

## SURI-RS

~6° real spot beam with holder

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 37.8 mm
Height	23.9 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

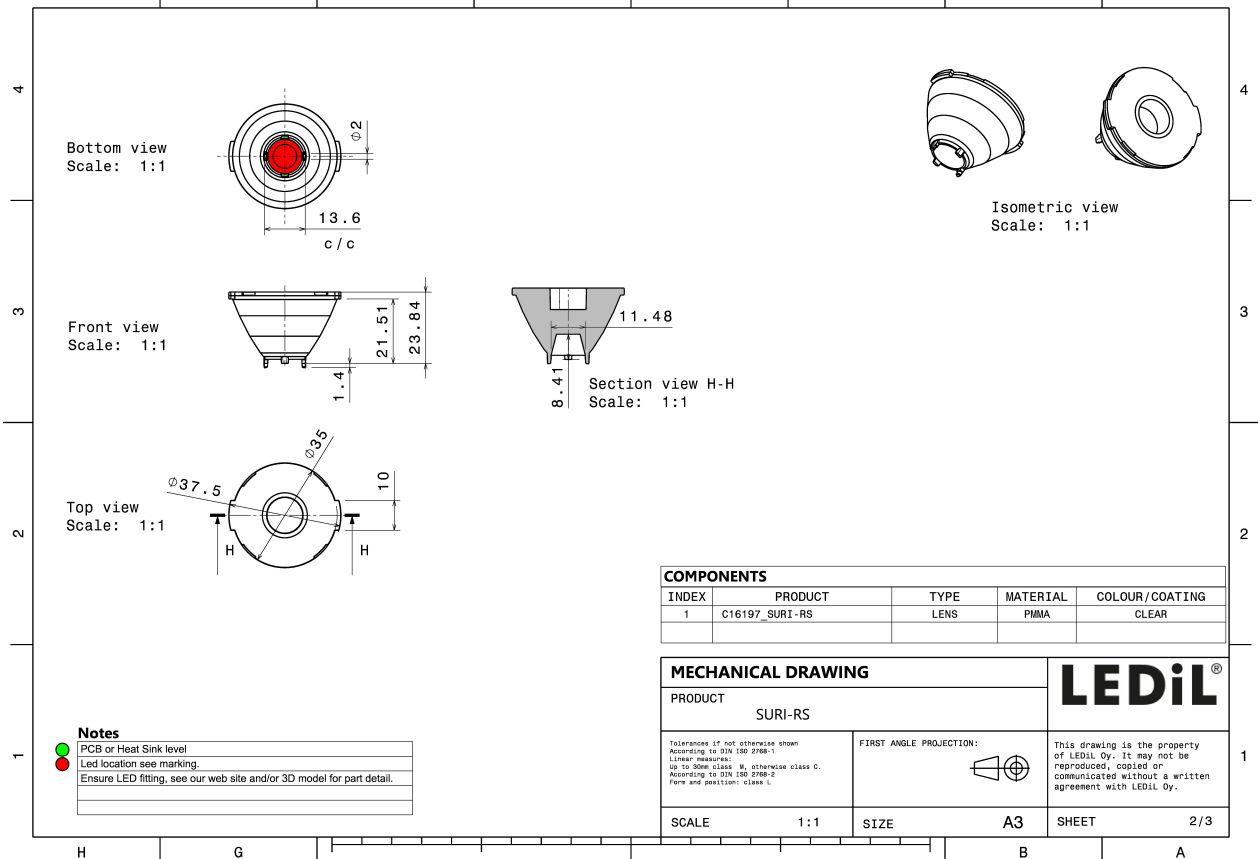
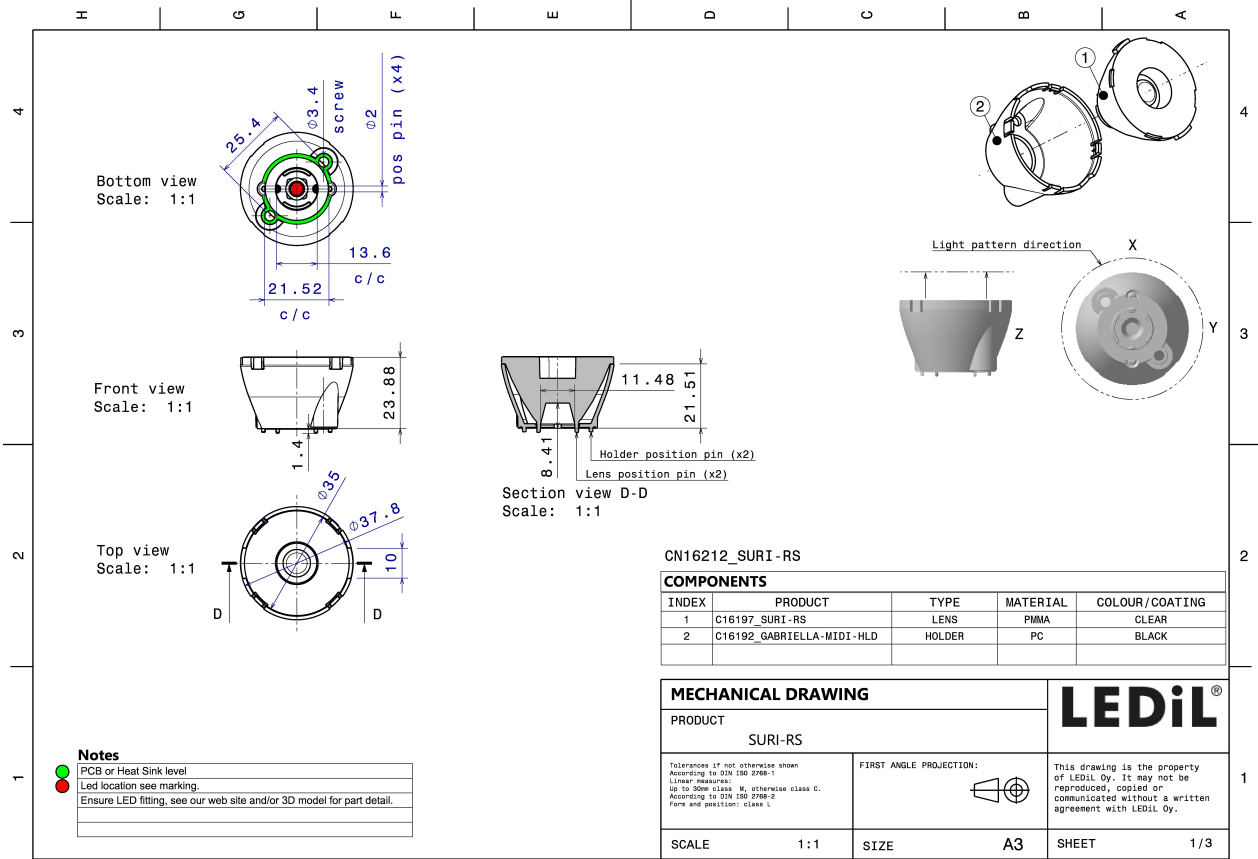
### MATERIAL SPECIFICATIONS:

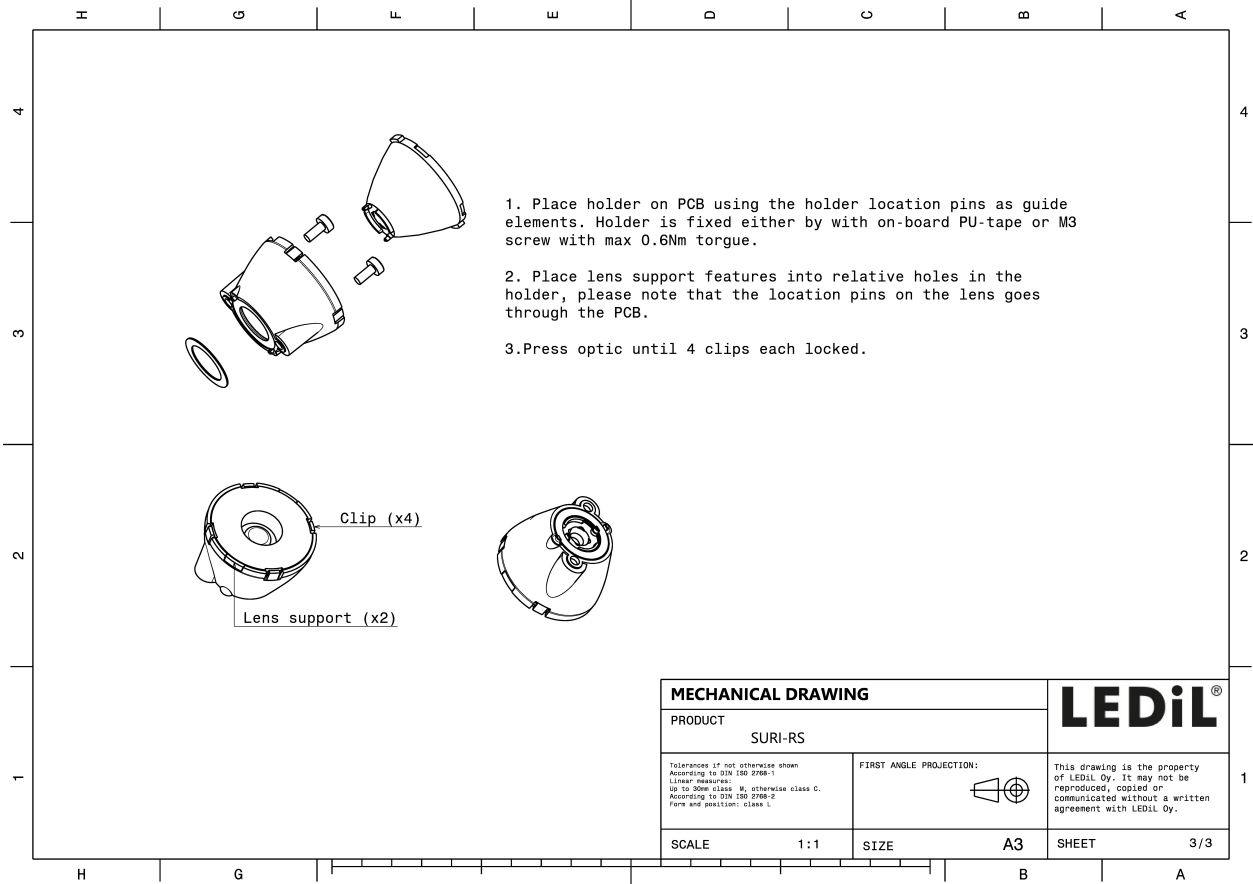
Component	Type	Material	Colour	Finish
SURI-RS	Single lens	PMMA	clear	
GABRIELLA-MIDI-HLD	Holder	PC	black	



### ORDERING INFORMATION:


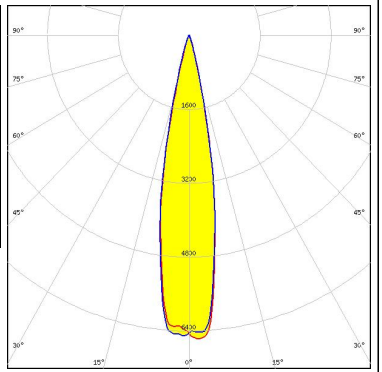

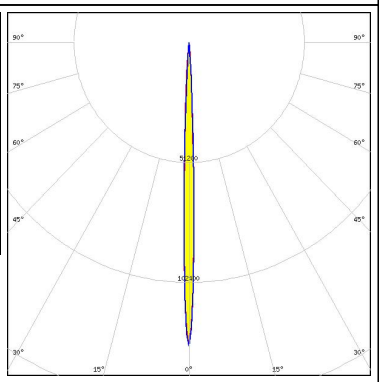

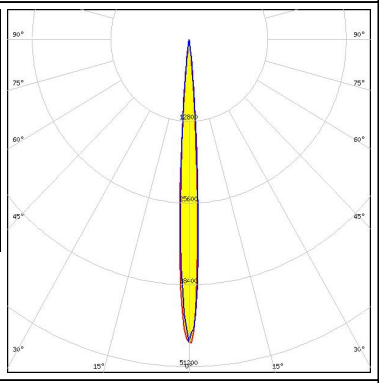

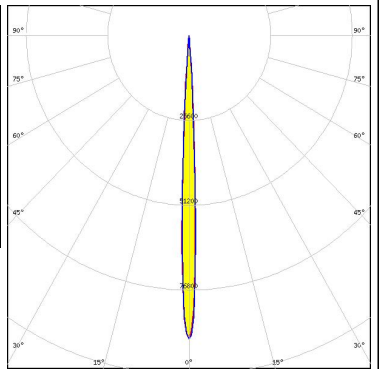
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN16212_SURI-RS	Single lens	500	100	50	0.0
» Box size:					




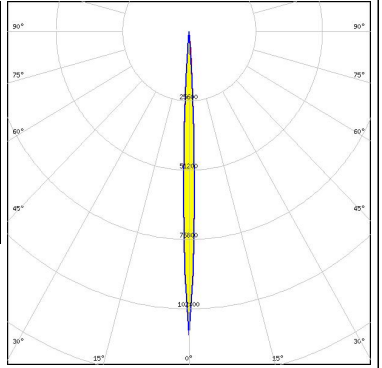
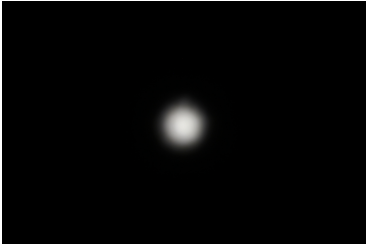
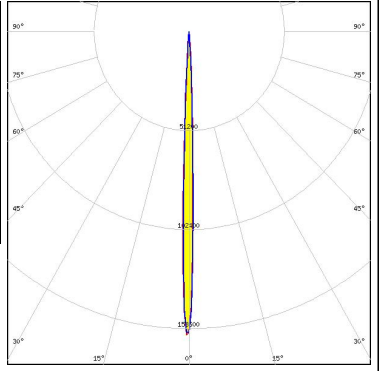

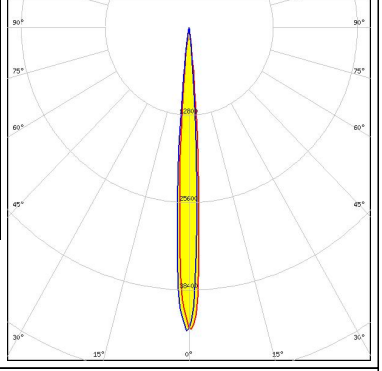

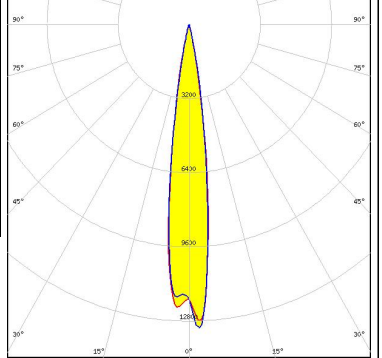


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XHP70.2            FWHM / FWTM 20.0° / 32.0°            Efficiency 88 %            Peak intensity 6.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LED</p> <p>LED XQ-E HI            FWHM / FWTM 4.0° / 8.0°            Efficiency 91 %            Peak intensity 129.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> LED</p> <p>LED XT-E            FWHM / FWTM 7.0° / 12.0°            Efficiency 86 %            Peak intensity 47.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON C            FWHM / FWTM 5.0° / 9.0°            Efficiency 86 %            Peak intensity 91.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

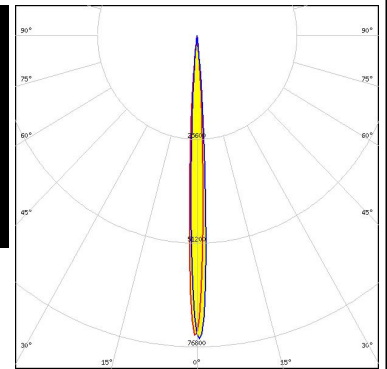
<p><b>LUMILEDS</b></p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 4.0° / 9.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 124 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON Z</p> <p>FWHM / FWTM 4.0° / 7.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 158 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219F</p> <p>FWHM / FWTM 7.0° / 13.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 46 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 Duris S8</p> <p>FWHM / FWTM 14.0° / 24.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 13.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

##### OSRAM

Opto Semiconductors

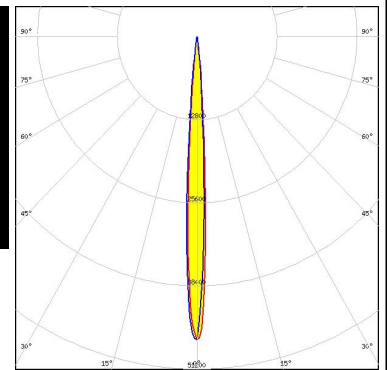
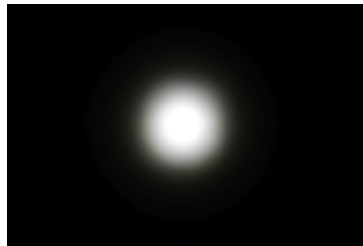
LED KW CULPM1.TG  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 92 %  
 Peak intensity 75.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

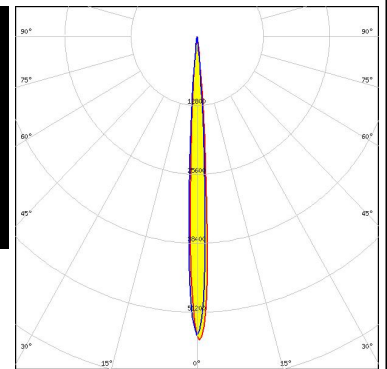
LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 7.0° / 13.0°  
 Efficiency 90 %  
 Peak intensity 47.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

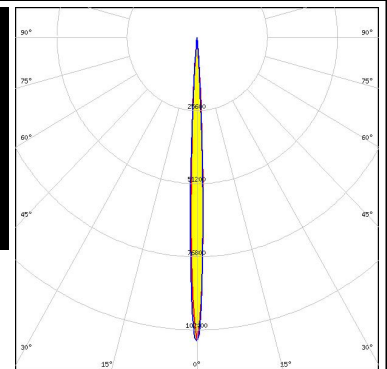
LED OSLON Square EC  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 90 %  
 Peak intensity 56 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### OSRAM

Opto Semiconductors

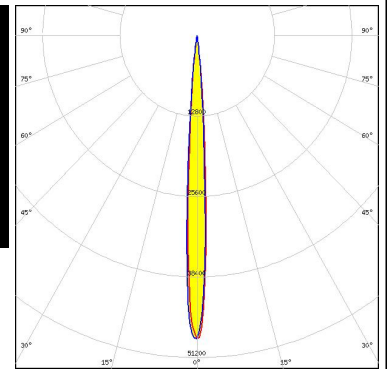
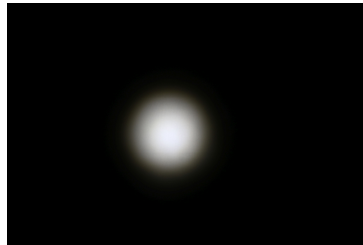
LED OSLON SSL 150  
 FWHM / FWTM 5.0° / 9.0°  
 Efficiency 93 %  
 Peak intensity 106 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

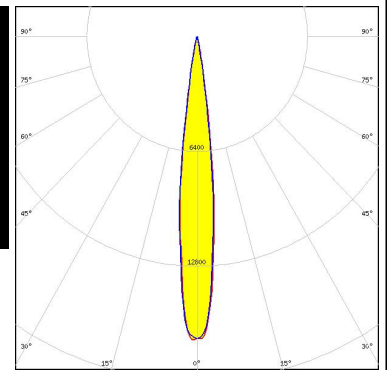
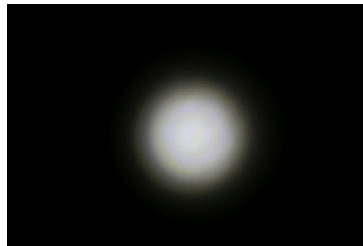
### SAMSUNG

LED LH181B  
 FWHM / FWTM 7.0° / 13.0°  
 Efficiency 91 %  
 Peak intensity 48.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



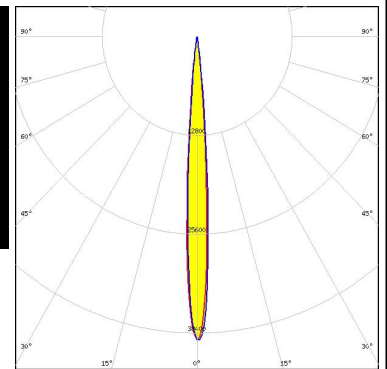
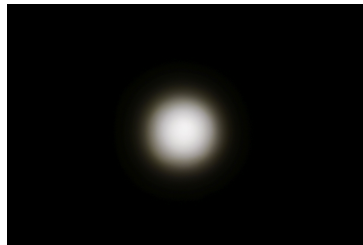
### SAMSUNG

LED LH508A  
 FWHM / FWTM 13.0° / 21.0°  
 Efficiency 91 %  
 Peak intensity 16.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


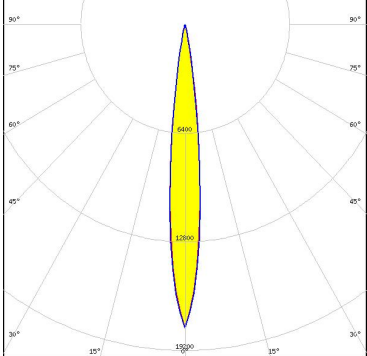

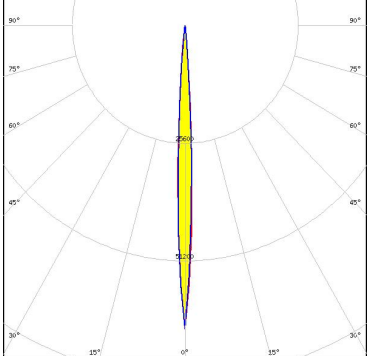

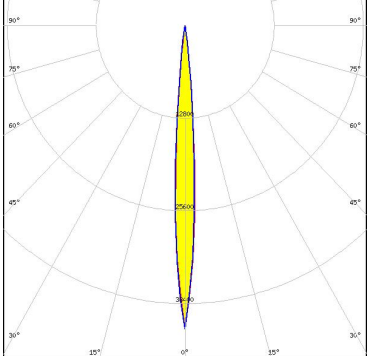

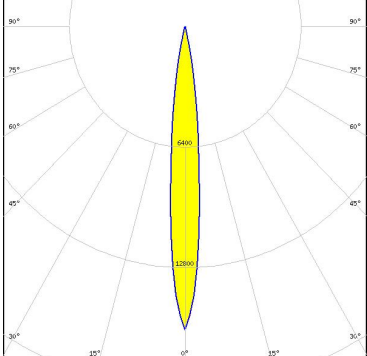


SEOUL SEMICONDUCTOR

LED Z5M3  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 90 %  
 Peak intensity 39.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

<p> <b>bridgelux</b></p> <p>LED: Bridgelux SMD 5050            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 93 %            Peak intensity: 17.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: XD16            FWHM / FWTM: 6.0° / 11.0°            Efficiency: 87 %            Peak intensity: 66 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: XHP35 HI            FWHM / FWTM: 8.0° / 14.0°            Efficiency: 91 %            Peak intensity: 41.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: XHP35.2            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 89 %            Peak intensity: 16.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XHP50.2            FWHM / FWTM: 14.0° / 24.0°            Efficiency: 89 %            Peak intensity: 13 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XHP50.3 HD            FWHM / FWTM: 14.0° / 22.0°            Efficiency: 89 %            Peak intensity: 14.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XHP50.3 HI            FWHM / FWTM: 10.0° / 18.0°            Efficiency: 91 %            Peak intensity: 23.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED: XHP70.3            FWHM / FWTM: 18.0° / 30.0°            Efficiency: 88 %            Peak intensity: 7.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

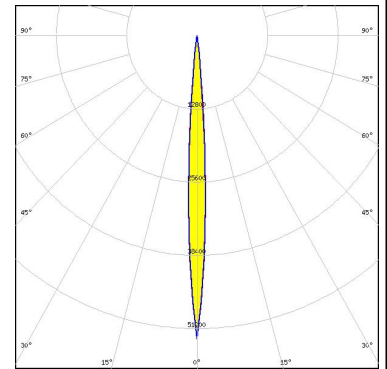
### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED: XP-E2            FWHM / FWTM: 5.0° / 10.0°            Efficiency: 91 %            Peak intensity: 85 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: 6.0° / 12.0°            Efficiency: 91 %            Peak intensity: 58 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED: XP-G2 HE            FWHM / FWTM: 8.0° / 16.0°            Efficiency: 91 %            Peak intensity: 38 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: 7.7° / 14.0°            Efficiency: 90 %            Peak intensity: 40.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

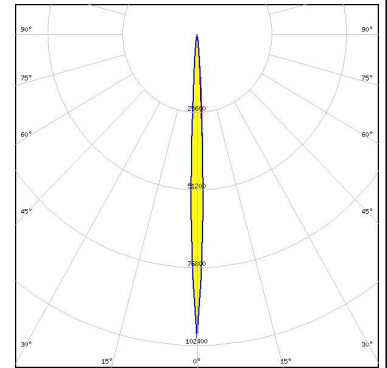
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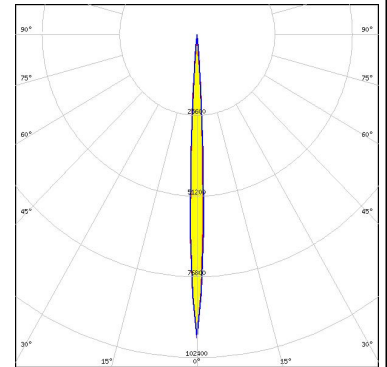
LED XP-L HI  
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 Efficiency 91 %  
 Peak intensity 53 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



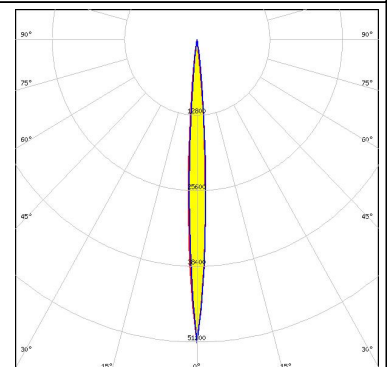
LED XP-P  
 FWHM / FWTM 4.0° / 10.0°  
 Efficiency 94 %  
 Peak intensity 100 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:




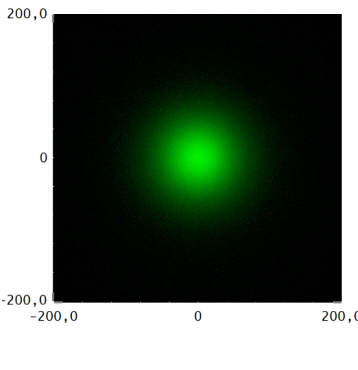
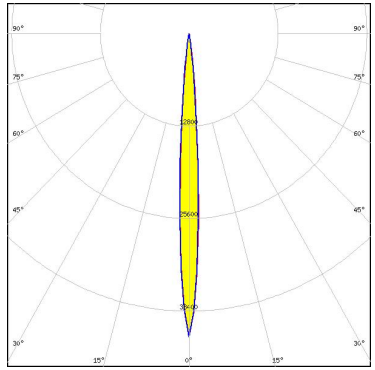

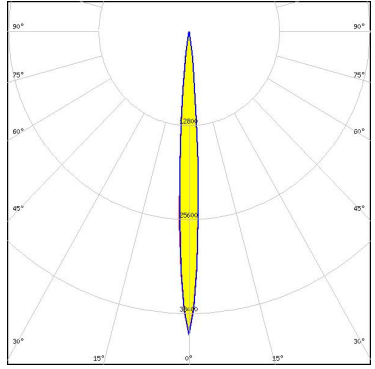

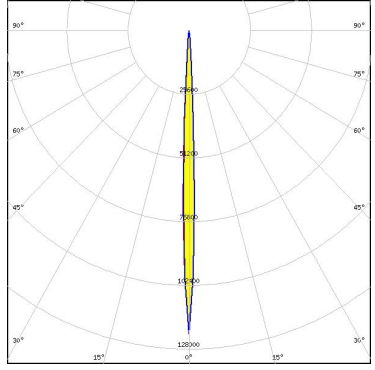

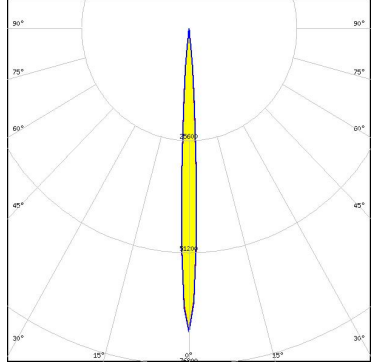
LED XQ-E HD  
 FWHM / FWTM 5.2° / 9.5°  
 Efficiency 92 %  
 Peak intensity 96.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON 3030 2D (Round LES)  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 90 %  
 Peak intensity 51.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (SIMULATED):

	<p>LED LUXEON CZ</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 42 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Green</p> <p>Required components:</p>		
	<p>LED LUXEON Rubix (white)</p> <p>FWHM / FWTM 8.0° / 14.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 41.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Green</p> <p>Required components:</p>		
	<p>LED LUXEON Rubix (white)</p> <p>FWHM / FWTM 4.0° / 8.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 121.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Blue</p> <p>Required components:</p>		
	<p>LED NCSxE17A</p> <p>FWHM / FWTM 6.0° / 10.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 69.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

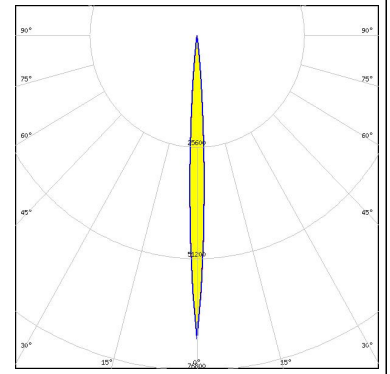
### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 6.0° / 14.0°            Efficiency 88 %            Peak intensity 48.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3            FWHM / FWTM 6.4° / 13.0°            Efficiency 92 %            Peak intensity 60.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSTAR Projection Compact (Kx.CSLNM1.xx)            FWHM / FWTM 4.0° / 10.0°            Efficiency 91 %            Peak intensity 103.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSTAR Projection Compact (Kx.CSLNM1.xx)            FWHM / FWTM 4.0° / 8.0°            Efficiency 90 %            Peak intensity 133.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

#### SAMSUNG

LED	LM101B
FWHM / FWTM	6.0° / 12.0°
Efficiency	90 %
Peak intensity	69.6 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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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