

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 ⓘ

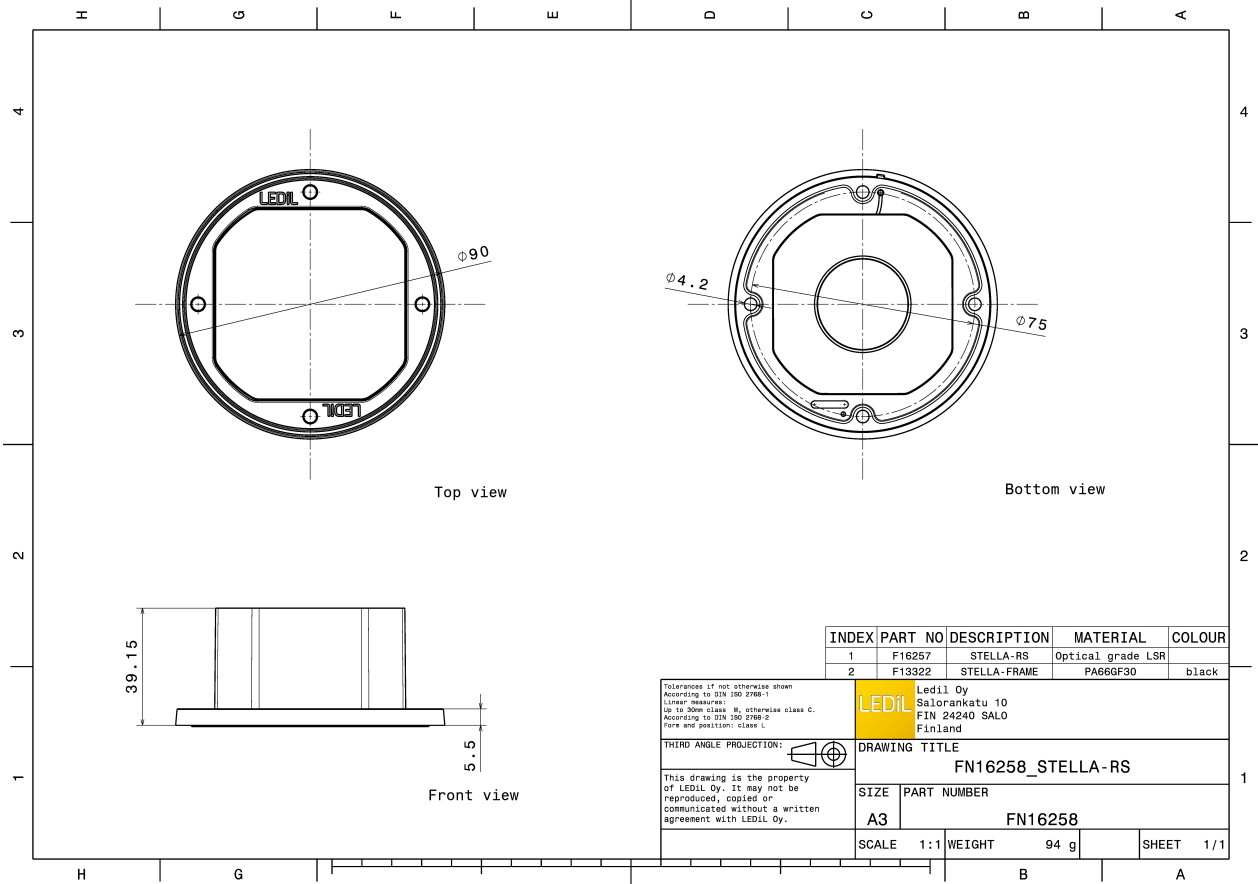
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:


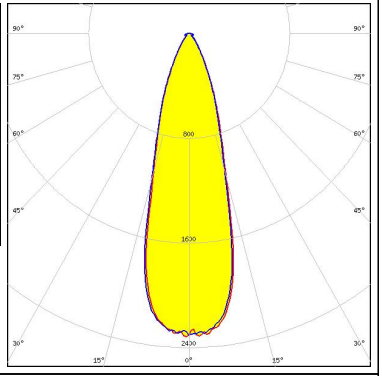

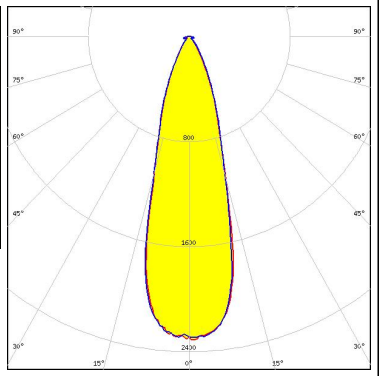

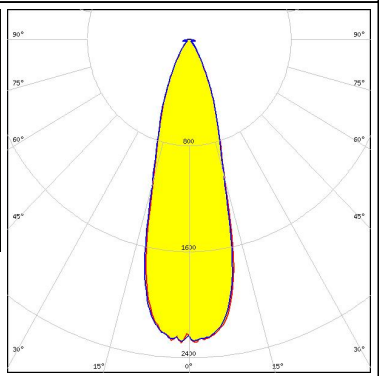

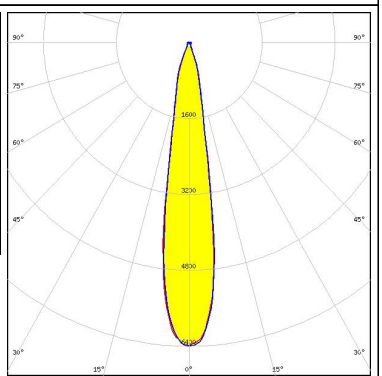
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FN16258_STELLA-RS	Single lens	90	90	15	9.8
» Box size: 480 x 280 x 300 mm					




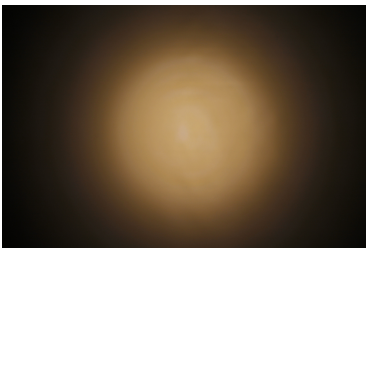
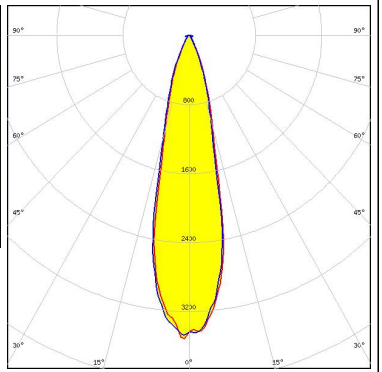


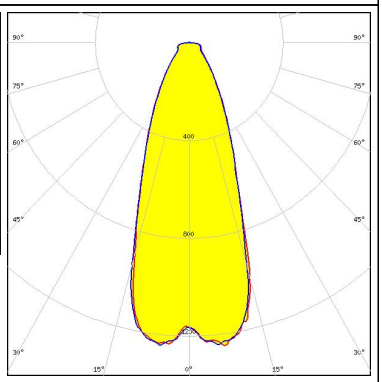
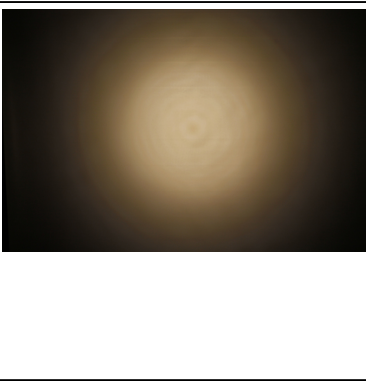
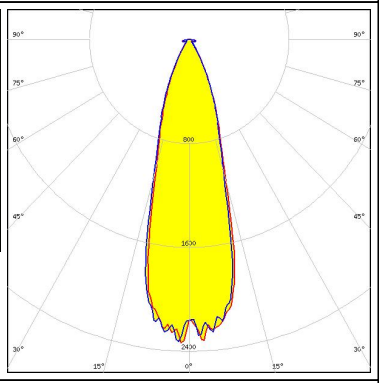




See also our general installation guide: www.ledil.com/installation_guide


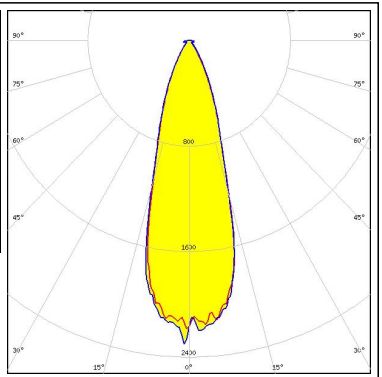

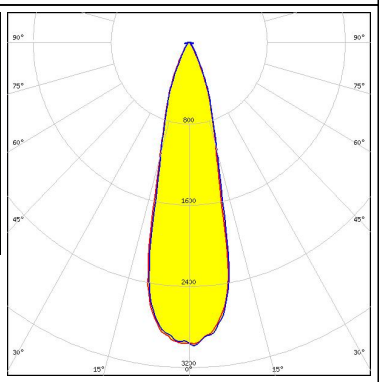

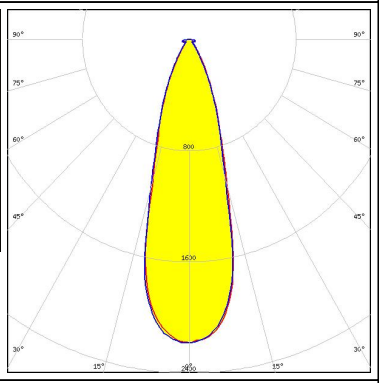

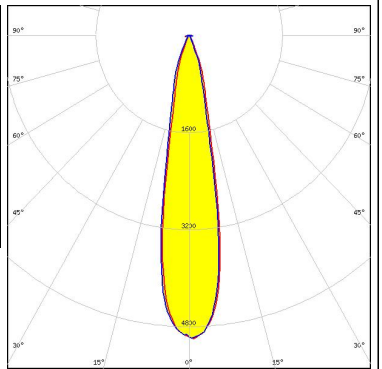
PHOTOMETRIC DATA (MEASURED):

<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/lm</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/lm</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/lm</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/lm</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>CITIZEN</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 & CXA/B 1820 & 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>		

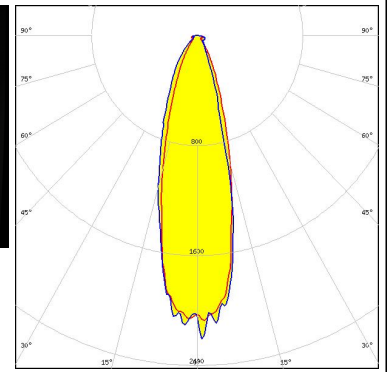
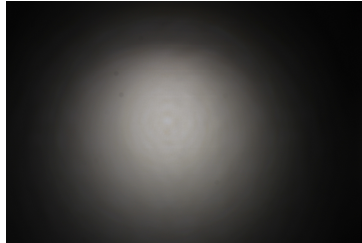
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>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:</p>		
<p>LUMILEDS</p> <p>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</p>		
<p>NICHIA</p> <p>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:</p>		
<p>NICHIA</p> <p>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:</p>		

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.

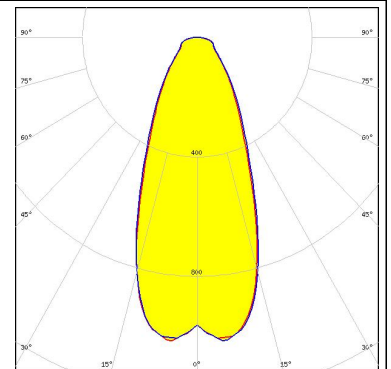
LED	VERO10
FWHM / FWTM	13.0° / 28.0°
Efficiency	94 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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

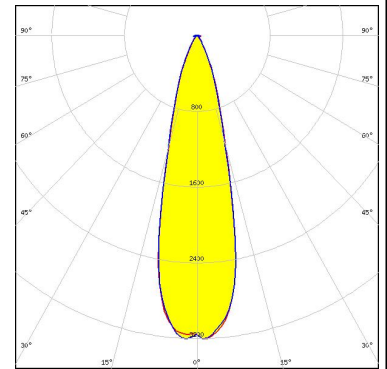
LED	CLL05x/CLU05x
FWHM / FWTM	43.0° / 98.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



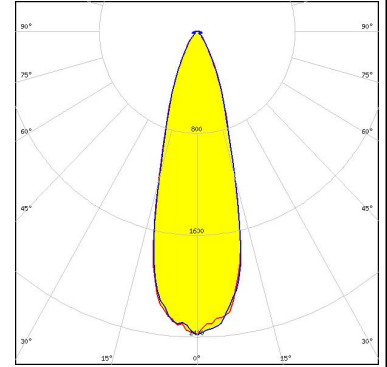
PHOTOMETRIC DATA (SIMULATED):



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:



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:



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


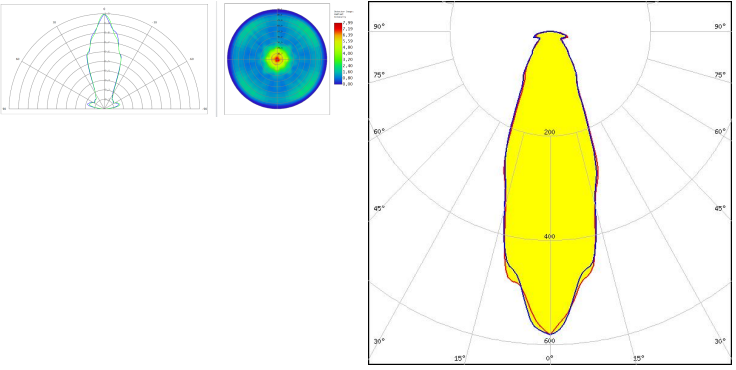


LED CMT28xx
 FWHM / FWTM 30.0° / 58.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>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:</p>	
<p>LUMILEDS</p> <p>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:</p>	
<p>LUMILEDS</p> <p>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:</p>	
<p>LUMILEDS</p> <p>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:</p>	

PHOTOMETRIC DATA (SIMULATED):

	
LED	XFM-5050 3 Die
FWHM / FWTM	40.0° / 164.0°
Efficiency	42 %
LEDs/each optic	21
Light colour	UV-C
Required components:	
<div style="border: 1px solid gray; padding: 2px; display: inline-block;">The UVC LED result tolerance is ± 10 %</div>	
	

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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