

## OLGA-S

~11° spot beam beam. Assembly with holder and installation tape.

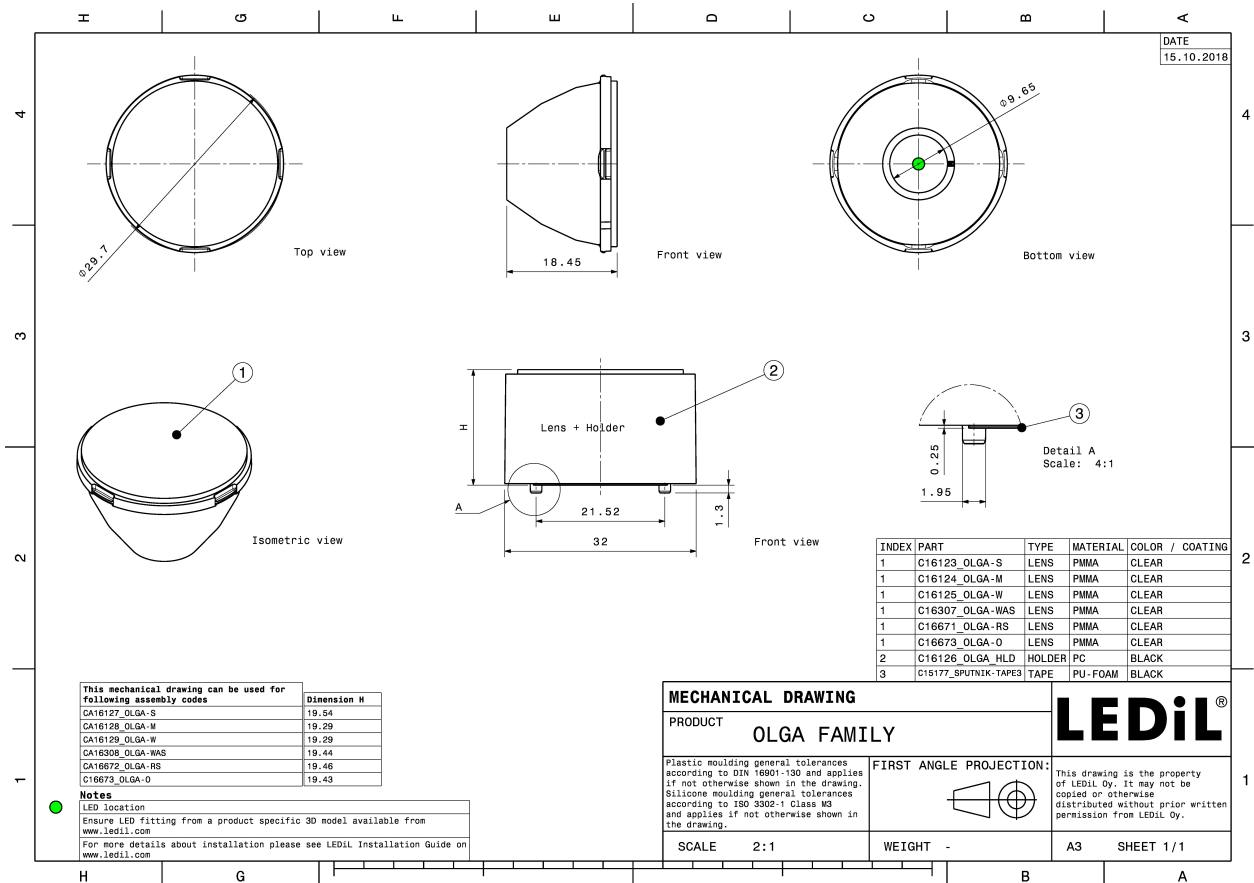
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
Colour	black
Box size	476 x 273 x 292 mm
Box weight	9.8 kg
Quantity in Box	792 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

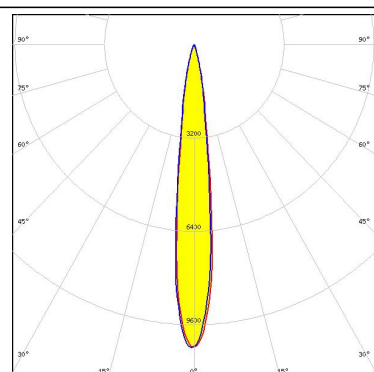
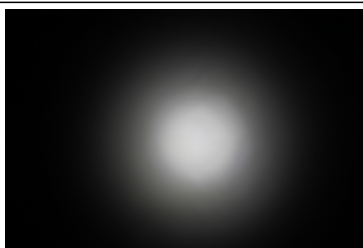
Component	Type	Material	Colour
OLGA-S	Single lens	PMMA	clear
OLGA-HLD	Holder	PC	black
SPUTNIK-TAPE3	Tape	PU tape	black



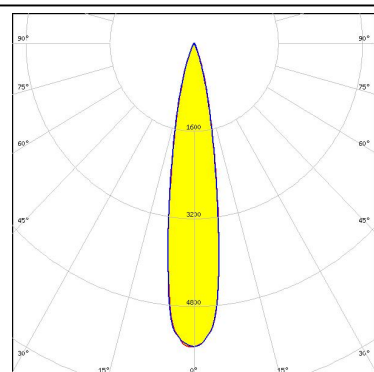
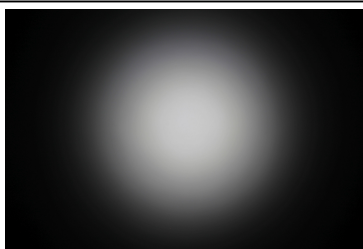
#### PHOTOMETRIC DATA (MEASURED):



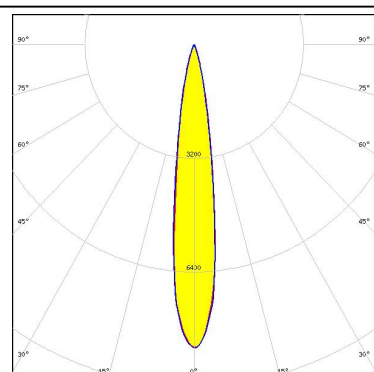
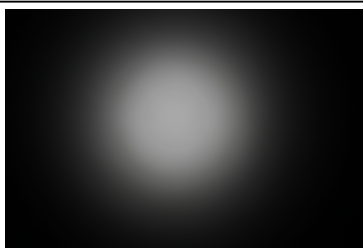
LED XD16  
FWHM 13.0°  
Efficiency 82 %  
Peak intensity 10.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



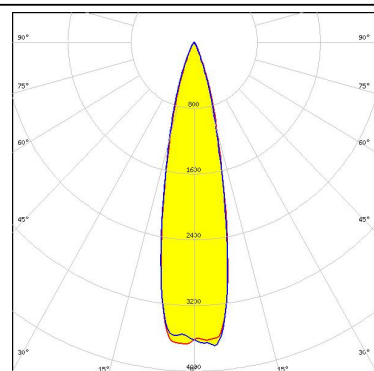
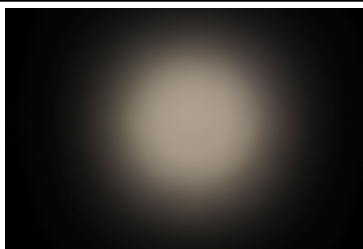
LED XHP35 HD  
FWHM 19.0°  
Efficiency 83 %  
Peak intensity 5.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP35 HI  
FWHM 15.0°  
Efficiency 87 %  
Peak intensity 8.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



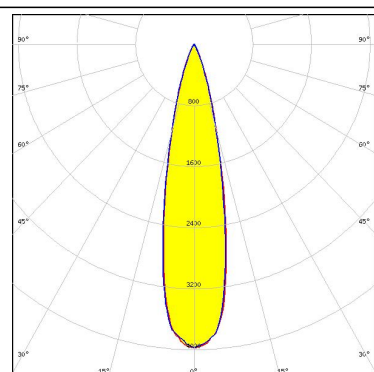
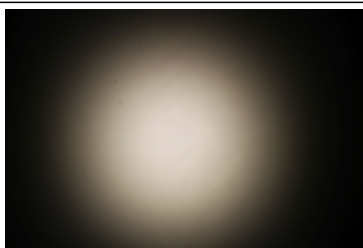
LED XHP50  
FWHM 24.0°  
Efficiency 83 %  
Peak intensity 3.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



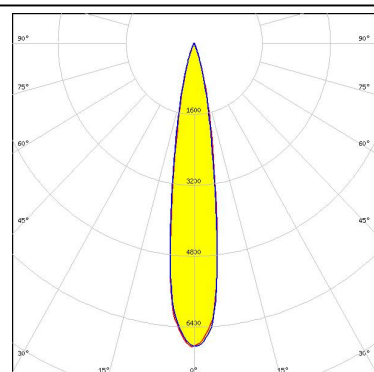
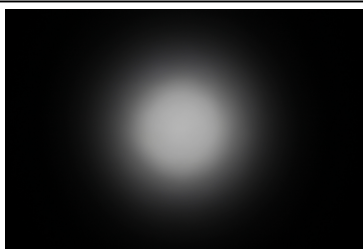
#### PHOTOMETRIC DATA (MEASURED):



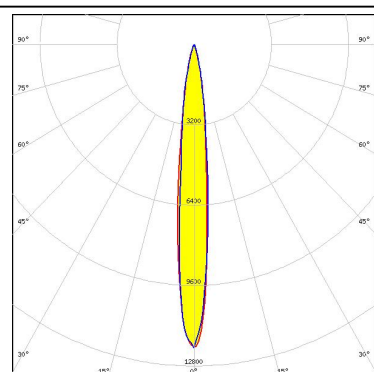
LED XHP50.2  
FWHM 23.0°  
Efficiency 82 %  
Peak intensity 4.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



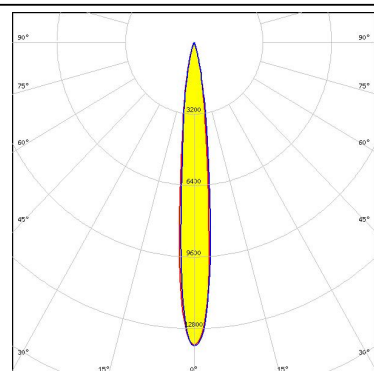
LED XM-L  
FWHM 17.0°  
Efficiency 86 %  
Peak intensity 6.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E  
FWHM 11.0°  
Efficiency 87 %  
Peak intensity 12.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 13.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

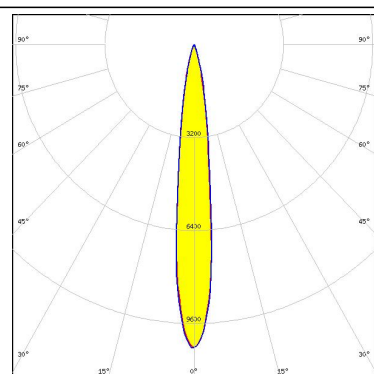




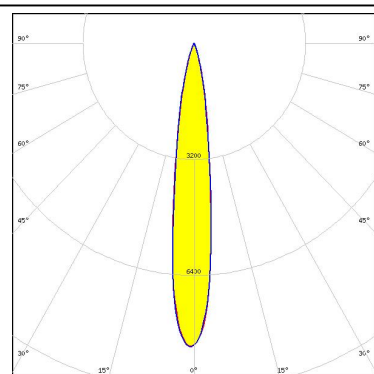
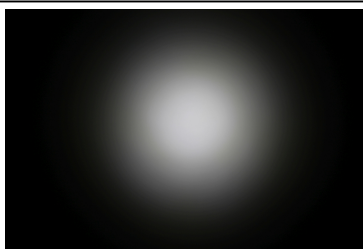
### PHOTOMETRIC DATA (MEASURED):



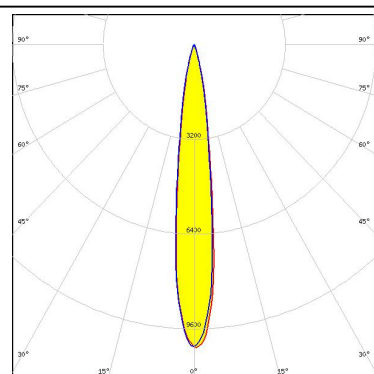
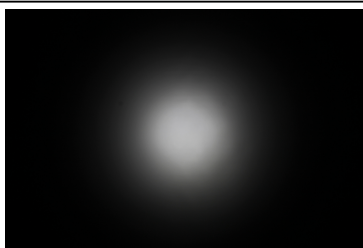
LED XP-G2  
FWHM 13.0°  
Efficiency 87 %  
Peak intensity 10.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



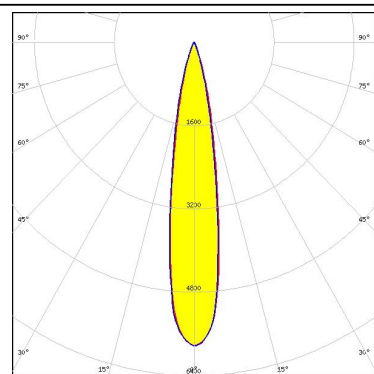
LED XP-G3  
FWHM 14.0°  
Efficiency 86 %  
Peak intensity 8.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-L HI  
FWHM 14.0°  
Efficiency 88 %  
Peak intensity 10.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



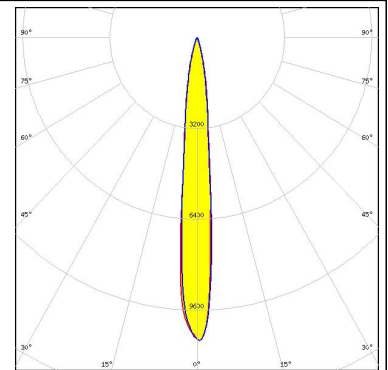
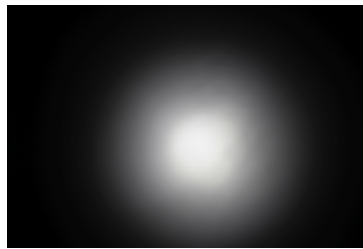
LED XP-L2  
FWHM 18.0°  
Efficiency 82 %  
Peak intensity 5.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



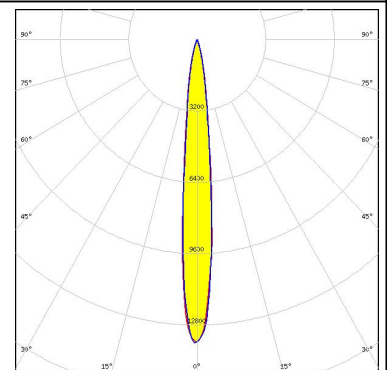
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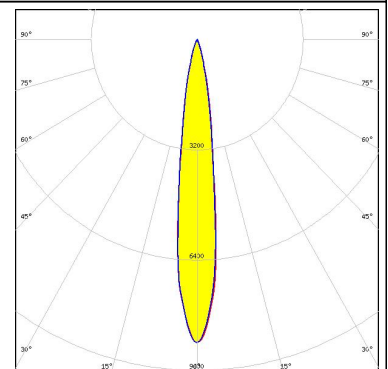
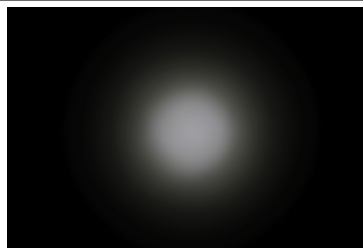
LED XQ-E HD  
FWHM 11.0°  
Efficiency 81 %  
Peak intensity 11.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



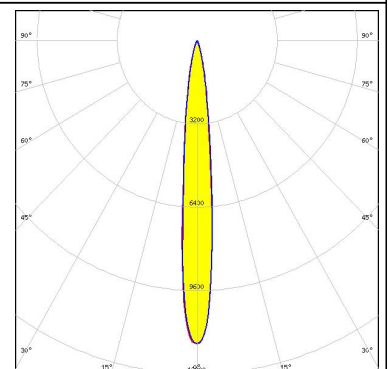
LED XQ-E HI  
FWHM 11.0°  
Efficiency 86 %  
Peak intensity 13.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XT-E  
FWHM 14.0°  
Efficiency 84 %  
Peak intensity 8.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



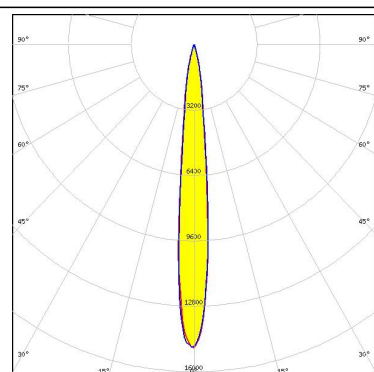
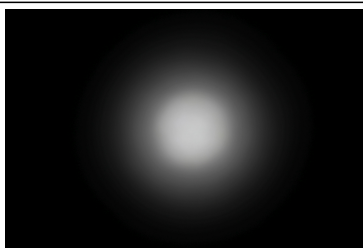
LED LUXEON C  
FWHM 11.0°  
Efficiency 84 %  
Peak intensity 11.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

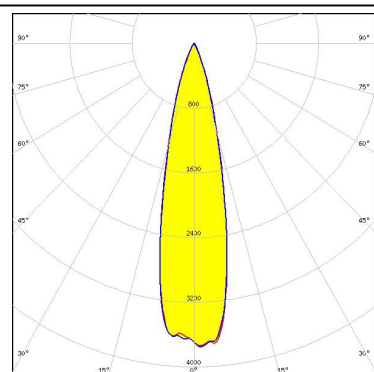
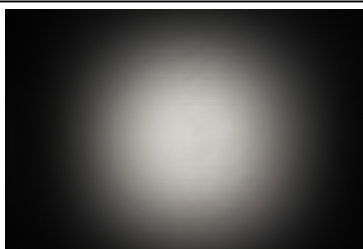
#### LUMILEDS

LED LUXEON CZ  
FWHM 11.0°  
Efficiency 89 %  
Peak intensity 14.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



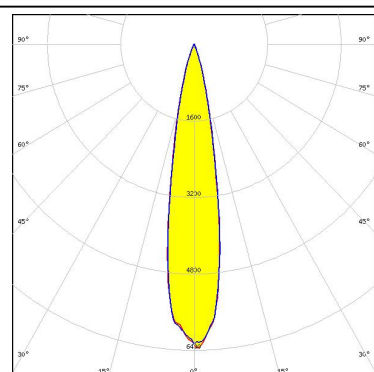
#### LUMILEDS

LED LUXEON M/MX  
FWHM 24.0°  
Efficiency 84 %  
Peak intensity 3.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



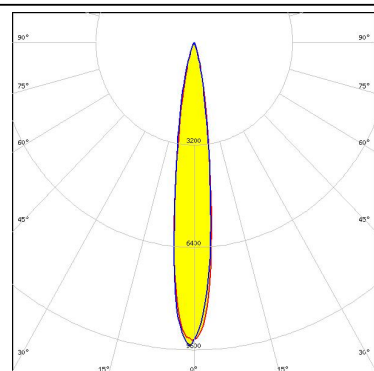
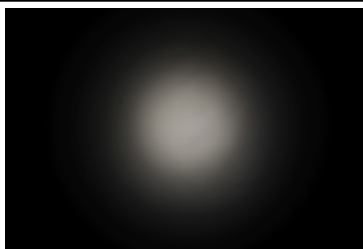
#### LUMILEDS

LED LUXEON MZ  
FWHM 19.0°  
Efficiency 86 %  
Peak intensity 6.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

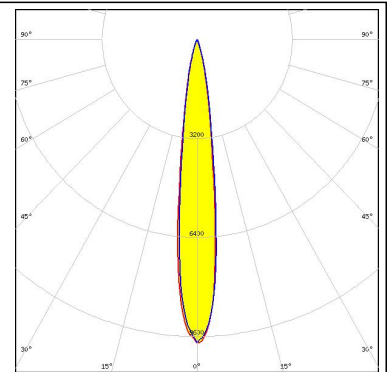
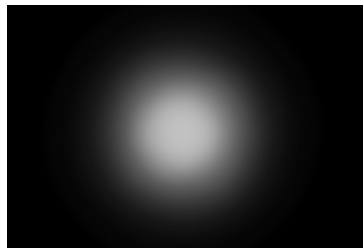
LED LUXEON Rebel ES  
FWHM 14.0°  
Efficiency 86 %  
Peak intensity 9.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



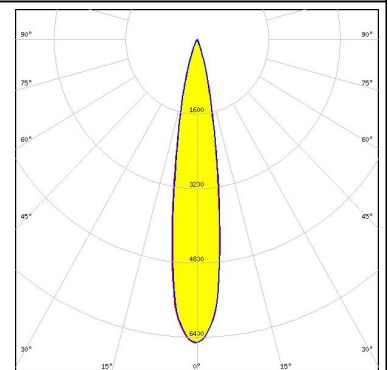
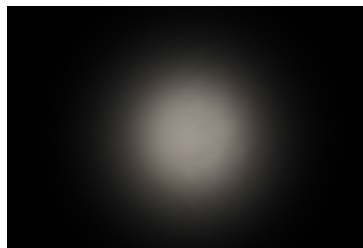
### PHOTOMETRIC DATA (MEASURED):



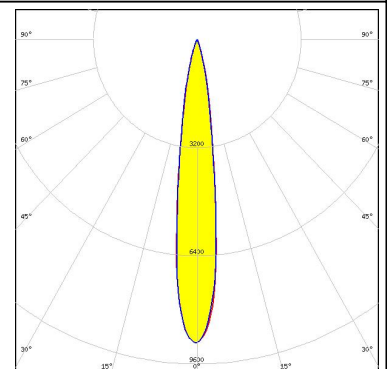
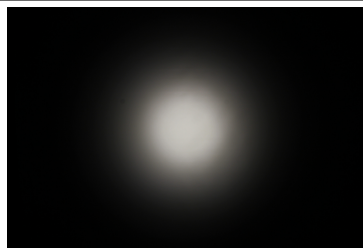
LED LUXEON TX  
FWHM 14.0°  
Efficiency 86 %  
Peak intensity 9.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



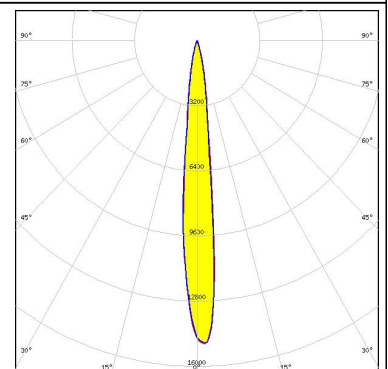
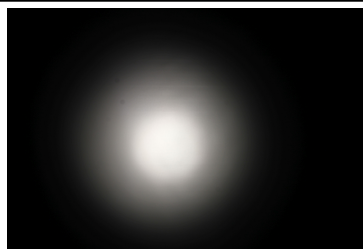
LED LUXEON V  
FWHM 18.0°  
Efficiency 84 %  
Peak intensity 6.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON V2  
FWHM 15.0°  
Efficiency 86 %  
Peak intensity 9.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



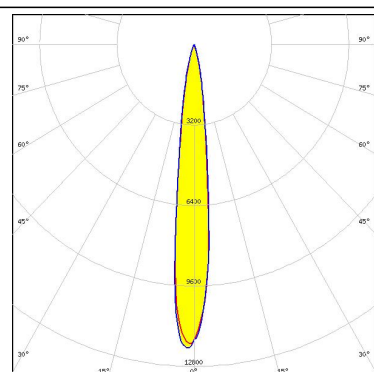
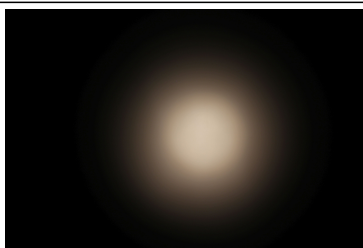
LED LUXEON Z  
FWHM 11.0°  
Efficiency 88 %  
Peak intensity 15.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



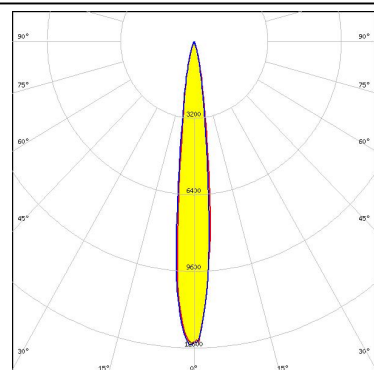
### PHOTOMETRIC DATA (MEASURED):



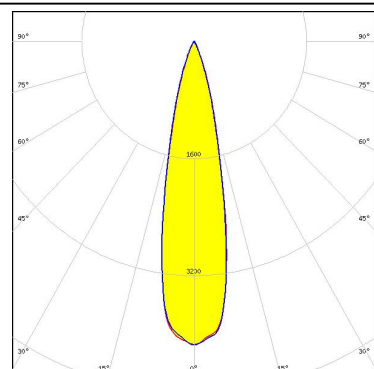
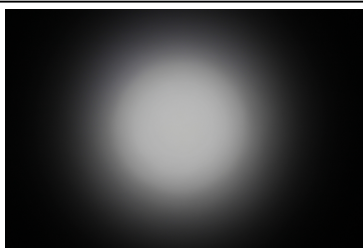
LED LUXEON Z ES  
FWHM 12.0°  
Efficiency 89 %  
Peak intensity 12.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



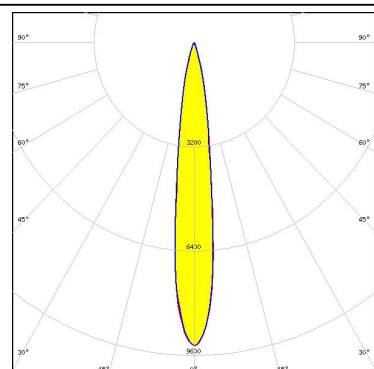
LED NCSxE17A  
FWHM 12.0°  
Efficiency 87 %  
Peak intensity 12.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NV4x144A  
FWHM 23.0°  
Efficiency 84 %  
Peak intensity 4.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSW219D  
FWHM 14.0°  
Efficiency 85 %  
Peak intensity 9.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

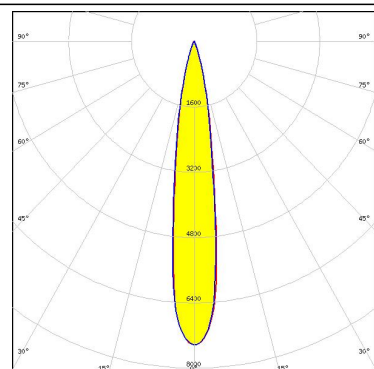




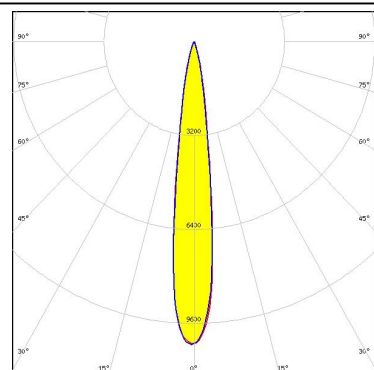
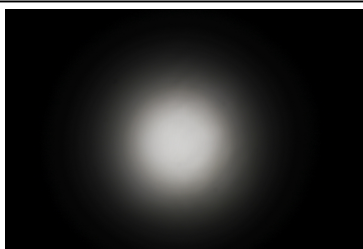
### PHOTOMETRIC DATA (MEASURED):



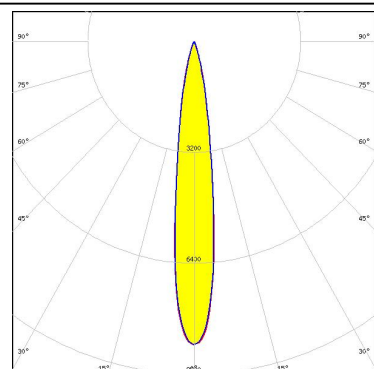
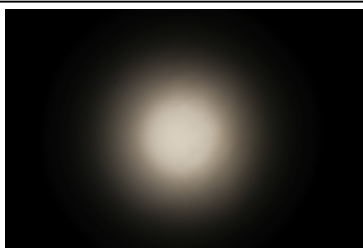
LED NVSW319B  
FWHM 16.0°  
Efficiency 86 %  
Peak intensity 7.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



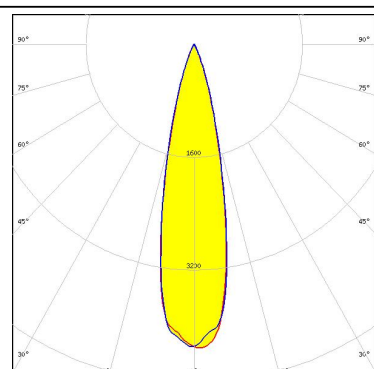
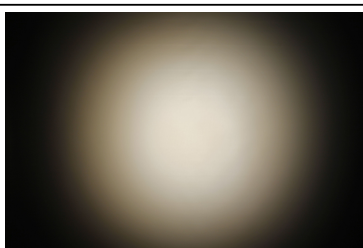
LED NVSxE21A  
FWHM 14.0°  
Efficiency 87 %  
Peak intensity 10.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM 15.0°  
Efficiency 85 %  
Peak intensity 8.800 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Duris S8  
FWHM 24.0°  
Efficiency 86 %  
Peak intensity 4.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

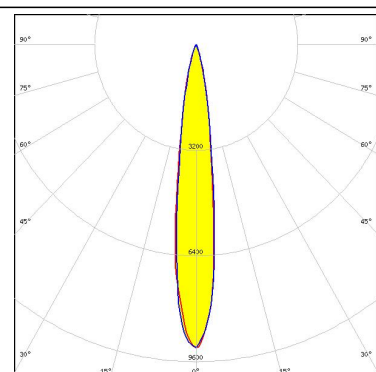
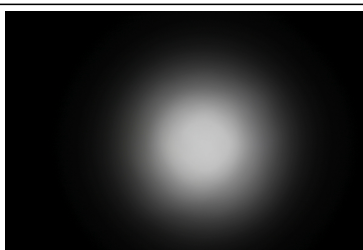




### PHOTOMETRIC DATA (MEASURED):

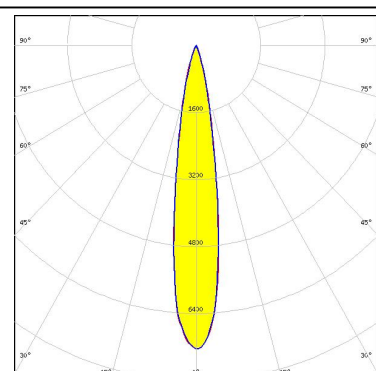
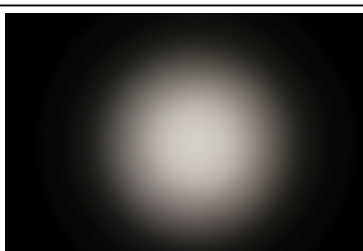
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
FWHM 14.0°  
Efficiency 87 %  
Peak intensity 9.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



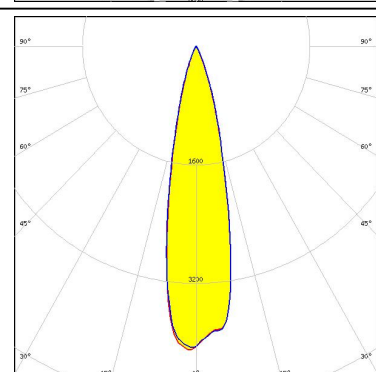
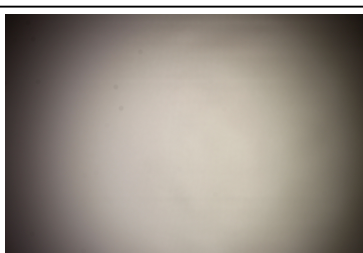
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
FWHM 17.0°  
Efficiency 86 %  
Peak intensity 7.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



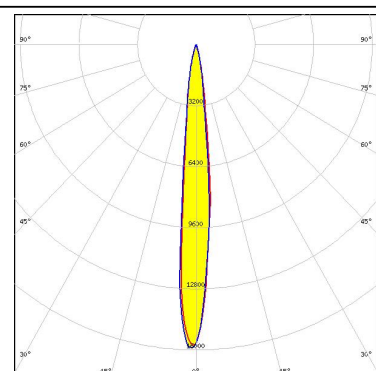
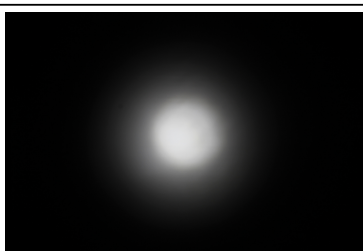
**OSRAM**  
Opto Semiconductors

LED OSCONIQ P 7070  
FWHM 23.0°  
Efficiency 84 %  
Peak intensity 4.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**OSRAM**  
Opto Semiconductors

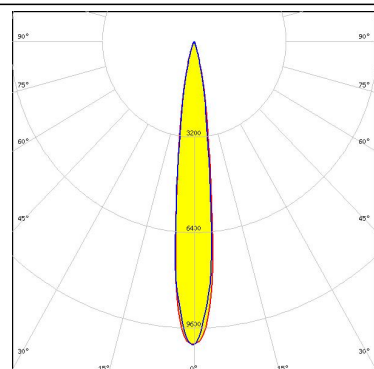
LED OSLON Black Flat  
FWHM 11.0°  
Efficiency 88 %  
Peak intensity 16.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

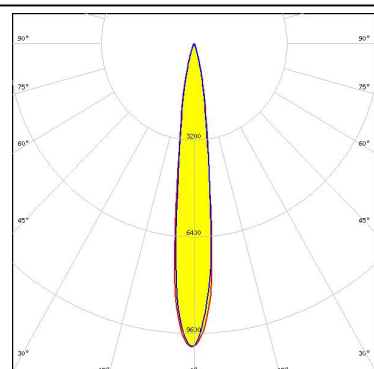
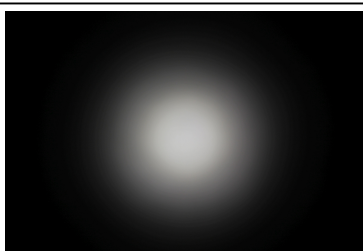
**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
FWHM 14.0°  
Efficiency 87 %  
Peak intensity 10.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



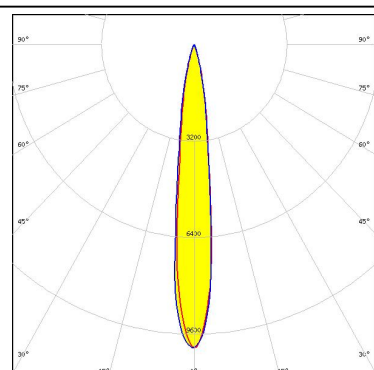
**OSRAM**  
Opto Semiconductors

LED OSLON Square EC  
FWHM 13.0°  
Efficiency 85 %  
Peak intensity 10.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



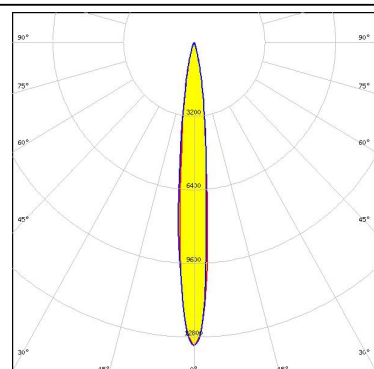
**OSRAM**  
Opto Semiconductors

LED OSLON Square PC  
FWHM 13.0°  
Efficiency 85 %  
Peak intensity 10.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**OSRAM**  
Opto Semiconductors

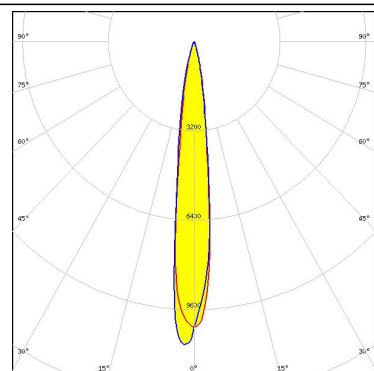
LED OSLON SSL 150  
FWHM 11.0°  
Efficiency 87 %  
Peak intensity 13.000 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

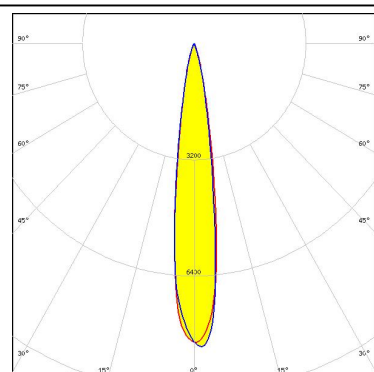
**OSRAM**  
Opto Semiconductors

LED OSLON SSL 80  
FWHM 13.0°  
Efficiency 86 %  
Peak intensity 11.100 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



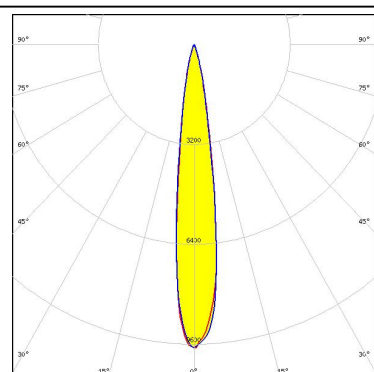
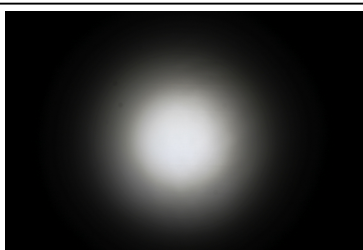
**SAMSUNG**

LED LH181A  
FWHM 15.0°  
Efficiency 81 %  
Peak intensity 8.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



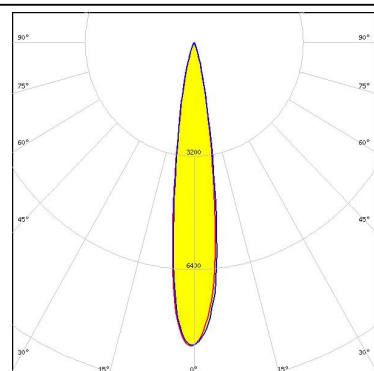
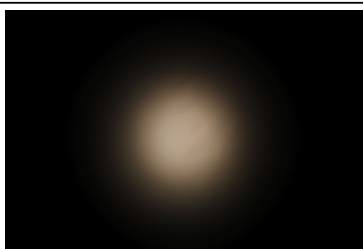
**SAMSUNG**

LED LH181B  
FWHM 15.0°  
Efficiency 87 %  
Peak intensity 9.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**SAMSUNG**

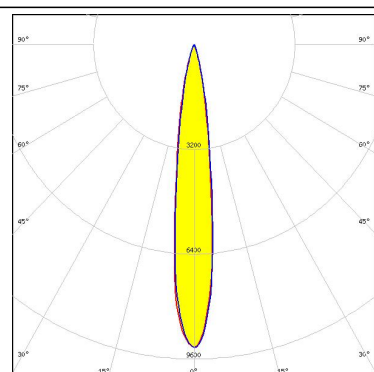
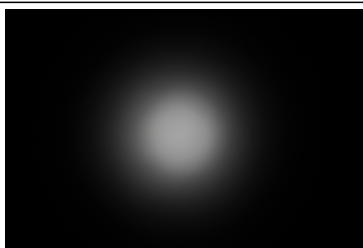
LED LH231B  
FWHM 16.0°  
Efficiency 88 %  
Peak intensity 8.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

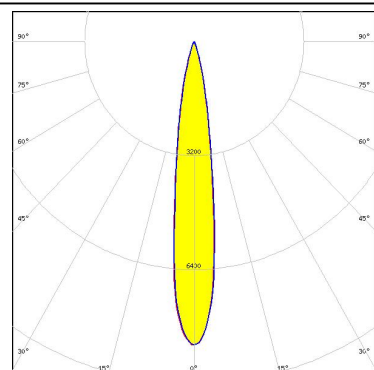
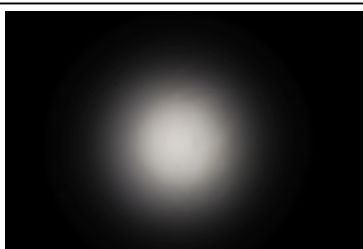
#### SAMSUNG

LED LH351B  
FWHM 14.0°  
Efficiency 87 %  
Peak intensity 9.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



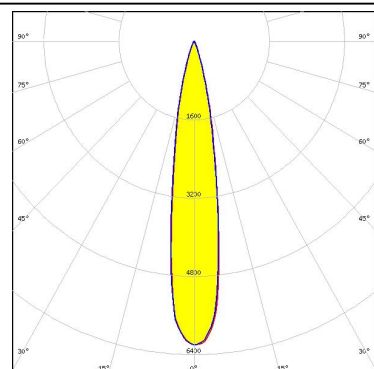
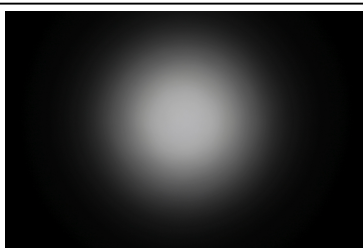
#### SAMSUNG

LED LH351C  
FWHM 15.0°  
Efficiency 86 %  
Peak intensity 8.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



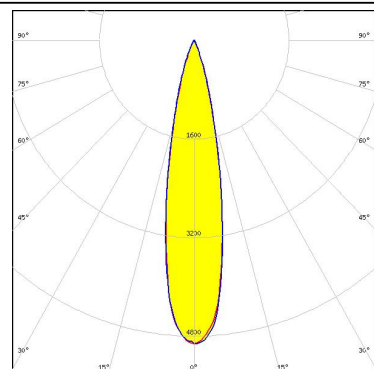
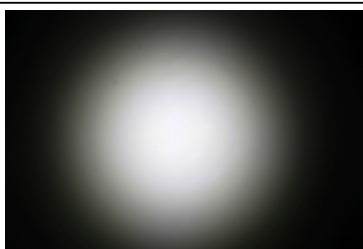
#### SAMSUNG

LED LH351D  
FWHM 18.0°  
Efficiency 85 %  
Peak intensity 6.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

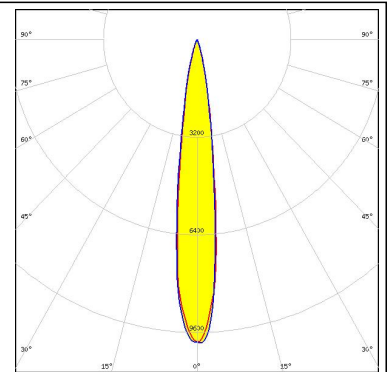
LED LH508A  
FWHM 21.0°  
Efficiency 86 %  
Peak intensity 4.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

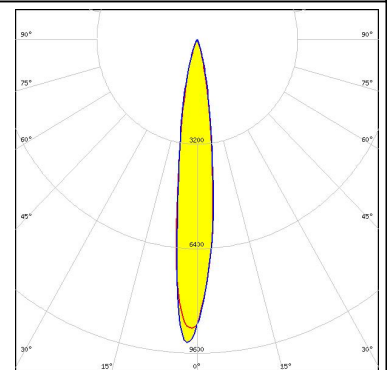
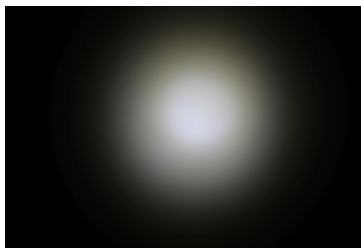
#### SAMSUNG

LED LM302A  
FWHM 14.0°  
Efficiency 89 %  
Peak intensity 9.900 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



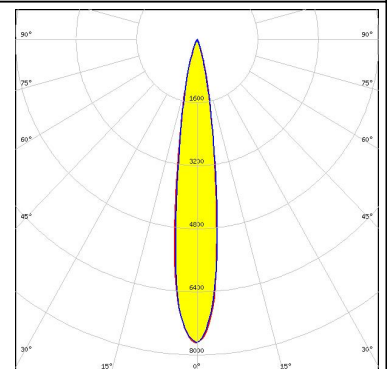
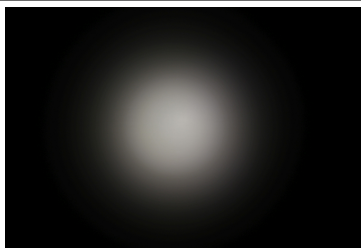
#### SAMSUNG

LED LM561B  
FWHM 14.0°  
Efficiency 88 %  
Peak intensity 9.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

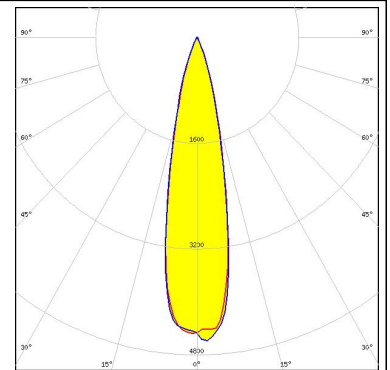
LED Z5M3  
FWHM 16.0°  
Efficiency 84 %  
Peak intensity 7.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



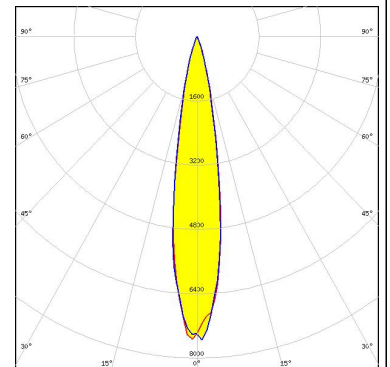
### PHOTOMETRIC DATA (SIMULATED):



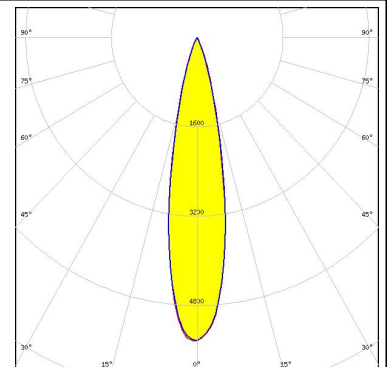
LED XHP50  
FWHM 23.0°  
Efficiency 86 %  
Peak intensity 4.639 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON MZ  
FWHM 18.0°  
Efficiency 90 %  
Peak intensity 7.594 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NFMW48xA  
FWHM 21.0°  
Efficiency 89 %  
Peak intensity 5.460 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.

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