LUXEON 5050 Round LES  
FWHM / FWTM 35.0° / 58.0°  
Efficiency 86 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



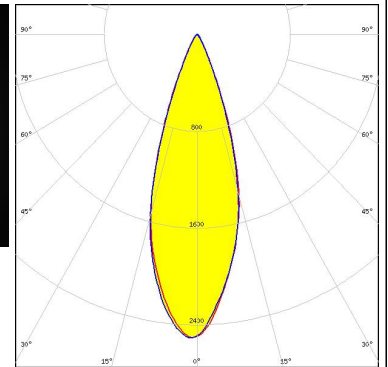
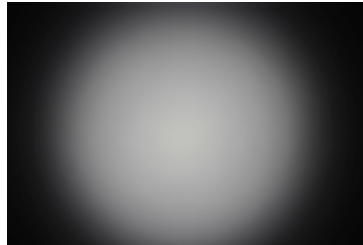
#### LUMILEDS

LED LUXEON C  
FWHM / FWTM 31.0° / 53.0°  
Efficiency 84 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



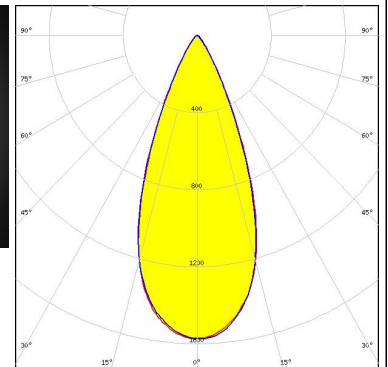
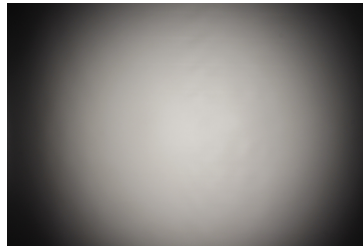
#### LUMILEDS

LED LUXEON CZ  
FWHM / FWTM 34.0° / 53.0°  
Efficiency 86 %  
Peak intensity 2.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

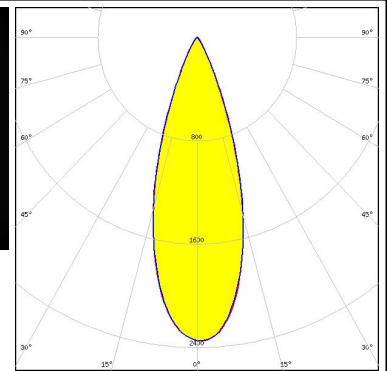
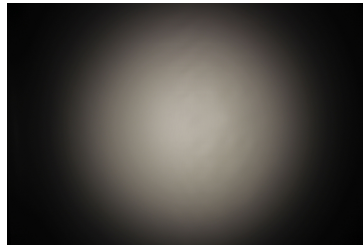
LED LUXEON M/MX  
FWHM / FWTM 42.0° / 66.0°  
Efficiency 84 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

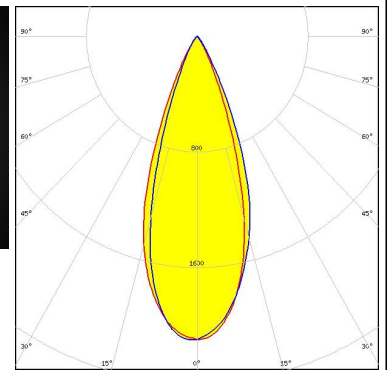
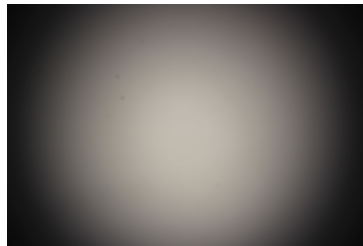
#### LUMILEDS

LED LUXEON MZ  
FWHM / FWTM 34.0° / 56.0°  
Efficiency 86 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



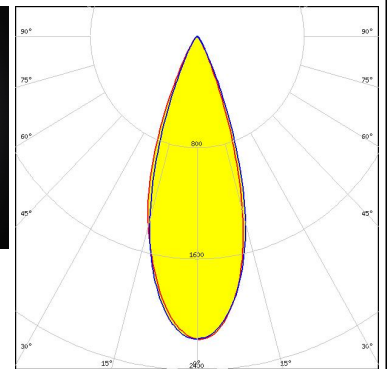
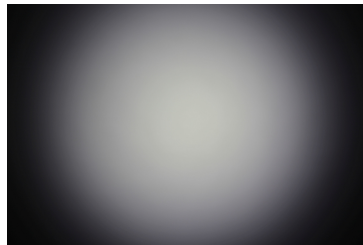
#### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 37.0° / 58.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



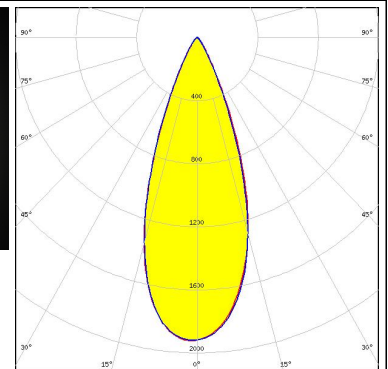
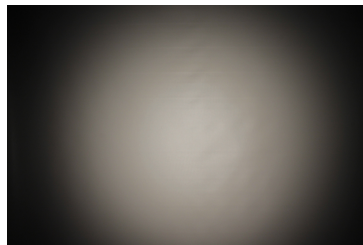
#### LUMILEDS

LED LUXEON TX  
FWHM / FWTM 36.0° / 57.0°  
Efficiency 85 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

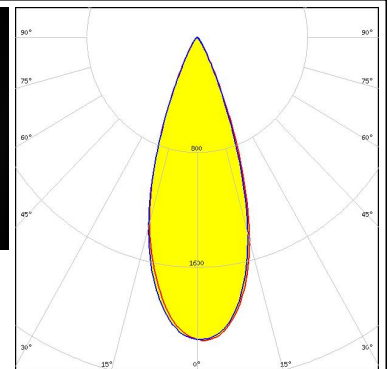
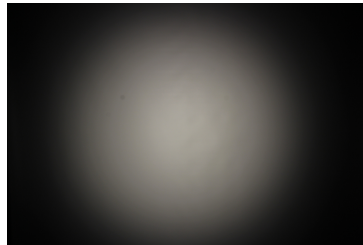
LED LUXEON V  
FWHM / FWTM 38.0° / 60.0°  
Efficiency 84 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OPTICAL RESULTS (MEASURED):

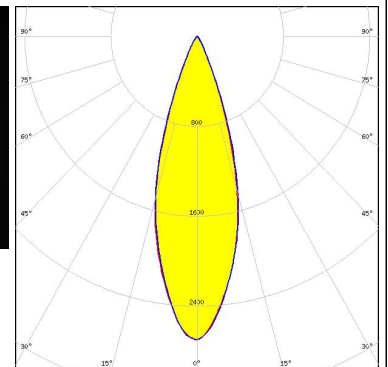
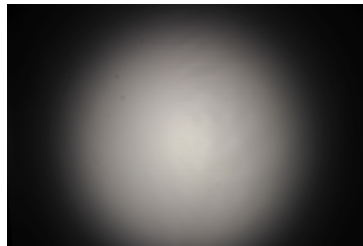
##### LUMILEDS

LED LUXEON V2  
FWHM / FWTM 37.0° / 57.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



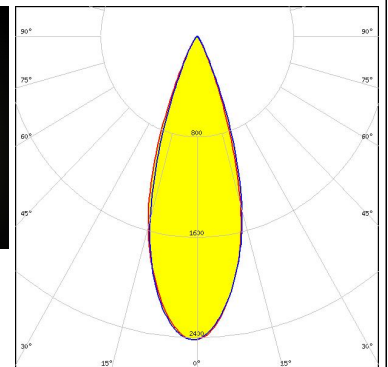
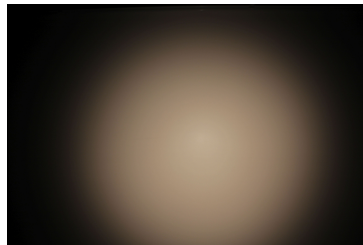
##### LUMILEDS

LED LUXEON Z  
FWHM / FWTM 32.0° / 52.0°  
Efficiency 85 %  
Peak intensity 2.7 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



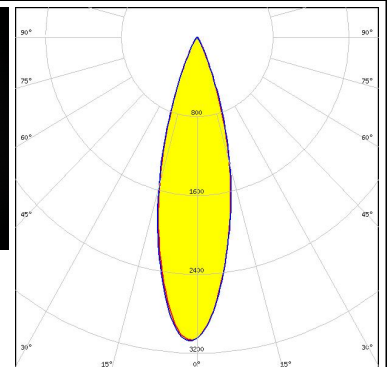
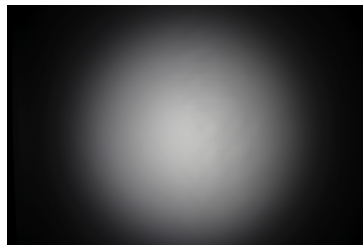
##### LUMILEDS

LED LUXEON Z ES  
FWHM / FWTM 35.0° / 54.0°  
Efficiency 86 %  
Peak intensity 2.4 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



##### NICHIA

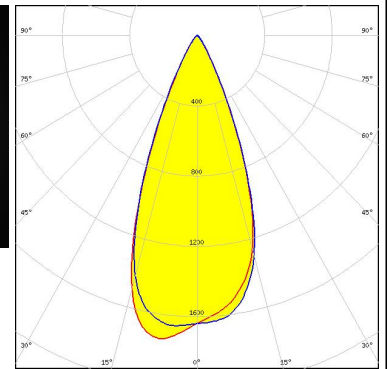
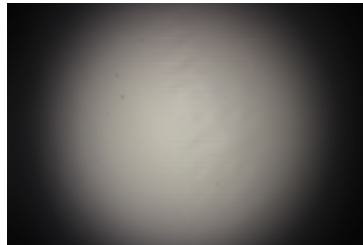
LED NCSxE17A  
FWHM / FWTM 28.0° / 50.0°  
Efficiency 86 %  
Peak intensity 3.1 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



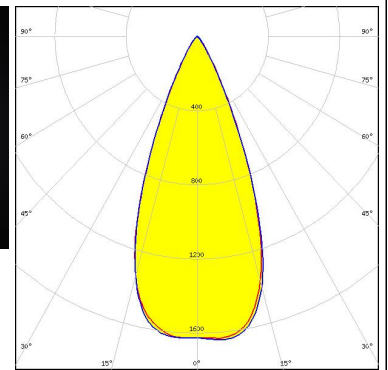
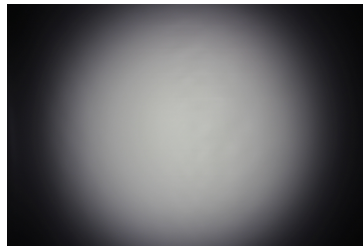
### OPTICAL RESULTS (MEASURED):



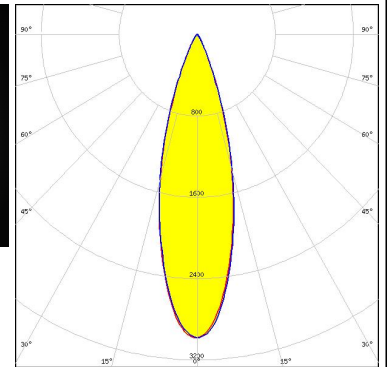
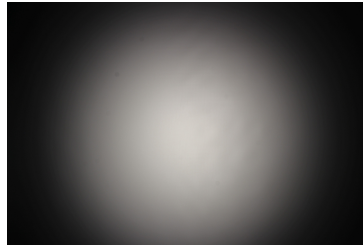
LED NVSW219F  
FWHM / FWTM 42.0° / 62.0°  
Efficiency 85 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



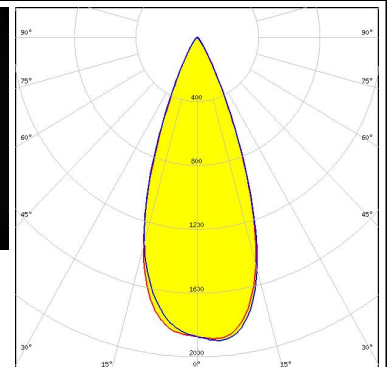
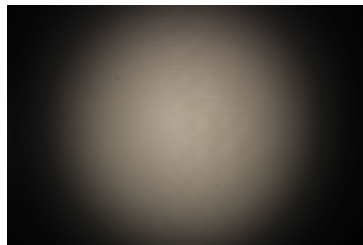
LED NVSW319B  
FWHM / FWTM 43.0° / 63.0°  
Efficiency 86 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxE21A  
FWHM / FWTM 29.0° / 51.0°  
Efficiency 86 %  
Peak intensity 3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 39.0° / 60.0°  
Efficiency 85 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

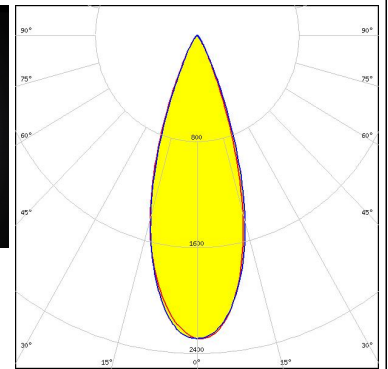
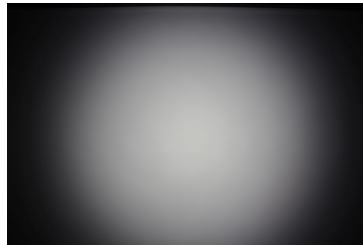


#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

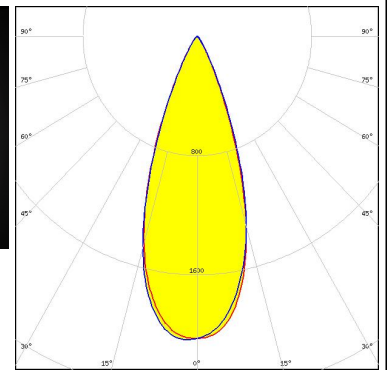
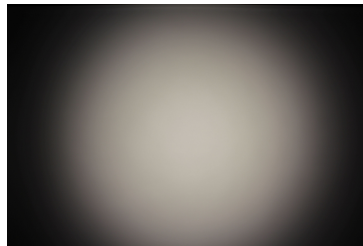
LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 35.0° / 56.0°  
Efficiency 86 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

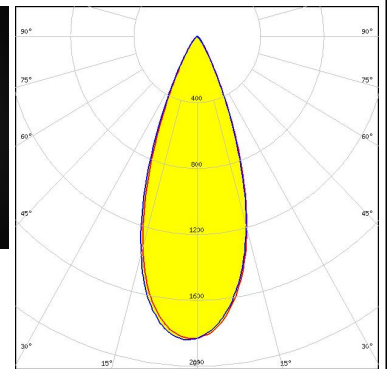
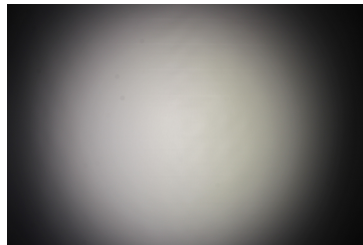
LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 38.0° / 59.0°  
Efficiency 86 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

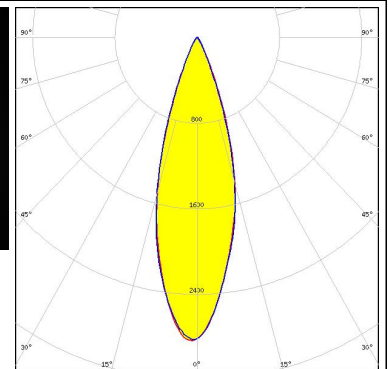
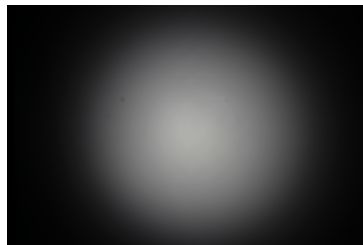
LED OSCONIQ P 7070  
FWHM / FWTM 39.0° / 62.0°  
Efficiency 85 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



##### OSRAM

Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)  
FWHM / FWTM 31.0° / 51.0°  
Efficiency 85 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

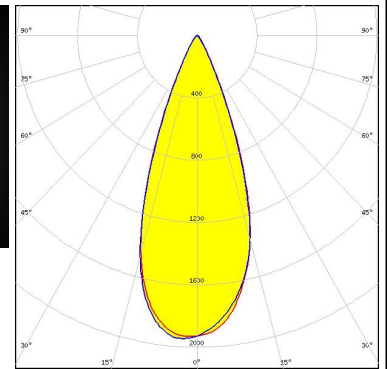
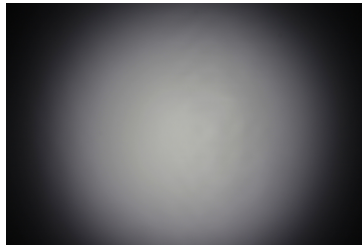


#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

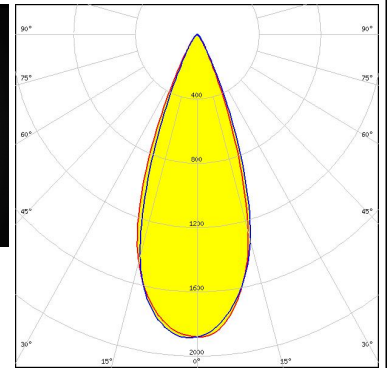
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 39.0° / 59.0°  
 Efficiency 85 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

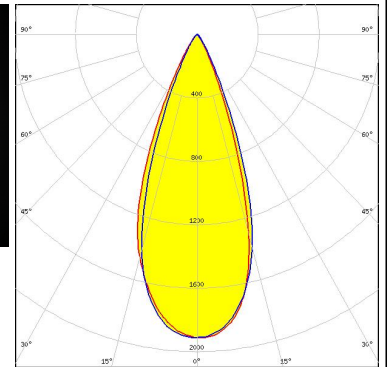
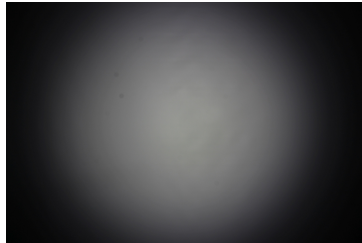
LED OSLON Square EC  
 FWHM / FWTM 39.0° / 59.0°  
 Efficiency 84 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

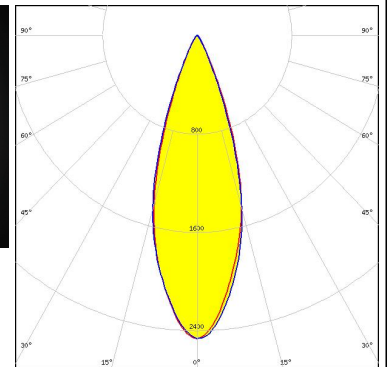
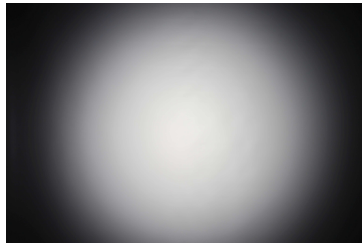
LED OSLON Square PC  
 FWHM / FWTM 39.0° / 60.0°  
 Efficiency 85 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

LED OSLON SSL 150  
 FWHM / FWTM 34.0° / 54.0°  
 Efficiency 85 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

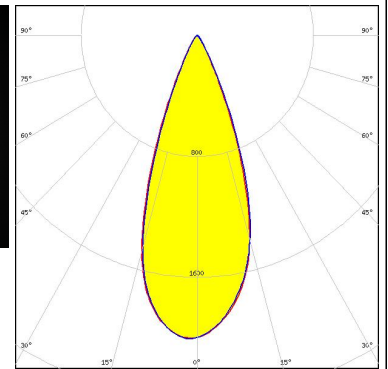
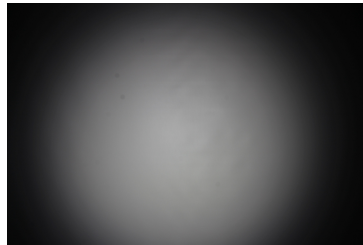


### OPTICAL RESULTS (MEASURED):

#### OSRAM

Opto Semiconductors

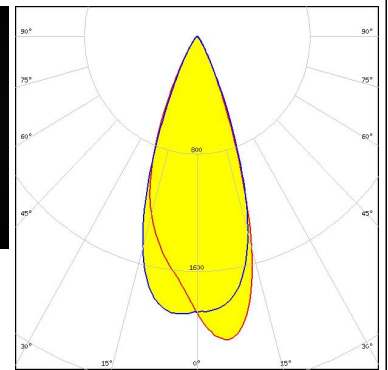
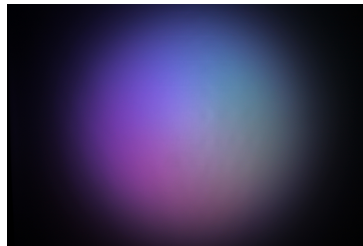
LED OSLON SSL 80  
FWHM / FWTM 38.0° / 58.0°  
Efficiency 85 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

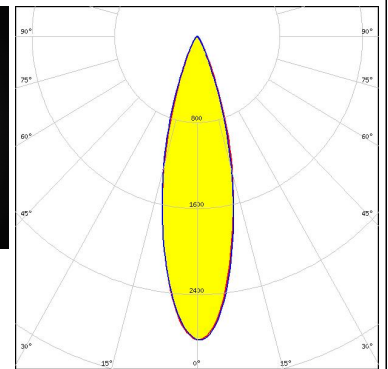
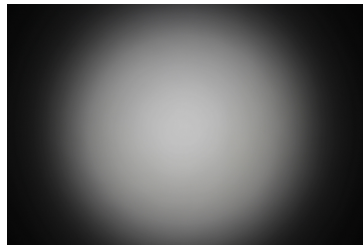
Opto Semiconductors

LED OSTAR Stage (S2WN)  
FWHM / FWTM 38.0° / 59.0°  
Efficiency 85 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour RGBW  
Required components:



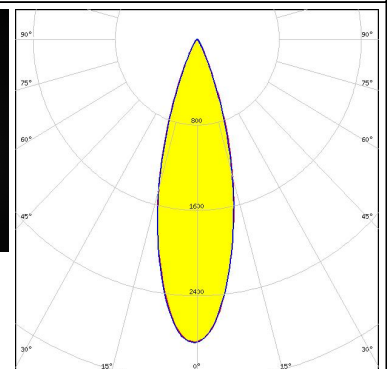
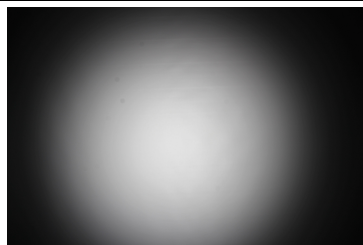
#### SAMSUNG

LED LH181A  
FWHM / FWTM 28.0° / 51.0°  
Efficiency 82 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

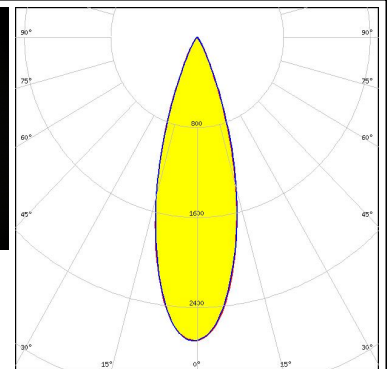
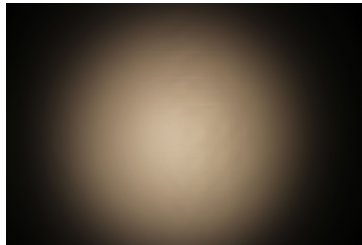
LED LH181B  
FWHM / FWTM 30.0° / 51.0°  
Efficiency 85 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

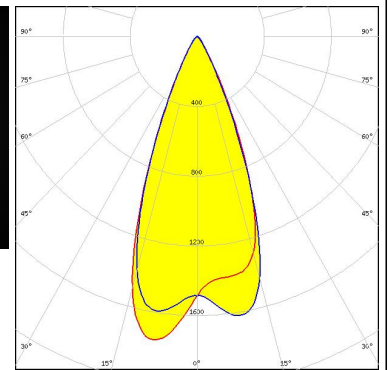
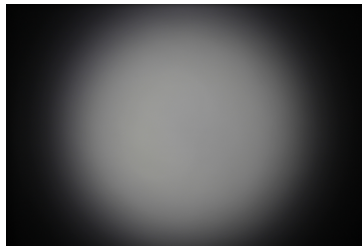
#### SAMSUNG

LED LH231B  
FWHM / FWTM 31.0° / 53.0°  
Efficiency 86 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



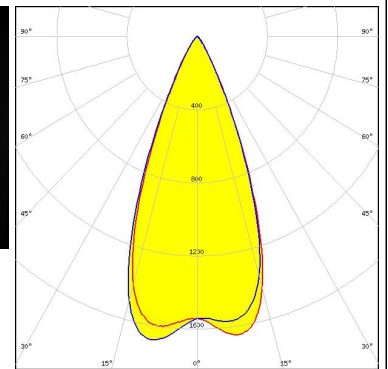
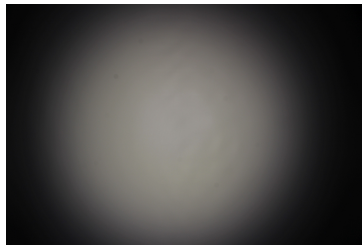
#### SAMSUNG

LED LH351B  
FWHM / FWTM 41.0° / 61.0°  
Efficiency 85 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



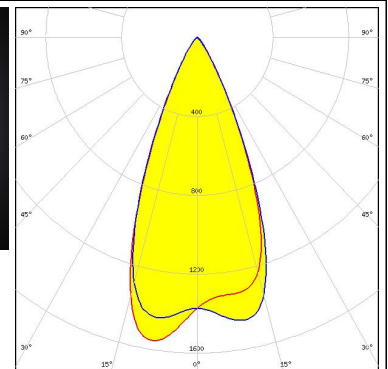
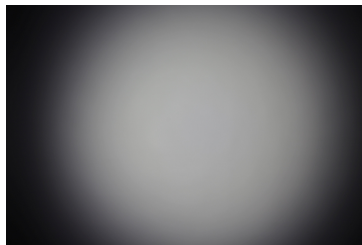
#### SAMSUNG

LED LH351C  
FWHM / FWTM 43.0° / 62.0°  
Efficiency 86 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

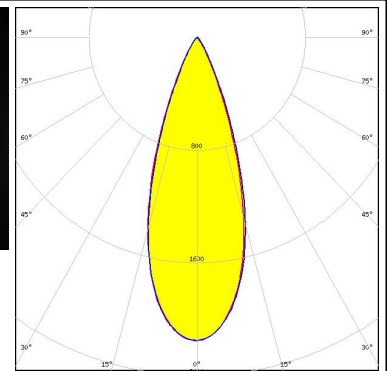
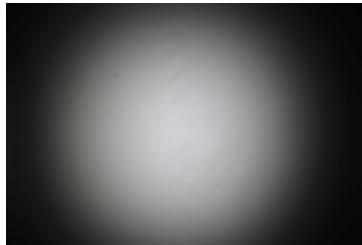
LED LH351D  
FWHM / FWTM 44.0° / 65.0°  
Efficiency 85 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

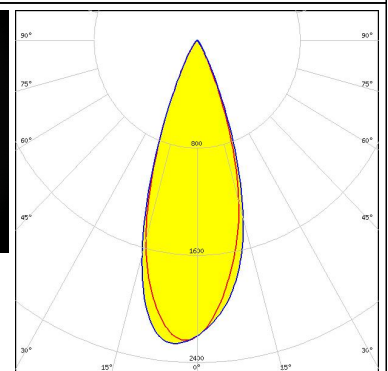
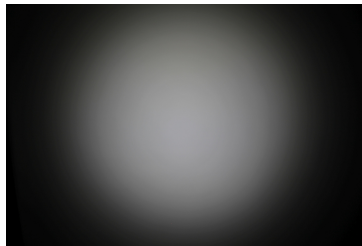
#### SAMSUNG

LED LH508A  
FWHM / FWTM 36.0° / 58.0°  
Efficiency 86 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



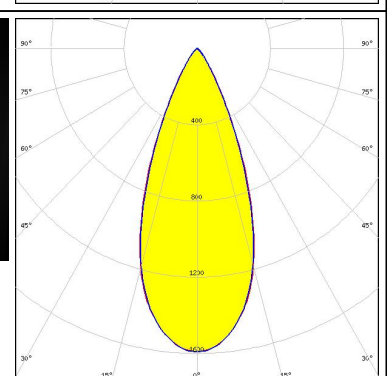
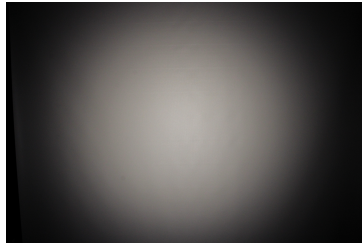
#### SAMSUNG

LED LM561B  
FWHM / FWTM 36.0° / 57.0°  
Efficiency 86 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



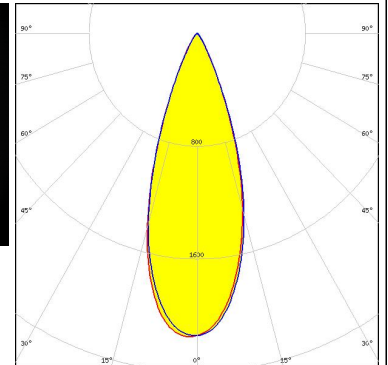
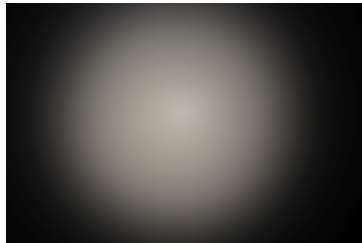
SEOUL SEMICONDUCTOR

LED WICOP 5050  
FWHM / FWTM 42.0° / 67.0°  
Efficiency 83 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

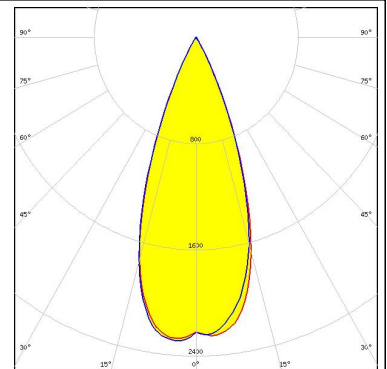
LED Z5M3  
FWHM / FWTM 36.0° / 58.0°  
Efficiency 85 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



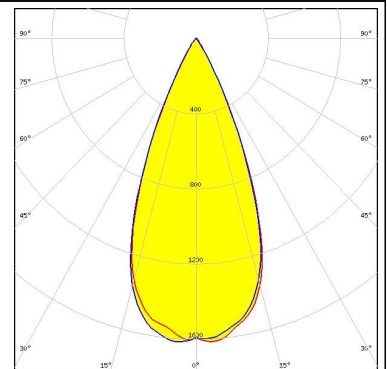
### OPTICAL RESULTS (SIMULATED):



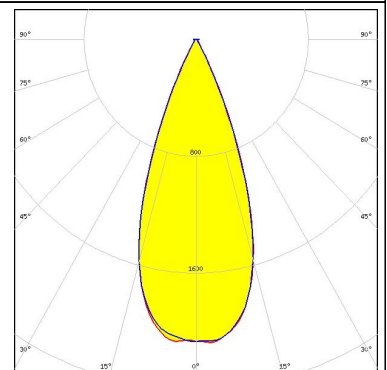
LED J Series 5050 Round LES  
FWHM / FWTM 40.0° / 56.0°  
Efficiency 94 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



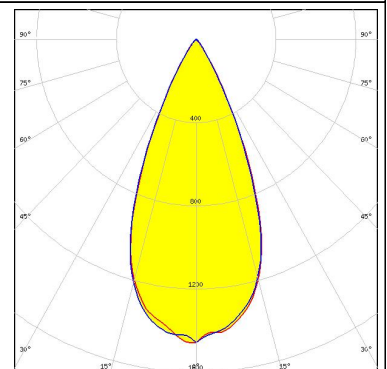
LED XHP50.3 HD  
FWHM / FWTM 44.0° / 62.0°  
Efficiency 84 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP50.3 HI  
FWHM / FWTM 40.0° / 58.0°  
Efficiency 95 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



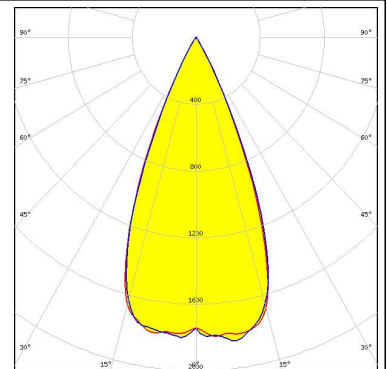
LED XHP70.3 HD  
FWHM / FWTM 46.0° / 66.0°  
Efficiency 83 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



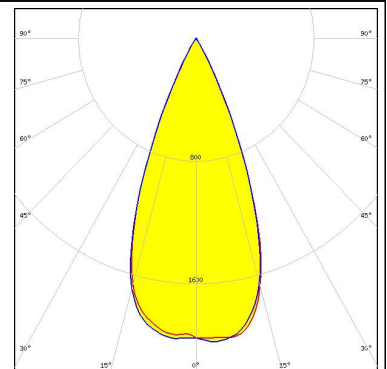
### OPTICAL RESULTS (SIMULATED):



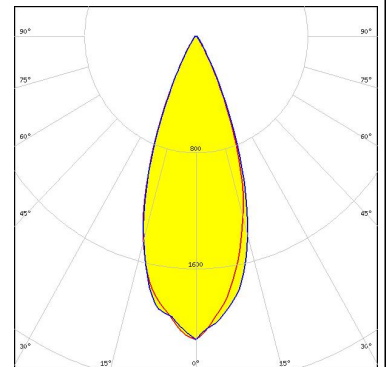
LED XM-L  
FWHM / FWTM 45.0° / 60.0°  
Efficiency 93 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



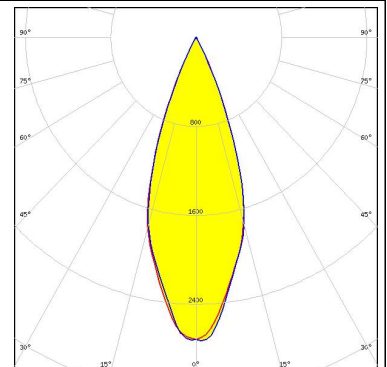
LED XM-L2  
FWHM / FWTM 43.0° / 58.0°  
Efficiency 93 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 7070  
FWHM / FWTM 38.0° / 60.0°  
Efficiency 94 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



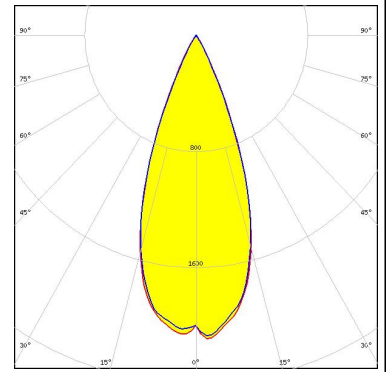
LED SST-20  
FWHM / FWTM 36.0° / 54.0°  
Efficiency 93 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



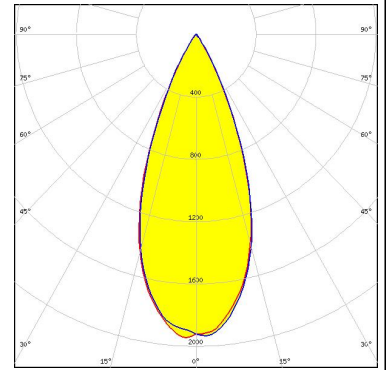
### OPTICAL RESULTS (SIMULATED):



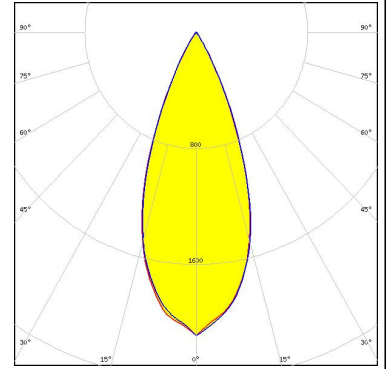
LED SST-70X-WCS  
FWHM / FWTM 40.0° / 58.0°  
Efficiency 88 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



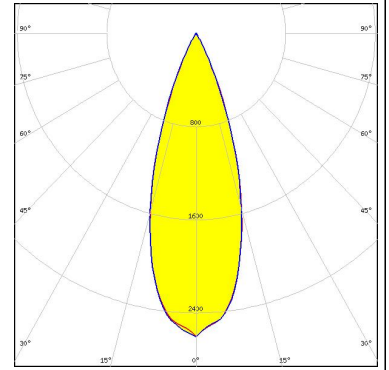
LED COB S-Type (LES 7)  
FWHM / FWTM 42.0° / 64.0°  
Efficiency 93 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED COB T-Type  
FWHM / FWTM 40.0° / 62.0°  
Efficiency 93 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



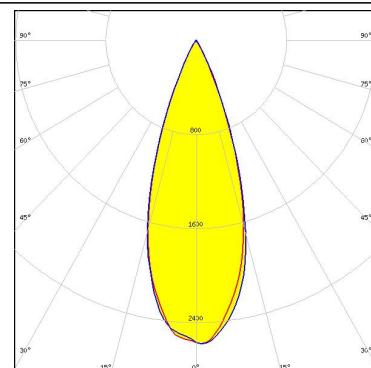
LED NCSxE17A  
FWHM / FWTM 34.0° / 54.0°  
Efficiency 90 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 4  
Light colour White  
Required components:



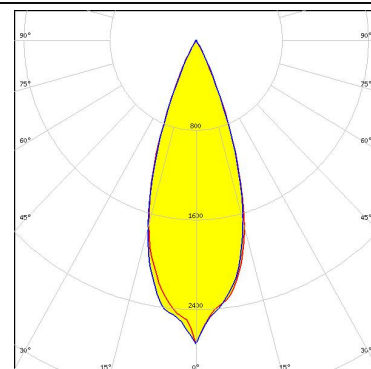
### OPTICAL RESULTS (SIMULATED):



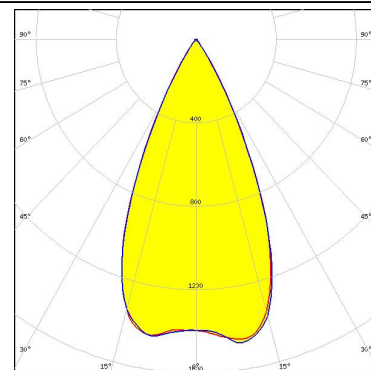
LED NFMW48xA  
FWHM / FWTM 36.0° / 55.0°  
Efficiency 93 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



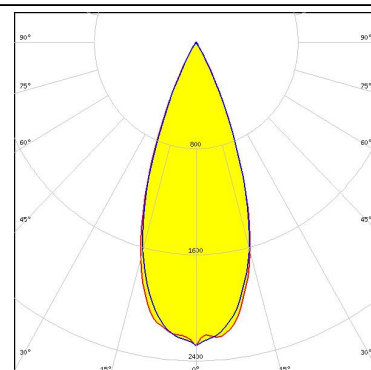
LED NV4WB35AM  
FWHM / FWTM 36.0° / 54.0°  
Efficiency 94 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NV4x144A  
FWHM / FWTM 48.0° / 66.0°  
Efficiency 90 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Duris S8  
FWHM / FWTM 39.0° / 58.0°  
Efficiency 94 %  
Peak intensity 2.3 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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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