

## STELLA-VSM

IESNA Type V (square) for wide areas lighting such as car parks. Compatible with up to 30 mm LES size COBs.

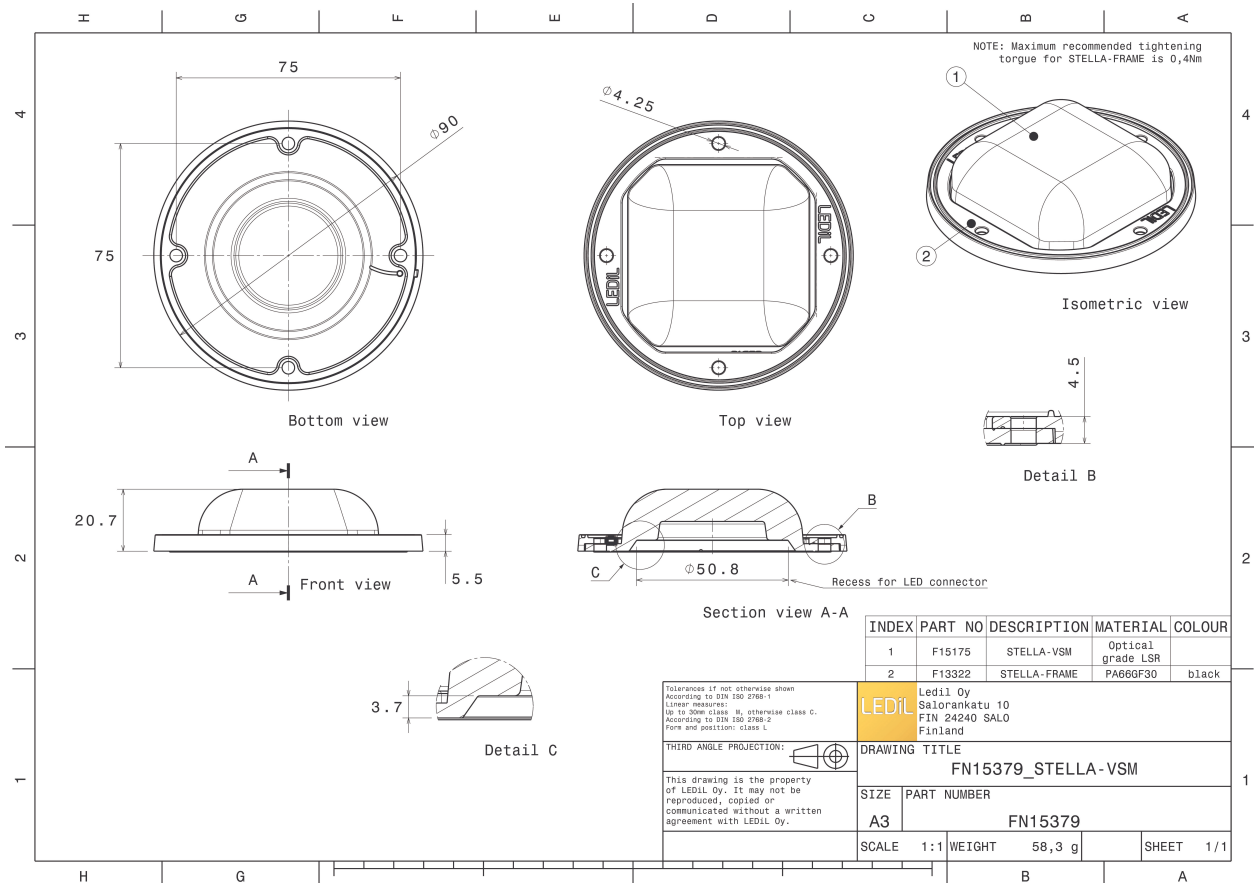
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	20.7 mm
Fastening	screw
Colour	black
Box size	480 x 280 x 300 mm
Box weight	9.2 kg
Quantity in Box	135 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

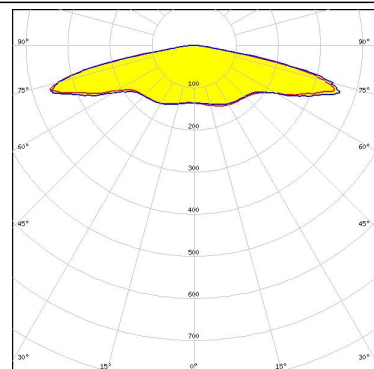
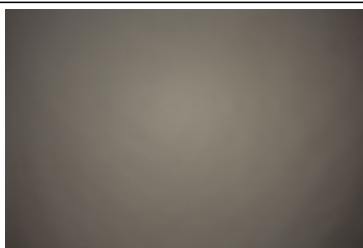
Component	Type	Material	Colour
STELLA-VSM	Single lens	Silicone	clear
STELLA-FRAME	Holder	PA66	



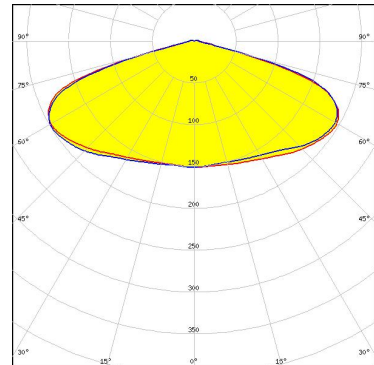
#### PHOTOMETRIC DATA (MEASURED):



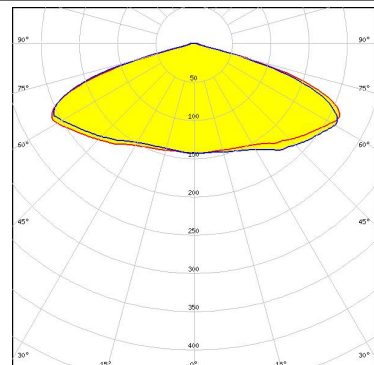
LED V18 Gen7  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.360 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 439 Typ L3



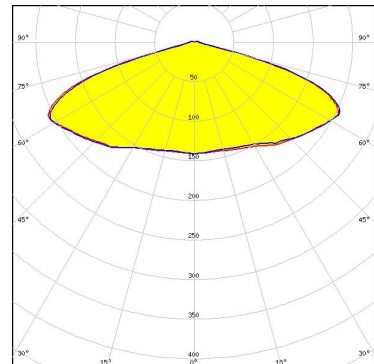
LED V22 Gen7  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
TE: 2213480-1



LED V22 Gen7  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.310 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



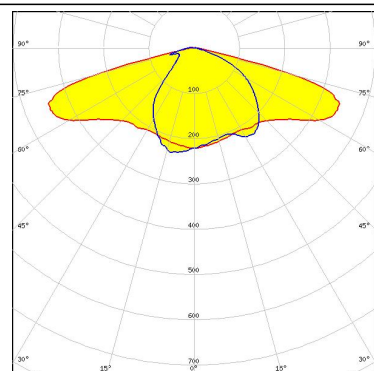
LED V22 Gen7  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



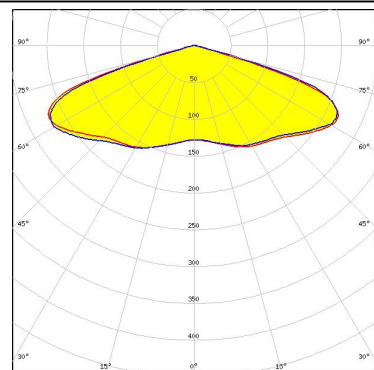
#### PHOTOMETRIC DATA (MEASURED):



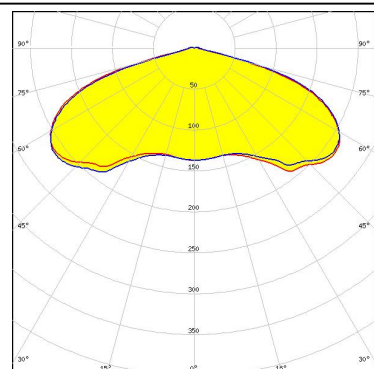
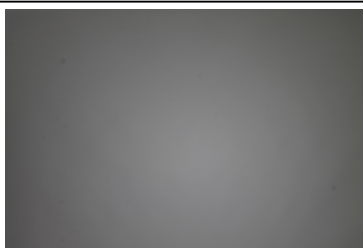
LED Vero SE 13  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity 0.620 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



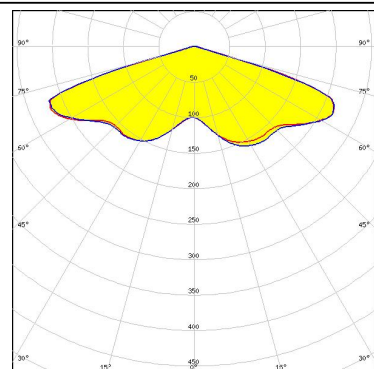
LED Vero SE 18  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.370 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Vero SE 29  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.260 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED VERO13  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

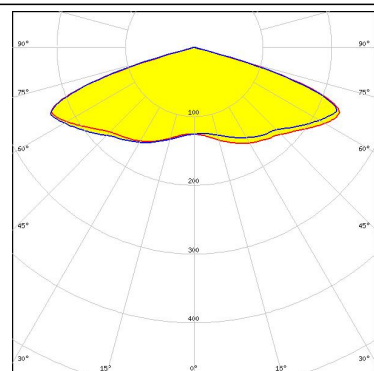




### PHOTOMETRIC DATA (MEASURED):

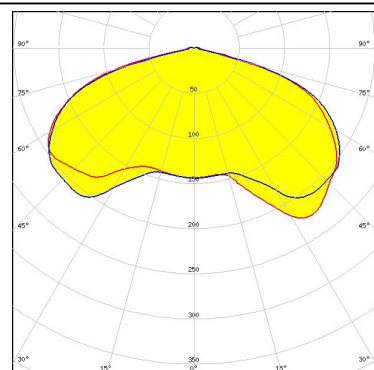


LED VERO18  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

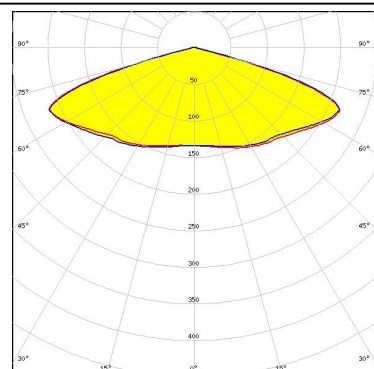


### CITIZEN

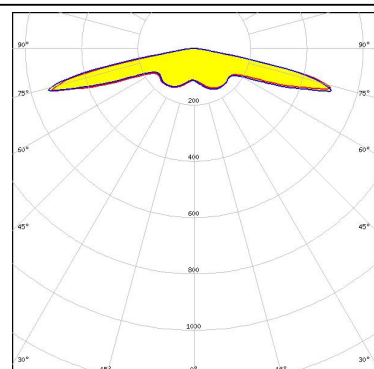
LED CLL05x/CLU05x  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.260 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED CMA2550  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



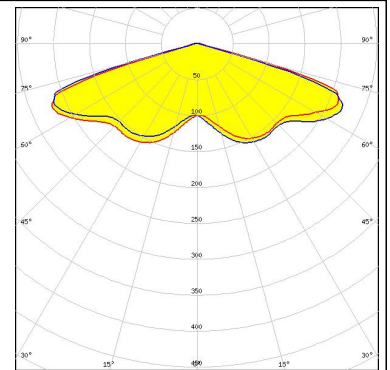
LED CMT19xx  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.538 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 477 Typ Z1



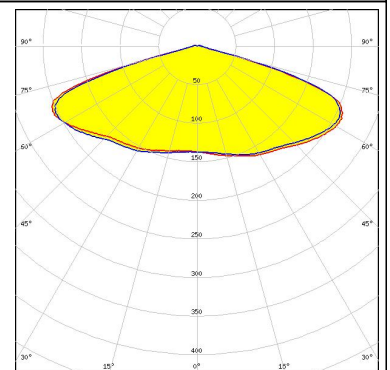
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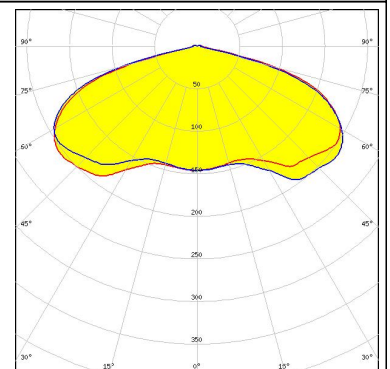
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.600 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



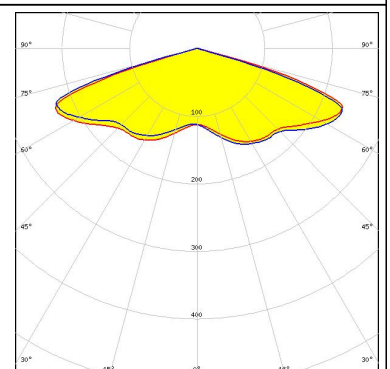
LED CXA/B 25xx  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 439 Typ L3



LED CXA/B 3590  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.250 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



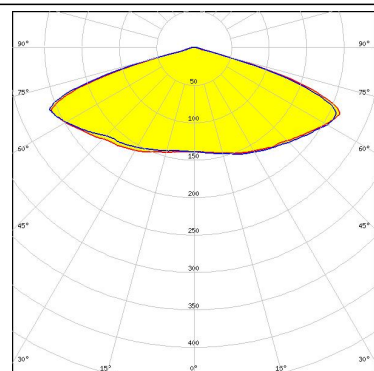
LED LUXEON CoB 1208  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.540 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



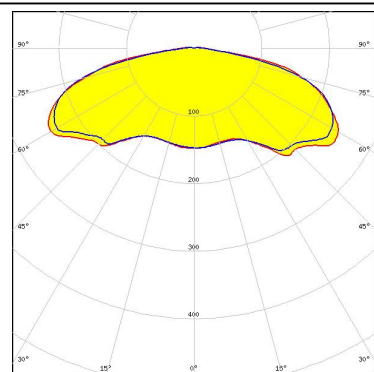
#### PHOTOMETRIC DATA (MEASURED):



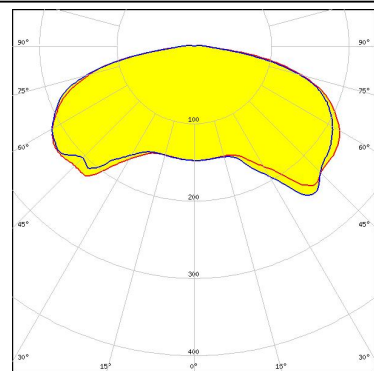
LED LUXEON CoB 1211  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.350 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ L3



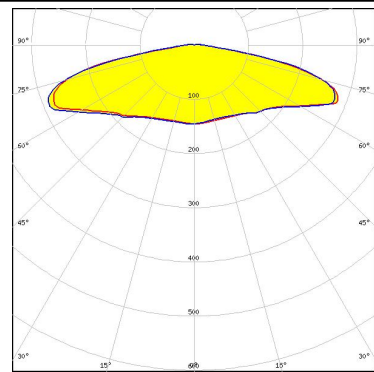
LED LUXEON CoB 1321  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.250 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON CoB 1825  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.250 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



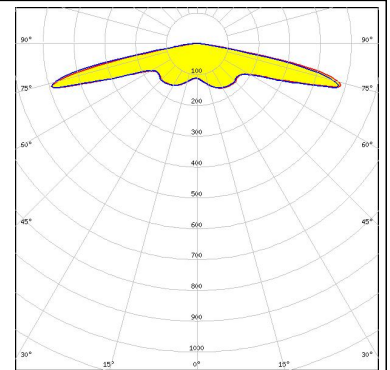
LED COB H-Type  
 FWHM Asymmetric  
 Efficiency 93 %  
 Peak intensity 0.290 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



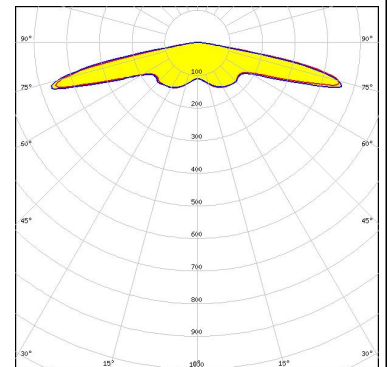
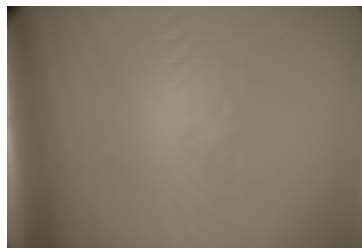
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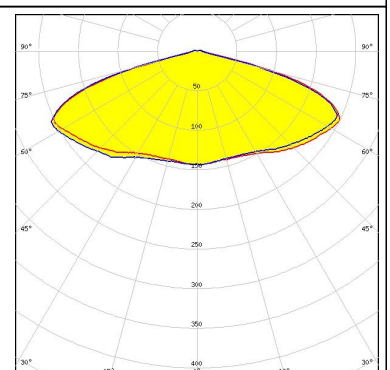
LED COB J-Type  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED COB D Series LES 14.5 mm  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.470 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

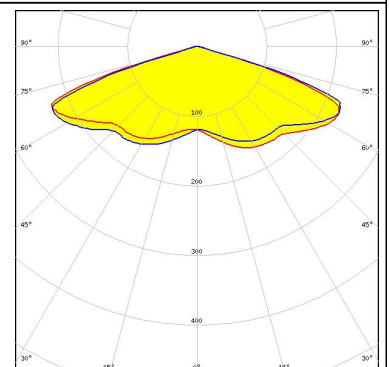


LED COB D Series LES 22 mm  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.500 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 433 Typ Z1



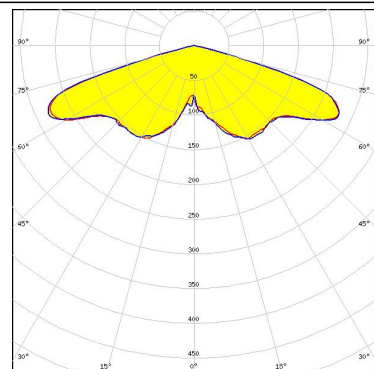
## PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 22</p> <p>FWHM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.310 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ Z1</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 33</p> <p>FWHM Asymmetric</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.230 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

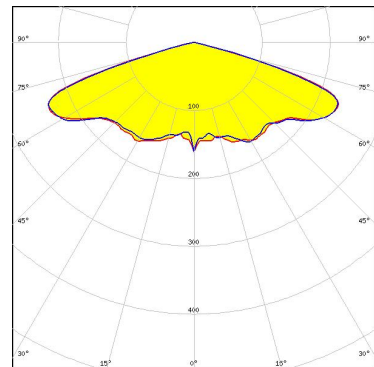
### PHOTOMETRIC DATA (SIMULATED):



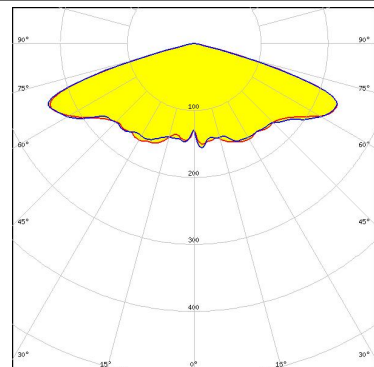
LED V10 Gen7  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.510 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 486 Typ L1



LED V13 Gen7  
FWHM Asymmetric  
Efficiency 98 %  
Peak intensity 0.400 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

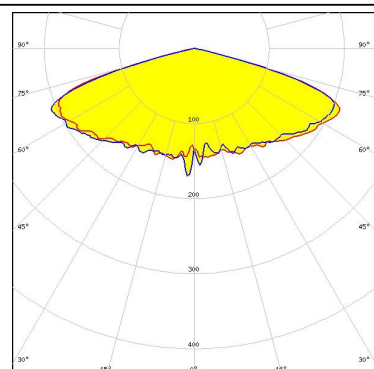


LED V13 Gen7  
FWHM Asymmetric  
Efficiency 97 %  
Peak intensity 0.380 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 477 Typ Z1



### CITIZEN

LED CLL04x/CLU04x  
FWHM Asymmetric  
Efficiency 93 %  
Peak intensity 0.320 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

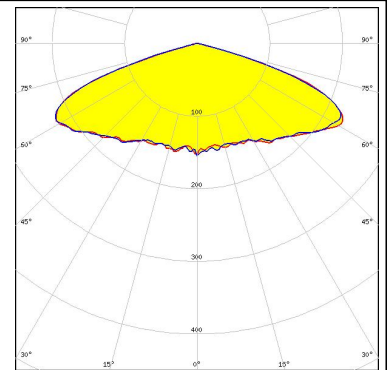




#### PHOTOMETRIC DATA (SIMULATED):

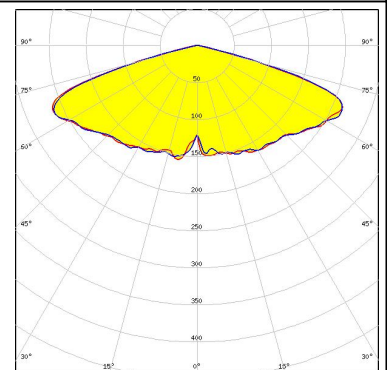
#### CITIZEN

LED CLL04x/CLU04x  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.330 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 431 Typ Z1



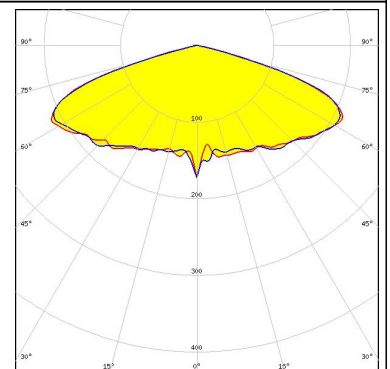
#### CREE

LED CXA/B 25xx  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.350 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



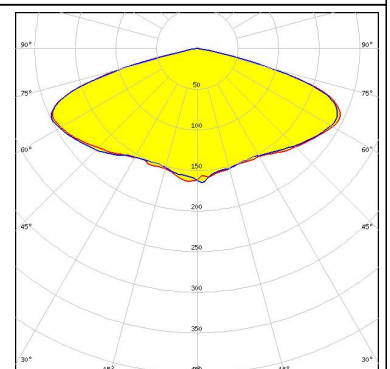
#### CREE

LED CXA/B 30xx  
 FWHM Asymmetric  
 Efficiency 94 %  
 Peak intensity 0.300 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:  
 Bender Wirth: 447 Typ Z1



#### LUMILEDS

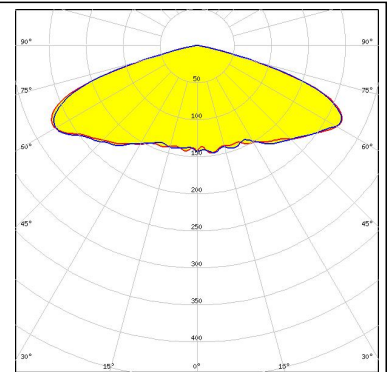
LED LUXEON CoB 1216/1812  
 FWHM Asymmetric  
 Efficiency 92 %  
 Peak intensity 0.270 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (SIMULATED):



LED CxM-22 (28x28)  
FWHM Asymmetric  
Efficiency 94 %  
Peak intensity 0.300 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:  
Bender Wirth: 431 Typ Z1



### 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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USA

#### Local sales and technical support

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

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

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