

## STELLA-DWC2

Universal road lighting (IESNA Type II Medium) beam with excellent mixed illuminance and luminance uniformity. Compatible with up to 23 mm LES size COBs.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	19.3 mm
Fastening	screw
Colour	black
Box size	480 x 280 x 300 mm
Box weight	7.1 kg
Quantity in Box	135 pcs
ROHS compliant	yes ⓘ

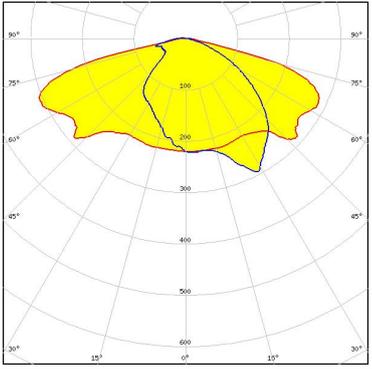
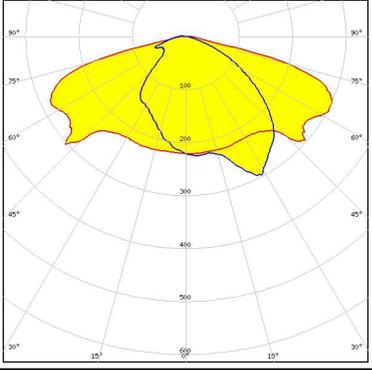
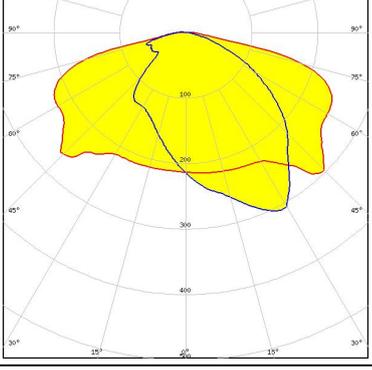
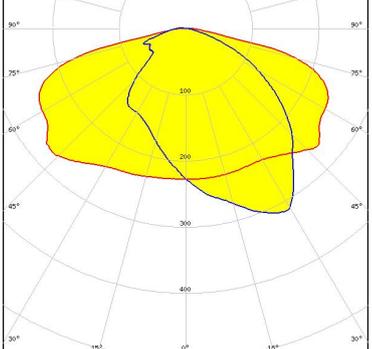


### MATERIAL SPECIFICATIONS:

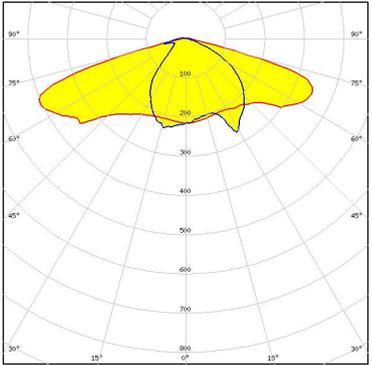
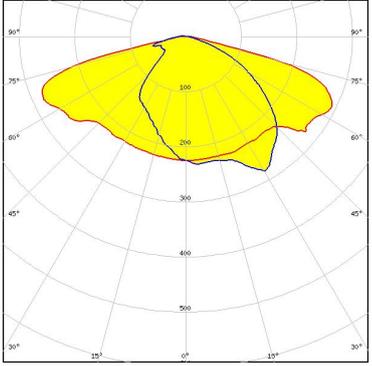
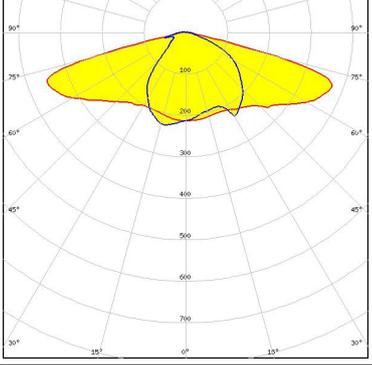
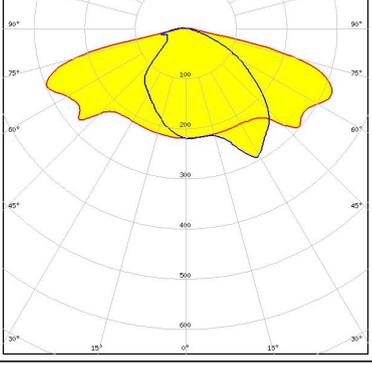
Component	Type	Material	Colour
STELLA-DWC2	Single lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black



#### PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V18 Gen7            FWHM Asymmetric            Efficiency 89 %            Peak intensity 0.410 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p>bridgelux.</p> <p>LED V18 Gen7            FWHM Asymmetric            Efficiency 90 %            Peak intensity 0.400 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 439 Typ L3</p>	
<p>bridgelux.</p> <p>LED V22 Gen7            FWHM Asymmetric            Efficiency 88 %            Peak intensity 0.360 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p>bridgelux.</p> <p>LED V22 Gen7            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.330 cd/lm            LEDs/each optic 1            Light colour White            Required components:            TE: 2213480-1</p>	

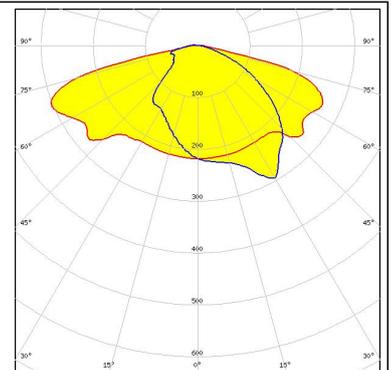
#### PHOTOMETRIC DATA (MEASURED):

	<p>LED Vero SE 13            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.630 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED Vero SE 18            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.450 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED VERO13            FWHM Asymmetric            Efficiency 89 %            Peak intensity 0.610 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED VERO18            FWHM Asymmetric            Efficiency 90 %            Peak intensity 0.430 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

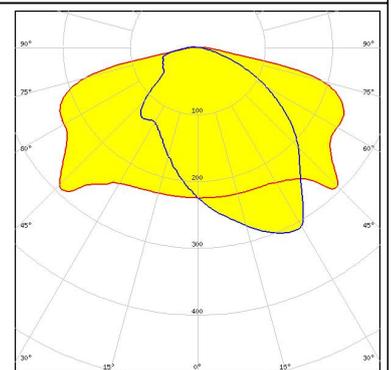
#### PHOTOMETRIC DATA (MEASURED):



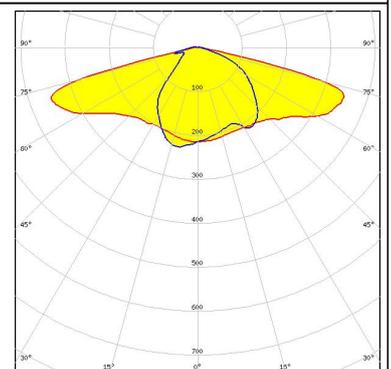
LED CMA2550  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



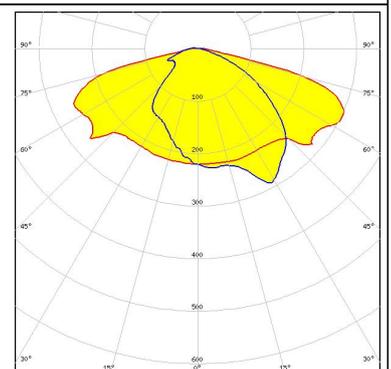
LED CMA3090  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



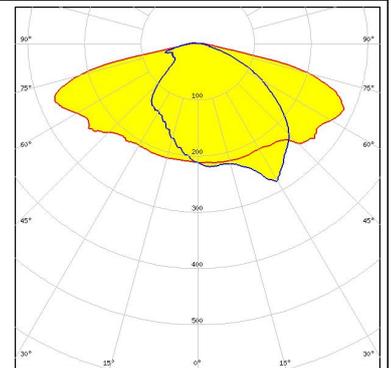
LED CXA/B 25xx  
 FWHM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 439 Typ L3



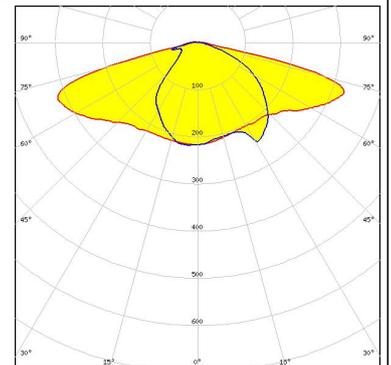
#### PHOTOMETRIC DATA (MEASURED):



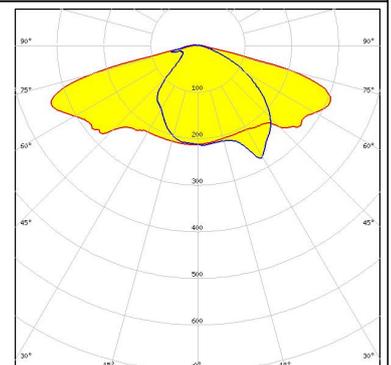
LED CXA/B 25xx  
 FWHM Asymmetric  
 Efficiency 88 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



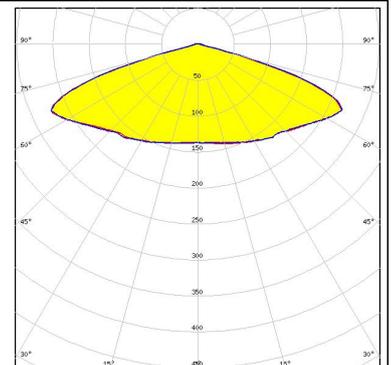
LED COB J-Type  
 FWHM Asymmetric  
 Efficiency 89 %  
 Peak intensity 0.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Soleriq S19  
 FWHM Asymmetric  
 Efficiency 90 %  
 Peak intensity 0.510 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



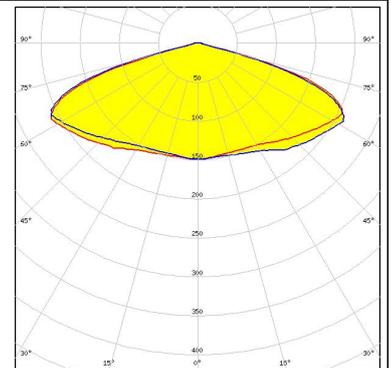
LED Fortimo SLM L19 CoB  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.400 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ Z1



#### PHOTOMETRIC DATA (MEASURED):

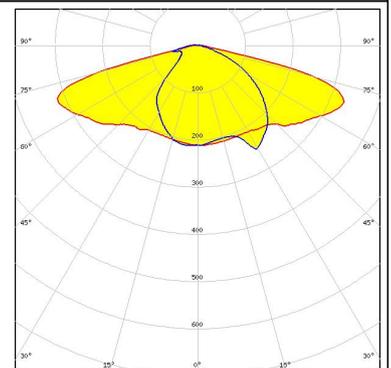
### PHILIPS

LED Fortimo SLM L23 CoB  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



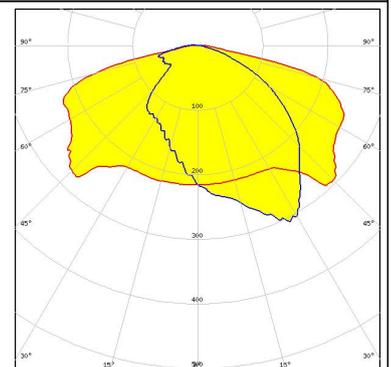
### SAMSUNG

LED COB D Series LES 14.5 mm  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.520 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



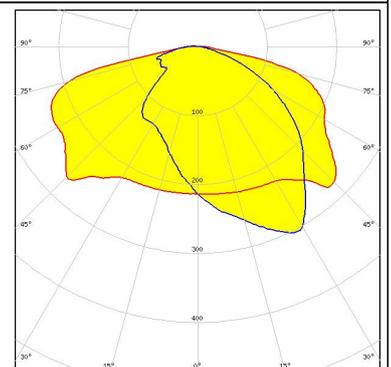
### SAMSUNG

LED COB D Series LES 22 mm  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

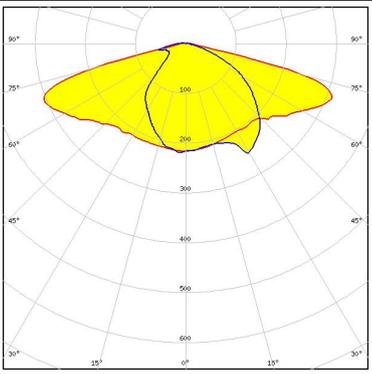
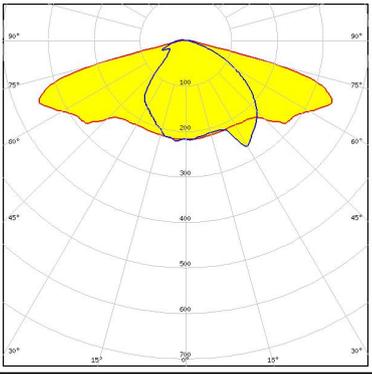
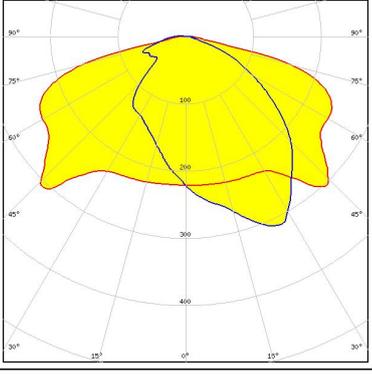


### SAMSUNG

LED COB D Series LES 22 mm  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.340 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



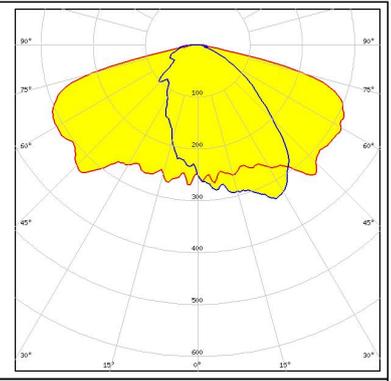
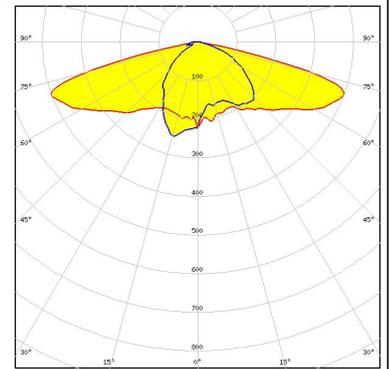
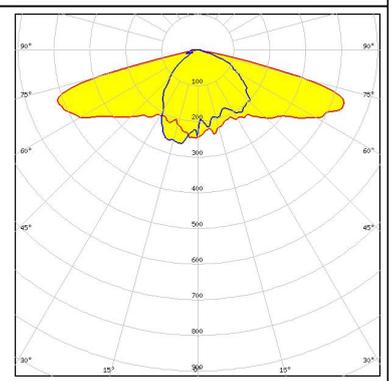
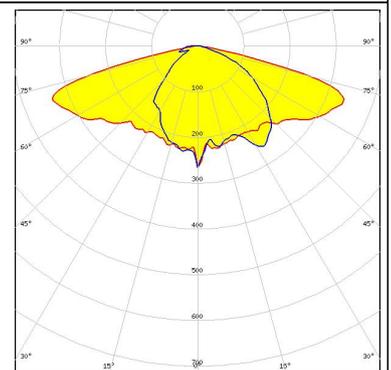
**PHOTOMETRIC DATA (MEASURED):**

<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5            FWHM Asymmetric            Efficiency 88 %            Peak intensity 0.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5            FWHM Asymmetric            Efficiency 90 %            Peak intensity 0.500 cd/lm            LEDs/each optic 1            Light colour White            Required components:                Bender Wirth: 433 Typ Z1</p>	
<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 22            FWHM Asymmetric            Efficiency 90 %            Peak intensity 0.370 cd/lm            LEDs/each optic 1            Light colour White            Required components:                Bender Wirth: 431 Typ Z1</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V10 Gen7            FWHM Asymmetric            Efficiency 89 %            Peak intensity 0.530 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 486 Typ L1</p>	
<p>bridgelux.</p> <p>LED V13 Gen7            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.000 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p>bridgelux.</p> <p>LED V13 Gen7            FWHM Asymmetric            Efficiency 93 %            Peak intensity 40.494 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 477 Typ Z1</p>	
<p>bridgelux.</p> <p>LED V22 Gen7            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.397 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 431 Typ Z1</p>	

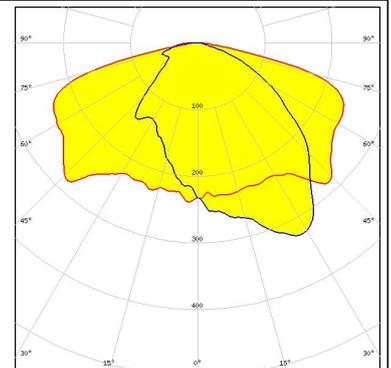
**PHOTOMETRIC DATA (SIMULATED):**

<p>bridgelux</p> <p>LED V22 Gen7            FWHM Asymmetric            Efficiency 94 %            Peak intensity 0.397 cd/lm            LEDs/each optic 1            Light colour White            Required components:            Bender Wirth: 431 Typ Z1</p>	
<p>bridgelux</p> <p>LED VERO10            FWHM Asymmetric            Efficiency 89 %            Peak intensity 0.560 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CITIZEN</b></p> <p>LED CLL02x/CLU02x (LES10)            FWHM Asymmetric            Efficiency 92 %            Peak intensity 0.600 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CITIZEN</b></p> <p>LED CLL03x/CLU03x            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.520 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

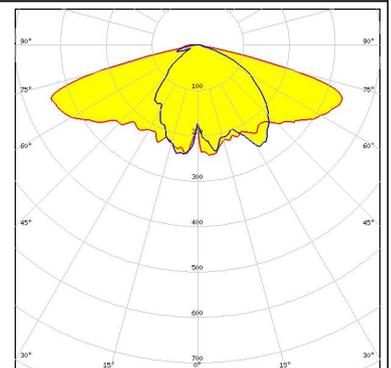
### CITIZEN

LED CLL04x/CLU04x  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.370 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



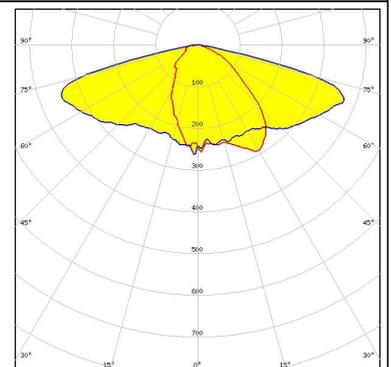
### CREE

LED CXA/B 1830  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.540 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



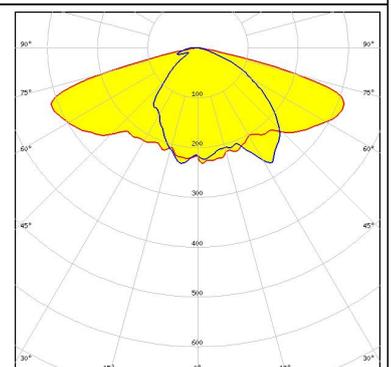
### CREE

LED CXA/B 25xx  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity 0.440 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMILEDS

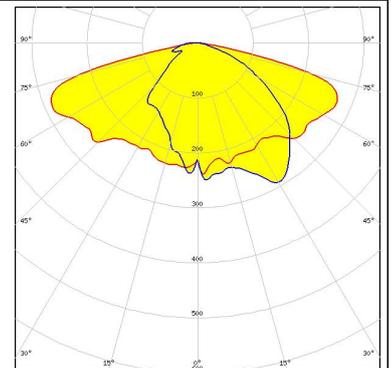
LED LUXEON CoB 1208  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.460 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



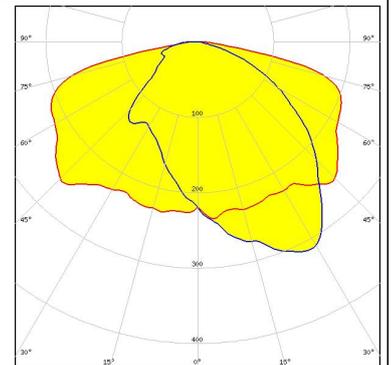
#### PHOTOMETRIC DATA (SIMULATED):



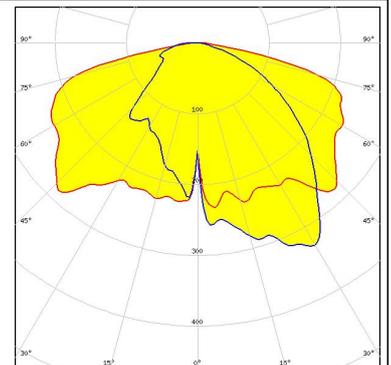
LED LUXEON CoB 1211  
FWHM Asymmetric  
Efficiency 89 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



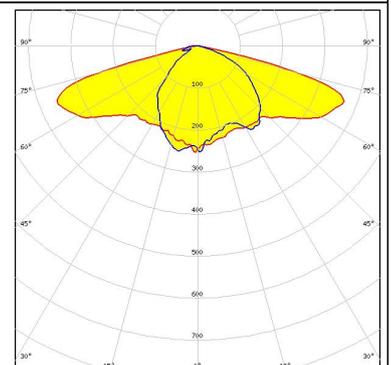
LED LUXEON CoB 1216/1812  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.330 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



LED CxM-22 (28x28)  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.360 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



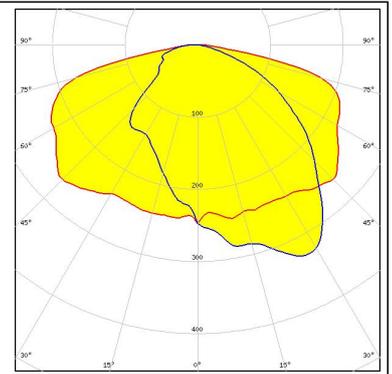
LED Soleriq S13  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.550 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 477 Typ Z1



## PHOTOMETRIC DATA (SIMULATED):

### PHILIPS

LED Fortimo SLM L23 + SLM holder (PI)  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.330 cd/lm  
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.

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

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#### Local sales and technical support

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#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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