

## G2-LAURA-M-P

~30° medium beam. Assembly with thinner white holder, installation tape and location pins.

### TECHNICAL SPECIFICATIONS:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

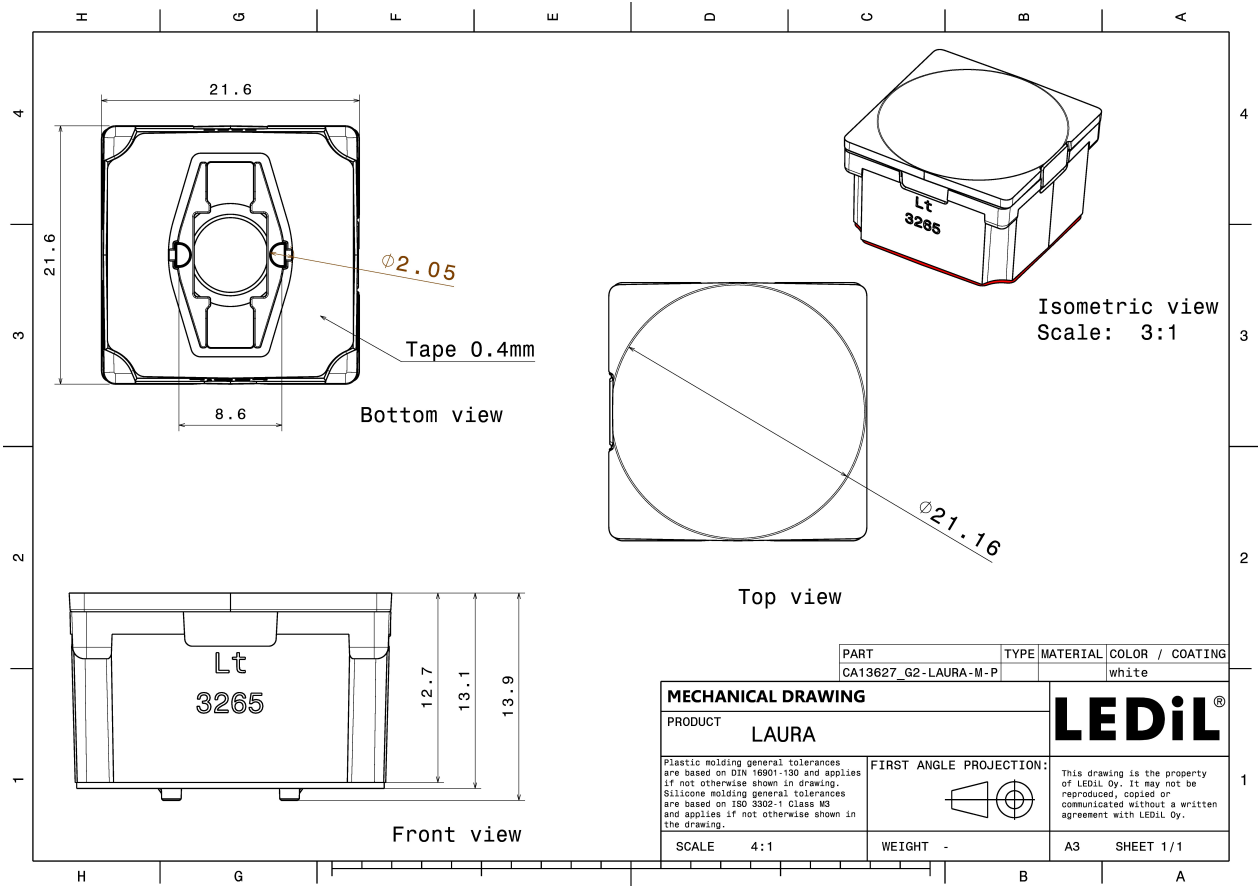
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-M	Single lens	PMMA	clear	
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA13627_G2-LAURA-M-P » Box size:		360	180	6.2



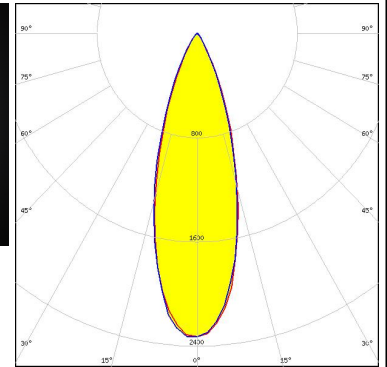
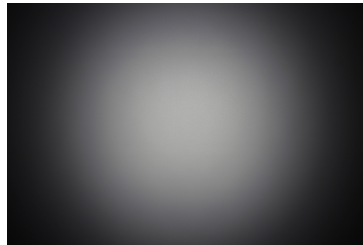


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

##### CREE → LED

LED XB-H  
 FWHM / FWTM 33.0° / 59.0°  
 Efficiency 85 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



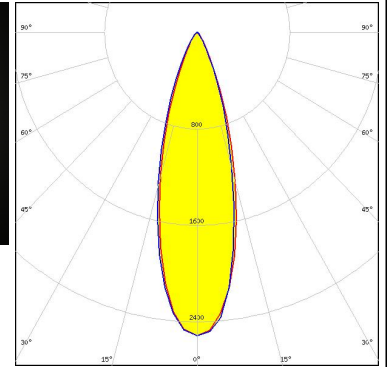
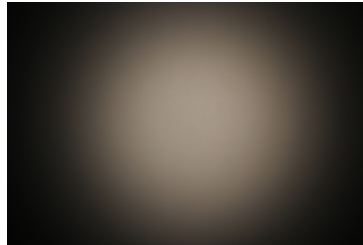
##### CREE → LED

LED XP-E  
 FWHM / FWTM 30.0° / 53.0°  
 Efficiency 92 %  
 Peak intensity 2.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



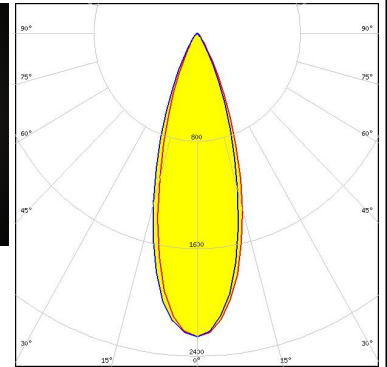
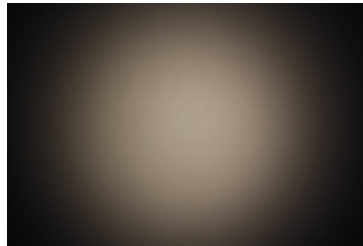
##### CREE → LED

LED XP-E2  
 FWHM / FWTM 31.0° / 56.0°  
 Efficiency 85 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


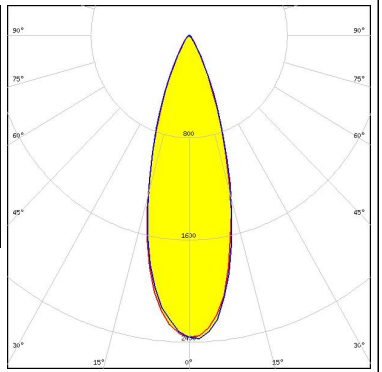

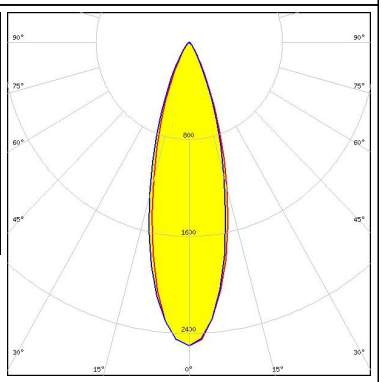

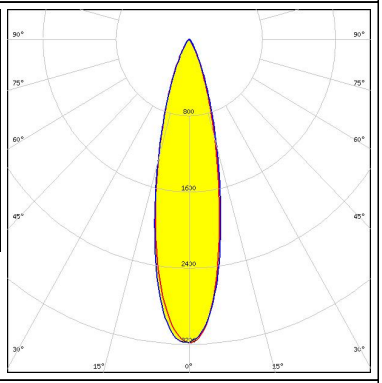

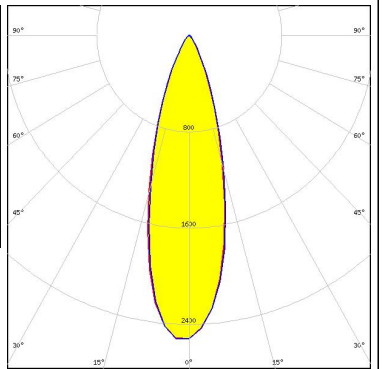


##### CREE → LED

LED XP-G  
 FWHM / FWTM 33.0° / 59.0°  
 Efficiency 83 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

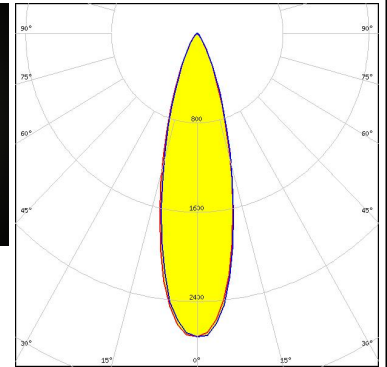
<p><b>CREE</b> LED</p> <p>LED: XP-G2            FWHM / FWTM: 33.0° / 58.0°            Efficiency: 85 %            Peak intensity: 2.4 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> LED</p> <p>LED: XT-E            FWHM / FWTM: 31.0° / 58.0°            Efficiency: 85 %            Peak intensity: 2.5 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 3030 2D (Round LES)            FWHM / FWTM: 25.0° / 51.0°            Efficiency: 85 %            Peak intensity: 3.2 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON TX            FWHM / FWTM: 30.0° / 57.0°            Efficiency: 86 %            Peak intensity: 2.5 cd/m            LEDs/each optic: 1            Light colour: White            Required components:</p>		



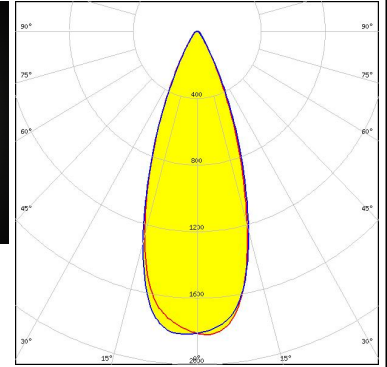
#### PHOTOMETRIC DATA (MEASURED):



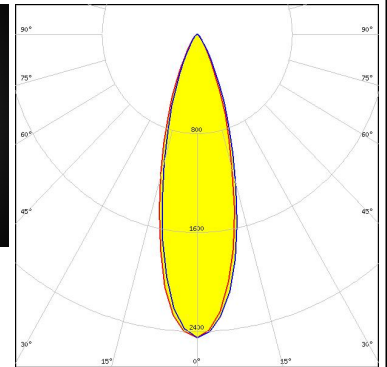
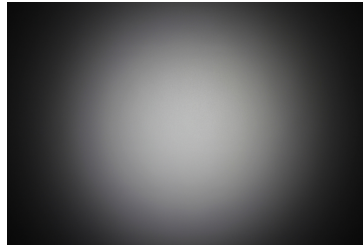
LED NCSxx19A  
 FWHM / FWTM 29.0° / 55.0°  
 Efficiency 86 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



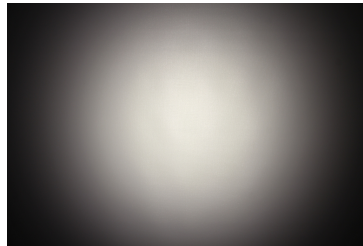
LED NVSW219D  
 FWHM / FWTM 38.0° / 63.0°  
 Efficiency 92 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




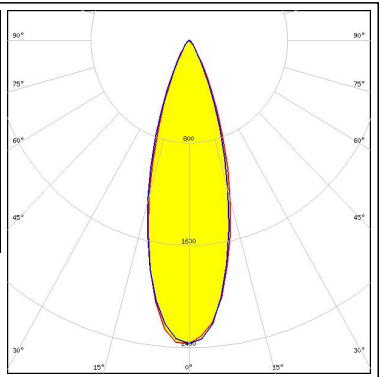
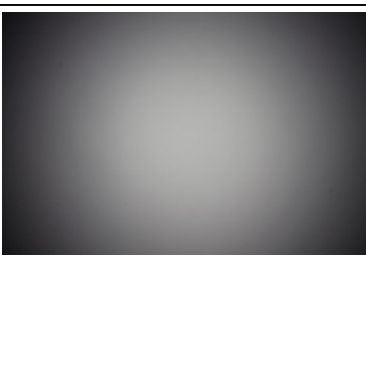
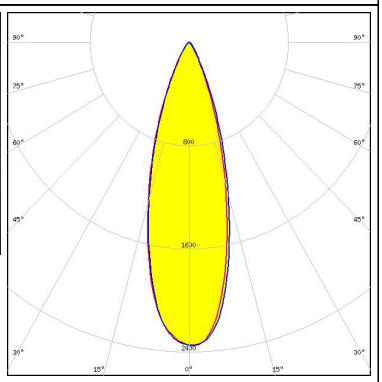

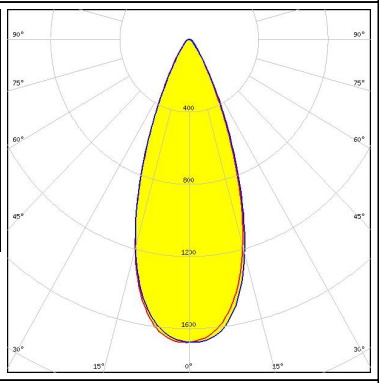

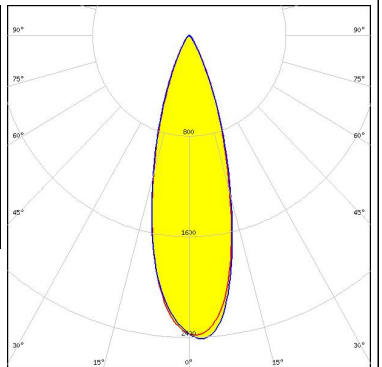
LED NVSxx19A  
 FWHM / FWTM 30.0° / 58.0°  
 Efficiency 85 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 28.0° / 56.0°  
 Efficiency 84 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




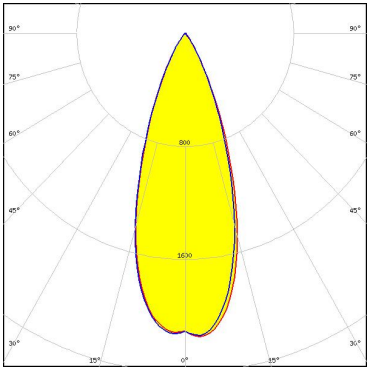

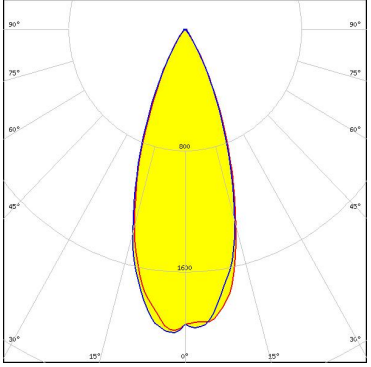

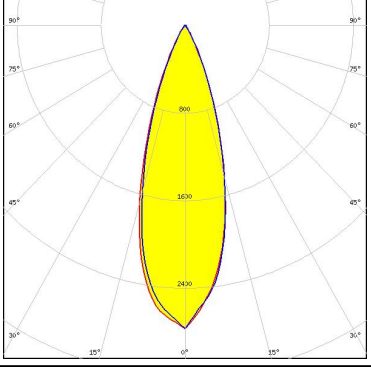

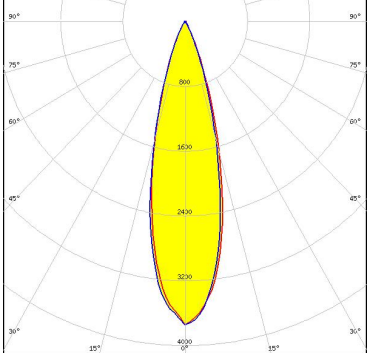
#### PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 32.0° / 58.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.4 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 31.0° / 57.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SAMSUNG</b></p> <p>LED LH351D</p> <p>FWHM / FWTM 40.0° / 67.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>SEOUL</b> SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 30.0° / 56.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):



#### PHOTOMETRIC DATA (SIMULATED):

	<p>LED: XHP35 HI            FWHM / FWTM: 28.0° / 61.0°            Efficiency: 93 %            Peak intensity: 2.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XP-L2            FWHM / FWTM: 38.0° / 63.0°            Efficiency: 93 %            Peak intensity: 2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XQ-E HD            FWHM / FWTM: 32.3° / 55.7°            Efficiency: 94 %            Peak intensity: 2.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
	<p>LED: XQ-E HI            FWHM / FWTM: 27.0° / 49.0°            Efficiency: 94 %            Peak intensity: 3.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

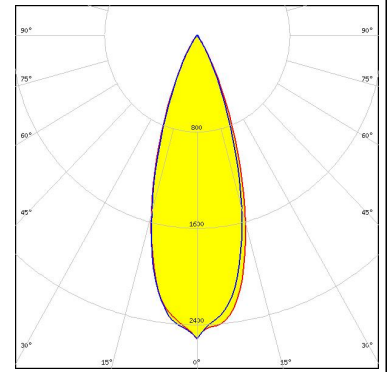
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                      KW CULPM1.TG</p> <p>FWHM / FWTM        30.0° / 51.0°</p> <p>Efficiency              96 %</p> <p>Peak intensity        3.4 cd/lm</p> <p>LEDs/each optic      1</p> <p>Light colour           White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                      OSLOM Black</p> <p>FWHM / FWTM        22.0° / 40.0°</p> <p>Efficiency              94 %</p> <p>Peak intensity        5.3 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                      OSLOM Black Flat</p> <p>FWHM / FWTM        21.0° / 42.0°</p> <p>Efficiency              94 %</p> <p>Peak intensity        5.4 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                      OSLOM Signal</p> <p>FWHM / FWTM        30.0° / 51.0°</p> <p>Efficiency              96 %</p> <p>Peak intensity        3.4 cd/lm</p> <p>LEDs/each optic      1</p> <p>Light colour           Red</p> <p>Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

##### OSRAM

Opto Semiconductors

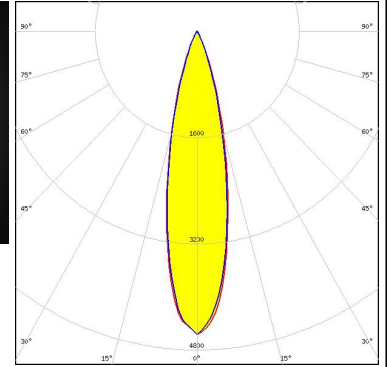
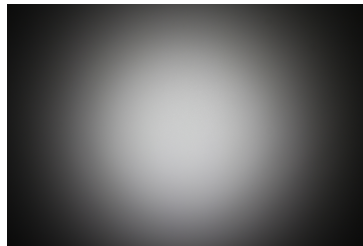
LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 34.0° / 58.0°  
 Efficiency 95 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

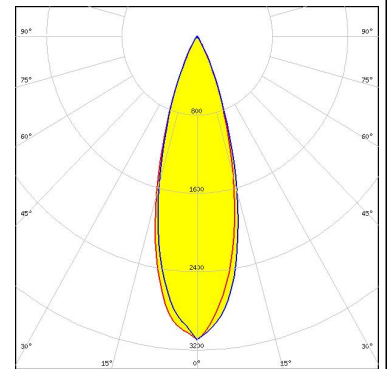
LED OSLOM Square Flat  
 FWHM / FWTM 24.0° / 45.0°  
 Efficiency 94 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

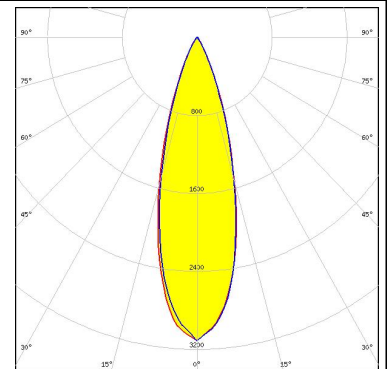
LED OSLOM SSL 150  
 FWHM / FWTM 30.0° / 53.0°  
 Efficiency 94 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

LED OSLOM SSL 80  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 95 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

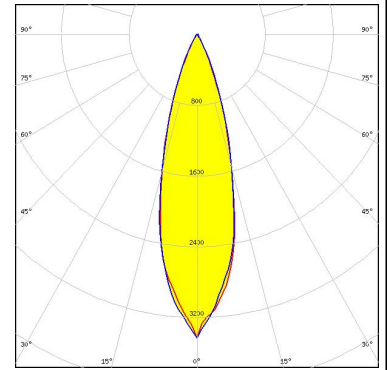
##### **OSRAM** Opto Semiconductors

LED SFH 4770S  
FWHM / FWTM 27.0° / 56.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour White  
Required components:



##### SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM / FWTM 29.0° / 51.0°  
Efficiency 94 %  
Peak intensity 3.4 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:

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### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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[CA14509\\_G2-LXP2-M-P](#) [CA15231\\_VERONICA-SQ-MINI-W](#) [FP11002\\_LISA2-W-PIN](#)