

## STELLA-HB

~75° high bay beam for warehouse and outdoor lighting. Compatible with up to 30 mm LES size COBs.

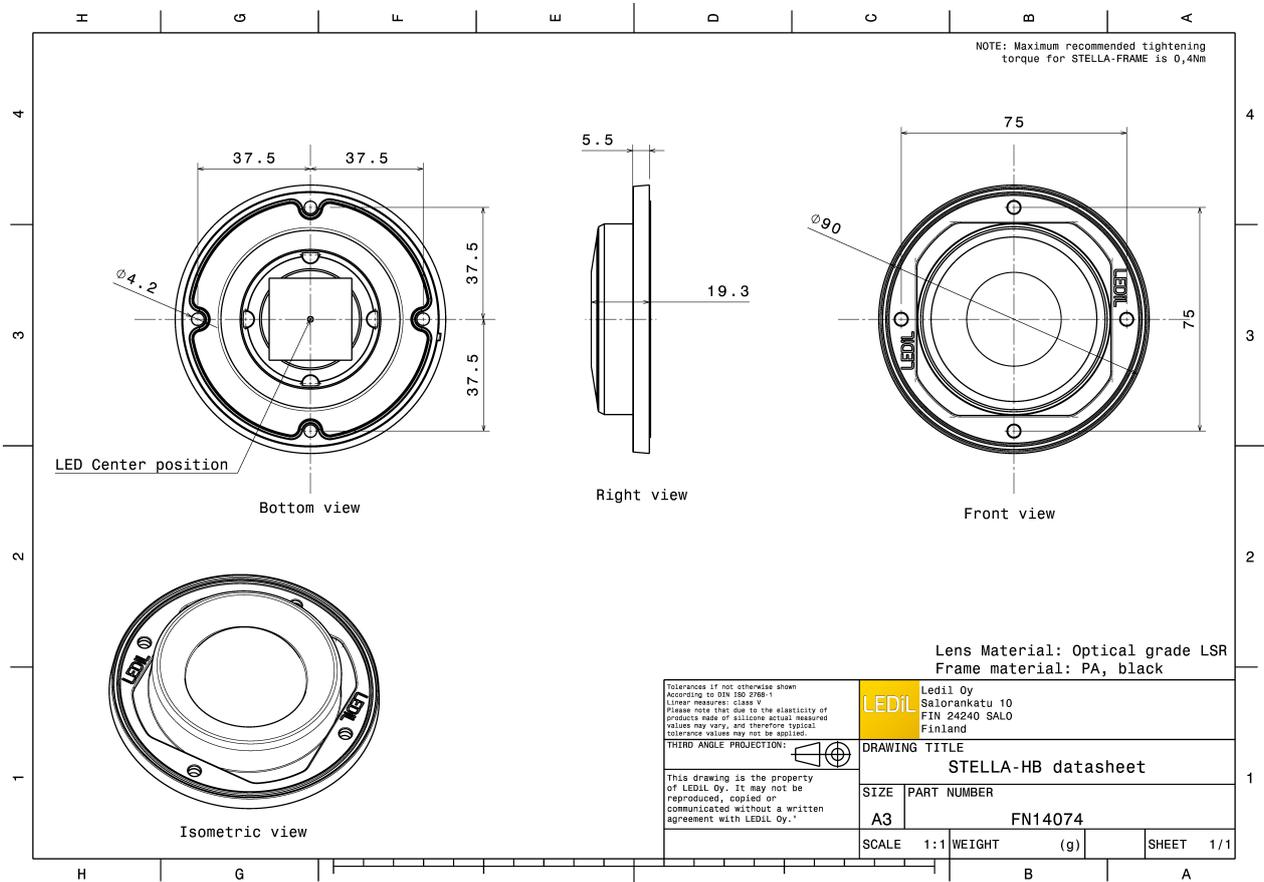
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	19.5 mm
Fastening	screw
Colour	black
Box size	480 x 280 x 300 mm
Box weight	7.9 kg
Quantity in Box	135 pcs
ROHS compliant	yes ⓘ

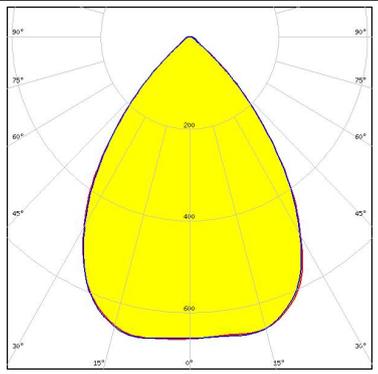
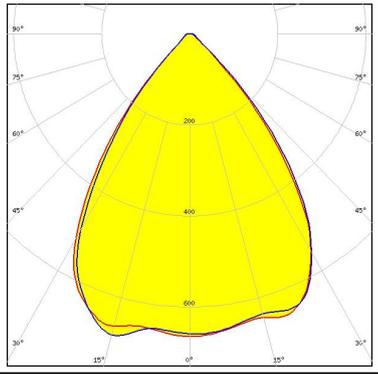
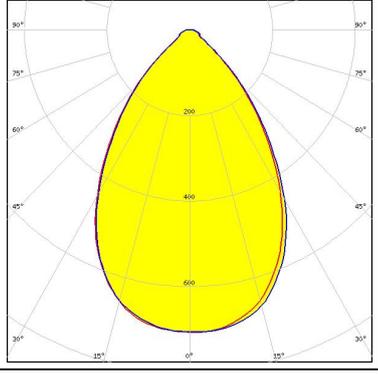
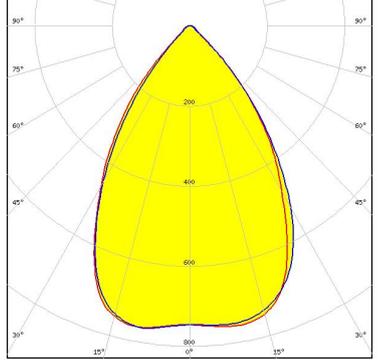


### MATERIAL SPECIFICATIONS:

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



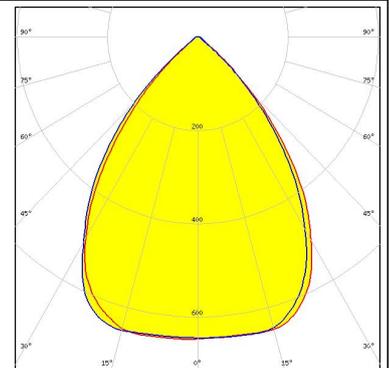
#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 75.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.660 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM 75.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.700 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED VERO29</p> <p>FWHM 69.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.708 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>CITIZEN</b></p> <p>LED CLL04x/CLU04x</p> <p>FWHM 68.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.770 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ L4</p>		

#### PHOTOMETRIC DATA (MEASURED):

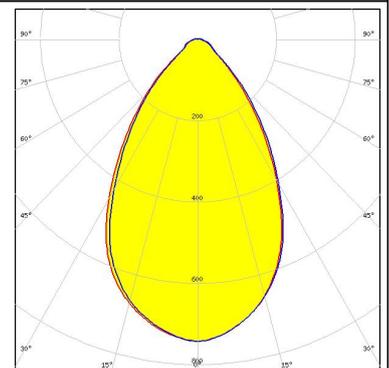
#### CITIZEN

LED CLL04x/CLU04x  
 FWHM 77.0°  
 Efficiency 94 %  
 Peak intensity 0.650 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



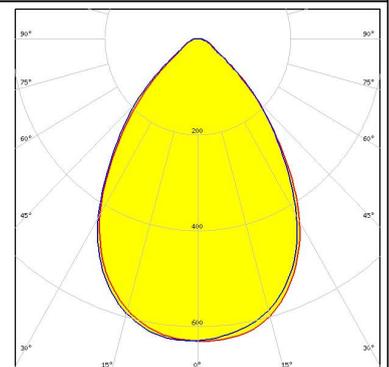
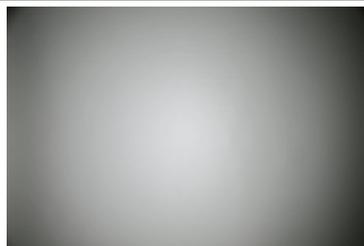
#### CITIZEN

LED CLL05x/CLU05x  
 FWHM 65.0°  
 Efficiency 94 %  
 Peak intensity 0.740 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 458 Typ L4



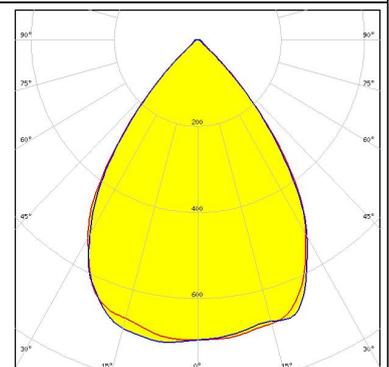
#### CITIZEN

LED CLL05x/CLU05x  
 FWHM 73.0°  
 Efficiency 93 %  
 Peak intensity 0.630 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### CREE

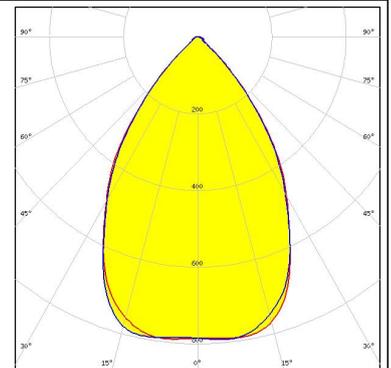
LED CMA2550  
 FWHM 74.0°  
 Efficiency 94 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



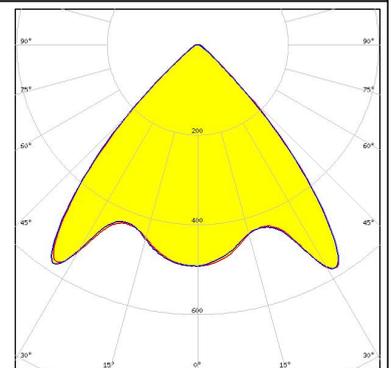
#### PHOTOMETRIC DATA (MEASURED):



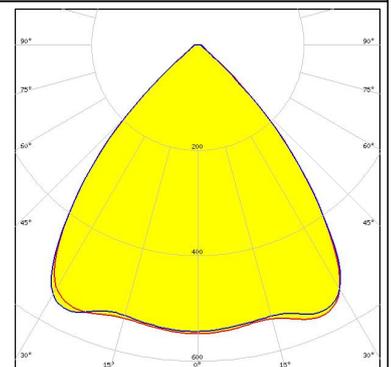
LED CMA3090  
 FWHM 67.0°  
 Efficiency 96 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



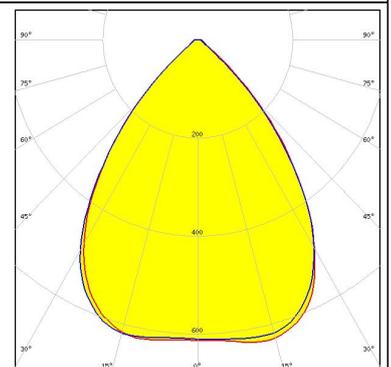
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM 87.0°  
 Efficiency 93 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED CXA/B 25xx  
 FWHM 83.0°  
 Efficiency 93 %  
 Peak intensity 0.566 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



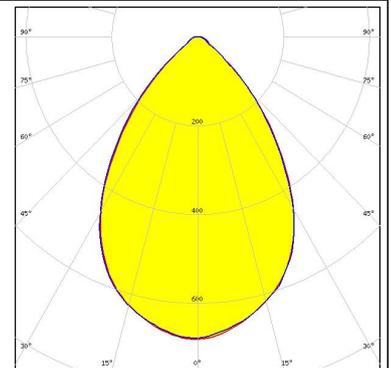
LED CXA/B 30xx  
 FWHM 78.0°  
 Efficiency 93 %  
 Peak intensity 0.630 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



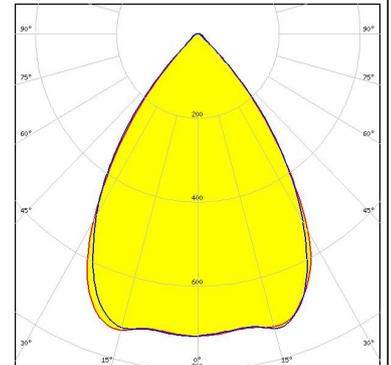
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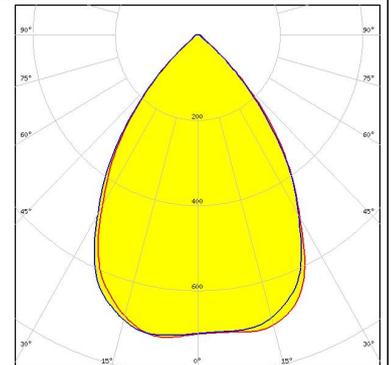
LED CXA/B 3590  
FWHM 72.0°  
Efficiency 93 %  
Peak intensity 0.682 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



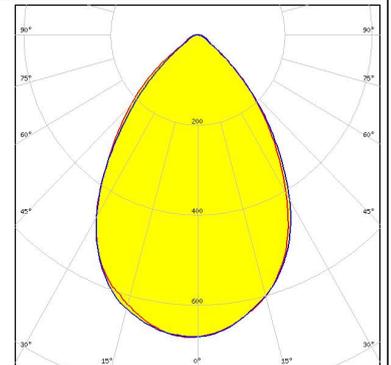
LED LUXEON CoB 1211  
FWHM 71.0°  
Efficiency 93 %  
Peak intensity 0.730 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON CoB 1216/1812  
FWHM 72.0°  
Efficiency 94 %  
Peak intensity 0.720 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



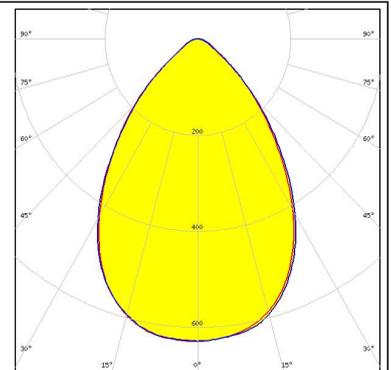
LED LUXEON CoB 1321  
FWHM 71.0°  
Efficiency 94 %  
Peak intensity 0.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



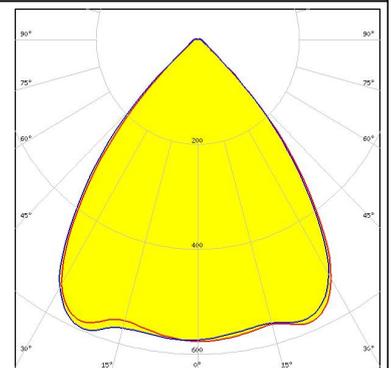
#### PHOTOMETRIC DATA (MEASURED):



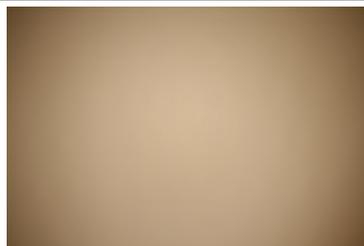
LED LUXEON CoB 1825  
 FWHM 72.0°  
 Efficiency 93 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



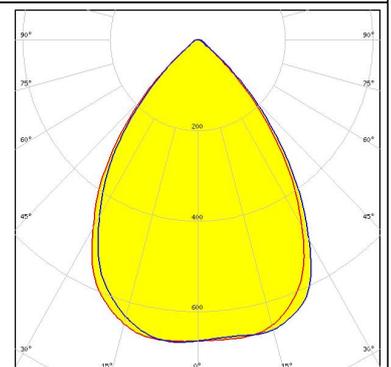
LED CXM-18  
 FWHM 80.0°  
 Efficiency 93 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED CXM-22  
 FWHM 73.0°  
 Efficiency 93 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



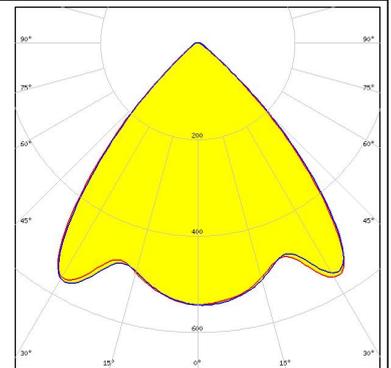
LED COB H-Type  
 FWHM 74.0°  
 Efficiency 94 %  
 Peak intensity 0.670 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



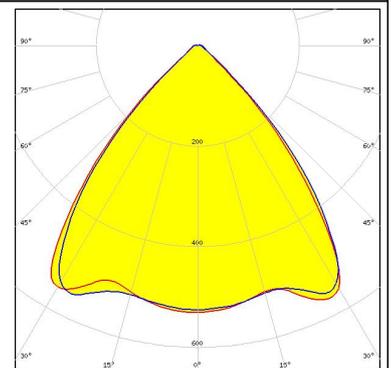
#### PHOTOMETRIC DATA (MEASURED):



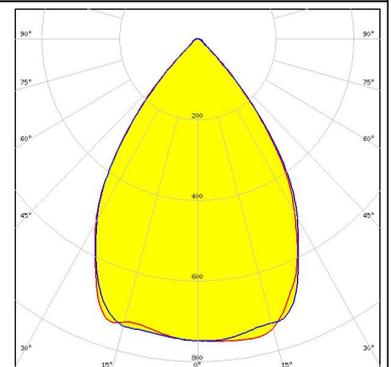
LED COB J-Type  
 FWHM 84.0°  
 Efficiency 94 %  
 Peak intensity 0.570 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



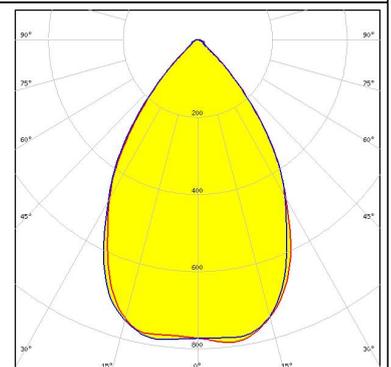
LED Soleriq S19  
 FWHM 84.0°  
 Efficiency 92 %  
 Peak intensity 0.570 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Fortimo SLM L19 CoB  
 FWHM 71.0°  
 Efficiency 94 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ Z1



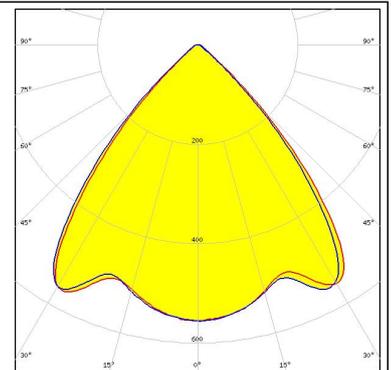
LED Fortimo SLM L23 CoB  
 FWHM 67.0°  
 Efficiency 94 %  
 Peak intensity 0.800 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ Z1



#### PHOTOMETRIC DATA (MEASURED):

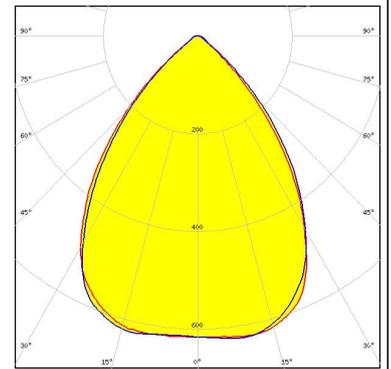
### SAMSUNG

LED COB D Series LES 14.5 mm  
 FWHM 83.0°  
 Efficiency 93 %  
 Peak intensity 0.570 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



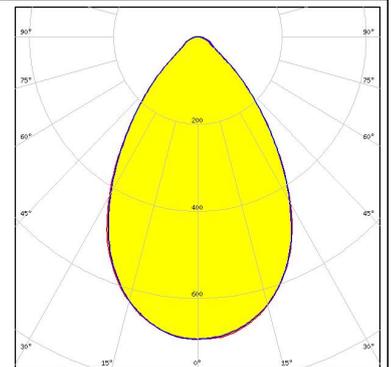
### SAMSUNG

LED COB D Series LES 22 mm  
 FWHM 77.0°  
 Efficiency 93 %  
 Peak intensity 0.630 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

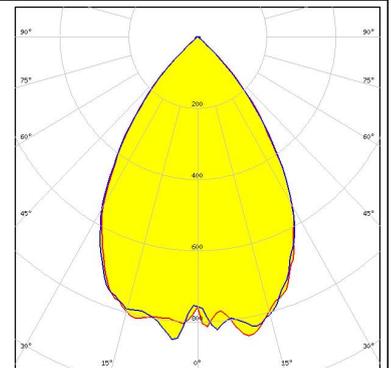
LED MJT COB LES 33  
 FWHM 68.0°  
 Efficiency 93 %  
 Peak intensity 0.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 458 Typ L4



#### PHOTOMETRIC DATA (SIMULATED):

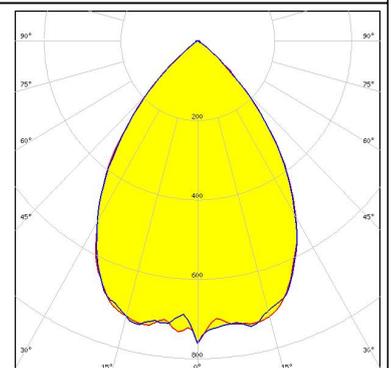
bridgelux

LED V22 Gen7  
FWHM 68.0°  
Efficiency 94 %  
Peak intensity 0.853 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ L4



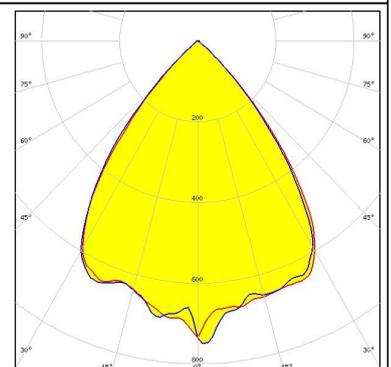
CREE

LED CMA3090  
FWHM 73.0°  
Efficiency 94 %  
Peak intensity 0.760 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



TRIDONIC

LED SLE G6 LES19  
FWHM 76.0°  
Efficiency 94 %  
Peak intensity 0.760 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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#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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