

## 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 ⓘ

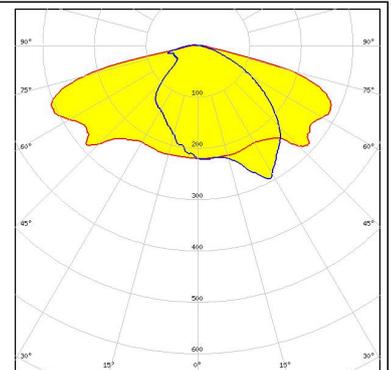
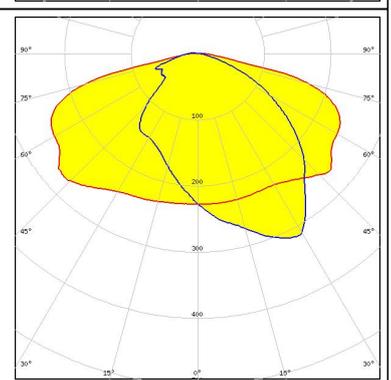
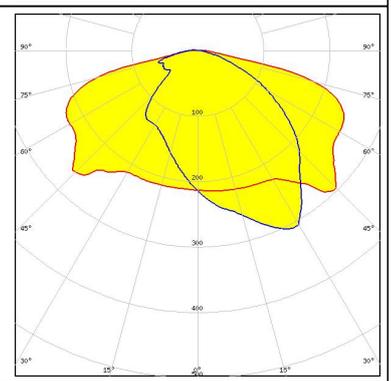
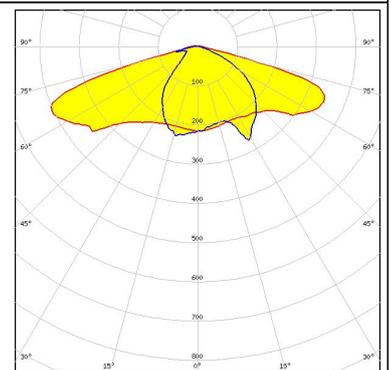


### MATERIAL SPECIFICATIONS:

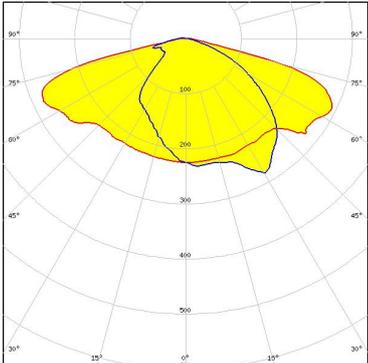
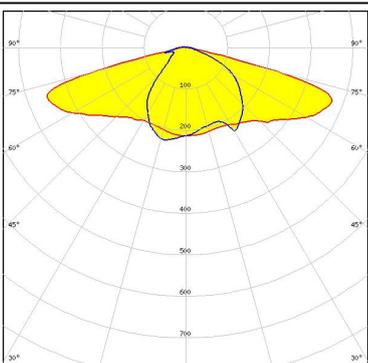
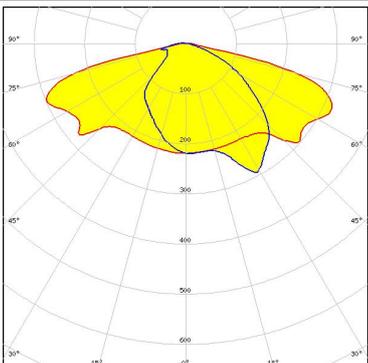
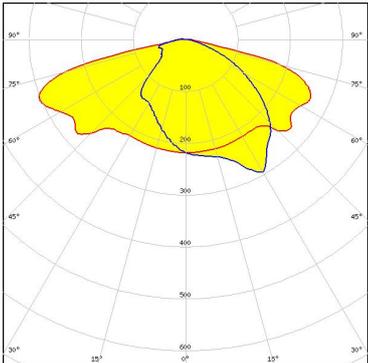
Component	Type	Material	Colour
STELLA-DWC2	Lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black



**PHOTOMETRIC DATA (MEASURED):**

<p>bridgelux.</p> <p>LED V18 Gen7            FWHM Asymmetric            Efficiency 89 %            Peak intensity 0.410 cd/lm            Required components:</p>	
<p>bridgelux.</p> <p>LED V22 Gen7            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.330 cd/lm            Required components:            TE: 2213480-1</p>	
<p>bridgelux.</p> <p>LED V22 Gen7            FWHM Asymmetric            Efficiency 88 %            Peak intensity 0.360 cd/lm            Required components:</p>	
<p>bridgelux.</p> <p>LED Vero SE 13            FWHM Asymmetric            Efficiency 91 %            Peak intensity 0.630 cd/lm            Required components:</p>	

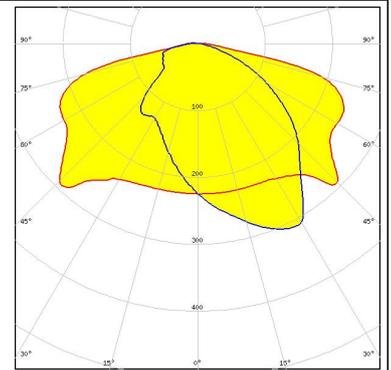
#### PHOTOMETRIC DATA (MEASURED):

<p></p> <p>LED            Vero SE 18</p> <p>FWHM        Asymmetric</p> <p>Efficiency    91 %</p> <p>Peak intensity 0.450 cd/lm</p> <p>Required components:</p>	
<p></p> <p>LED            VERO13</p> <p>FWHM        Asymmetric</p> <p>Efficiency    89 %</p> <p>Peak intensity 0.610 cd/lm</p> <p>Required components:</p>	
<p></p> <p>LED            VERO18</p> <p>FWHM        Asymmetric</p> <p>Efficiency    90 %</p> <p>Peak intensity 0.430 cd/lm</p> <p>Required components:</p>	
<p></p> <p>LED            CMA2550</p> <p>FWHM        Asymmetric</p> <p>Efficiency    89 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>Required components:</p>	

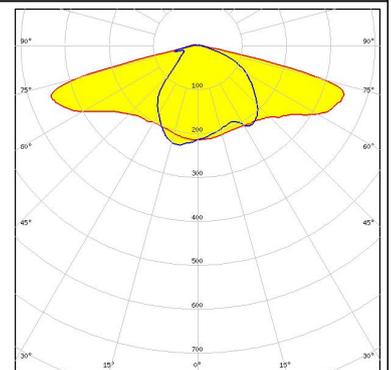
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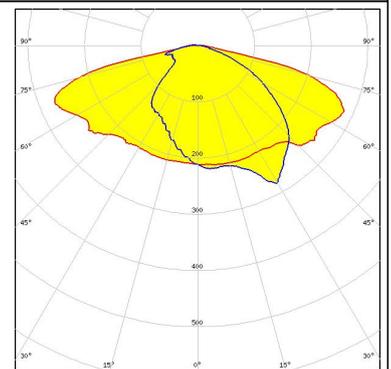
LED CMA3090  
FWHM Asymmetric  
Efficiency 89 %  
Peak intensity 0.400 cd/lm  
Required components:



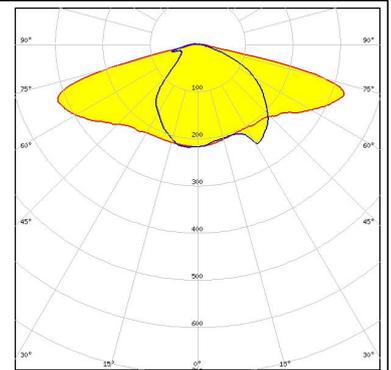
LED CXA/B 1816 & CXA/B 1820 & CXA 1850  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.600 cd/lm  
Required components:



LED CXA/B 25xx  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.400 cd/lm  
Required components:



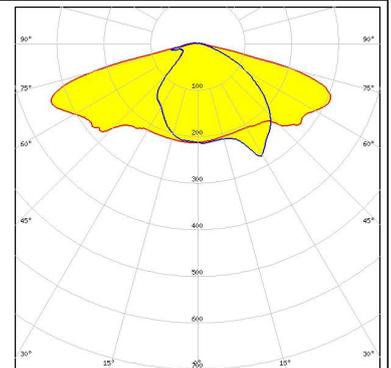
LED COB J-Type  
FWHM Asymmetric  
Efficiency 89 %  
Peak intensity 0.600 cd/lm  
Required components:



#### PHOTOMETRIC DATA (MEASURED):

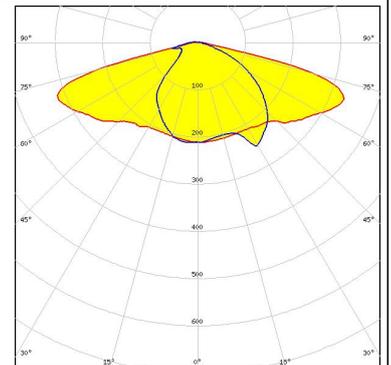
**OSRAM**  
Opto Semiconductors

LED Soleriq S19  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity 0.510 cd/lm  
Required components:



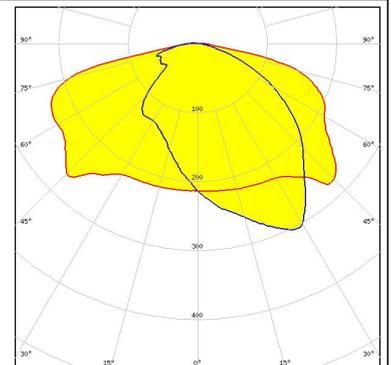
**SAMSUNG**

LED COB D Series LES 14.5 mm  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.520 cd/lm  
Required components:



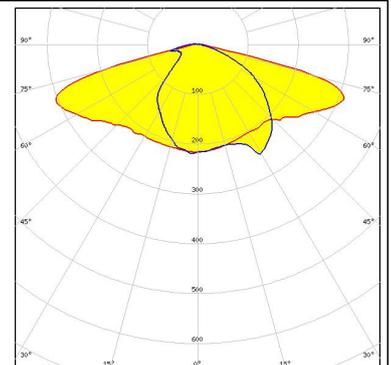
**SAMSUNG**

LED COB D Series LES 22 mm  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.340 cd/lm  
Required components:

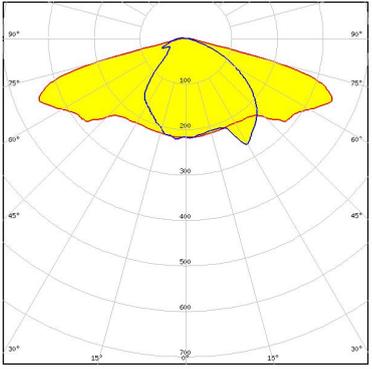
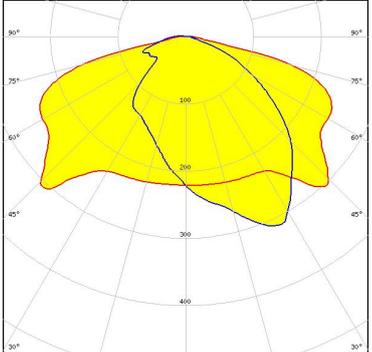


SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.500 cd/lm  
Required components:



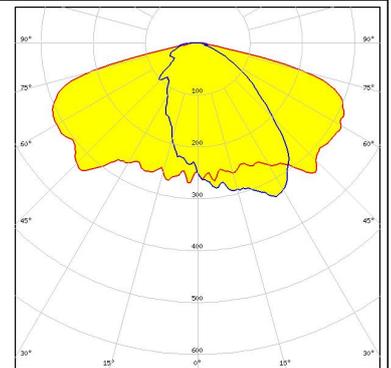
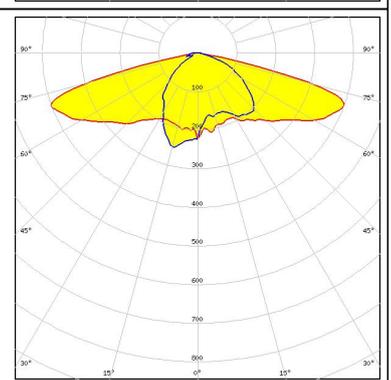
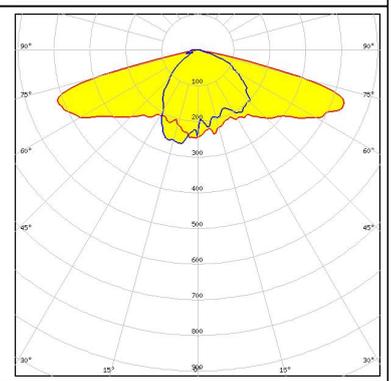
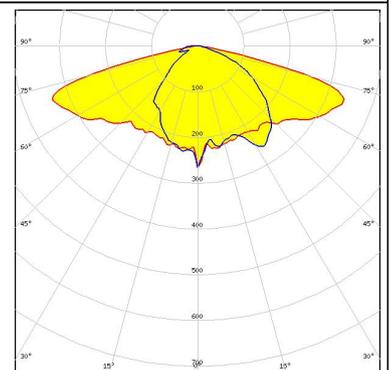
#### PHOTOMETRIC DATA (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5 FWHM Asymmetric Efficiency 90 % Peak intensity 0.500 cd/lm Required components: Bender Wirth: 433 Typ Z1</p>	
<p> SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 22 FWHM Asymmetric Efficiency 90 % Peak intensity 0.370 cd/lm Required components: Bender Wirth: 431 Typ Z1</p>	

#### PHOTOMETRIC DATA (SIMULATED):

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

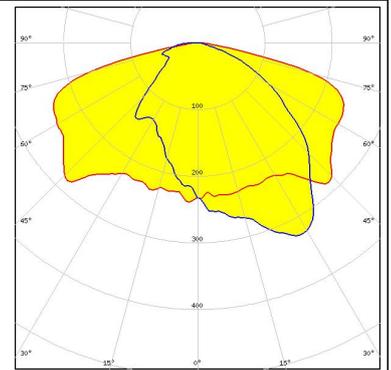
**PHOTOMETRIC DATA (SIMULATED):**

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

#### PHOTOMETRIC DATA (SIMULATED):

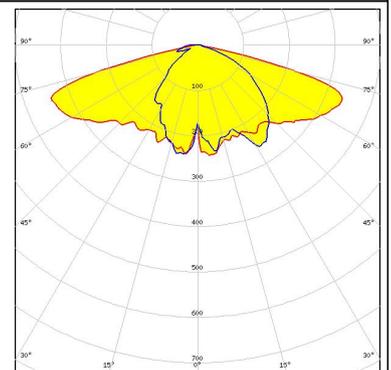
### CITIZEN

LED CLL04x/CLU04x  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.370 cd/lm  
Required components:  
Bender Wirth: 431 Typ Z1



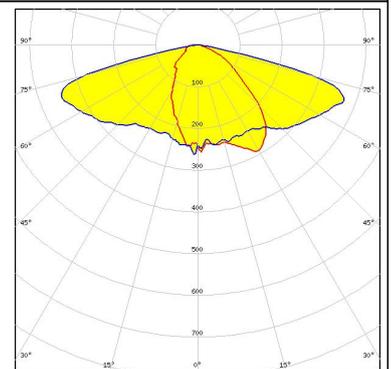
### CREE

LED CXA/B 1830  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.540 cd/lm  
Required components:



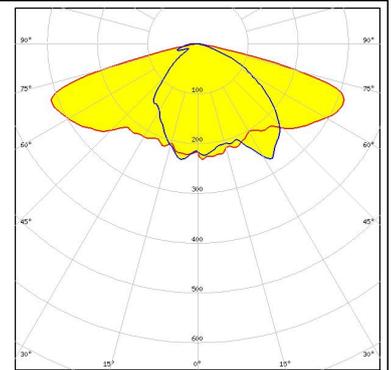
### CREE

LED CXA/B 25xx  
FWHM Asymmetric  
Efficiency 90 %  
Peak intensity 0.440 cd/lm  
Required components:



### LUMILEDS

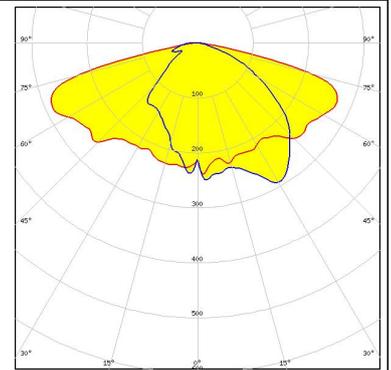
LED LUXEON CoB 1208  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.460 cd/lm  
Required components:  
Bender Wirth: 431 Typ Z1



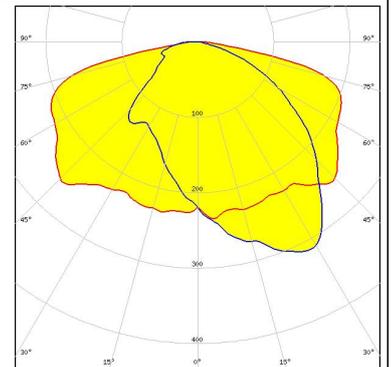
#### PHOTOMETRIC DATA (SIMULATED):



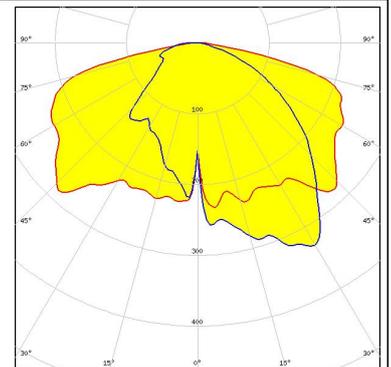
LED LUXEON CoB 1211  
FWHM Asymmetric  
Efficiency 89 %  
Peak intensity 0.400 cd/lm  
Required components:  
Bender Wirth: 431 Typ Z1



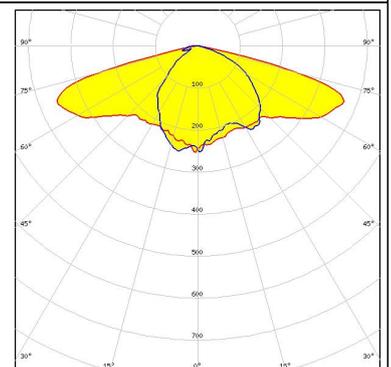
LED LUXEON CoB 1216/1812  
FWHM Asymmetric  
Efficiency 88 %  
Peak intensity 0.330 cd/lm  
Required components:  
Bender Wirth: 431 Typ Z1



LED CXM-22  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.360 cd/lm  
Required components:  
Bender Wirth: 431 Typ Z1



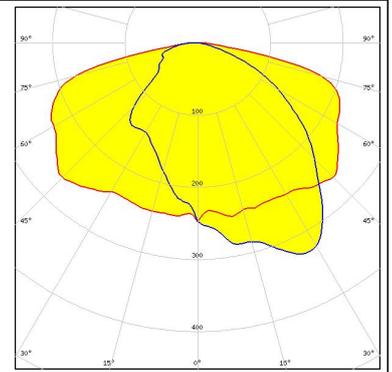
LED Soleriq S13  
FWHM Asymmetric  
Efficiency 91 %  
Peak intensity 0.550 cd/lm  
Required components:  
Bender Wirth: 477 Typ Z1



## PHOTOMETRIC DATA (SIMULATED):

### PHILIPS

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

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