

## 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 ⓘ

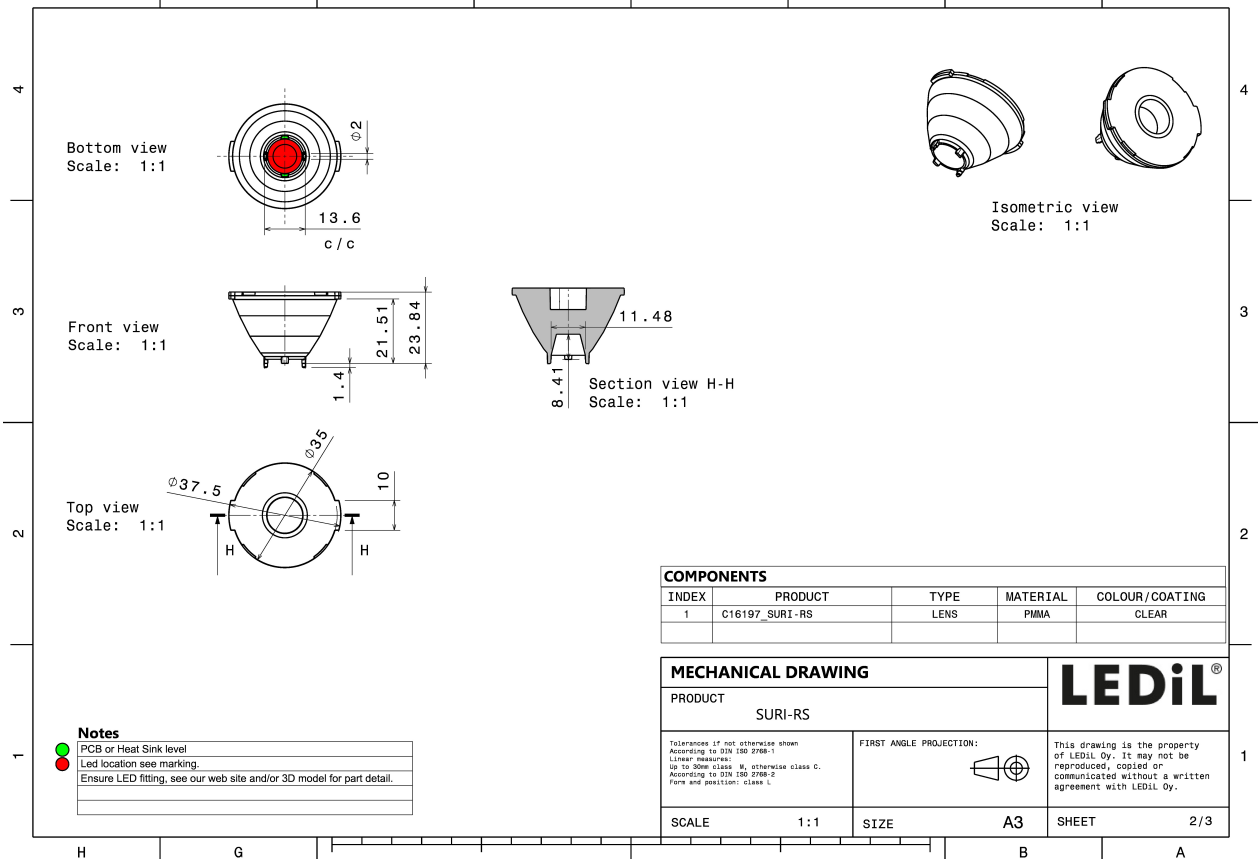
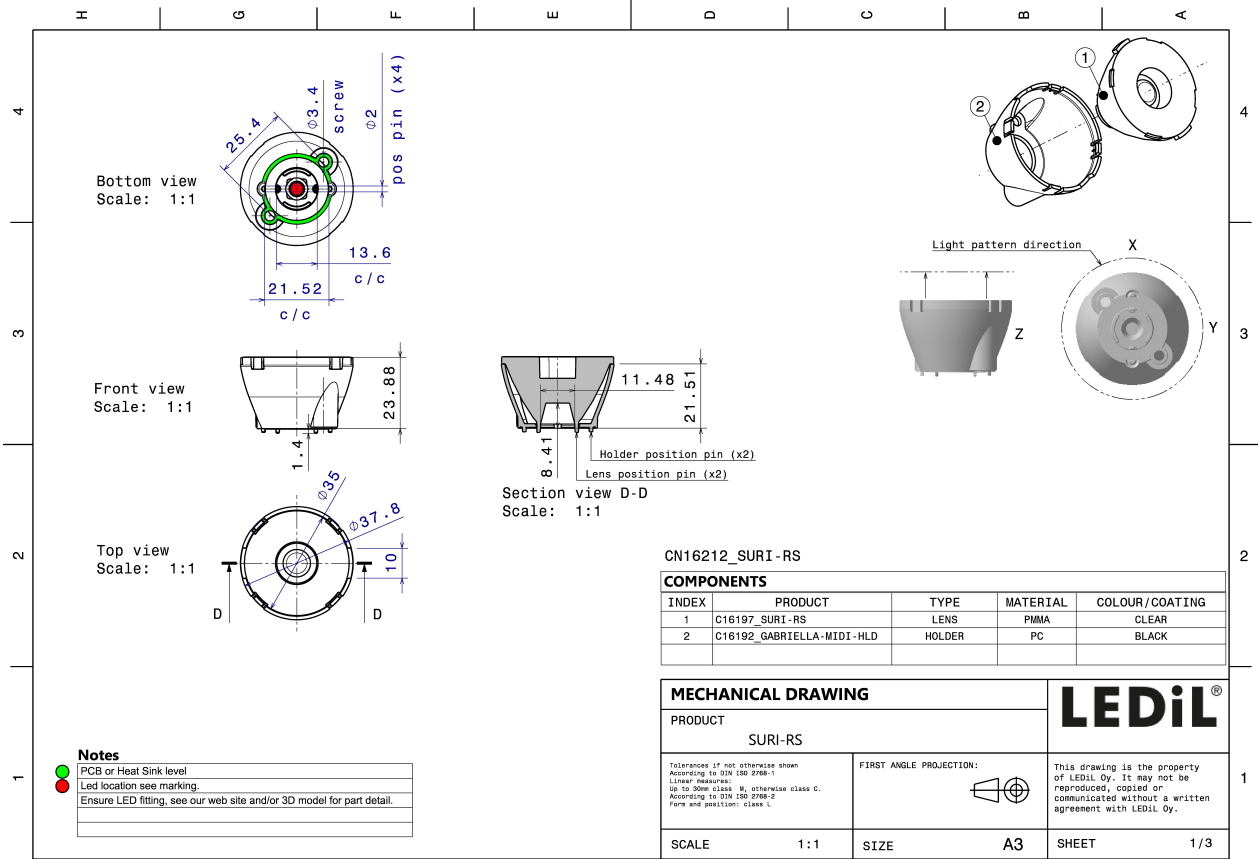
### MATERIAL SPECIFICATIONS:

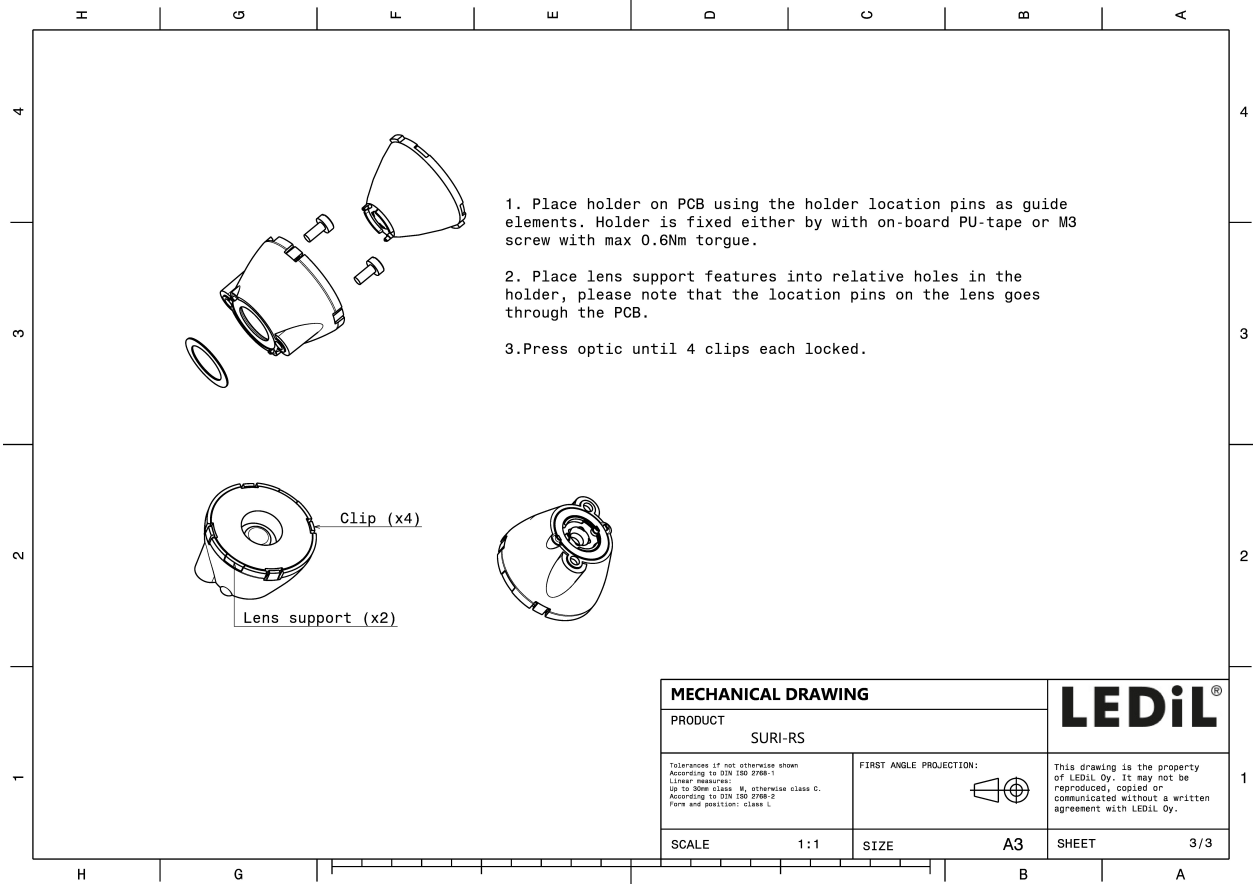
Component	Type	Material	Colour	Finish
SURI-RS	Single lens	PMMA	clear	
GABRIELLA-MIDI-HLD	Holder	PC	black	



### ORDERING INFORMATION:

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



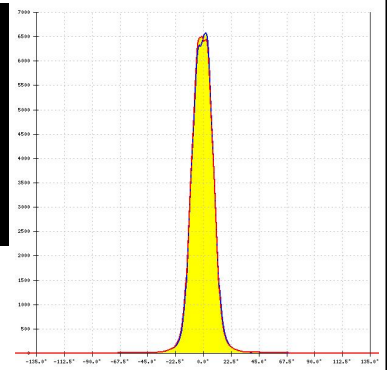
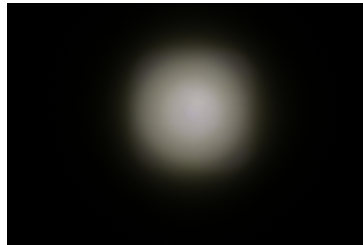


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### PHOTOMETRIC DATA (MEASURED):

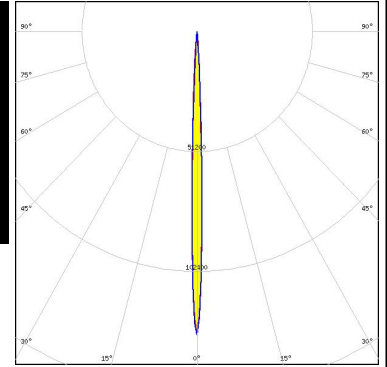
##### CREE LED

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:



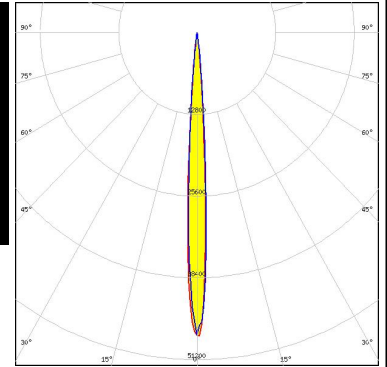
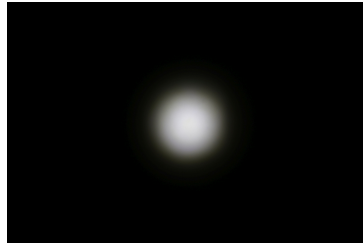
##### CREE LED

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:



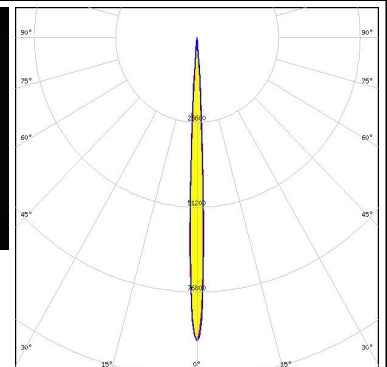
##### CREE LED

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:



##### LUMILEDS

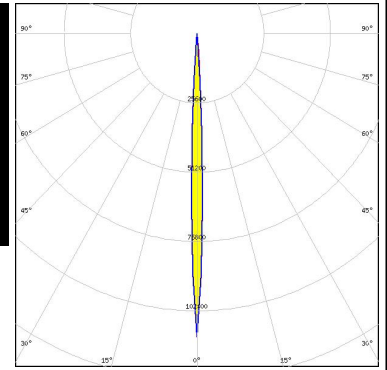
LED LUXEON C  
 FWHM / FWTM 5.0° / 9.0°  
 Efficiency 86 %  
 Peak intensity 91.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

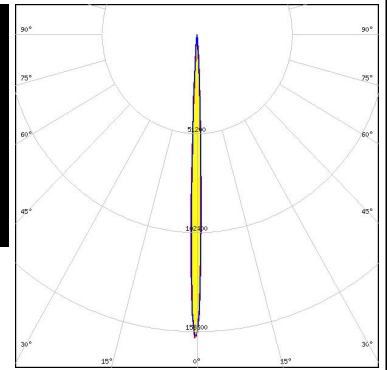
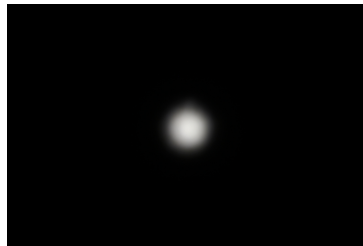
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 4.0° / 9.0°  
 Efficiency 93 %  
 Peak intensity 124 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



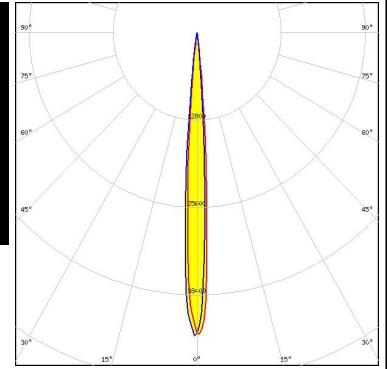
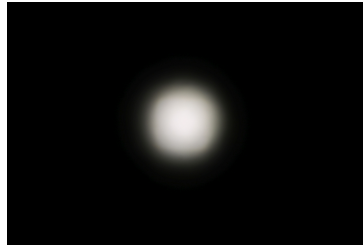
#### LUMILEDS

LED LUXEON Z  
 FWHM / FWTM 4.0° / 7.0°  
 Efficiency 92 %  
 Peak intensity 158 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### NICHIA

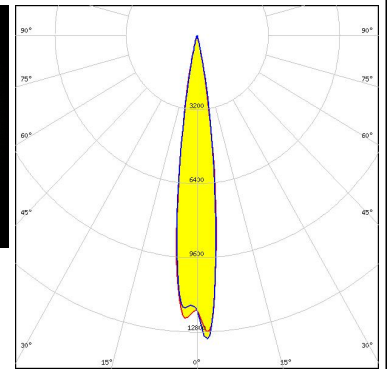
LED NVSW219F  
 FWHM / FWTM 7.0° / 13.0°  
 Efficiency 92 %  
 Peak intensity 46 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:




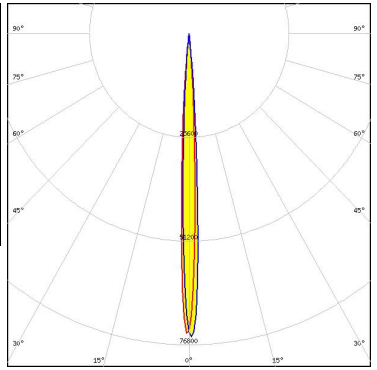

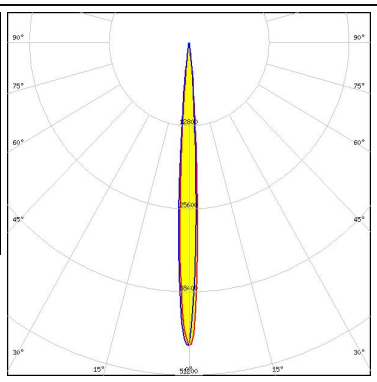

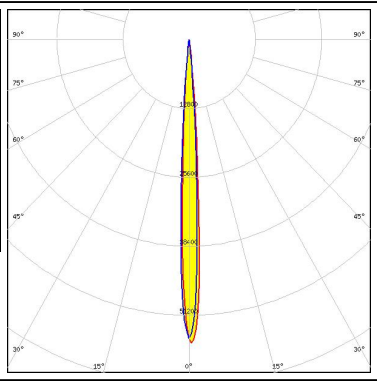

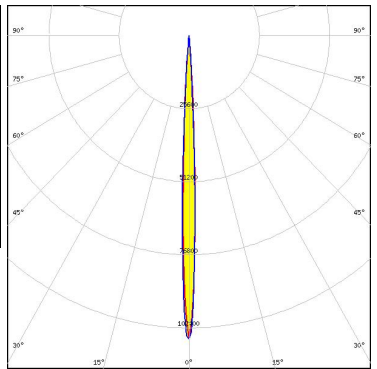
#### OSRAM

Opto Semiconductors

LED Duris S8  
 FWHM / FWTM 14.0° / 24.0°  
 Efficiency 90 %  
 Peak intensity 13.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



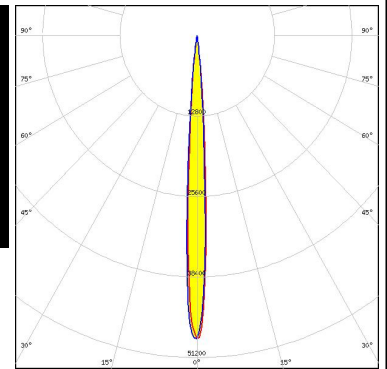
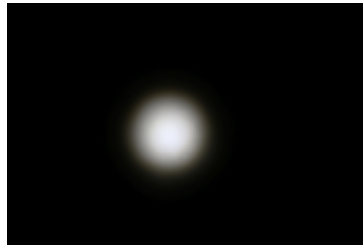
#### PHOTOMETRIC DATA (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED                    KW CULPM1.TG</p> <p>FWHM / FWTM      6.0° / 11.0°</p> <p>Efficiency            92 %</p> <p>Peak intensity      75.2 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                    OSCONIQ P 3737 (2W version)</p> <p>FWHM / FWTM      7.0° / 13.0°</p> <p>Efficiency            90 %</p> <p>Peak intensity      47.7 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      6.0° / 12.0°</p> <p>Efficiency            90 %</p> <p>Peak intensity      56 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 SSL 150</p> <p>FWHM / FWTM      5.0° / 9.0°</p> <p>Efficiency            93 %</p> <p>Peak intensity      106 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        White</p> <p>Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

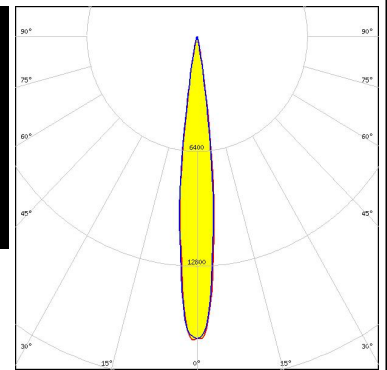
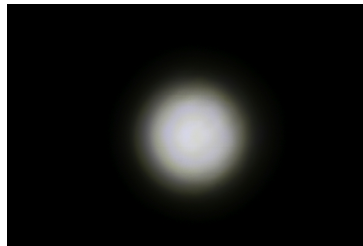
### SAMSUNG

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:



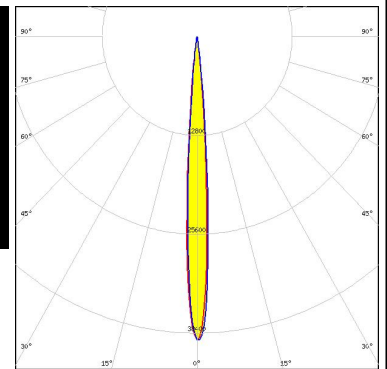
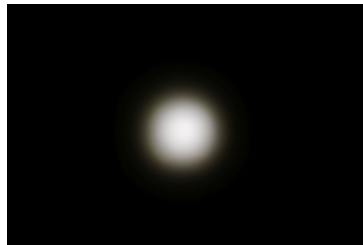
### SAMSUNG

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:


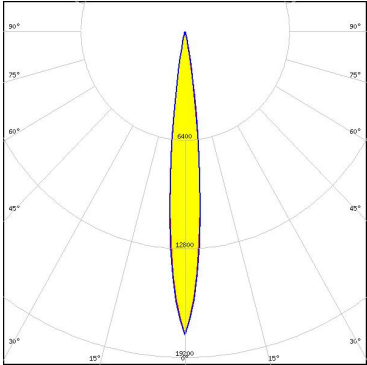

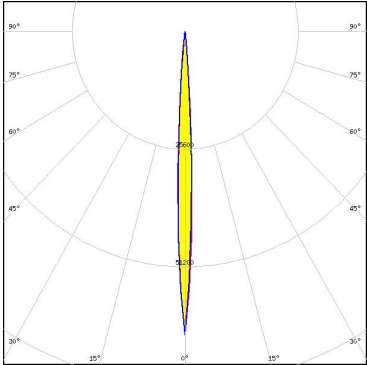

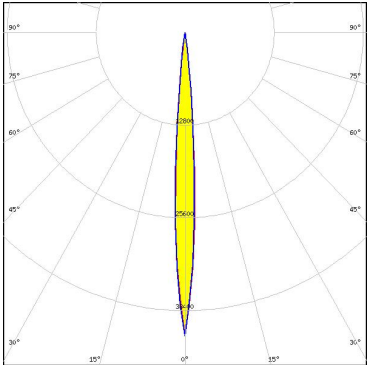

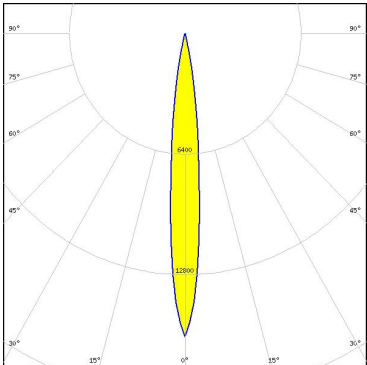


SEOUL SEMICONDUCTOR

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):

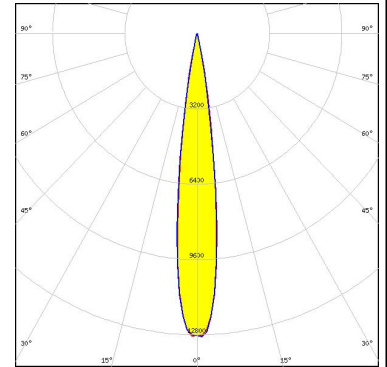
<p> <b>bridgelux</b></p> <p>LED: Bridgelux SMD 5050            FWHM / FWTM: 12.0° / 22.0°            Efficiency: 93 %            Peak intensity: 17.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p> <b>CREE LED</b></p> <p>LED: XD16            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>	



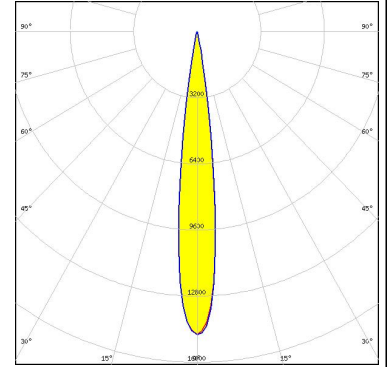
### PHOTOMETRIC DATA (SIMULATED):



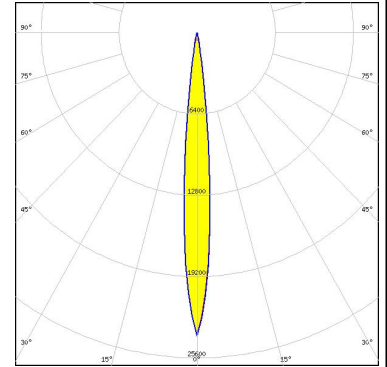
LED XHP50.2  
 FWHM / FWTM 14.0° / 24.0°  
 Efficiency 89 %  
 Peak intensity 13 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



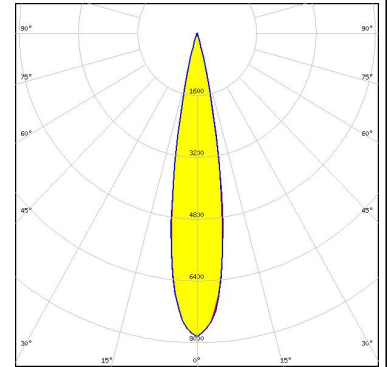
LED XHP50.3 HD  
 FWHM / FWTM 14.0° / 22.0°  
 Efficiency 89 %  
 Peak intensity 14.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:



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:



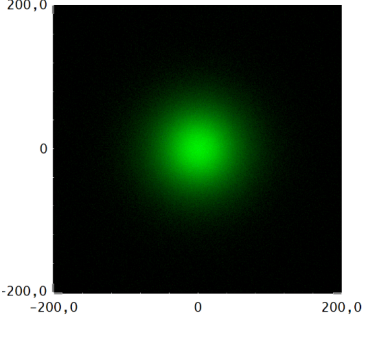
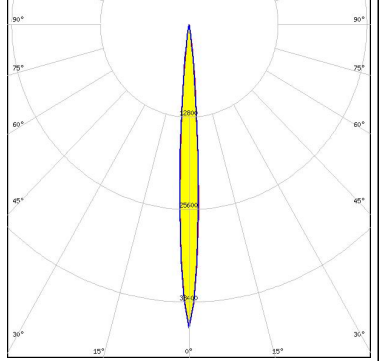
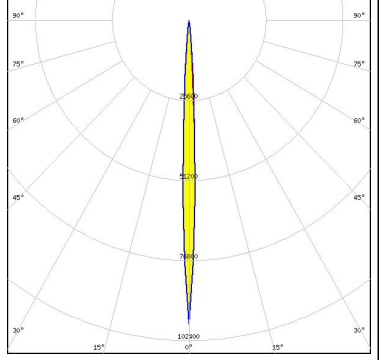
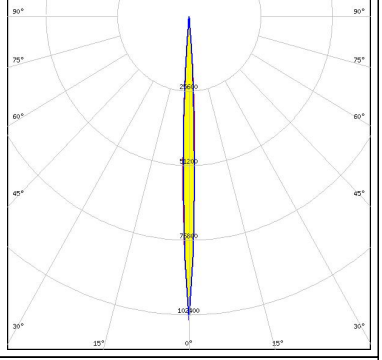
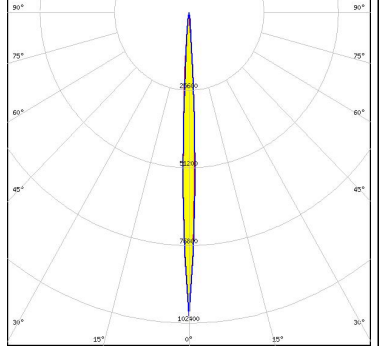
### PHOTOMETRIC DATA (SIMULATED):

<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>	

### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XP-L HI            FWHM / FWTM: 6.0° / 12.0°            Efficiency: 91 %            Peak intensity: 53 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> LED</p> <p>LED: XP-P            FWHM / FWTM: 4.0° / 10.0°            Efficiency: 94 %            Peak intensity: 100 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> LED</p> <p>LED: XQ-E HD            FWHM / FWTM: 5.2° / 9.5°            Efficiency: 92 %            Peak intensity: 96.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 3030 2D (Round LES)            FWHM / FWTM: 6.0° / 14.0°            Efficiency: 90 %            Peak intensity: 51.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON CZ            FWHM / FWTM: 8.0° / 14.0°            Efficiency: 92 %            Peak intensity: 42 cd/lm            LEDs/each optic: 1            Light colour: Green            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Rubix            FWHM / FWTM: 4.0° / 10.0°            Efficiency: 91 %            Peak intensity: 97.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Rubix            FWHM / FWTM: 4.0° / 10.0°            Efficiency: 91 %            Peak intensity: 104.2 cd/lm            LEDs/each optic: 1            Light colour: Red            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Rubix            FWHM / FWTM: 4.0° / 10.0°            Efficiency: 91 %            Peak intensity: 100.1 cd/lm            LEDs/each optic: 1            Light colour: Green            Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

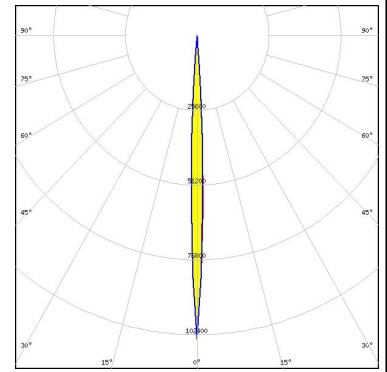
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Rubix</p> <p>FWHM / FWTM: 4.0° / 10.0°</p> <p>Efficiency: 91 %</p> <p>Peak intensity: 99.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Blue</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NCSxE17A</p> <p>FWHM / FWTM: 6.0° / 10.0°</p> <p>Efficiency: 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>	
<p><b>NICHIA</b></p> <p>LED: NVSxE21A</p> <p>FWHM / FWTM: 6.0° / 14.0°</p> <p>Efficiency: 88 %</p> <p>Peak intensity: 48.2 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: OSOLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: 6.4° / 13.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 60.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

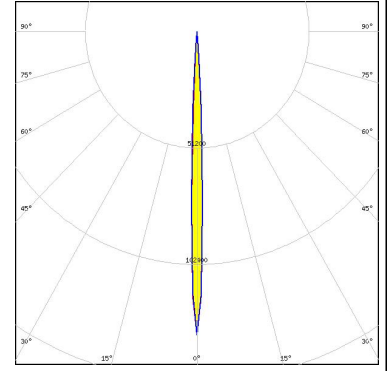
LED OSTAR Projection Compact (Kx.CSLNM1.xx)  
 FWHM / FWTM 4.0° / 10.0°  
 Efficiency 91 %  
 Peak intensity 103.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

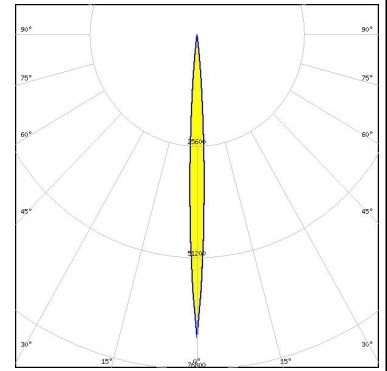
Opto Semiconductors

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:



#### 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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#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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