

## EMILY-RS

~8° spot beam. 14.74 mm high lens.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

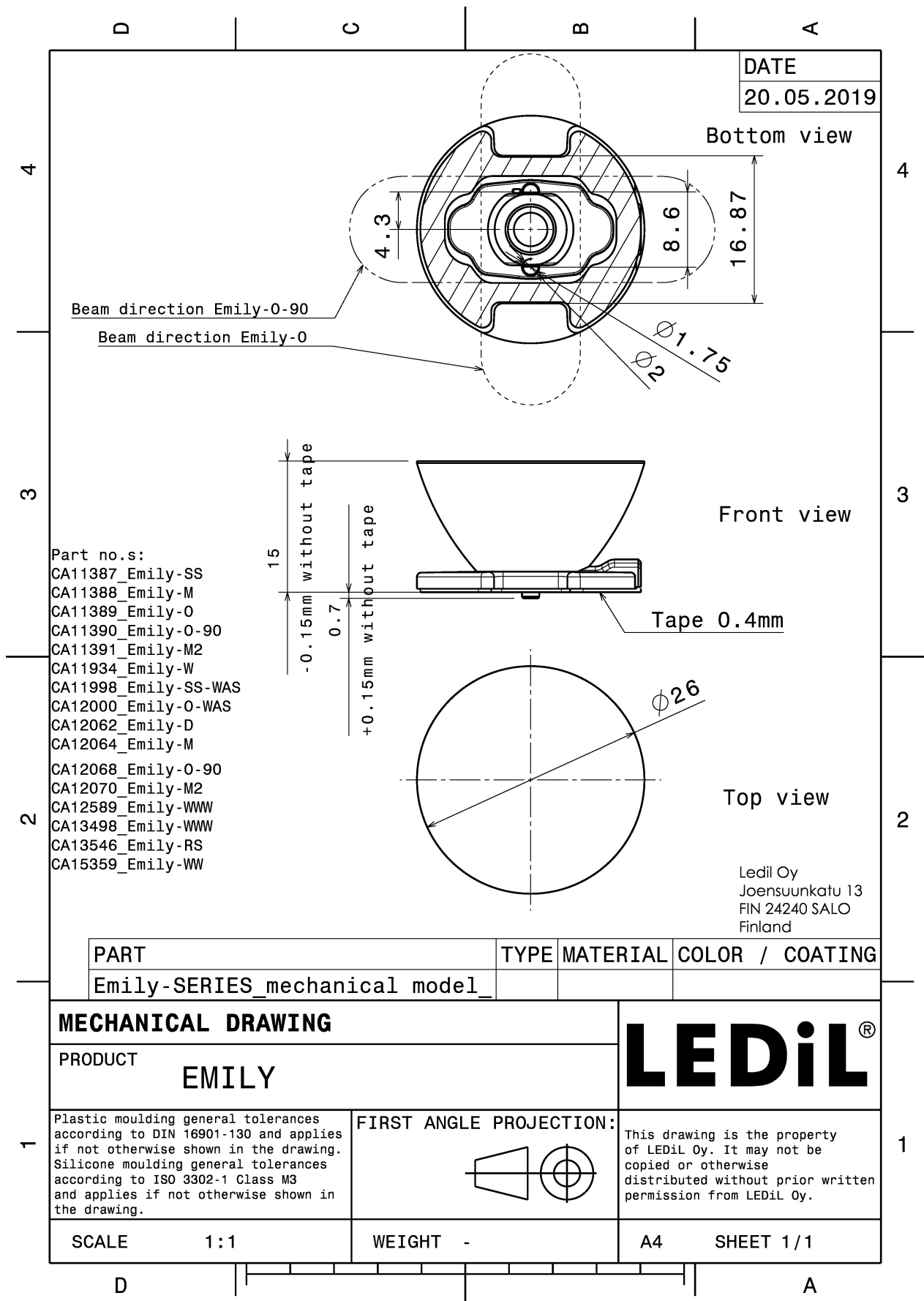
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
EMILY-RS	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	




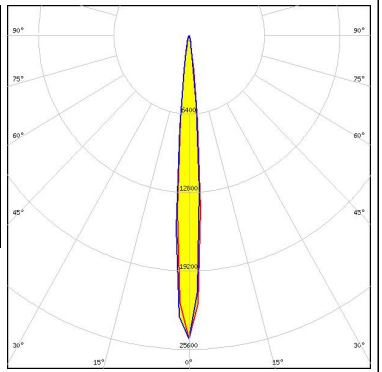

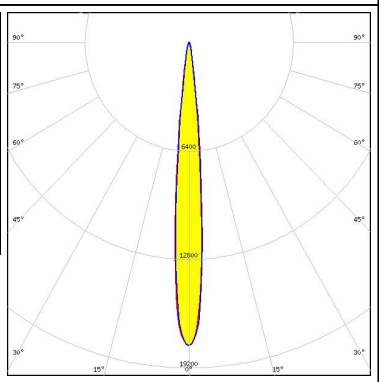

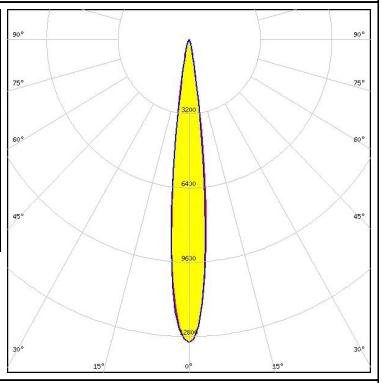

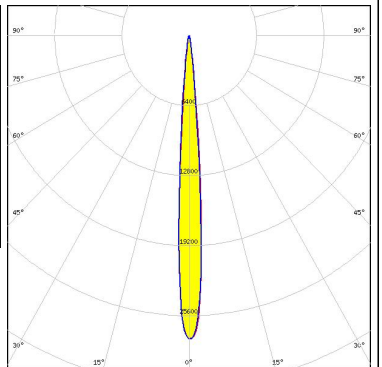
### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA13546_EMILY-RS	Single lens	1690	260	130	10.3
» Box size: 480 x 280 x 300 mm					


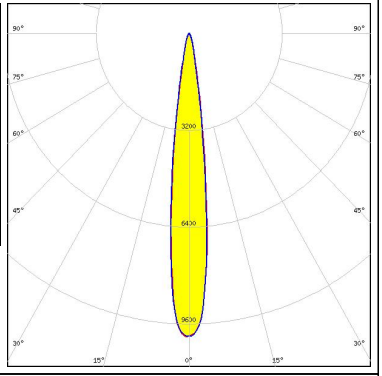

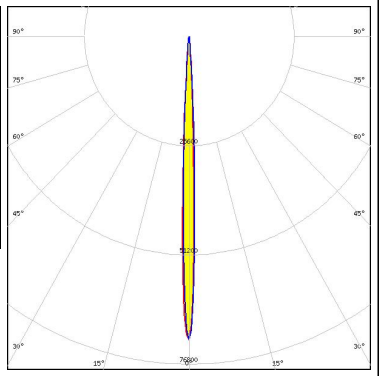

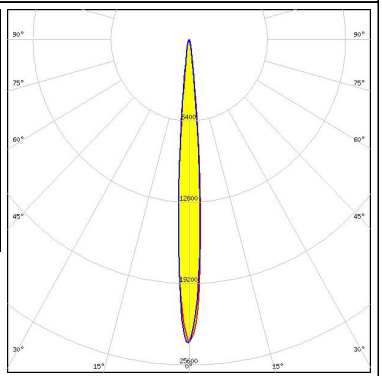

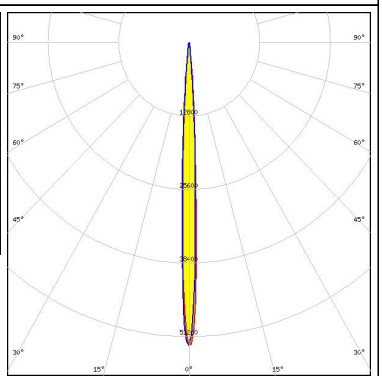


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)


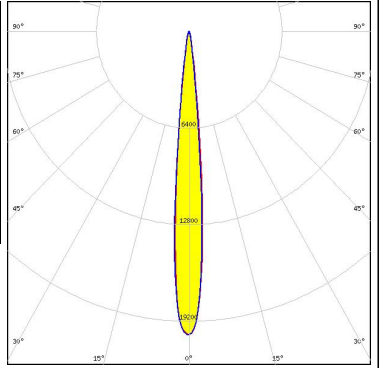

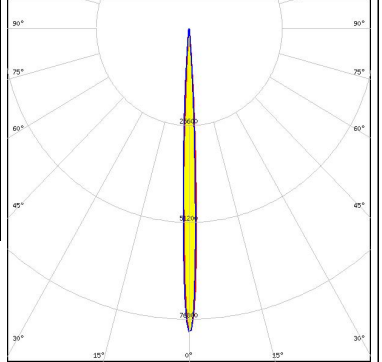
#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED            XB-H            FWHM / FWTM    9.0° / 17.0°            Efficiency        88 %            Peak intensity    24.7 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    10.0° / 18.0°            Efficiency        94 %            Peak intensity    18 cd/lm            LEDs/each optic   1            Light colour      White            Required components:</p>		
<p><b>CREE</b> → <b>LED</b></p> <p>LED            XP-L HD            FWHM / FWTM    13.0° / 23.0°            Efficiency        89 %            Peak intensity    13.1 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    8.0° / 15.0°            Efficiency        88 %            Peak intensity    28 cd/lm            LEDs/each optic   1            Light colour      White            Required components:</p>		

#### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED: XP-L2            FWHM / FWTM: 13.0° / 25.0°            Efficiency: 93 %            Peak intensity: 10 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° / 9.0°            Efficiency: 94 %            Peak intensity: 71.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> LED</p> <p>LED: XT-E            FWHM / FWTM: 8.0° / 16.0°            Efficiency: 91 %            Peak intensity: 23.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Z ES            FWHM / FWTM: 5.0° / 11.0°            Efficiency: 91 %            Peak intensity: 52 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW219D            FWHM / FWTM 10.0° / 18.0°            Efficiency 94 %            Peak intensity 20.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC            FWHM / FWTM 8.0° / 15.0°            Efficiency 90 %            Peak intensity 29.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED PLPVEC2 850A            FWHM / FWTM 4.0° / 11.0°            Efficiency %            LEDs/each optic 1            Light colour IR            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED nPola            FWHM / FWTM 5.0°            Efficiency 94 %            Peak intensity 81.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):



#### PHOTOMETRIC DATA (SIMULATED):

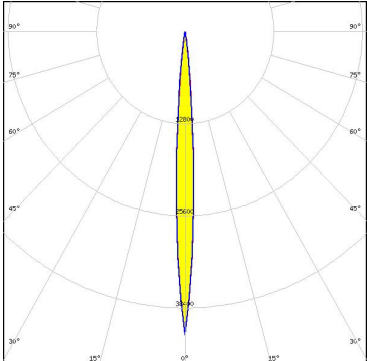
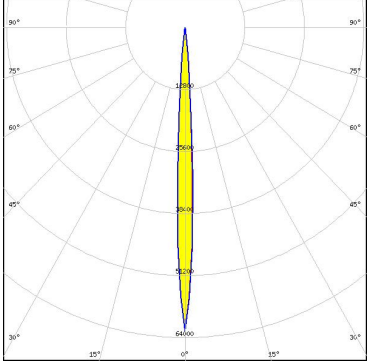
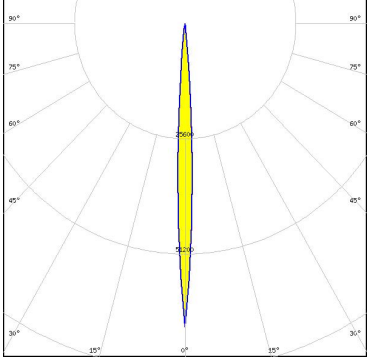
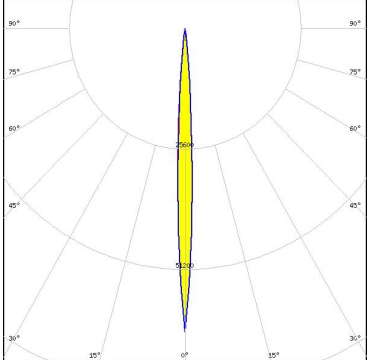
<p><b>CREE</b> → <b>LED</b></p> <p>LED: XHP35 HI            FWHM / FWTM: 10.0° / 18.0°            Efficiency: 96 %            Peak intensity: 22 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED: XP-E2            FWHM / FWTM: 6.0° / 14.0°            Efficiency: 94 %            Peak intensity: 51.8 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: 8.0° / 16.0°            Efficiency: 94 %            Peak intensity: 30.4 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: 10.0° / 20.0°            Efficiency: 95 %            Peak intensity: 19.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XP-P            FWHM / FWTM: 6.0° / 12.0°            Efficiency: 96 %            Peak intensity: 63.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON C            FWHM / FWTM: 7.0° / 16.0°            Efficiency: 94 %            Peak intensity: 37.3 cd/lm            LEDs/each optic: 1            Light colour: Royal Blue            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON MZ            FWHM / FWTM: 14.0° / 26.0°            Efficiency: 95 %            Peak intensity: 10.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Rebel            FWHM / FWTM: 6.0° / 14.0°            Efficiency: 94 %            Peak intensity: 41.5 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	



#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Rebel Plus</p> <p>FWHM / FWTM 6.0° / 14.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 42.1 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 Rubix</p> <p>FWHM / FWTM 6.0° / 12.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 62.6 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 Rubix</p> <p>FWHM / FWTM 6.0° / 12.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 67.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix</p> <p>FWHM / FWTM 6.0° / 12.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 64.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Green</p> <p>Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON Rubix</p> <p>FWHM / FWTM: 6.0° / 12.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 63.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: Blue</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON Z</p> <p>FWHM / FWTM: 5.9° / 12.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 65.3 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: NCSxE17A</p> <p>FWHM / FWTM: 6.0° / 16.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 35.5 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: NCSxE17A</p> <p>FWHM / FWTM: 8.0° / 16.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 32.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

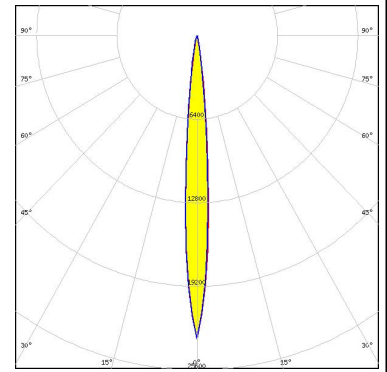
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>NICHIA</b></p> <p>LED NVSW3x9A            FWHM / FWTM 12.0° / 22.0°            Efficiency 95 %            Peak intensity 16.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 8.0° / 18.0°            Efficiency 94 %            Peak intensity 27.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxE21A            FWHM / FWTM 8.0° / 18.0°            Efficiency 93 %            Peak intensity 26.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NVSxx19B/NVSxx19C            FWHM / FWTM 10.0° / 18.0°            Efficiency 95 %            Peak intensity 22.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

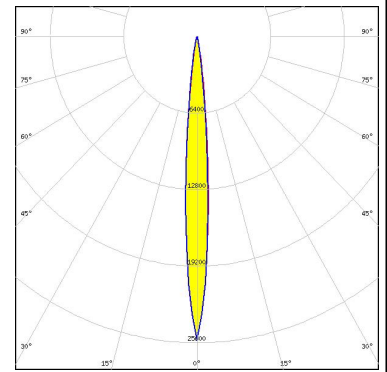
#### OSRAM Opto Semiconductors

LED Duris S5 (Single chip)  
 FWHM / FWTM 9.0° / 18.0°  
 Efficiency 89 %  
 Peak intensity 23.2 cd/lm  
 LEDs/each optic 1  
 Light colour Purple  
 Required components:



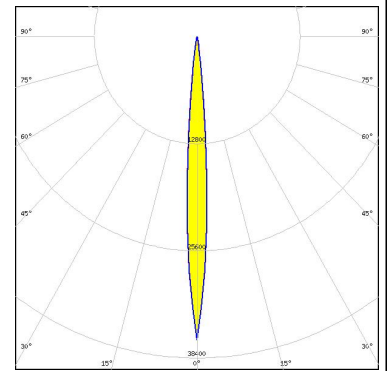
#### OSRAM Opto Semiconductors

LED Duris S5 (Single chip)  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 96 %  
 Peak intensity 25.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



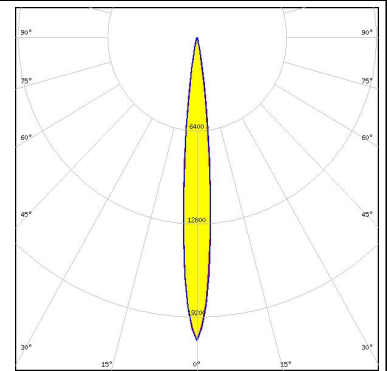
#### OSRAM Opto Semiconductors

LED OSCONIQ C 2424  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 96 %  
 Peak intensity 36.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

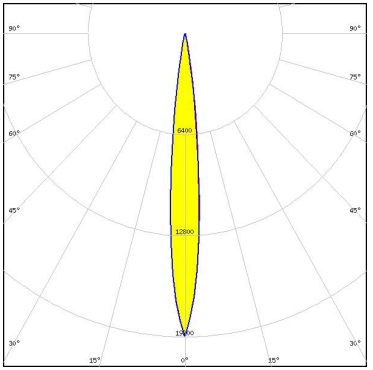
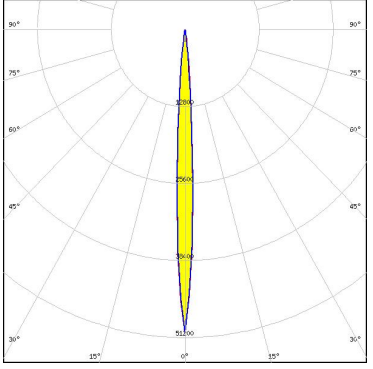
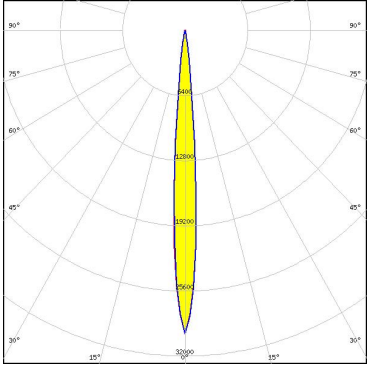
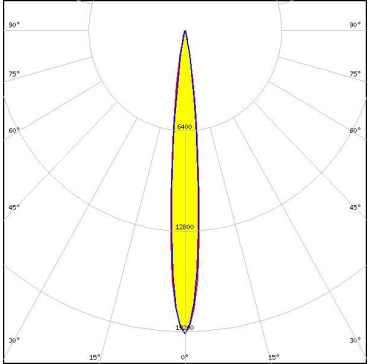


#### OSRAM Opto Semiconductors

LED OSCONIQ P 3030  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 96 %  
 Peak intensity 20.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



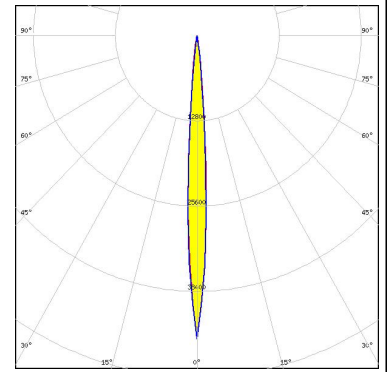
#### PHOTOMETRIC DATA (SIMULATED):

<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON Black</p> <p>FWHM / FWTM 11.0° / 20.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 19.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON Black Flat</p> <p>FWHM / FWTM 6.3° / 14.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 50.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON PURE 1010</p> <p>FWHM / FWTM 8.0° / 16.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 29.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 11.0° / 21.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 19.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

### PHOTOMETRIC DATA (SIMULATED):

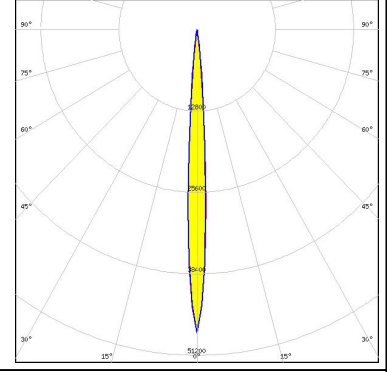
#### OSRAM Opto Semiconductors

LED OSLOM SSL 120  
 FWHM / FWTM 7.0° / 14.0°  
 Efficiency 96 %  
 Peak intensity 45.5 cd/lm  
 LEDs/each optic 1  
 Light colour Amber  
 Required components:



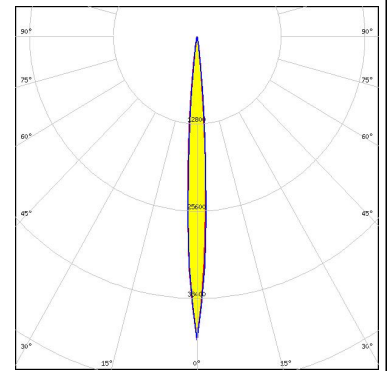
#### OSRAM Opto Semiconductors

LED OSLOM SSL 150  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 96 %  
 Peak intensity 47.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



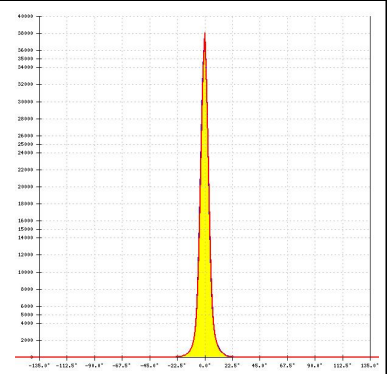
#### OSRAM Opto Semiconductors

LED OSLOM SSL 150  
 FWHM / FWTM 7.0° / 14.0°  
 Efficiency 96 %  
 Peak intensity 44.5 cd/lm  
 LEDs/each optic 1  
 Light colour Amber  
 Required components:



#### OSRAM Opto Semiconductors

LED OSLOM SSL 80  
 FWHM / FWTM 7.0° / 14.0°  
 Efficiency 94 %  
 Peak intensity 38 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED SFH 4170S  
 FWHM / FWTM 6.0° / 11.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:

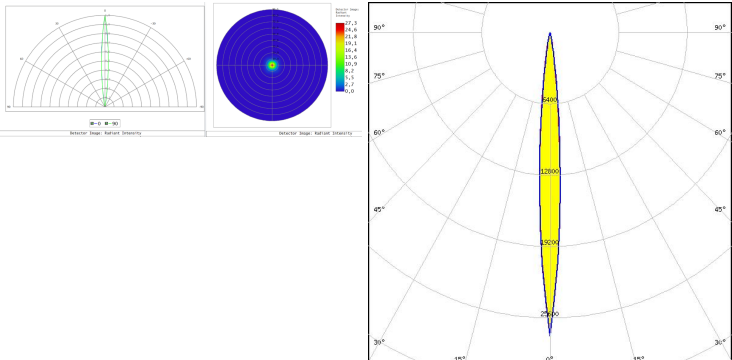


**OSRAM**  
Opto Semiconductors

LED SFH 4716AS  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 96 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:

**OSRAM**  
Opto Semiconductors

LED SFH 4725AS  
 FWHM / FWTM 8.0° / 18.0°  
 Efficiency 95 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



**SAMSUNG**

LED LM301B  
 FWHM / FWTM 9.0° / 18.0°  
 Efficiency 94 %  
 Peak intensity 28.5 cd/m  
 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

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Hong Kong, China

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