

STELLA-RS

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

SPECIFICATION:

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

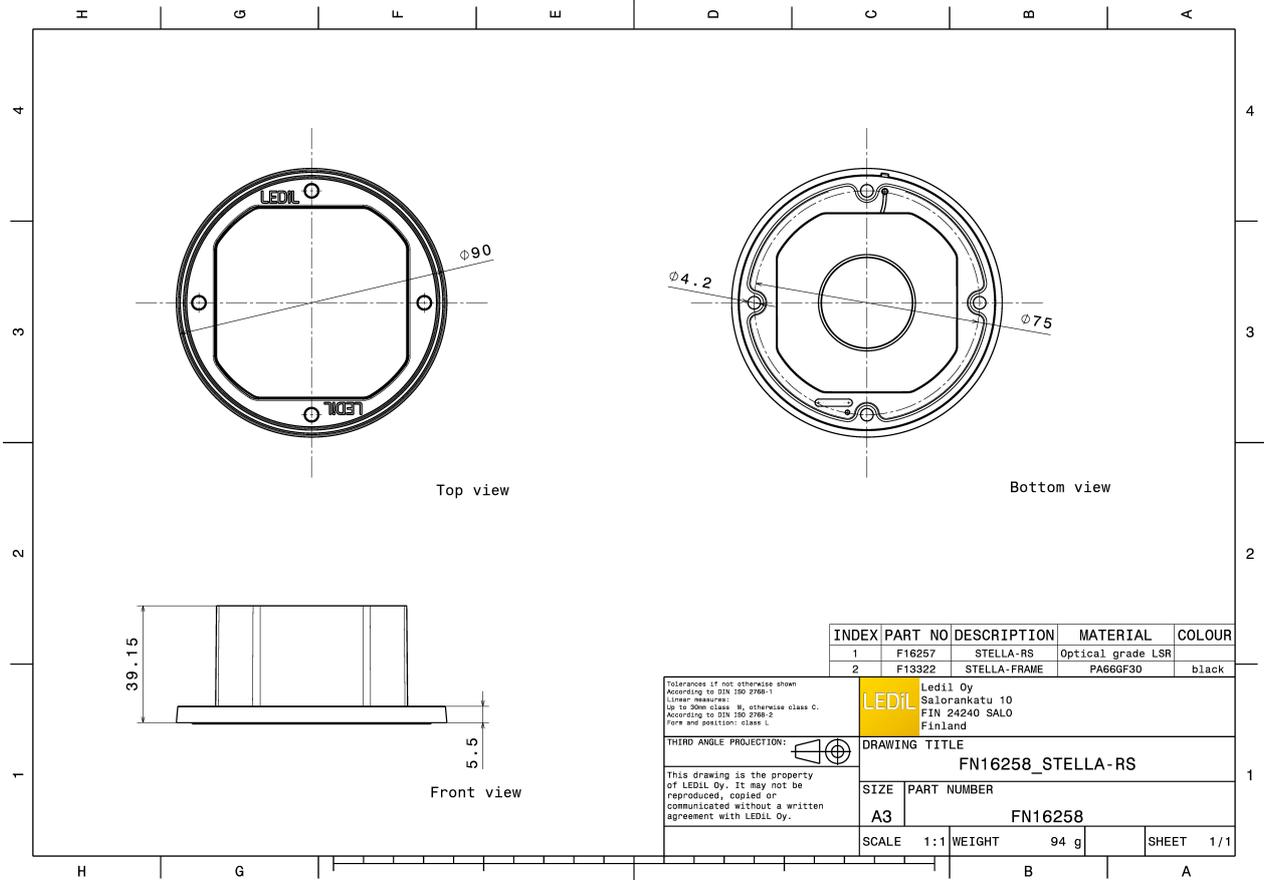
MATERIALS:

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

ORDERING INFORMATION:

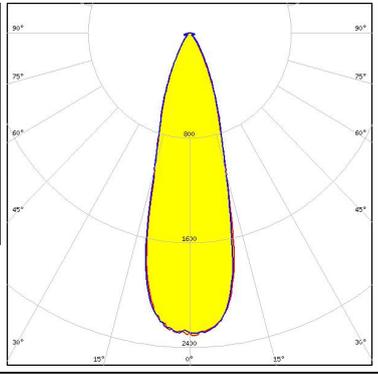
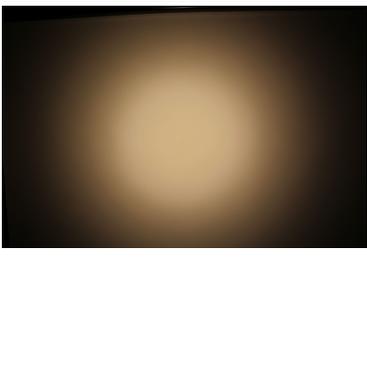
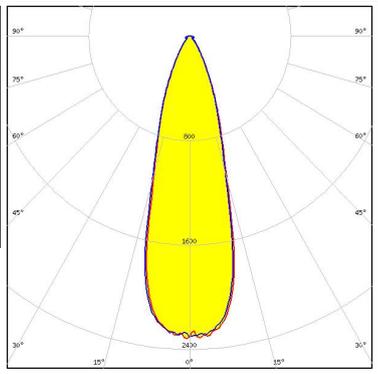
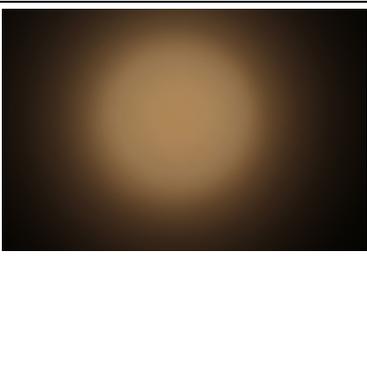
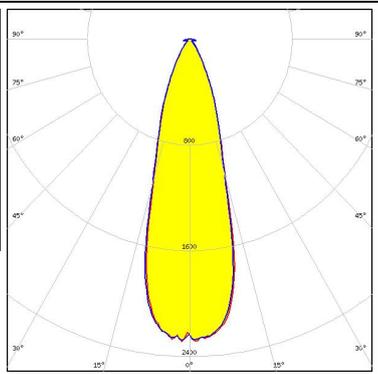
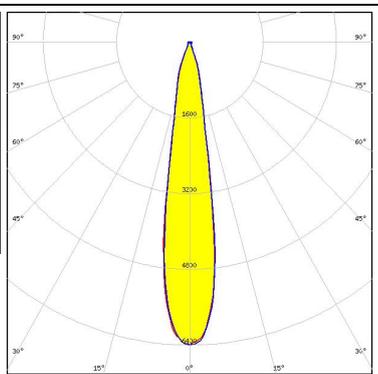
Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
FN16258_STELLA-RS » Box size: 480 x 280 x 300 mm	Single lens	90	90	15	9.8



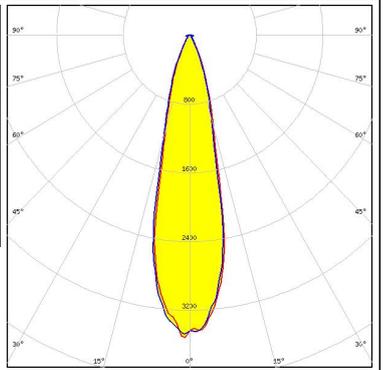
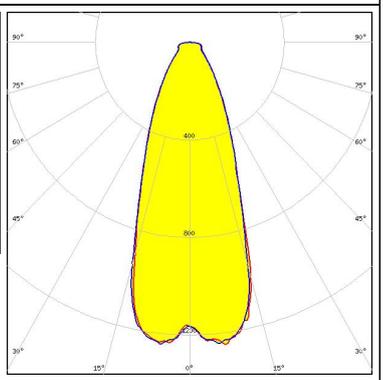
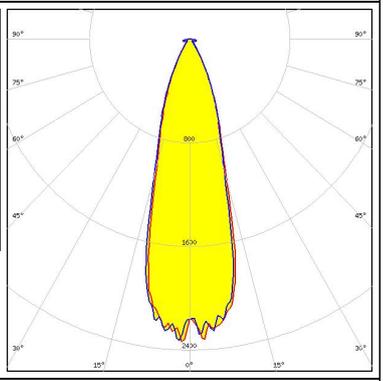
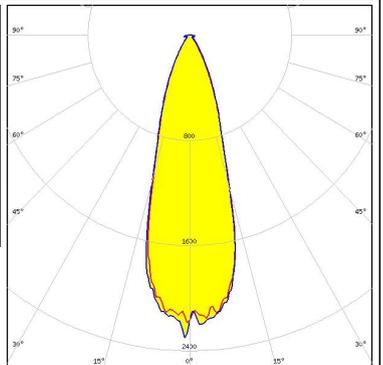


See also our general installation guide: www.ledil.com/installation_guide

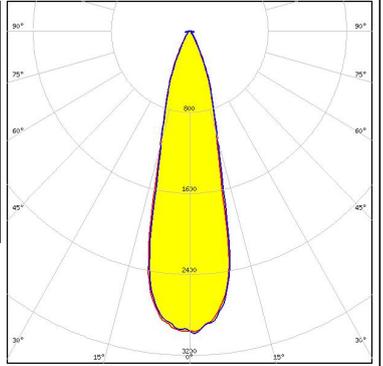
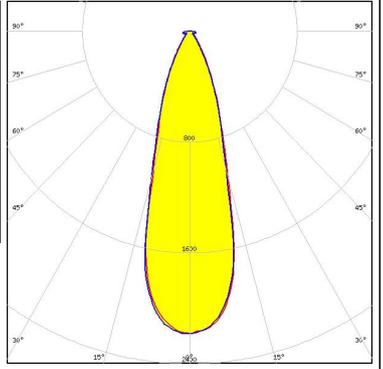
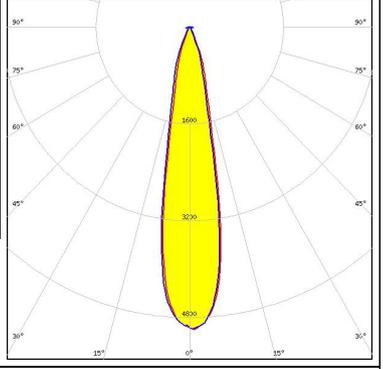
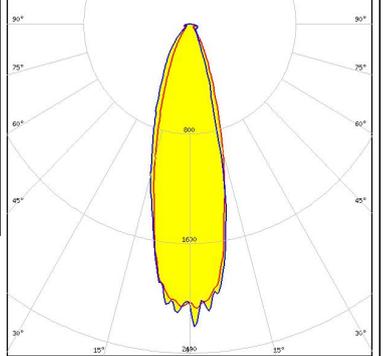
OPTICAL RESULTS (MEASURED):

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

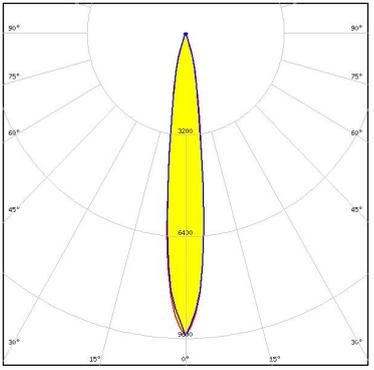
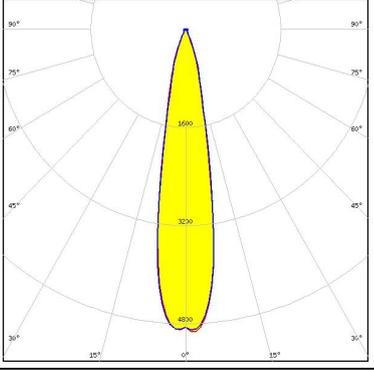
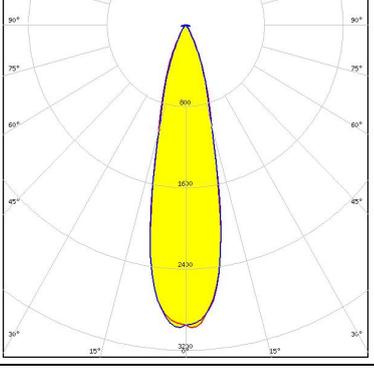
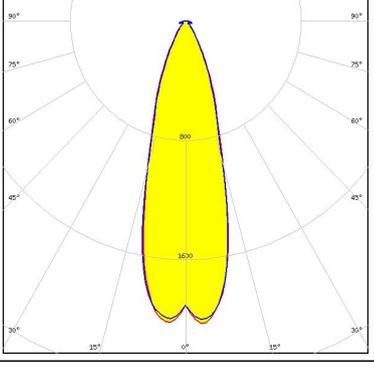
OPTICAL RESULTS (MEASURED):

<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 30xx FWHM / FWTM 31.0° / 61.0° Efficiency 94 % Peak intensity 2.3 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

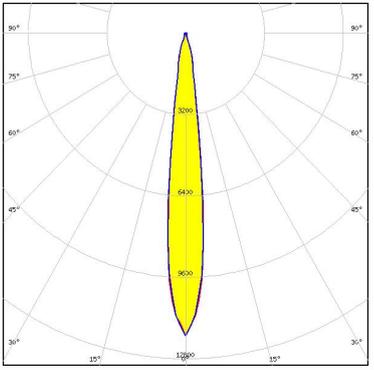
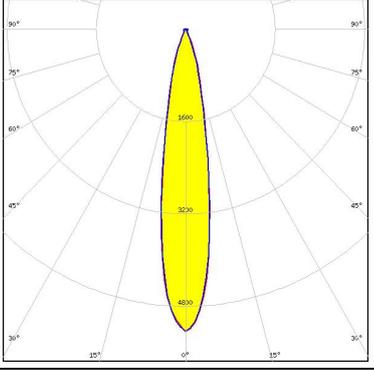
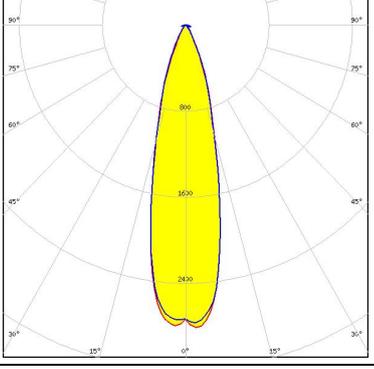
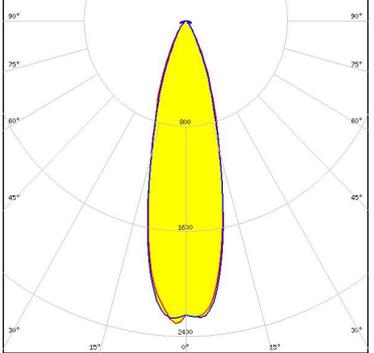
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1211</p> <p>FWHM / FWTM 26.0° / 53.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ L3</p>		
<p>NICHIA</p> <p>LED COB H-Type</p> <p>FWHM / FWTM 30.0° / 61.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED COB J-Type</p> <p>FWHM / FWTM 20.0° / 42.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SAMSUNG</p> <p>LED LC040D / LC060D / LC080D</p> <p>FWHM / FWTM 29.0° / 62.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

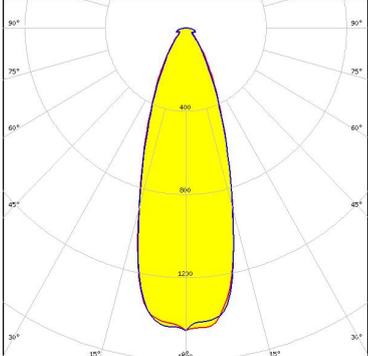
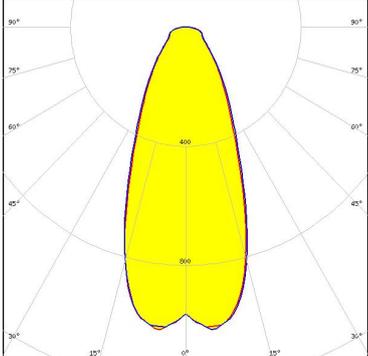
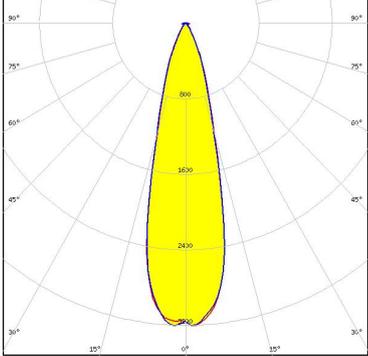
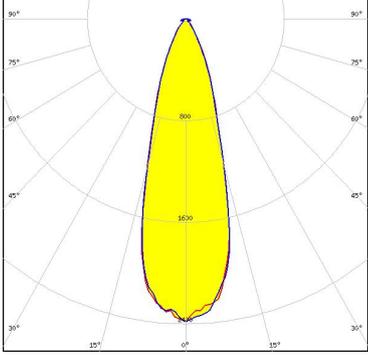
OPTICAL RESULTS (SIMULATED):

<p></p> <p>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</p>	
<p></p> <p>LED V13 Gen 8-9 FWHM / FWTM 20.0° / 41.0° Efficiency 86 % Peak intensity 4.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p></p> <p>LED V18 Gen 8-9 FWHM / FWTM 25.0° / 51.0° Efficiency 85 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 462 Typ L4</p>	
<p></p> <p>LED V22 Gen 8-9 FWHM / FWTM 30.0° / 61.0° Efficiency 85 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 431 Typ L4</p>	

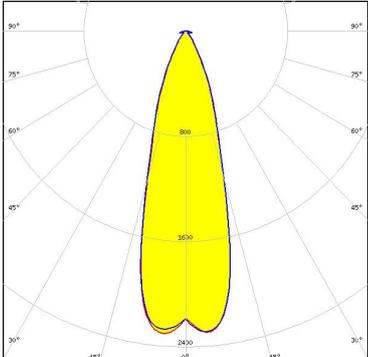
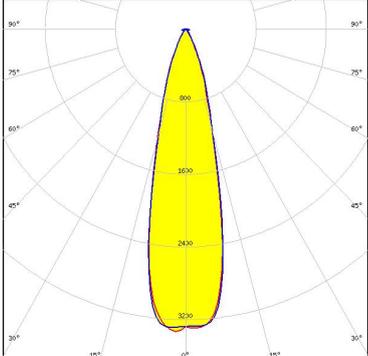
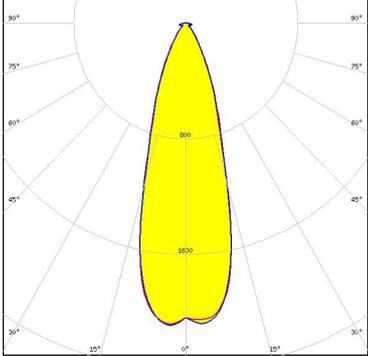
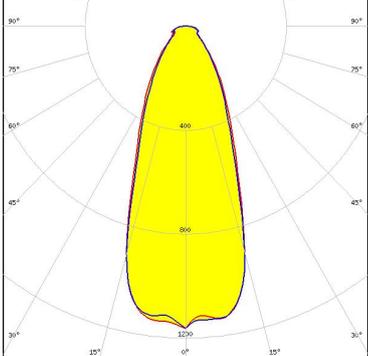
OPTICAL RESULTS (SIMULATED):

<p></p> <p>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:</p>	
<p></p> <p>LED Vesta TW 13mm (18W) DP FWHM / FWTM 18.0° / 40.0° Efficiency 86 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour Tunable White Required components:</p>	
<p></p> <p>LED Vesta TW 18mm (31W) DP FWHM / FWTM 26.0° / 52.0° Efficiency 86 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour Tunable White Required components:</p>	
<p></p> <p>LED Vesta TW 22mm DP FWHM / FWTM 28.0° / 57.0° Efficiency 86 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour Tunable White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>bridgelux.</p> <p>LED: Vesta TW 29mm DP FWHM / FWTM: 35.0° / 72.0° Efficiency: 86 % Peak intensity: 1.5 cd/lm LEDs/each optic: 1 Light colour: Tunable White Required components:</p>	
<p>CITIZEN</p> <p>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:</p>	
<p>CREE LEDs</p> <p>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:</p>	
<p>CREE LEDs</p> <p>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:</p>	

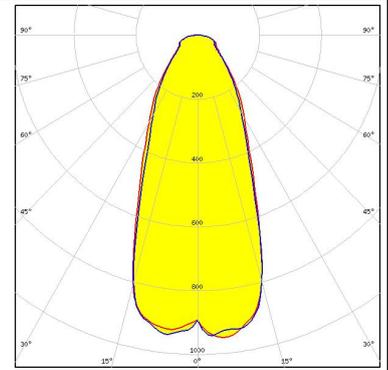
OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</p> <p>LED: CMU22xx FWHM / FWTM: 30.0° / 59.0° Efficiency: 95 % Peak intensity: 2.4 cd/lm LEDs/each optic: 1 Light colour: White Required components: Bender Wirth: 431 Typ L4</p>	
<p>CREE LEDs</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 1213/1216/1812 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>	

OPTICAL RESULTS (SIMULATED):

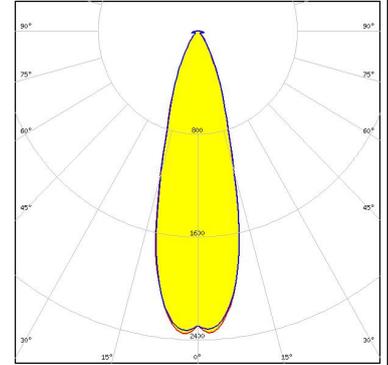
LUMILEDS

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:



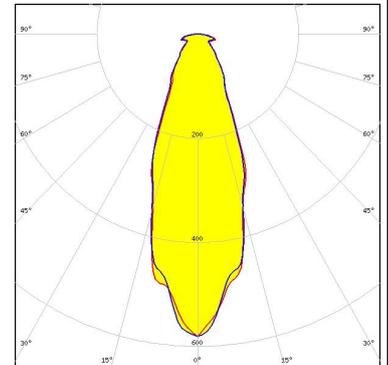
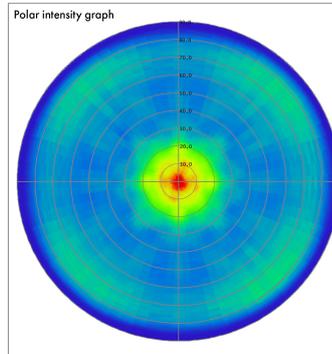
LUMINUS

LED CxM-22 (28x28)
 FWHM / FWTM 30.0° / 60.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ L4



LUMINUS

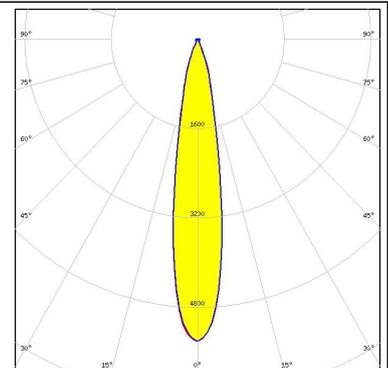
LED XFM-5050 3 Die
 FWHM / FWTM 40.0° / 164.0°
 Efficiency 42 %
 LEDs/each optic 21
 Light colour UV-C
 Required components:



The UVC LED result tolerance is ±10 %

PHILIPS

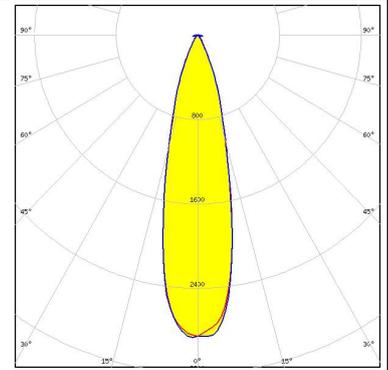
LED Fortimo SLM L13 CoB
 FWHM / FWTM 18.0° / 40.0°
 Efficiency 85 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

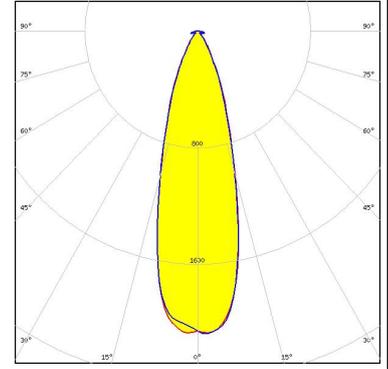
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM / FWTM 26.0° / 52.0°
 Efficiency 85 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



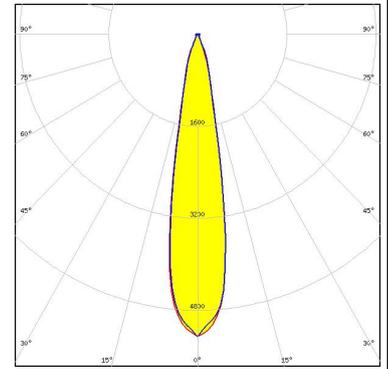
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM / FWTM 30.0° / 59.0°
 Efficiency 85 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



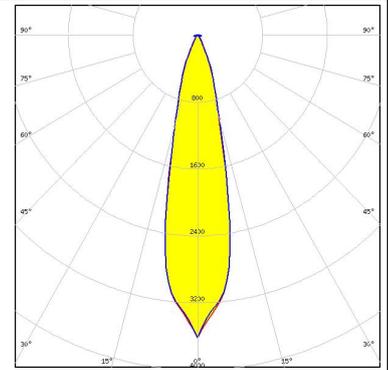
TRIDONIC

LED SLE 13mm 3000lm xxx R ADV8
 FWHM / FWTM 20.0° / 40.0°
 Efficiency 86 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



TRIDONIC

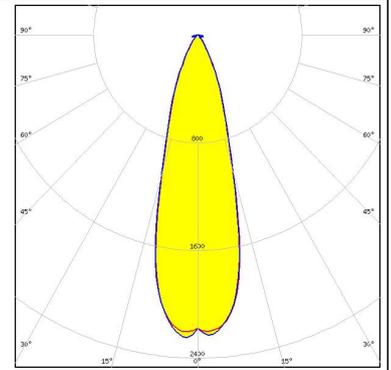
LED SLE 17mm 5000lm xxx R ADV8
 FWHM / FWTM 24.0° / 48.0°
 Efficiency 86 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 466 Typ L4



OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE 21mm 6000lm xxx R ADV8
FWHM / FWTM	30.0° / 58.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
Bender Wirth: 466 Typ L4	



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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