

## OLGA-M

~30° wide beam. Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

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

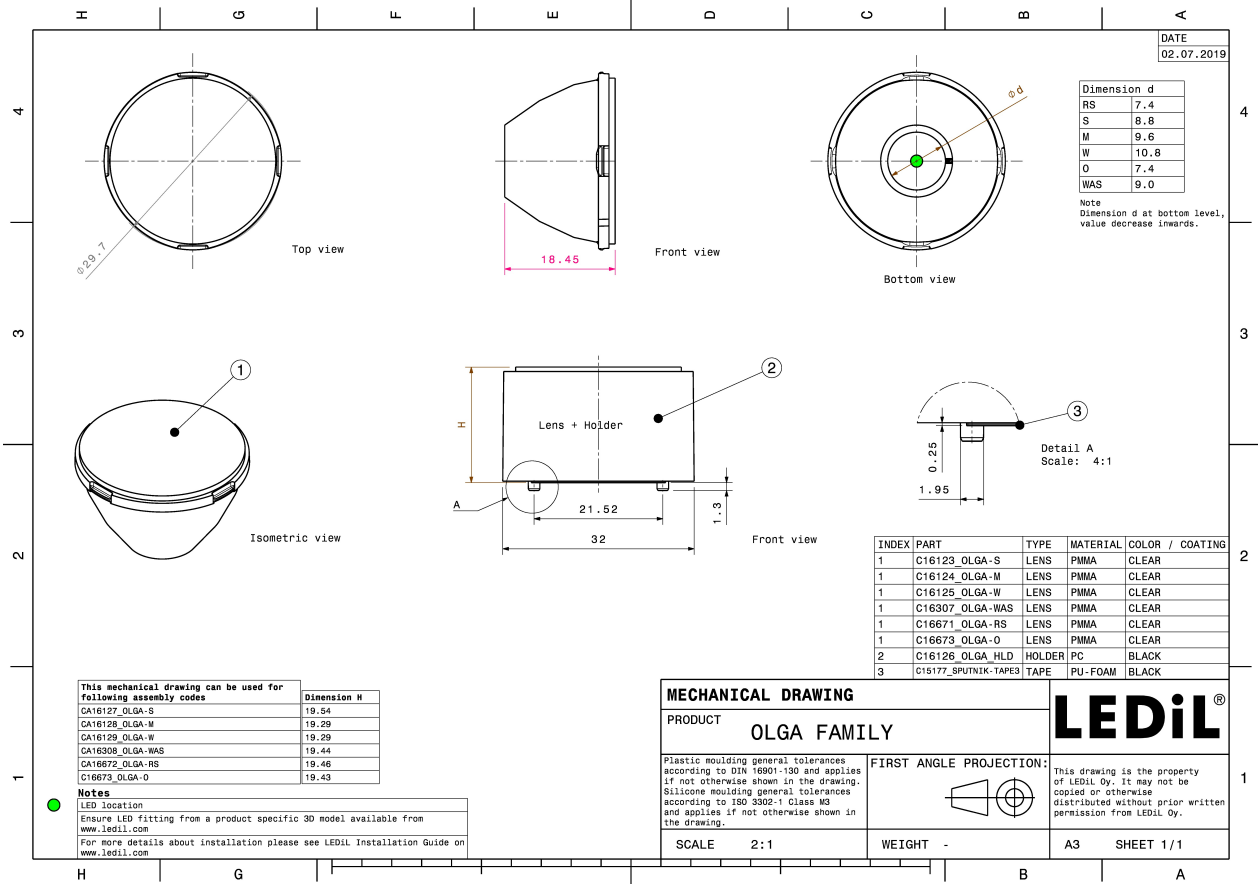
### MATERIAL SPECIFICATIONS:

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




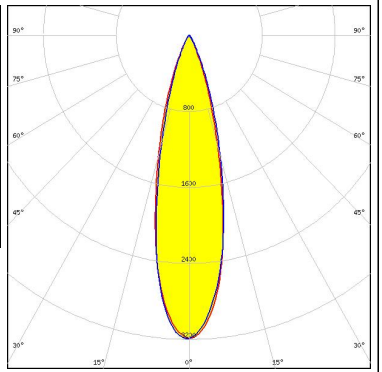

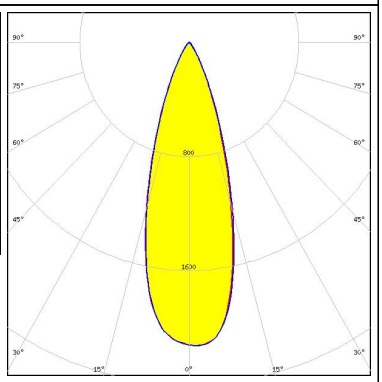

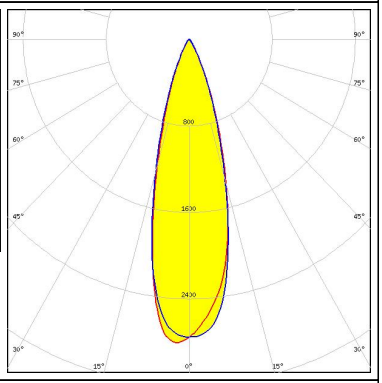

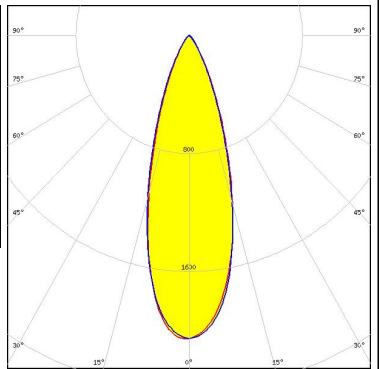
### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16128_OLGA-M	Single lens	792	132	66	9.8
» Box size: 476 x 273 x 292 mm					


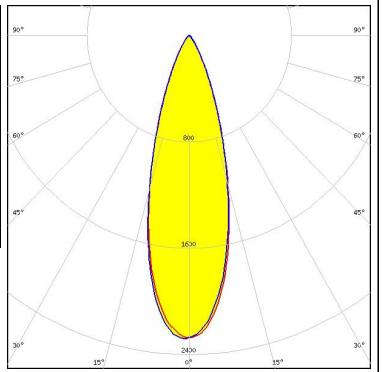

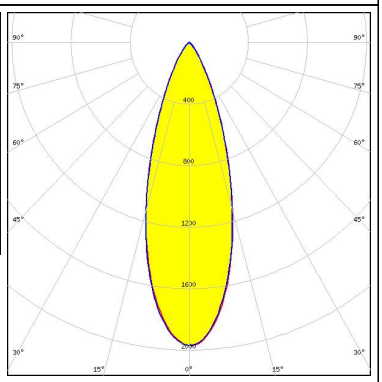

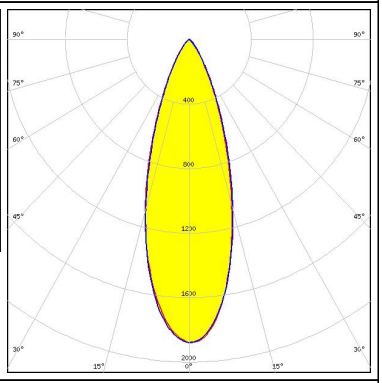

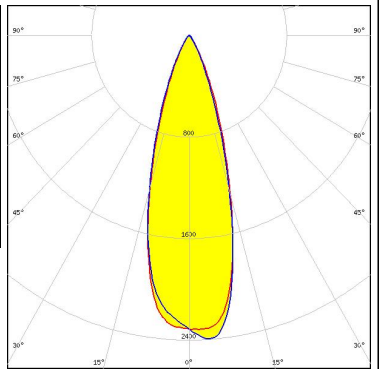


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED           XD16            FWHM / FWTM   26.0° / 48.0°            Efficiency       80 %            Peak intensity   3.2 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   32.0° / 58.0°            Efficiency       80 %            Peak intensity   2.1 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   28.0° / 51.0°            Efficiency       84 %            Peak intensity   2.8 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   32.0° / 60.0°            Efficiency       81 %            Peak intensity   2.1 cd/lm            LEDs/each optic   1            Light colour     White            Required components:</p>		

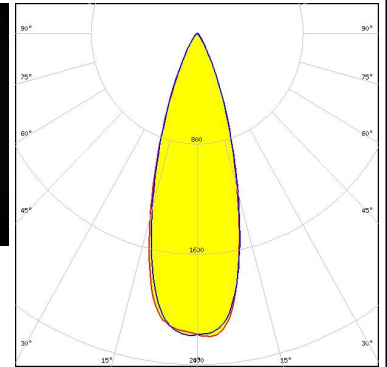
### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP50.2            FWHM / FWTM 31.0° / 58.0°            Efficiency 81 %            Peak intensity 2.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP70            FWHM / FWTM 33.0° / 63.0°            Efficiency 82 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP70.2            FWHM / FWTM 34.0° / 64.0°            Efficiency 81 %            Peak intensity 1.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XM-L            FWHM / FWTM 31.0° / 55.0°            Efficiency 83 %            Peak intensity 2.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

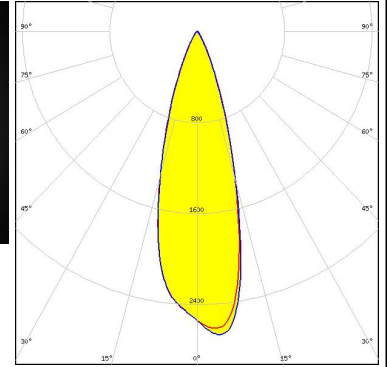
#### CREE → LED

LED XM-L3  
 FWHM / FWTM 33.0° / 57.0°  
 Efficiency 81 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



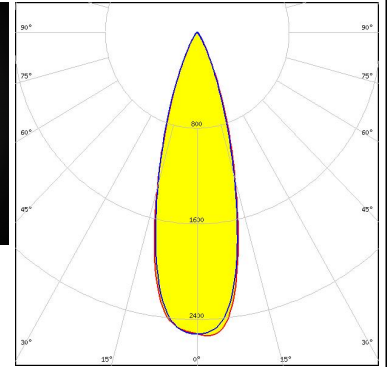
#### CREE → LED

LED XP-G2  
 FWHM / FWTM 30.0° / 53.0°  
 Efficiency 83 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



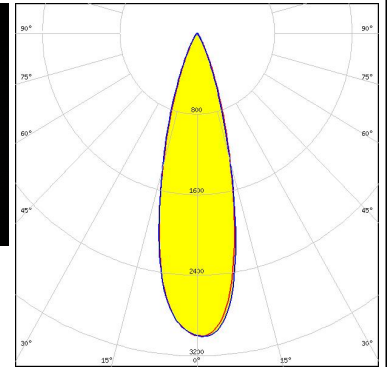
#### CREE → LED

LED XP-G3  
 FWHM / FWTM 31.0° / 54.0°  
 Efficiency 82 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE → LED

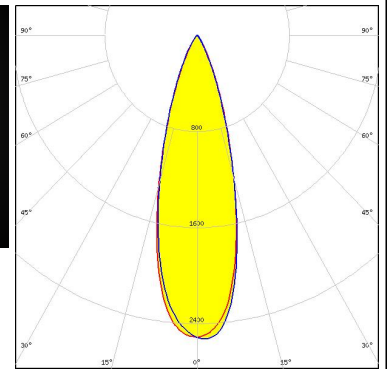
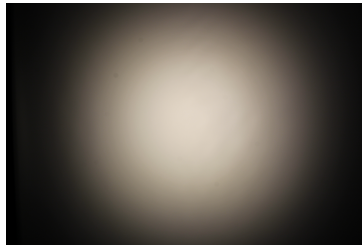
LED XP-L HI  
 FWHM / FWTM 28.0° / 50.0°  
 Efficiency 85 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

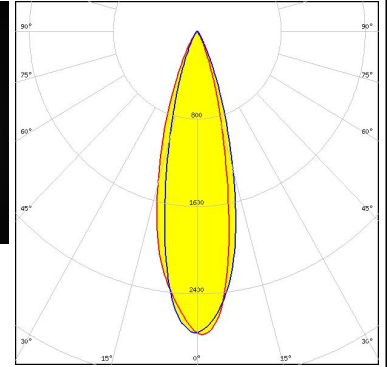
#### CREE → LED

LED XP-L2  
 FWHM / FWTM 30.0° / 54.0°  
 Efficiency 81 %  
 Peak intensity 2.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



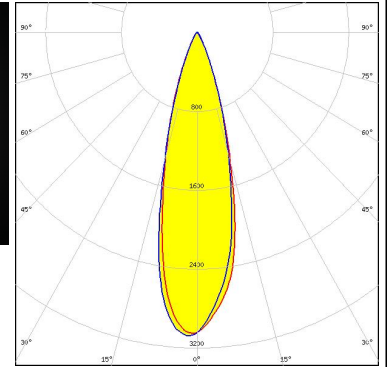
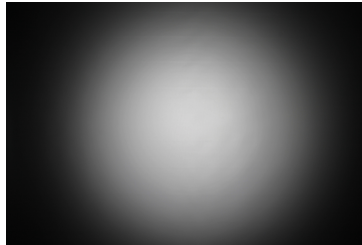
#### CREE → LED

LED XQ-E HD  
 FWHM / FWTM 28.0° / 51.0°  
 Efficiency 76 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



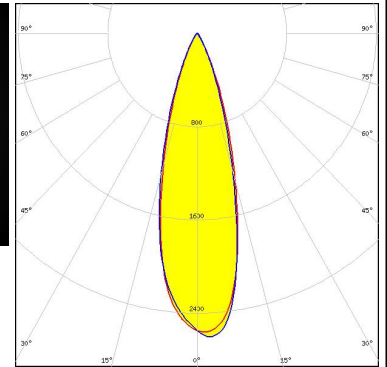
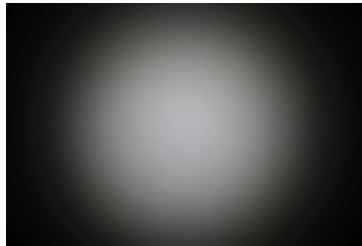
#### CREE → LED

LED XQ-E HI  
 FWHM / FWTM 27.0° / 49.0°  
 Efficiency 83 %  
 Peak intensity 3.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE → LED

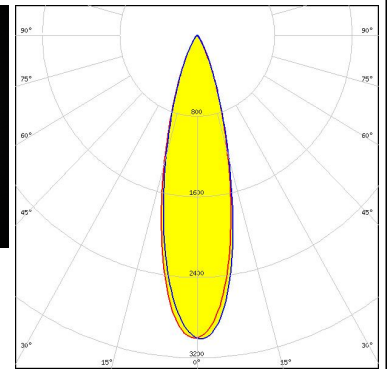
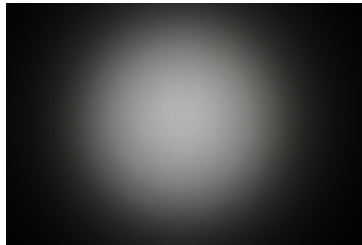
LED XT-E  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 79 %  
 Peak intensity 2.6 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

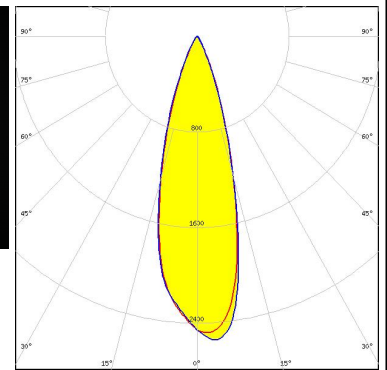
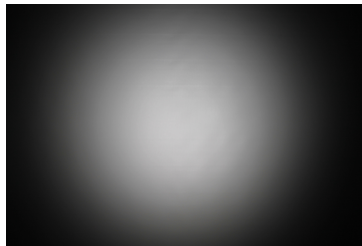
#### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM / FWTM 27.0° / 52.0°  
 Efficiency 86 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



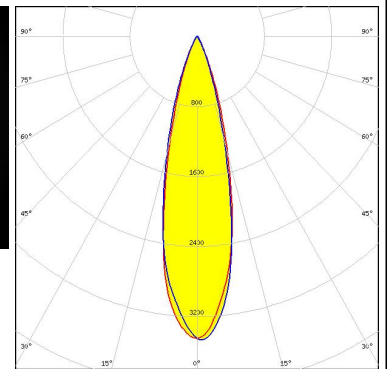
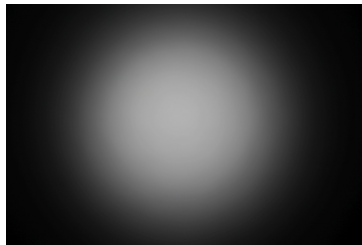
#### LUMILEDS

LED LUXEON C  
 FWHM / FWTM 29.0° / 52.0°  
 Efficiency 76 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



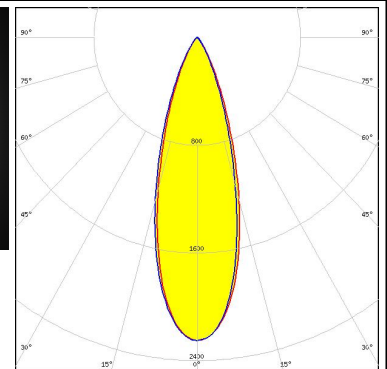
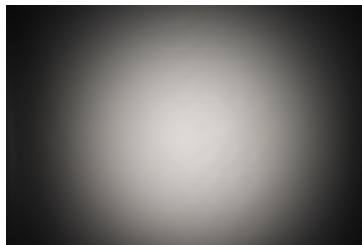
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 26.0° / 47.0°  
 Efficiency 85 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

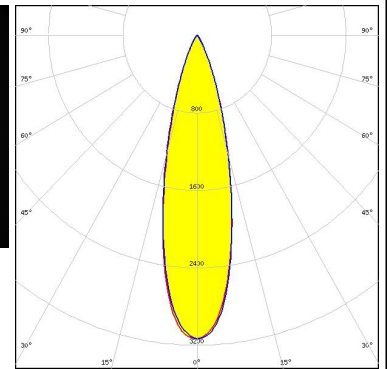
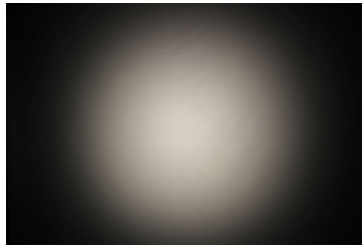
LED LUXEON M/MX  
 FWHM / FWTM 31.0° / 59.0°  
 Efficiency 84 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

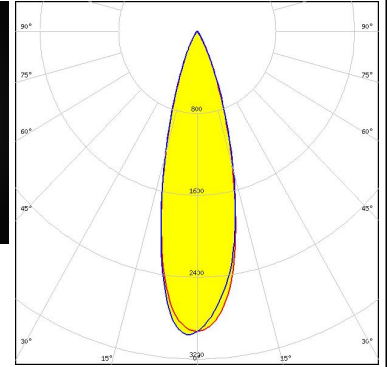
#### LUMILEDS

LED LUXEON MZ  
 FWHM / FWTM 26.0° / 50.0°  
 Efficiency 85 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



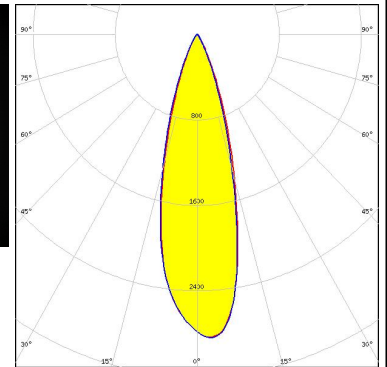
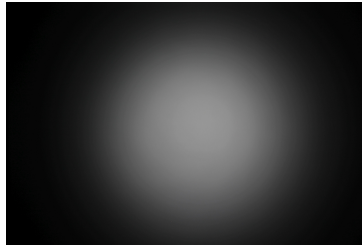
#### LUMILEDS

LED LUXEON Rebel ES  
 FWHM / FWTM 28.0° / 51.0°  
 Efficiency 83 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



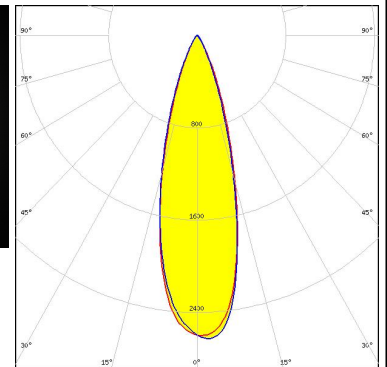
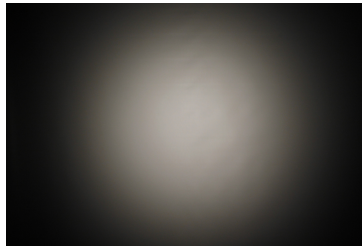
#### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 29.0° / 51.0°  
 Efficiency 83 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

LED LUXEON V  
 FWHM / FWTM 29.0° / 54.0°  
 Efficiency 82 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

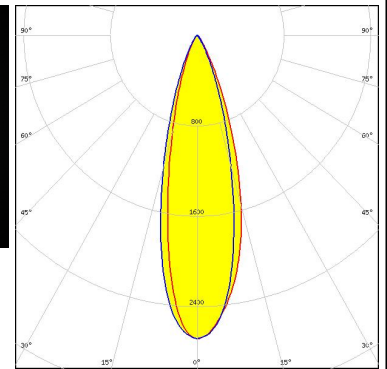
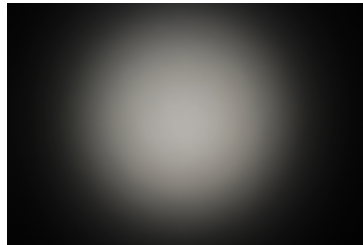




### PHOTOMETRIC DATA (MEASURED):

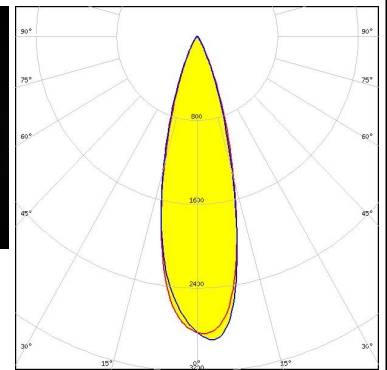
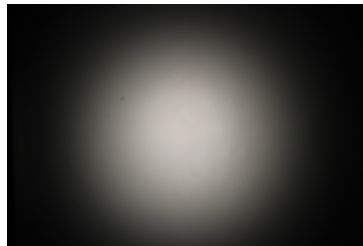
#### LUMILEDS

LED LUXEON V  
 FWHM / FWTM 28.0° / 53.0°  
 Efficiency 82 %  
 Peak intensity 2.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



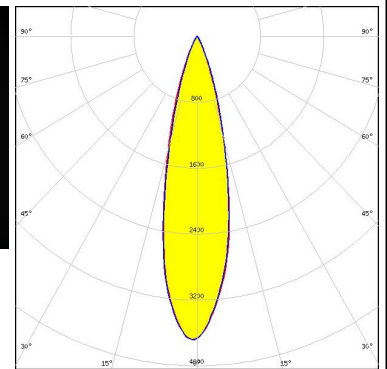
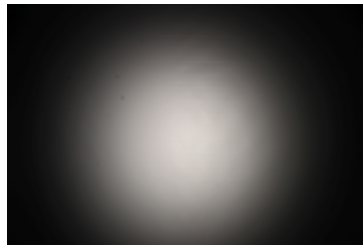
#### LUMILEDS

LED LUXEON V2  
 FWHM / FWTM 29.0° / 51.0°  
 Efficiency 83 %  
 Peak intensity 2.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



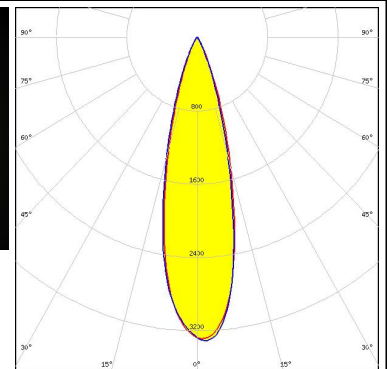
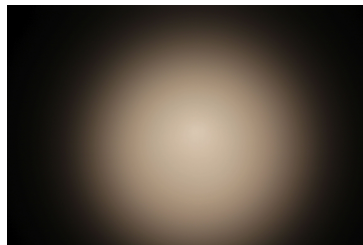
#### LUMILEDS

LED LUXEON Z  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 85 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:


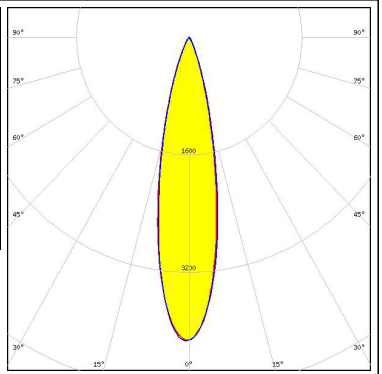

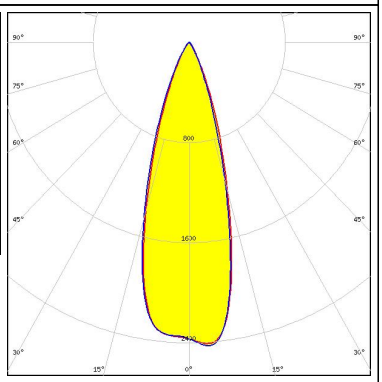

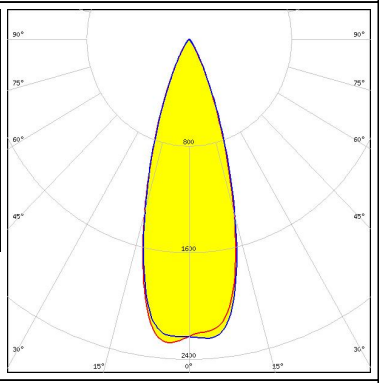

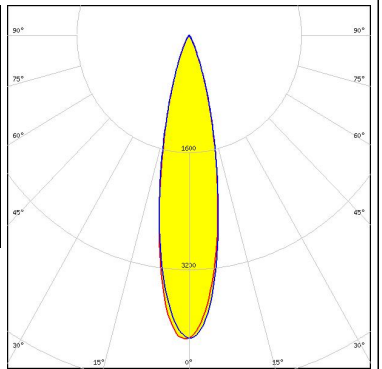


#### LUMILEDS


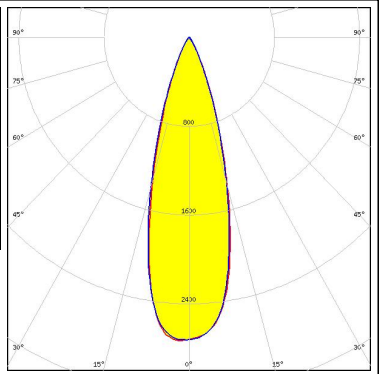

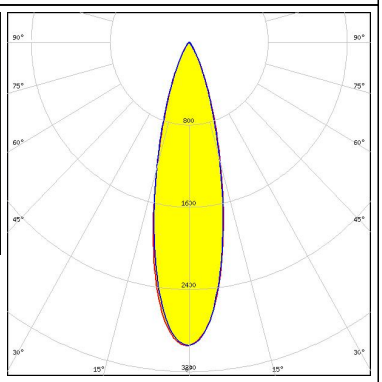

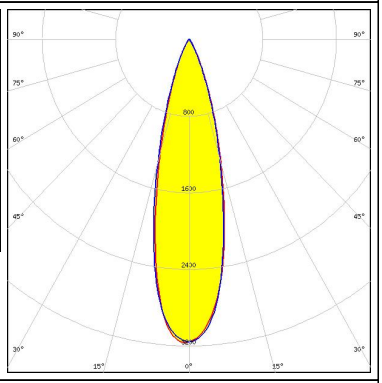

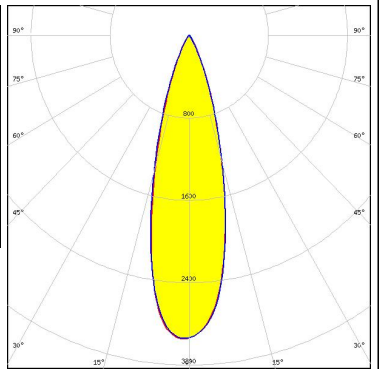
LED LUXEON Z ES  
 FWHM / FWTM 27.0° / 49.0°  
 Efficiency 85 %  
 Peak intensity 3.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM / FWTM 23.0° / 44.0°            Efficiency 85 %            Peak intensity 4.1 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM / FWTM 31.0° / 54.0°            Efficiency 83 %            Peak intensity 2.4 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW319B            FWHM / FWTM 34.0° / 56.0°            Efficiency 84 %            Peak intensity 2.3 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 23.0° / 44.0°            Efficiency 85 %            Peak intensity 4.2 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

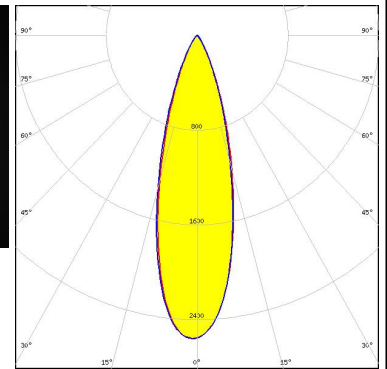
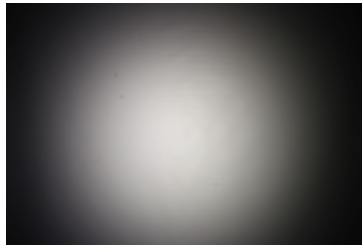
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 30.0° / 52.0°            Efficiency 84 %            Peak intensity 2.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S8            FWHM / FWTM 27.0° / 53.0°            Efficiency 85 %            Peak intensity 3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (2W version)            FWHM / FWTM 26.0° / 49.0°            Efficiency 83 %            Peak intensity 3.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (3W version)            FWHM / FWTM 28.0° / 51.0°            Efficiency 84 %            Peak intensity 3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

#### OSRAM

Opto Semiconductors

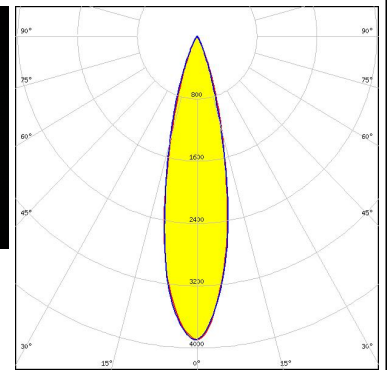
LED OSCONIQ P 7070  
 FWHM / FWTM 29.0° / 55.0°  
 Efficiency 83 %  
 Peak intensity 2.6 cd/m<sup>2</sup>  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

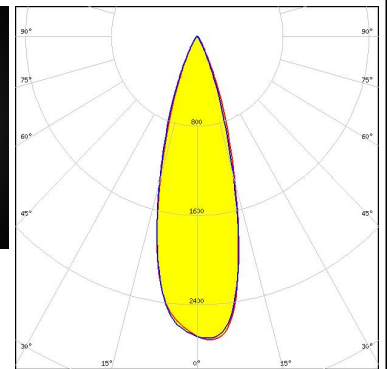
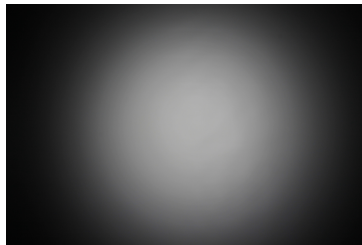
LED OSLON Black Flat  
 FWHM / FWTM 24.0° / 45.0°  
 Efficiency 85 %  
 Peak intensity 3.9 cd/m<sup>2</sup>  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

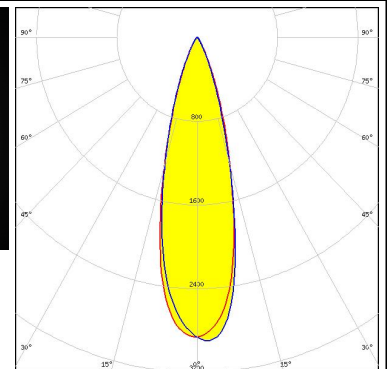
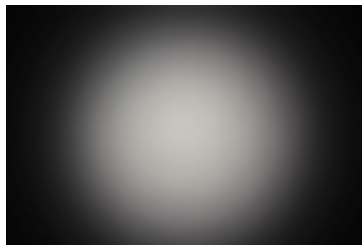
LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 30.0° / 52.0°  
 Efficiency 84 %  
 Peak intensity 2.7 cd/m<sup>2</sup>  
 LEDs/each optic 1  
 Light colour White  
 Required components:




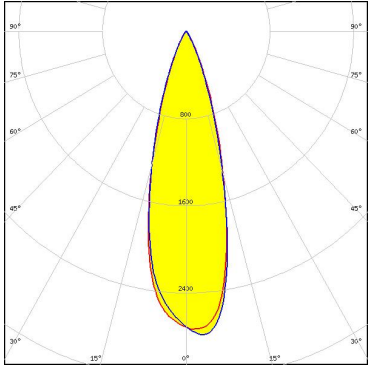

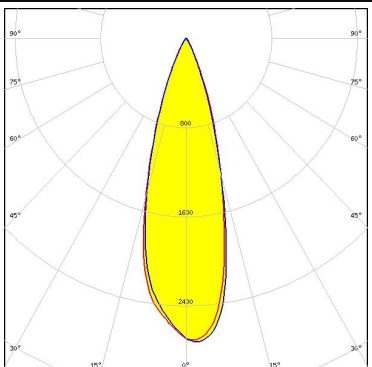

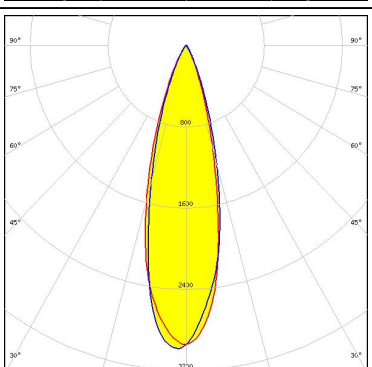

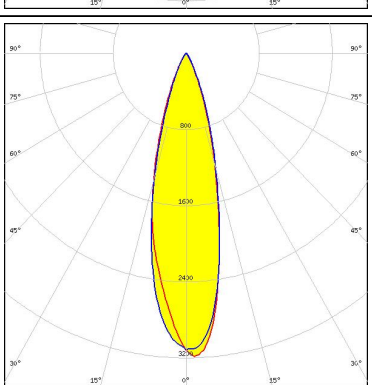
#### OSRAM

Opto Semiconductors

LED OSLON Square EC  
 FWHM / FWTM 28.0° / 51.0°  
 Efficiency 81 %  
 Peak intensity 2.9 cd/m<sup>2</sup>  
 LEDs/each optic 1  
 Light colour White  
 Required components:



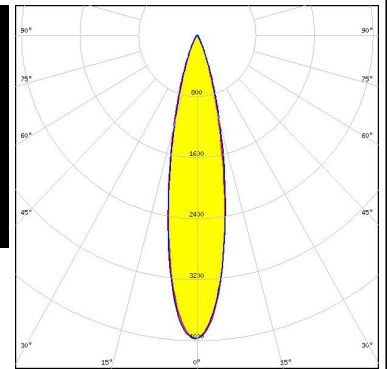
### PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square PC</p> <p>FWHM / FWTM 29.0° / 52.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.8 cd/m</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 SSL 150</p> <p>FWHM / FWTM 30.0° / 51.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.7 cd/m</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 SSL 80</p> <p>FWHM / FWTM 28.0° / 51.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2.9 cd/m</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 OSTAR Stage (S2WN)</p> <p>FWHM / FWTM 26.0° / 50.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 3.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

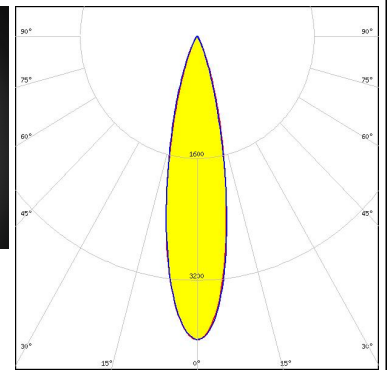
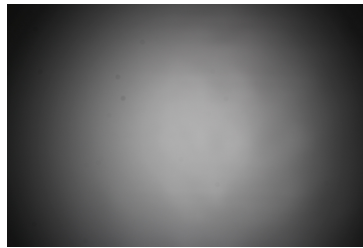
### SAMSUNG

LED LH181A  
 FWHM / FWTM 22.0° / 44.0°  
 Efficiency 81 %  
 Peak intensity 4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



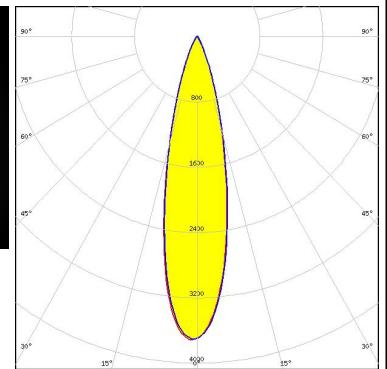
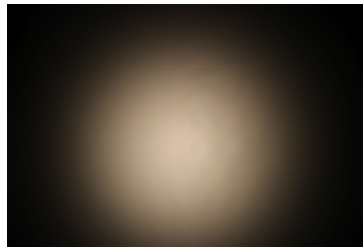
### SAMSUNG

LED LH181B  
 FWHM / FWTM 23.0° / 45.0°  
 Efficiency 85 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



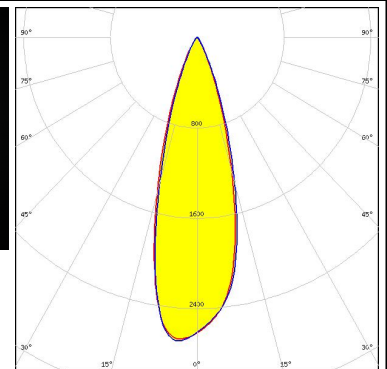
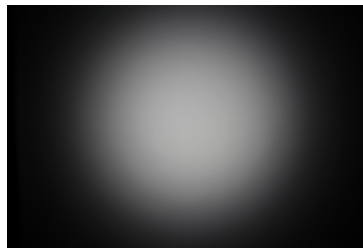
### SAMSUNG

LED LH231B  
 FWHM / FWTM 24.0° / 47.0°  
 Efficiency 86 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

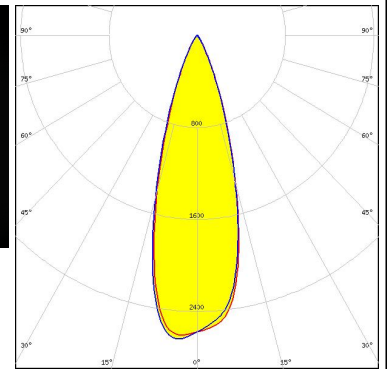
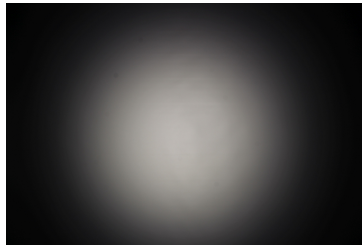
LED LH351B  
 FWHM / FWTM 30.0° / 53.0°  
 Efficiency 84 %  
 Peak intensity 2.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

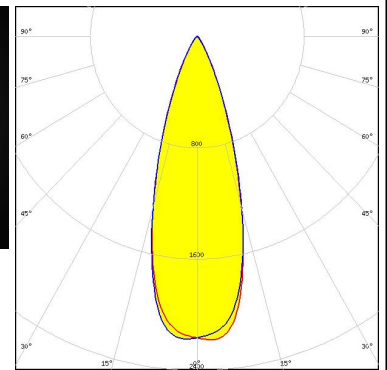
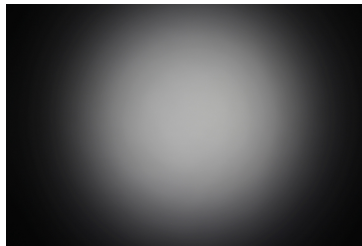
### SAMSUNG

LED LH351C  
 FWHM / FWTM 31.0° / 53.0°  
 Efficiency 85 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



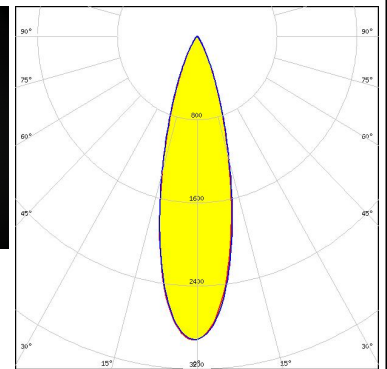
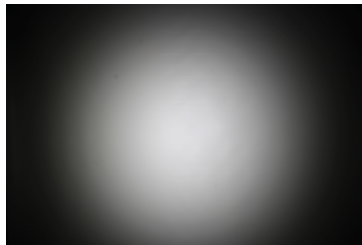
### SAMSUNG

LED LH351D  
 FWHM / FWTM 33.0° / 57.0°  
 Efficiency 83 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



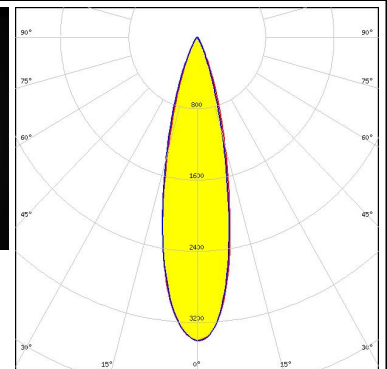
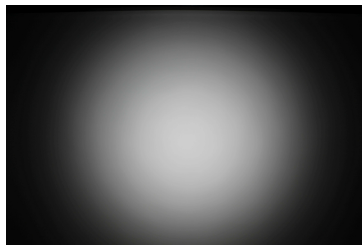
### SAMSUNG

LED LH508A  
 FWHM / FWTM 28.0° / 53.0°  
 Efficiency 85 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### SAMSUNG

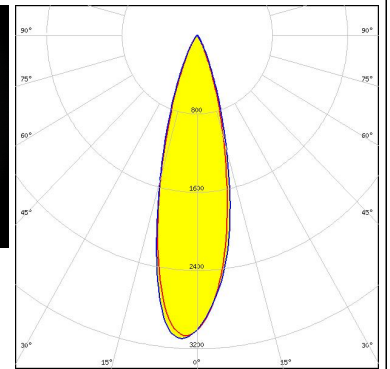
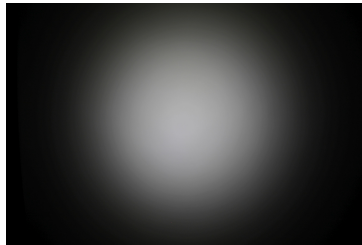
LED LM302A  
 FWHM / FWTM 25.0° / 48.0°  
 Efficiency 85 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

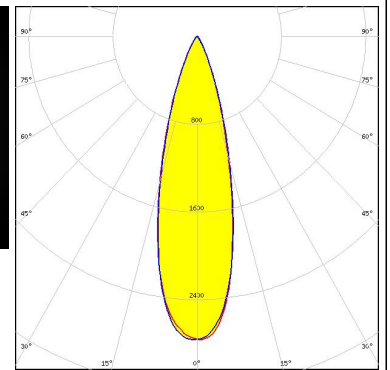
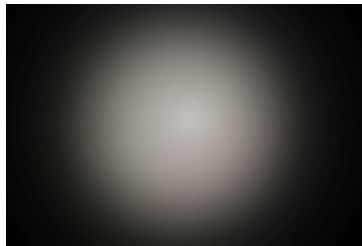
#### SAMSUNG

LED LM561B  
 FWHM / FWTM 27.0° / 51.0°  
 Efficiency 85 %  
 Peak intensity 3.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

LED Z5M3  
 FWHM / FWTM 28.0° / 52.0°  
 Efficiency 82 %  
 Peak intensity 2.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

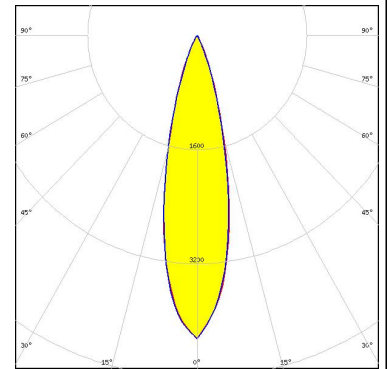




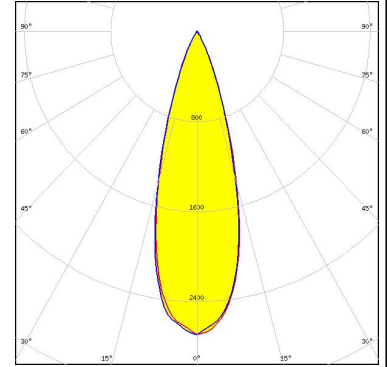
### PHOTOMETRIC DATA (SIMULATED):



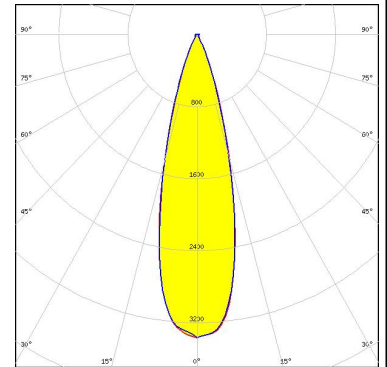
LED J Series 5050 Round LES  
 FWHM / FWTM 25.0° / 46.0°  
 Efficiency 92 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



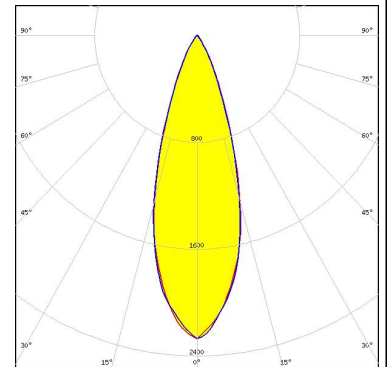
LED XHP50.3 HD  
 FWHM / FWTM 31.0 + 30.0° / 52.0°  
 Efficiency 83 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XHP50.3 HI  
 FWHM / FWTM 28.0° / 48.0°  
 Efficiency 95 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XHP70.3  
 FWHM / FWTM 33.0 + 32.0° / 58.0°  
 Efficiency 82 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



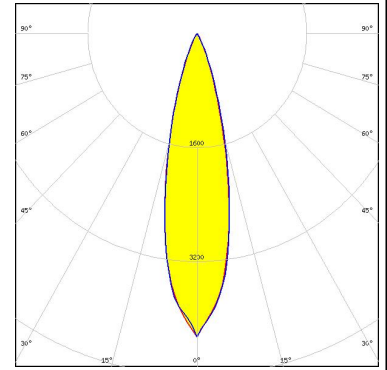
### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XP-G2 HE            FWHM / FWTM: 33.0° / 50.0°            Efficiency: 89 %            Peak intensity: 2.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: COB S-Type (LES 7)            FWHM / FWTM: 32.0° / 58.0°            Efficiency: 91 %            Peak intensity: 2.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: COB T-Type            FWHM / FWTM: 30.0° / 56.0°            Efficiency: 91 %            Peak intensity: 2.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 24.0° / 44.0°            Efficiency: 88 %            Peak intensity: 4.5 cd/lm            LEDs/each optic: 4            Light colour: White            Required components:</p>	

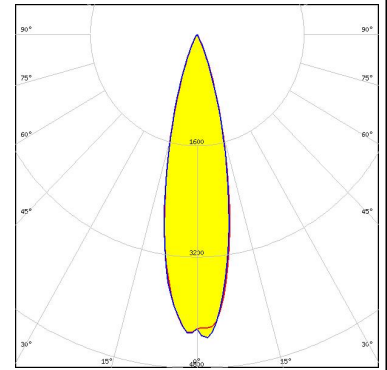
### PHOTOMETRIC DATA (SIMULATED):



**LED** NFMW48xA  
**FWHM / FWTM** 25.0° / 47.0°  
**Efficiency** 92 %  
**Peak intensity** 4.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** NV4WB35AM  
**FWHM / FWTM** 25.0° / 44.0°  
**Efficiency** 91 %  
**Peak intensity** 4.4 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** NV4x144A  
**FWHM / FWTM** 31.0° / 54.0°  
**Efficiency** 86 %  
**Peak intensity** 2.7 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**

