

## STELLA-RS

~25° spot beam. Compatible with up to 30 mm LES size COBs. Variant with black frame.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	39.2 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

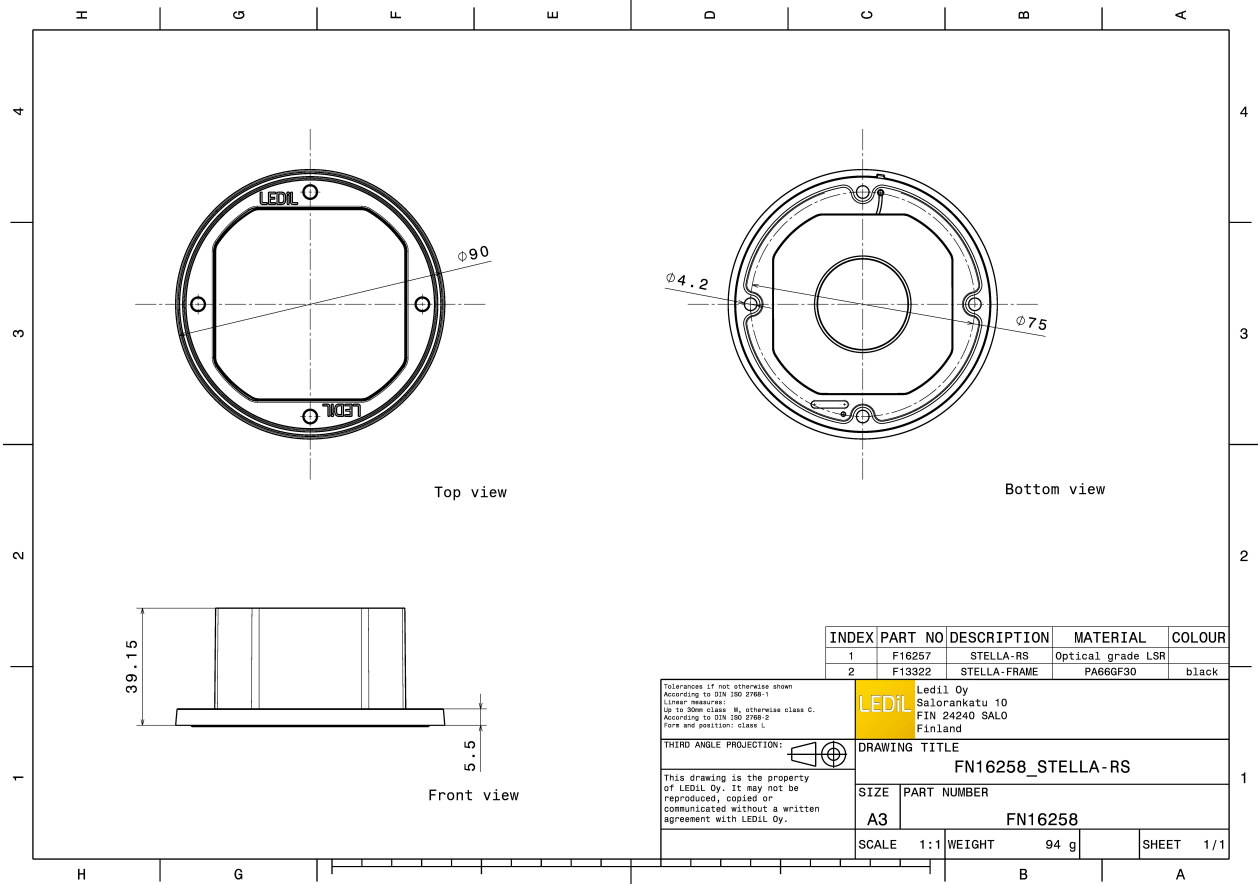
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STELLA-RS	Single lens	Silicone	clear	
STELLA-FRAME	Holder	PA66	black	

### ORDERING INFORMATION:


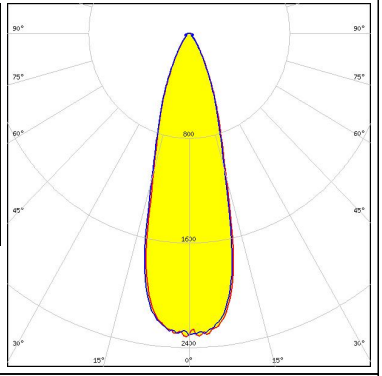

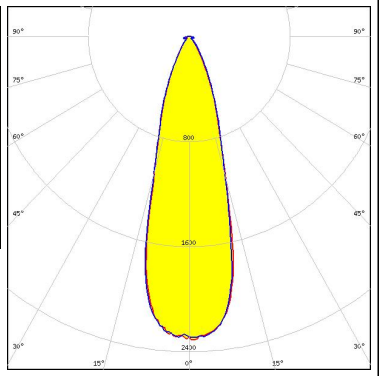

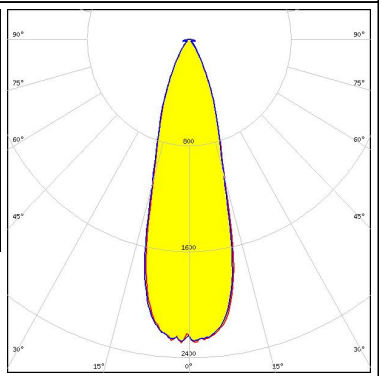

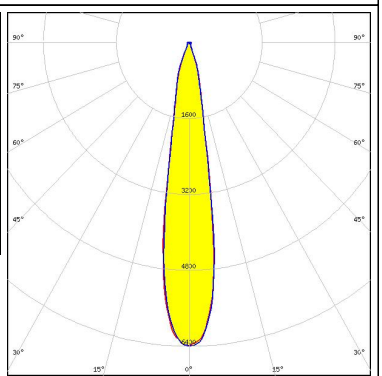
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FN16258_STELLA-RS	Single lens	90	90	15	9.8
» Box size: 480 x 280 x 300 mm					




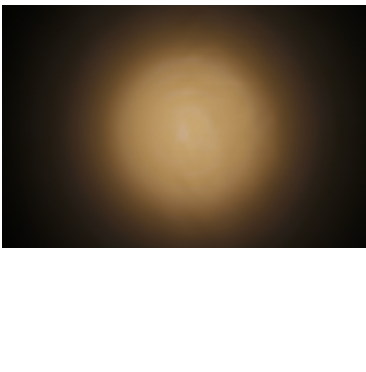
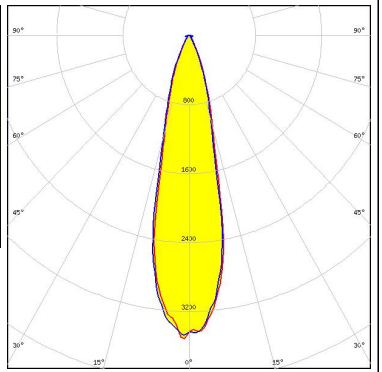


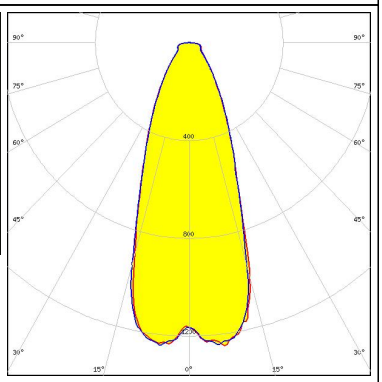
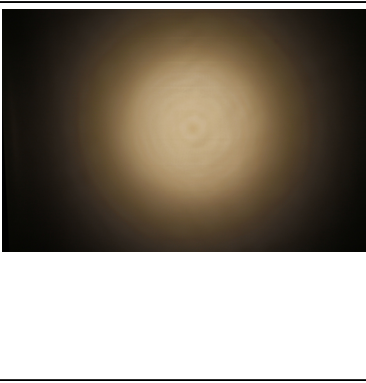
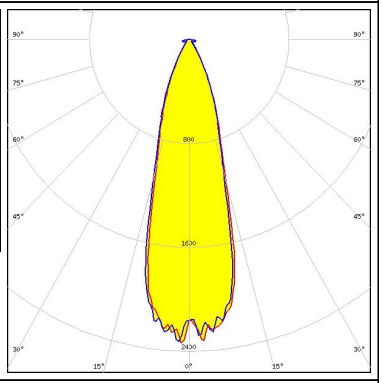




See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM / FWTM 29.0° / 60.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: TE Connectivity: 2213480-1</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM / FWTM 29.0° / 59.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ Z1</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM / FWTM 29.0° / 59.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM / FWTM 18.0° / 38.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 6.4 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

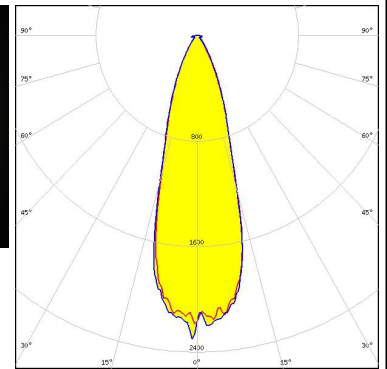
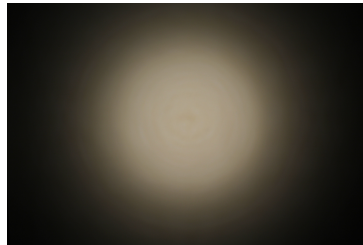
### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED VERO18 FWHM / FWTM 24.0° / 49.0° Efficiency 94 % Peak intensity 3.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p></p> <p>LED VERO29 FWHM / FWTM 39.0° / 84.0° Efficiency 94 % Peak intensity 1.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p><b>CITIZEN</b></p> <p>LED CLL04x/CLU04x FWHM / FWTM 29.0° / 58.0° Efficiency 94 % Peak intensity 2.4 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p></p> <p>LED CXA/B 1816 &amp; CXA/B 1820 &amp; CXA 1850 FWHM / FWTM 18.0° / 38.0° Efficiency 94 % Peak intensity 6.5 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

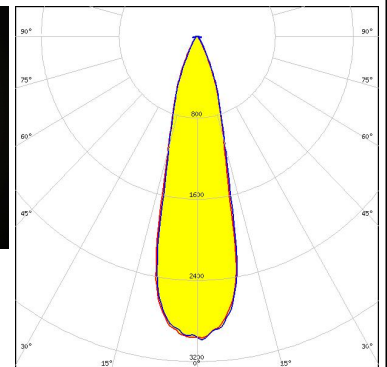
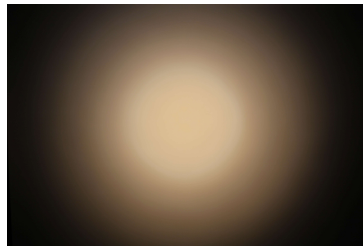
### PHOTOMETRIC DATA (MEASURED):



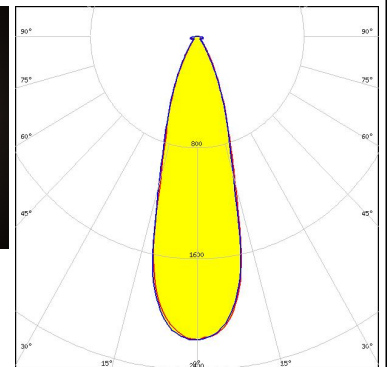
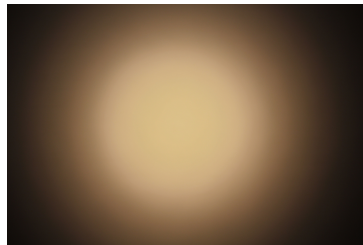
LED CXA/B 30xx  
 FWHM / FWTM 31.0° / 61.0°  
 Efficiency 94 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



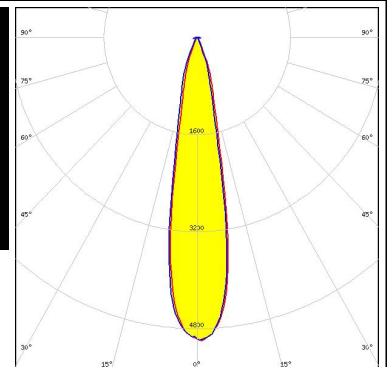
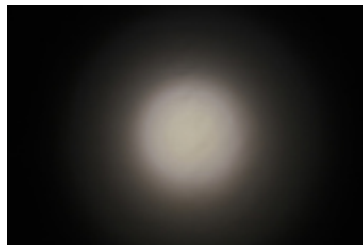
LED LUXEON CoB 1211  
 FWHM / FWTM 26.0° / 53.0°  
 Efficiency 94 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ L3



LED COB H-Type  
 FWHM / FWTM 30.0° / 61.0°  
 Efficiency 94 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



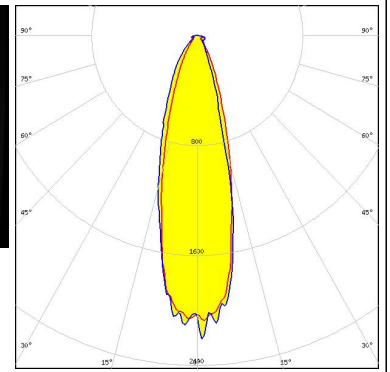
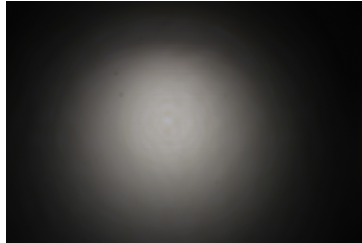
LED COB J-Type  
 FWHM / FWTM 20.0° / 42.0°  
 Efficiency 94 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

#### SAMSUNG

LED LC040D / LC060D / LC080D  
FWHM / FWTM 29.0° / 62.0°  
Efficiency 93 %  
Peak intensity 2.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

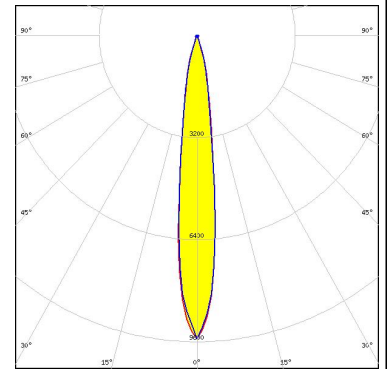




### PHOTOMETRIC DATA (SIMULATED):

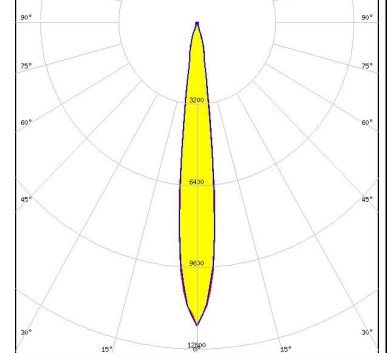
bridgelux.

LED V10 Gen7  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 96 %  
 Peak intensity 9.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 486 Typ L1



bridgelux.

LED VERO10  
 FWHM / FWTM 13.0° / 28.0°  
 Efficiency 94 %  
 Peak intensity 11.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

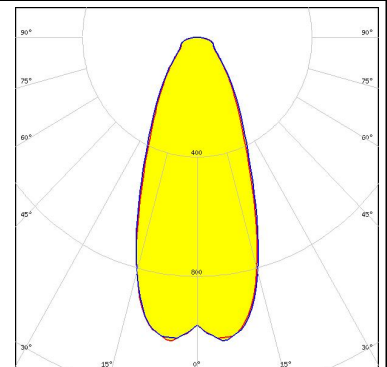


### CITIZEN

LED CLL03x/CLU03x  
 FWHM / FWTM 18.0° / 40.0°  
 Efficiency 95 %  
 Peak intensity 5.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

### CITIZEN

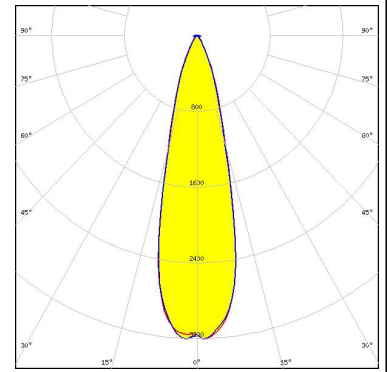
LED CLL05x/CLU05x  
 FWHM / FWTM 43.0° / 98.0°  
 Efficiency 94 %  
 Peak intensity 1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):

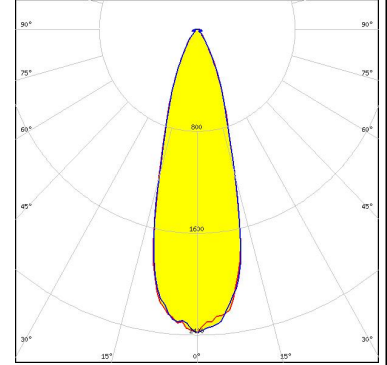
#### CREE

LED CMA2550  
 FWHM / FWTM 27.0° / 52.0°  
 Efficiency 94 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

LED CMA3090  
 FWHM / FWTM 30.0° / 60.0°  
 Efficiency 94 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

LED CMT19xx  
 FWHM / FWTM 20.0° / 42.0°  
 Efficiency 95 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### CREE

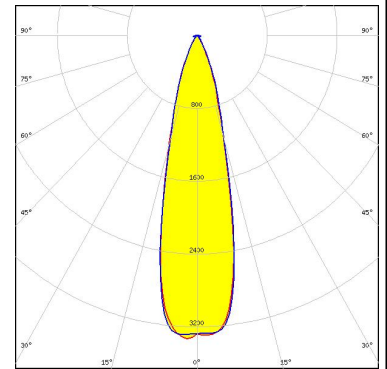
LED CMT28xx  
 FWHM / FWTM 30.0° / 58.0°  
 Efficiency 95 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



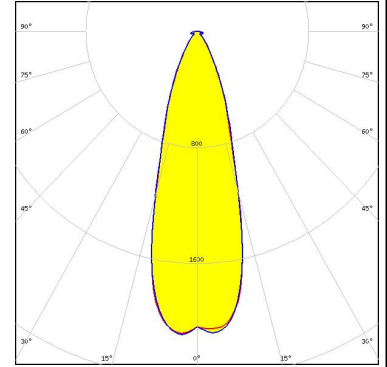
### PHOTOMETRIC DATA (SIMULATED):



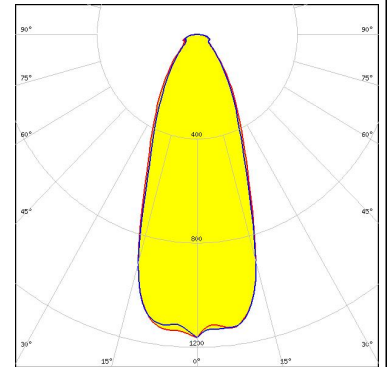
LED CXA/B 25xx  
 FWHM / FWTM 25.0° / 50.0°  
 Efficiency 94 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



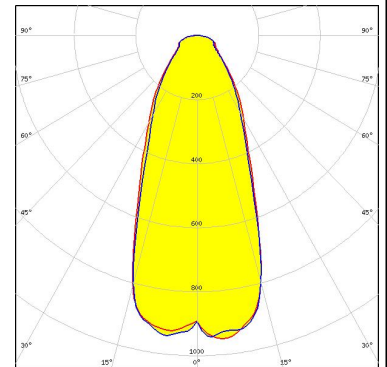
LED LUXEON CoB 1216/1812  
 FWHM / FWTM 31.0° / 63.0°  
 Efficiency 94 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



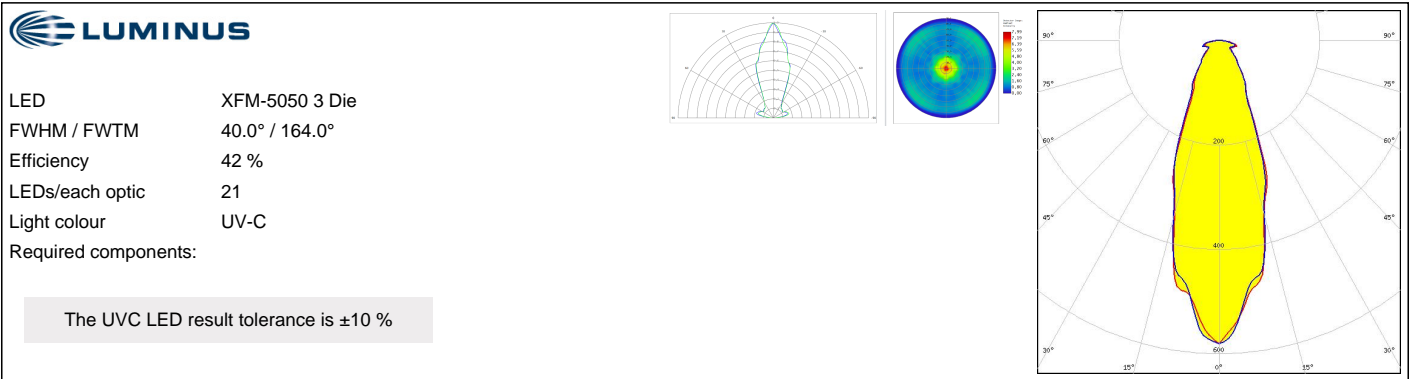
LED LUXEON CoB 1321  
 FWHM / FWTM 41.0° / 89.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CoB 1825  
 FWHM / FWTM 44.1° / 102.3°  
 Efficiency 94 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):



### 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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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