

## 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
ROHS compliant	yes ⓘ

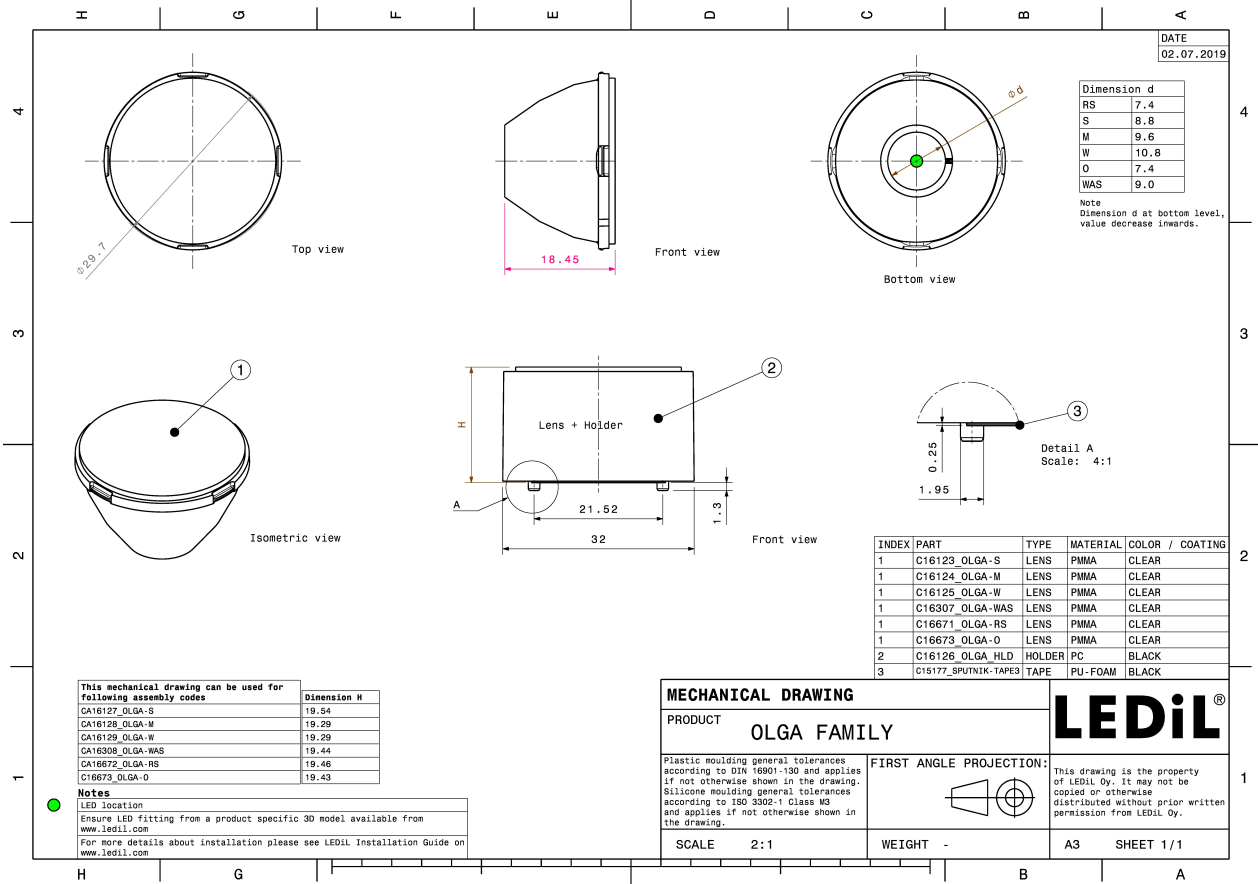
### MATERIAL SPECIFICATIONS:

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

### ORDERING INFORMATION:


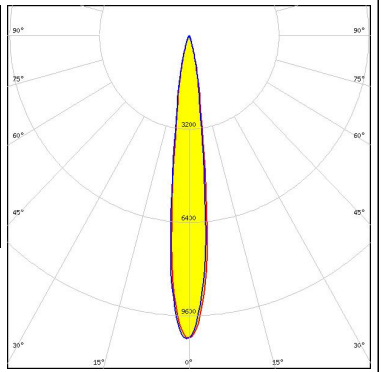

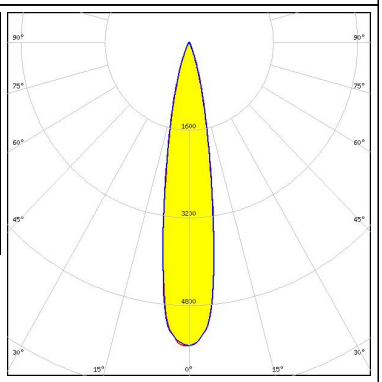

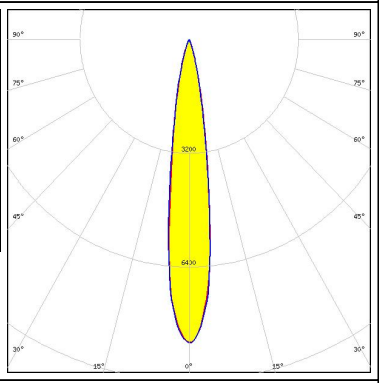

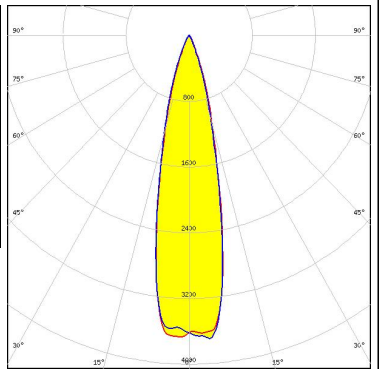
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA16127_OLGA-S	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					




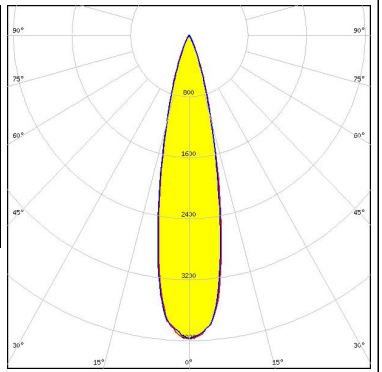

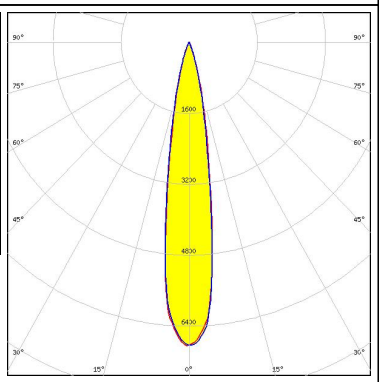
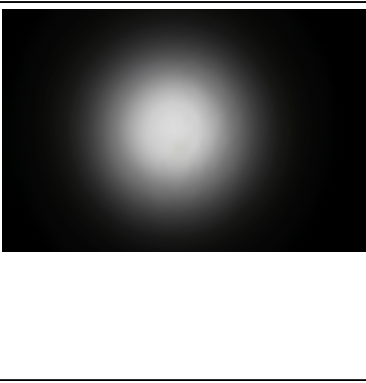
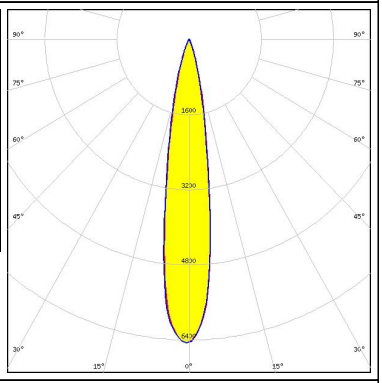

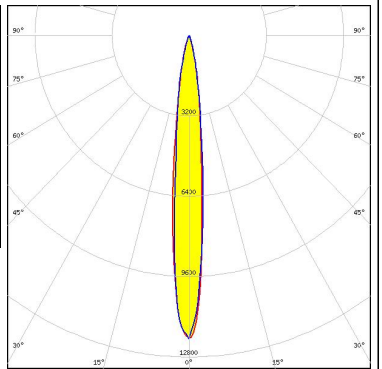


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


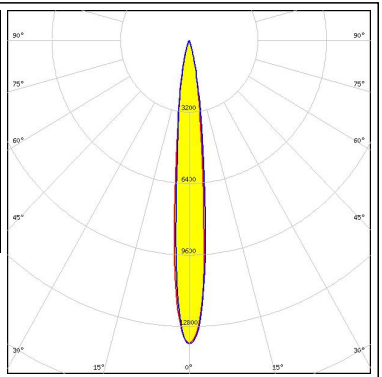

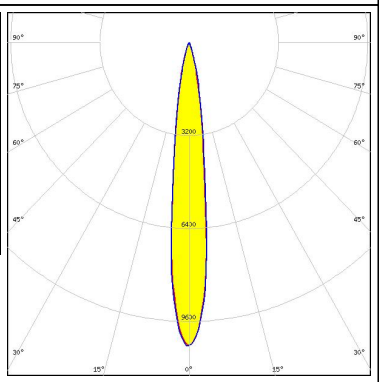

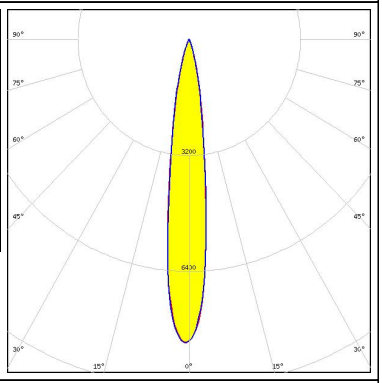

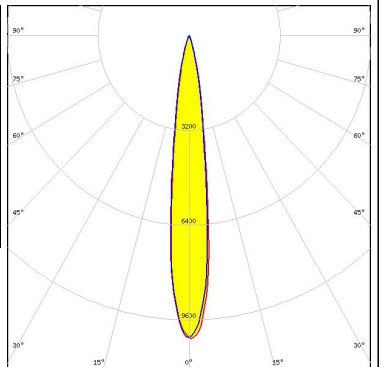
### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED           XD16            FWHM / FWTM   13.0° / 28.0°            Efficiency       82 %            Peak intensity   10.4 cd/lm            LEDs/each optic   1            Light colour     White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED           XHP35 HD            FWHM / FWTM   19.0° / 37.0°            Efficiency       83 %            Peak intensity   5.5 cd/lm            LEDs/each optic   1            Light colour     White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED           XHP35 HI            FWHM / FWTM   15.0° / 31.0°            Efficiency       87 %            Peak intensity   8.5 cd/lm            LEDs/each optic   1            Light colour     White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED           XHP50            FWHM / FWTM   24.0° / 44.0°            Efficiency       83 %            Peak intensity   3.7 cd/lm            LEDs/each optic   1            Light colour     White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE → LED</b></p> <p>LED XHP50.2            FWHM / FWTM 23.0° / 43.0°            Efficiency 82 %            Peak intensity 4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE → LED</b></p> <p>LED XM-L            FWHM / FWTM 17.0° / 34.0°            Efficiency 86 %            Peak intensity 6.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE → LED</b></p> <p>LED XM-L3            FWHM / FWTM 17.0° / 35.0°            Efficiency 85 %            Peak intensity 6.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE → LED</b></p> <p>LED XP-E            FWHM / FWTM 11.0° / 27.0°            Efficiency 87 %            Peak intensity 12.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

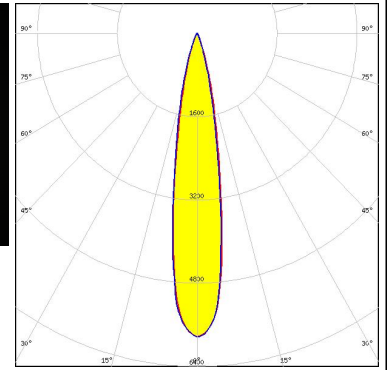
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED            XP-E2            FWHM / FWTM    11.0° / 26.0°            Efficiency        89 %            Peak intensity    13.6 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED            XP-G2            FWHM / FWTM    13.0° / 29.0°            Efficiency        87 %            Peak intensity    10 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED            XP-G3            FWHM / FWTM    14.0° / 31.0°            Efficiency        86 %            Peak intensity    8.4 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED            XP-L HI            FWHM / FWTM    14.0° / 29.0°            Efficiency        88 %            Peak intensity    10.2 cd/lm            LEDs/each optic    1            Light colour        White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

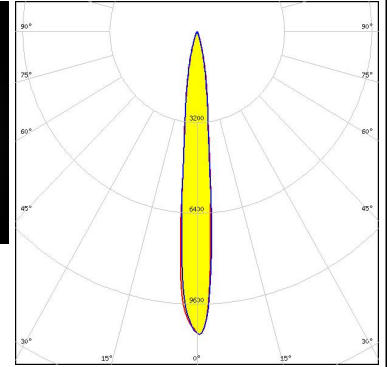
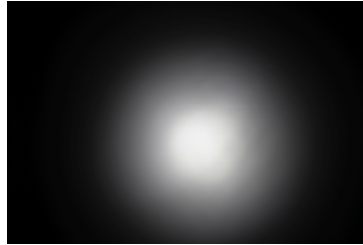
##### CREE LED

LED XP-L2  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 82 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



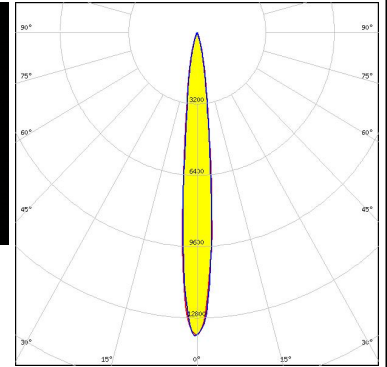
##### CREE LED

LED XQ-E HD  
 FWHM / FWTM 11.0° / 28.0°  
 Efficiency 81 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



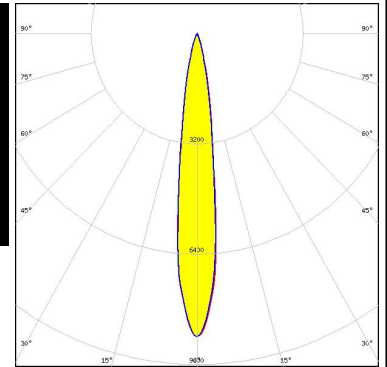
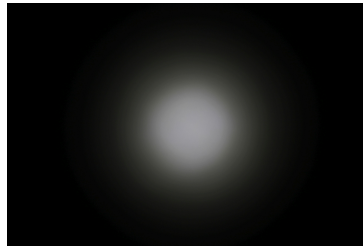
##### CREE LED

LED XQ-E HI  
 FWHM / FWTM 11.0° / 26.0°  
 Efficiency 86 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### CREE LED

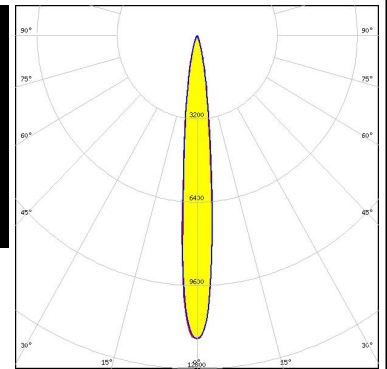
LED XT-E  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 84 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

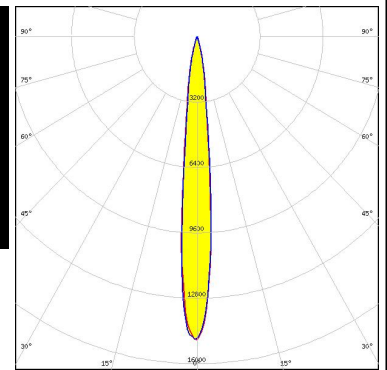
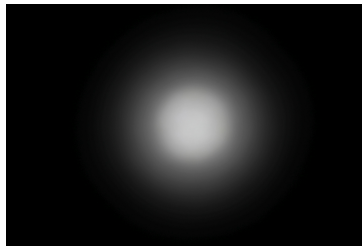
#### LUMILEDS

LED LUXEON C  
 FWHM / FWTM 11.0° / 27.0°  
 Efficiency 84 %  
 Peak intensity 11.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



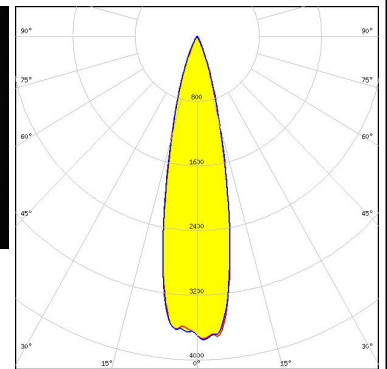
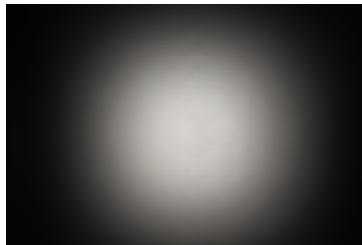
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 89 %  
 Peak intensity 14.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



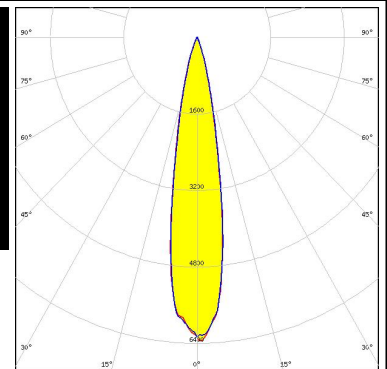
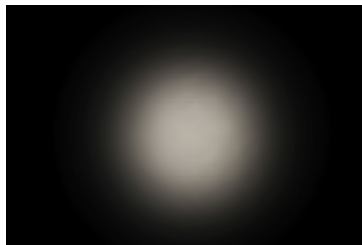
#### LUMILEDS

LED LUXEON M/MX  
 FWHM / FWTM 24.0° / 44.0°  
 Efficiency 84 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

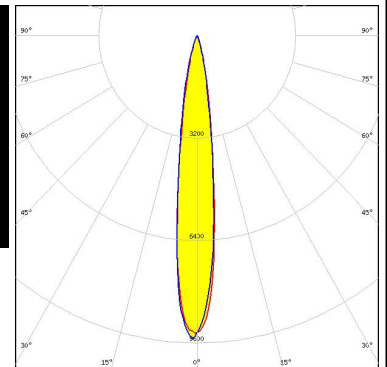
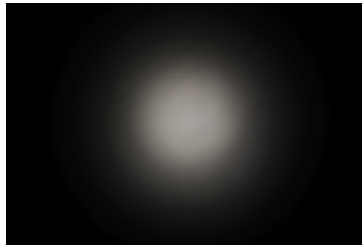
LED LUXEON MZ  
 FWHM / FWTM 19.0° / 35.0°  
 Efficiency 86 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

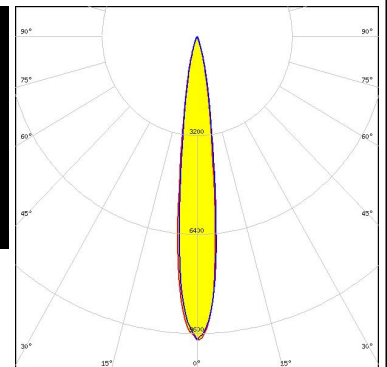
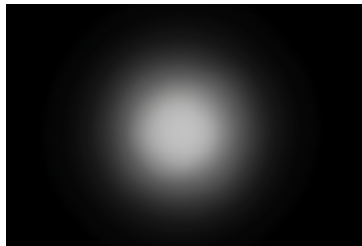
#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 9.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



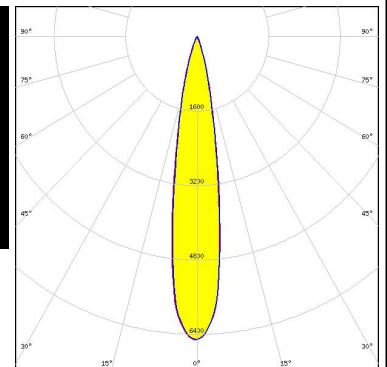
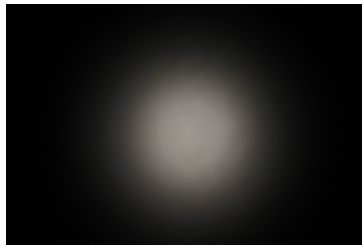
#### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 14.0° / 29.0°  
 Efficiency 86 %  
 Peak intensity 9.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



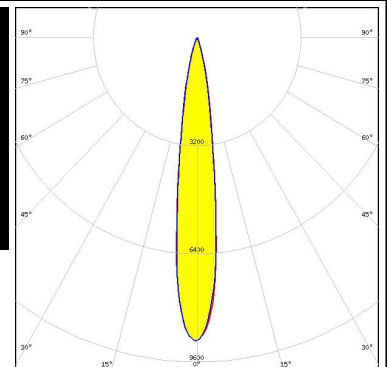
#### LUMILEDS

LED LUXEON V  
 FWHM / FWTM 18.0° / 35.0°  
 Efficiency 84 %  
 Peak intensity 6.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

LED LUXEON V2  
 FWHM / FWTM 15.0° / 31.0°  
 Efficiency 86 %  
 Peak intensity 9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

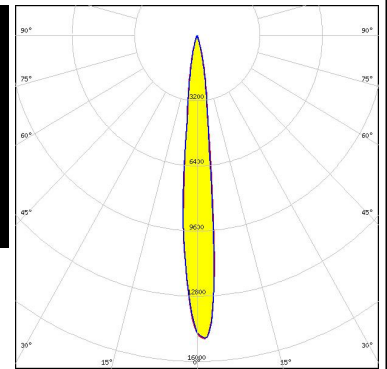
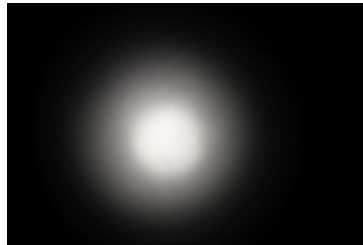




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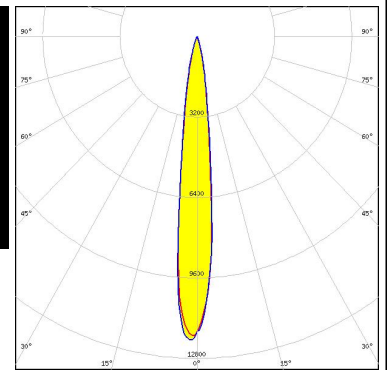
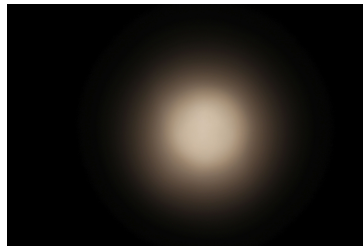
#### LUMILEDS

LED LUXEON Z  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 88 %  
 Peak intensity 15.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



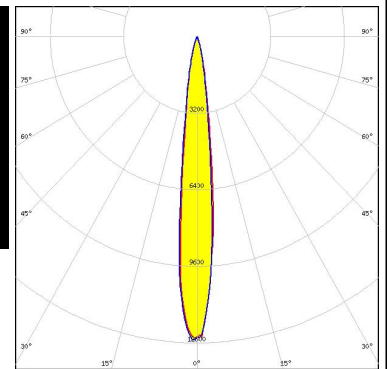
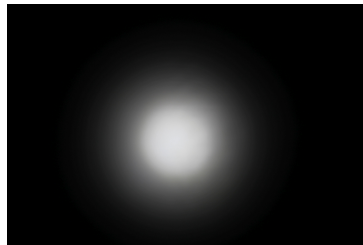
#### LUMILEDS

LED LUXEON Z ES  
 FWHM / FWTM 12.0° / 27.0°  
 Efficiency 89 %  
 Peak intensity 12.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



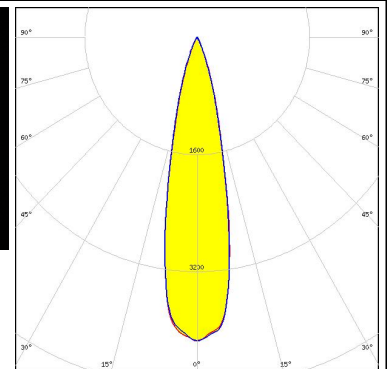
#### NICHIA

LED NCSxE17A  
 FWHM / FWTM 12.0° / 26.0°  
 Efficiency 87 %  
 Peak intensity 12.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


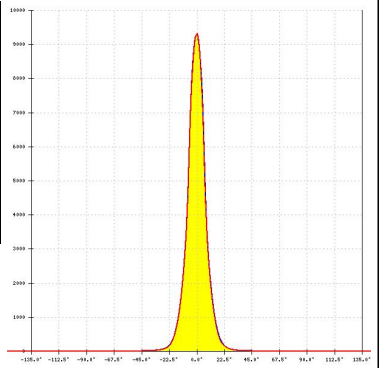

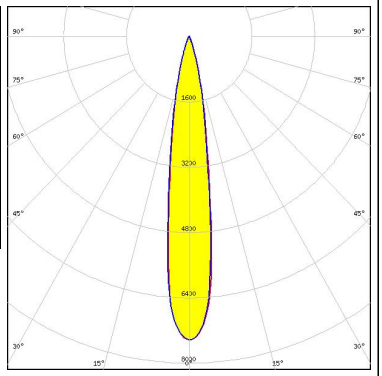
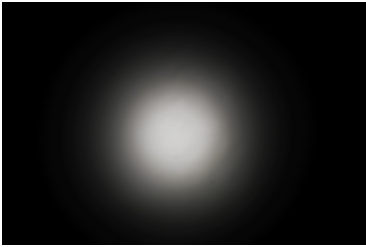
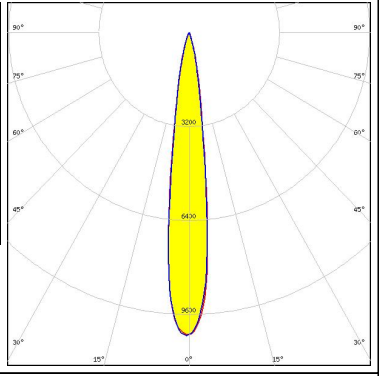

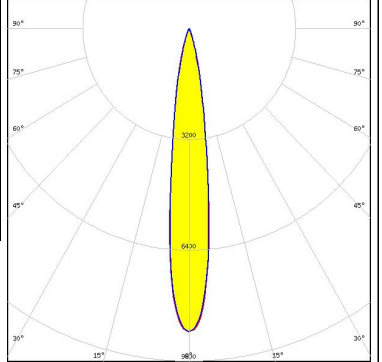


#### NICHIA

LED NV4x144A  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 84 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



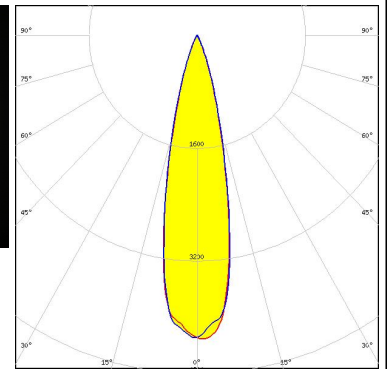
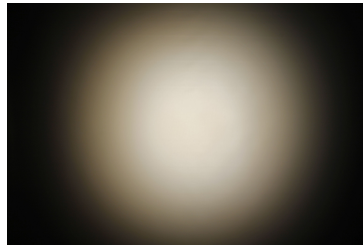
#### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM / FWTM 14.0° / 30.0°            Efficiency 85 %            Peak intensity 9.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM / FWTM 16.0° / 33.0°            Efficiency 86 %            Peak intensity 7.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 14.0° / 28.0°            Efficiency 87 %            Peak intensity 10.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 15.0° / 31.0°            Efficiency 85 %            Peak intensity 8.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

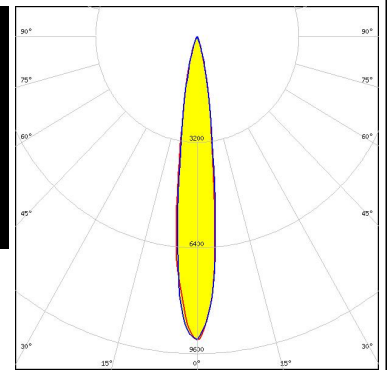
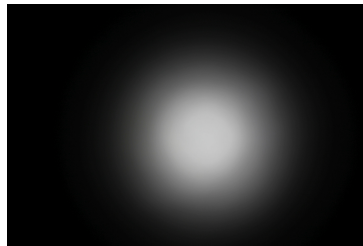
#### OSRAM Opto Semiconductors

LED Duris S8  
FWHM / FWTM 24.0° / 43.0°  
Efficiency 86 %  
Peak intensity 4.3 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



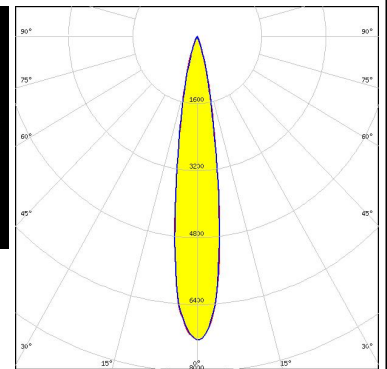
#### OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)  
FWHM / FWTM 14.0° / 30.0°  
Efficiency 87 %  
Peak intensity 9.2 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



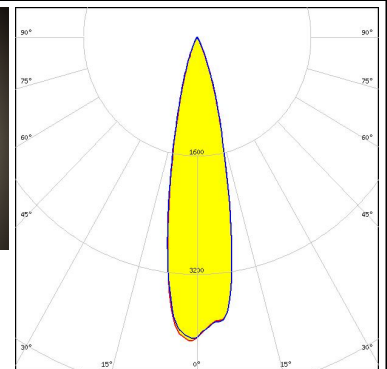
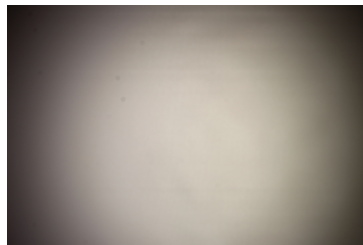
#### OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)  
FWHM / FWTM 17.0° / 33.0°  
Efficiency 86 %  
Peak intensity 7.2 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:


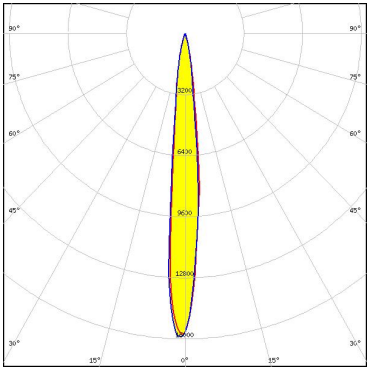
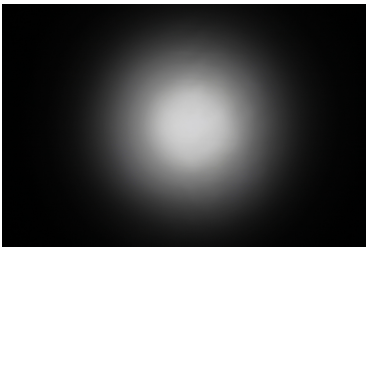
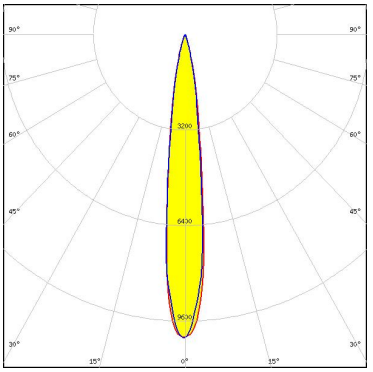

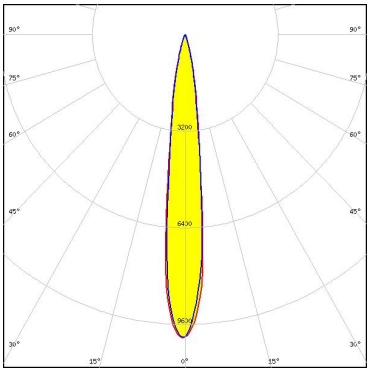

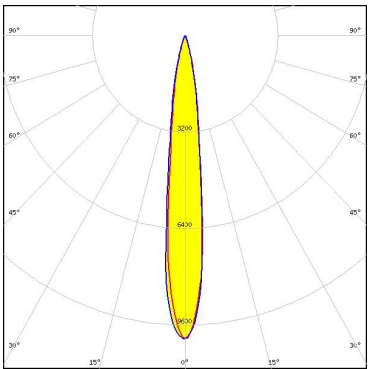


#### OSRAM Opto Semiconductors

LED OSCONIQ P 7070  
FWHM / FWTM 23.0° / 42.0°  
Efficiency 84 %  
Peak intensity 4.1 cd/m  
LEDs/each optic 1  
Light colour White  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

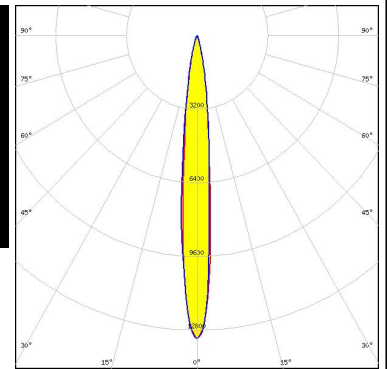
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Black Flat</p> <p>FWHM / FWTM 11.0° / 24.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 16 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 14.0° / 30.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 10.2 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 OSLON Square EC</p> <p>FWHM / FWTM 13.0° / 29.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 10 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 OSLON Square PC</p> <p>FWHM / FWTM 13.0° / 30.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 10.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

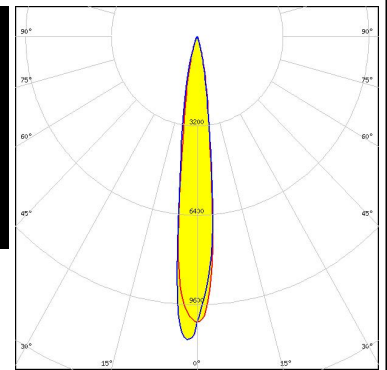
LED OSLON SSL 150  
 FWHM / FWTM 11.0° / 26.0°  
 Efficiency 87 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

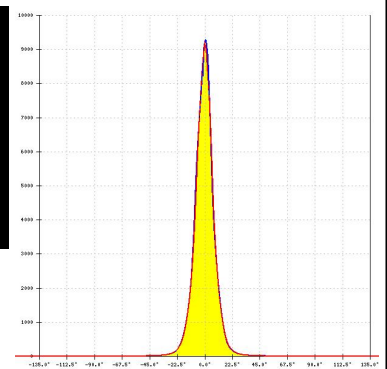
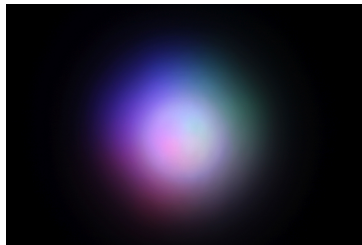
LED OSLON SSL 80  
 FWHM / FWTM 13.0° / 28.0°  
 Efficiency 86 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

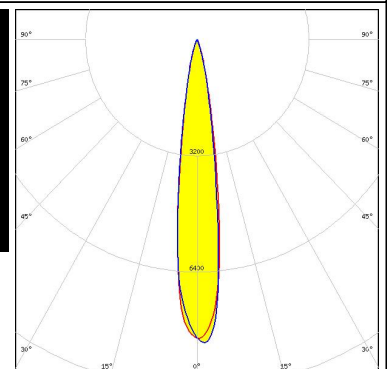
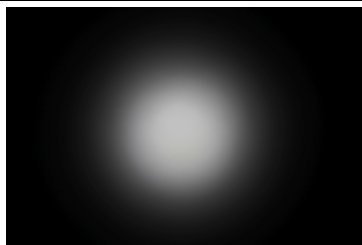
Opto Semiconductors

LED OSTAR Stage (S2WN)  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 86 %  
 Peak intensity 9.3 cd/lm  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



#### SAMSUNG

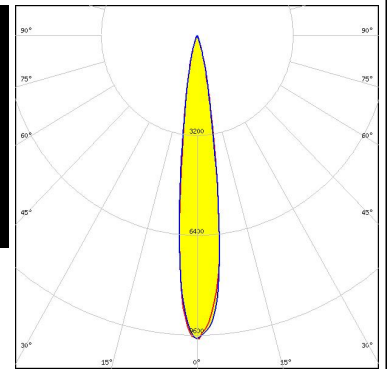
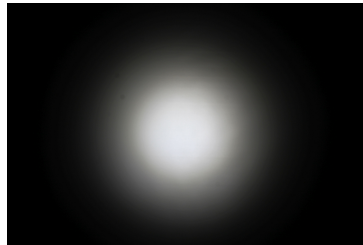
LED LH181A  
 FWHM / FWTM 15.0° / 30.0°  
 Efficiency 81 %  
 Peak intensity 8.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

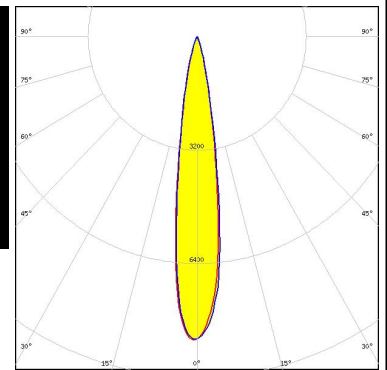
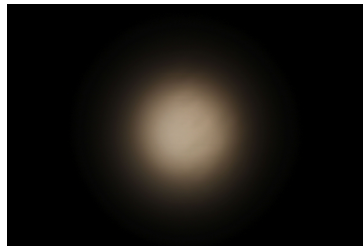
#### SAMSUNG

LED LH181B  
 FWHM / FWTM 15.0° / 29.0°  
 Efficiency 87 %  
 Peak intensity 9.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



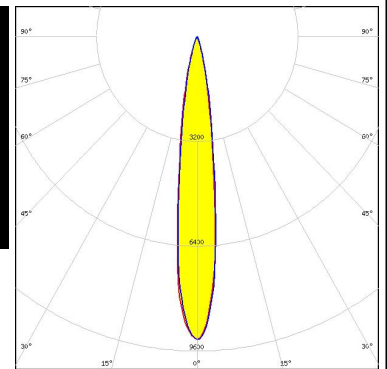
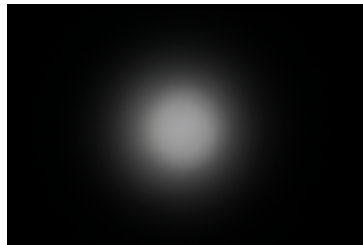
#### SAMSUNG

LED LH231B  
 FWHM / FWTM 16.0° / 31.0°  
 Efficiency 88 %  
 Peak intensity 8.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



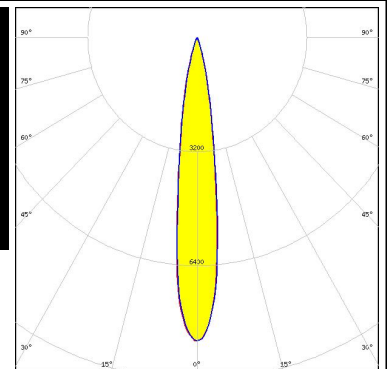
#### SAMSUNG

LED LH351B  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 87 %  
 Peak intensity 9.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

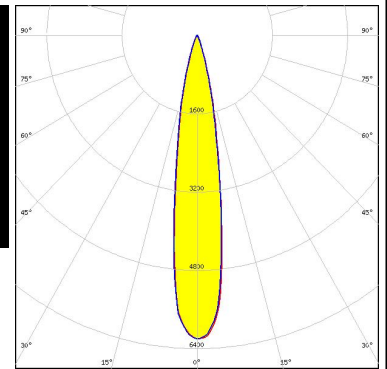
LED LH351C  
 FWHM / FWTM 15.0° / 31.0°  
 Efficiency 86 %  
 Peak intensity 8.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

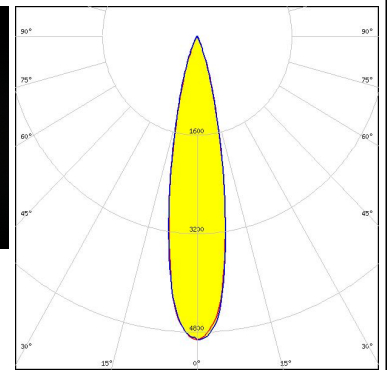
### SAMSUNG

LED LH351D  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 85 %  
 Peak intensity 6.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



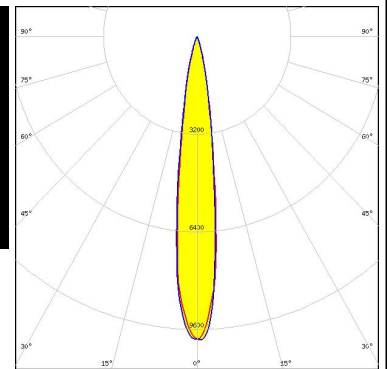
### SAMSUNG

LED LH508A  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 86 %  
 Peak intensity 4.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



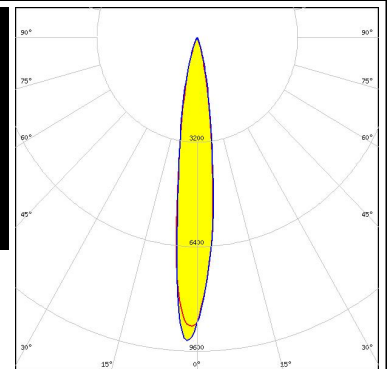
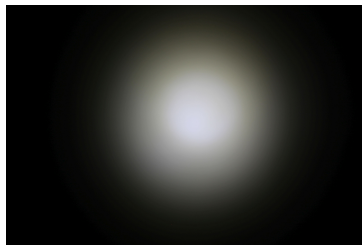
### SAMSUNG

LED LM302A  
 FWHM / FWTM 14.0° / 30.0°  
 Efficiency 89 %  
 Peak intensity 9.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

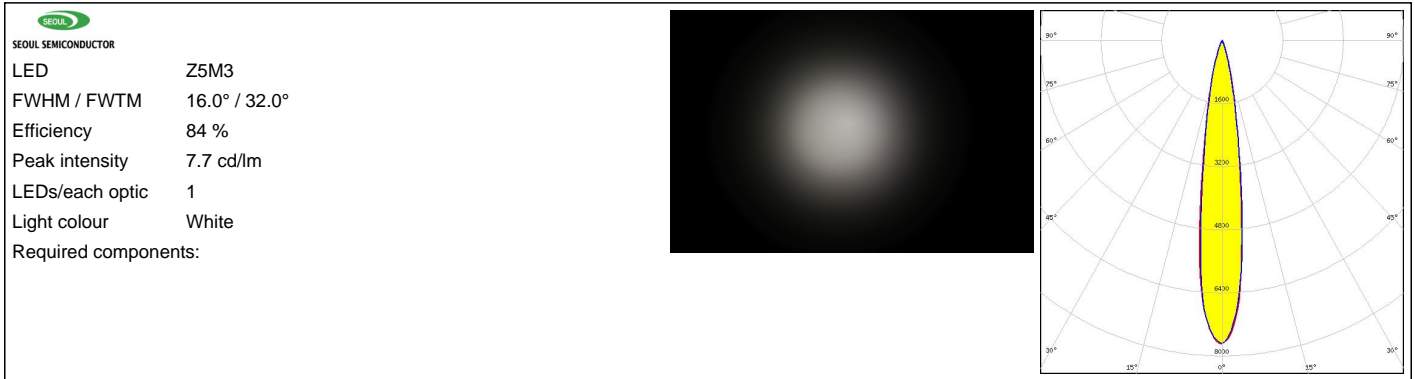


### SAMSUNG

LED LM561B  
 FWHM / FWTM 14.0° / 31.0°  
 Efficiency 88 %  
 Peak intensity 9.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

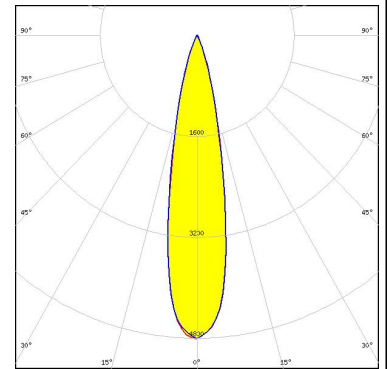




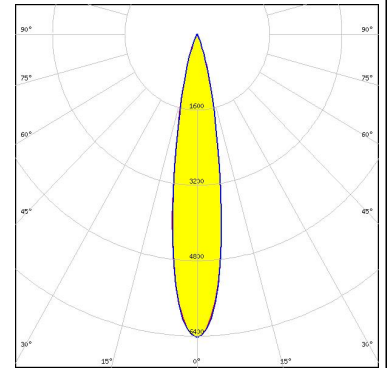
### PHOTOMETRIC DATA (SIMULATED):



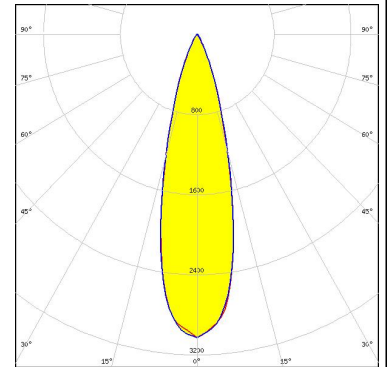
LED XHP50.3 HD  
 FWHM / FWTM 22.0° / 40.0°  
 Efficiency 84 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



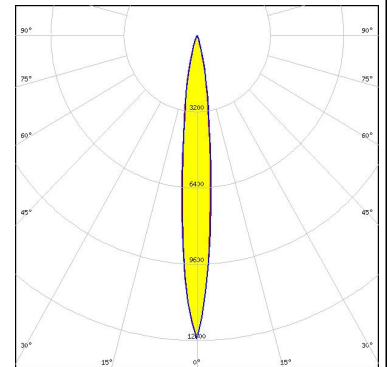
LED XHP50.3 HI  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency 95 %  
 Peak intensity 6.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XHP70.3  
 FWHM / FWTM 26.0 + 28.0° / 50.0°  
 Efficiency 82 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



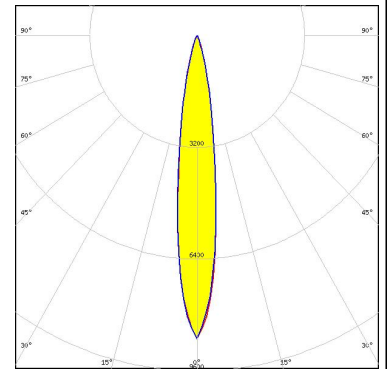
LED XP-E2  
 FWHM / FWTM 11.0° / 28.0°  
 Efficiency 91 %  
 Peak intensity 12.7 cd/lm  
 LEDs/each optic 1  
 Light colour Amber  
 Required components:



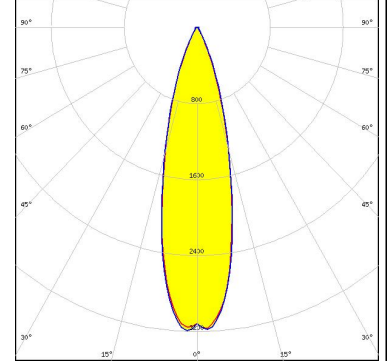
### PHOTOMETRIC DATA (SIMULATED):



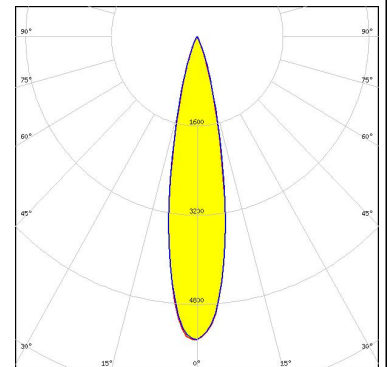
LED XP-G2 HE  
 FWHM / FWTM 15.0° / 32.0°  
 Efficiency 88 %  
 Peak intensity 8.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



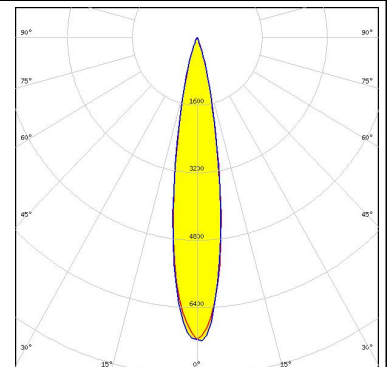
LED LUXEON 7070  
 FWHM / FWTM 26.0° / 51.0°  
 Efficiency 94 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NFMW48xA  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 89 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



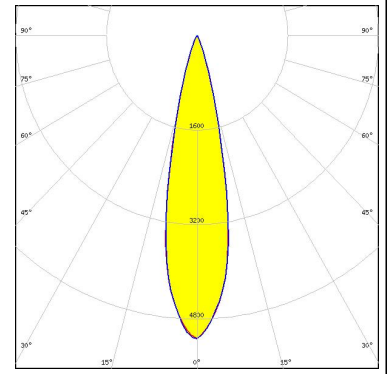
LED NV4WB35AM  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 89 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

#### SAMSUNG

LED	LH151B
FWHM / FWTM	22.0° / 38.0°
Efficiency	88 %
Peak intensity	5.1 cd/lm
LEDs/each optic	4
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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