

STELLA-DWC2

Universal road lighting (IESNA Type II Medium) beam with excellent mixed illuminance and luminance uniformity. Compatible with up to 30 mm LES size COBs.

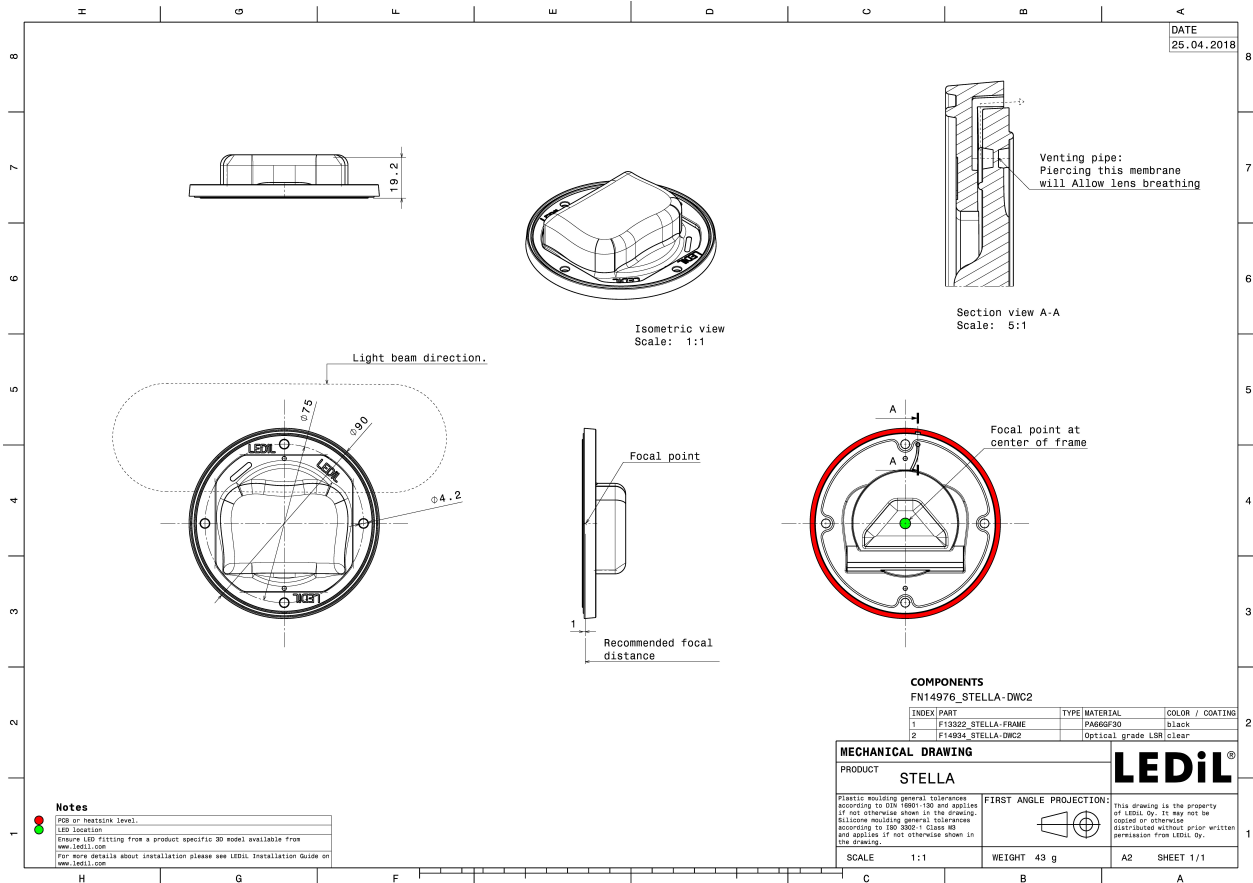
TECHNICAL SPECIFICATIONS:

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 ⓘ

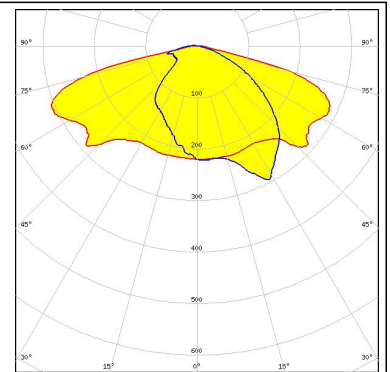
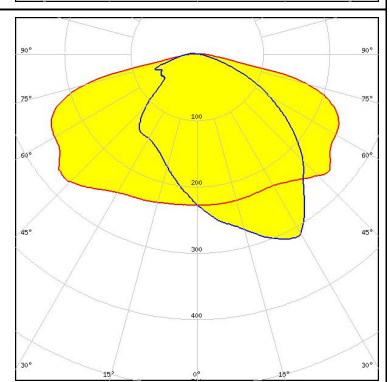
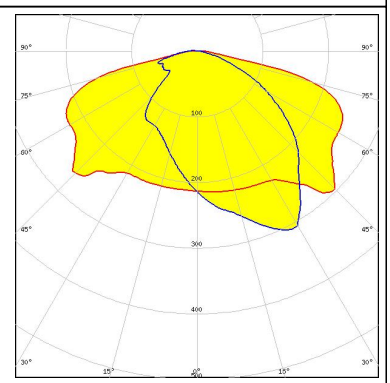
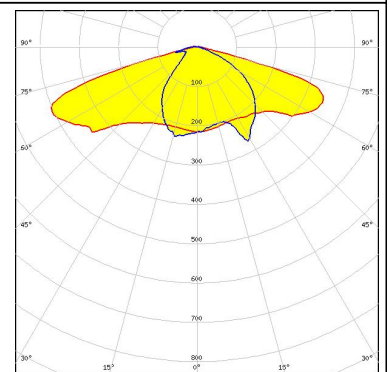


MATERIAL SPECIFICATIONS:

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



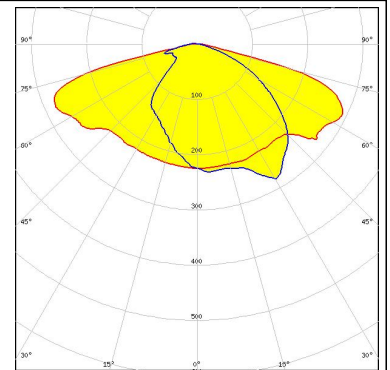
PHOTOMETRIC DATA (MEASURED):

<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):

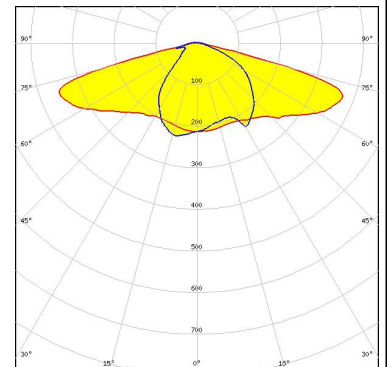
bridgelux.

LED Vero SE 18
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.450 cd/lm
Required components:



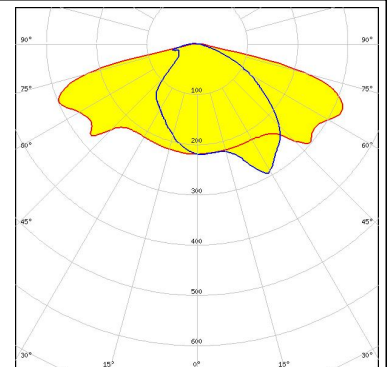
bridgelux.

LED VERO13
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.610 cd/lm
Required components:



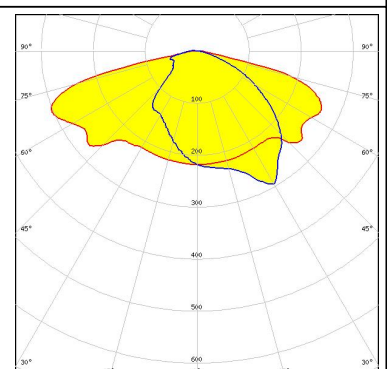
bridgelux.

LED VERO18
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.430 cd/lm
Required components:



CREE ⇄

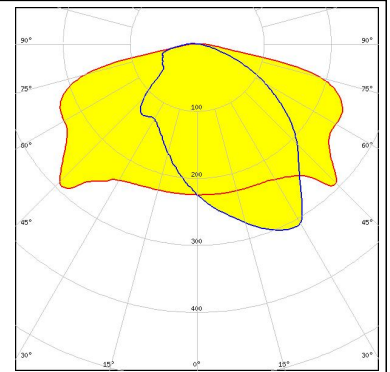
LED CMA2550
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.400 cd/lm
Required components:



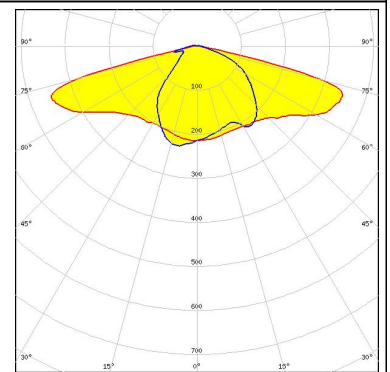
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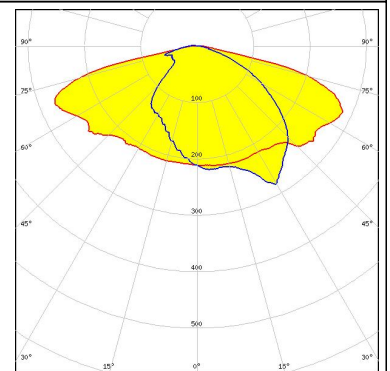
LED CMA3090
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.400 cd/lm
Required components:



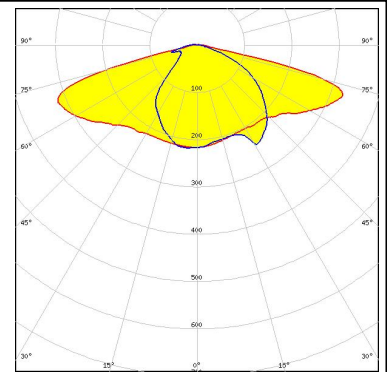
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.600 cd/lm
Required components:



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



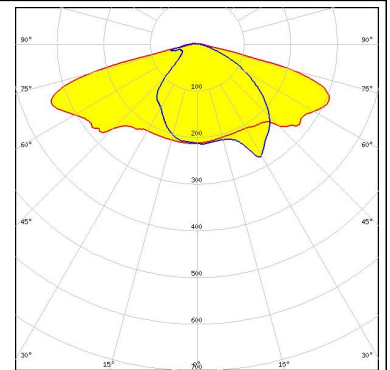
LED COB J-Type
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.600 cd/lm
Required components:



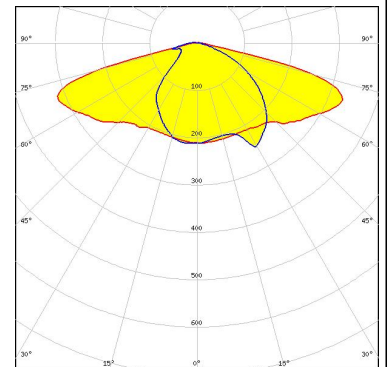
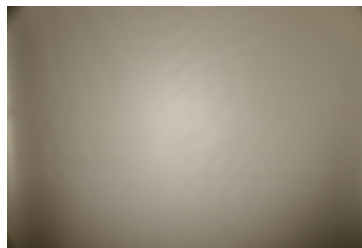
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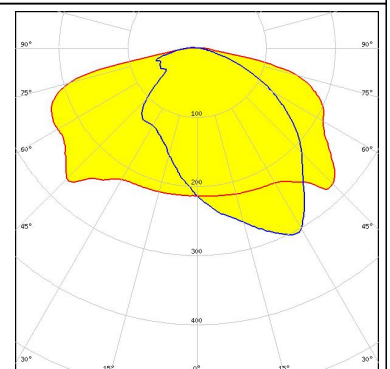
LED Soleriq S19
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.510 cd/lm
 Required components:



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

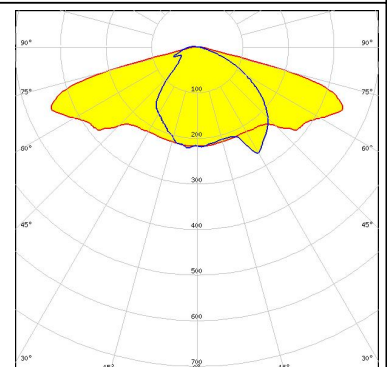


LED COB D Series LES 22 mm
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.340 cd/lm
 Required components:


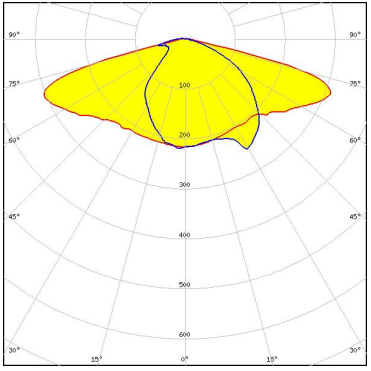

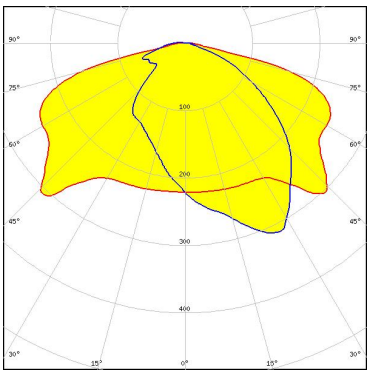


SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.500 cd/lm
 Required components:
 Bender Wirth: 433 Typ Z1




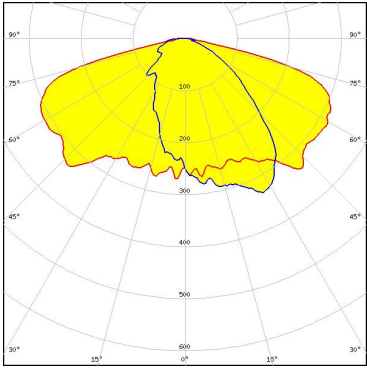

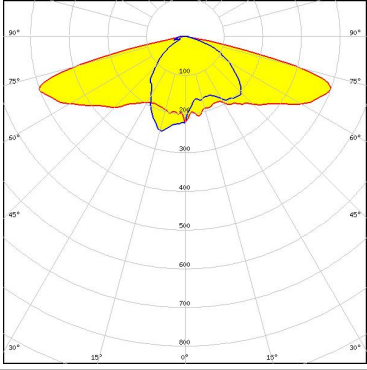
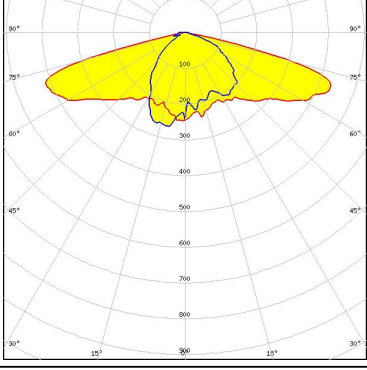
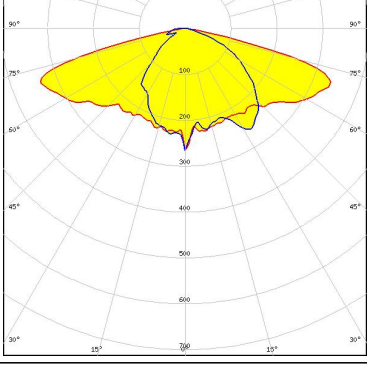
PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR		
LED	MJT COB LES 14.5	
FWHM	Asymmetric	
Efficiency	88 %	
Peak intensity	0.500 cd/lm	
Required components:		
 SEOUL SEMICONDUCTOR		
LED	MJT COB LES 22	
FWHM	Asymmetric	
Efficiency	90 %	
Peak intensity	0.370 cd/lm	
Required components:		
	Bender Wirth: 431 Typ Z1	

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: 434 Typ Z1</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>	

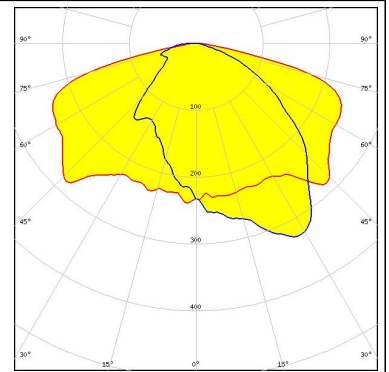
PHOTOMETRIC DATA (SIMULATED):

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

PHOTOMETRIC DATA (SIMULATED):

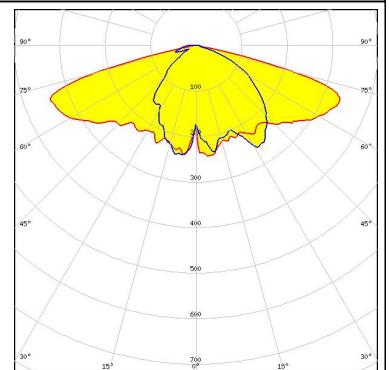
CITIZEN

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



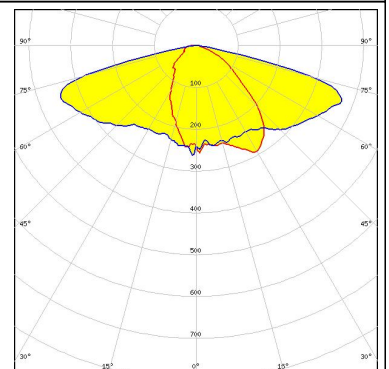
CREE

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



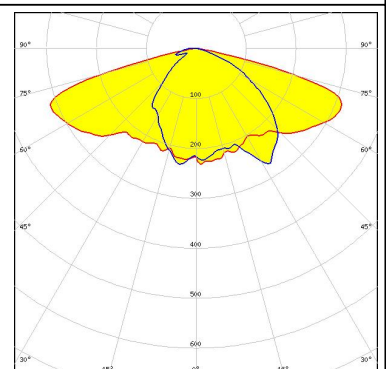
CREE

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



LUMILEDS

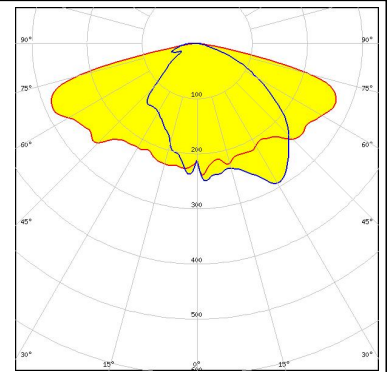
LED LUXEON CoB 1208
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.460 cd/lm
Required components:
Bender Wirth: 431 Typ Z1



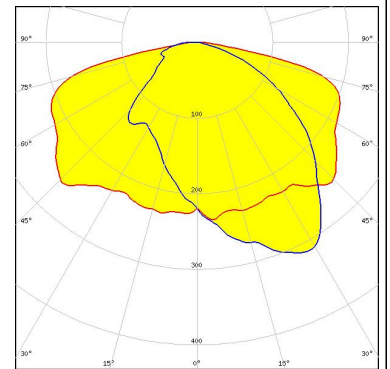
PHOTOMETRIC DATA (SIMULATED):



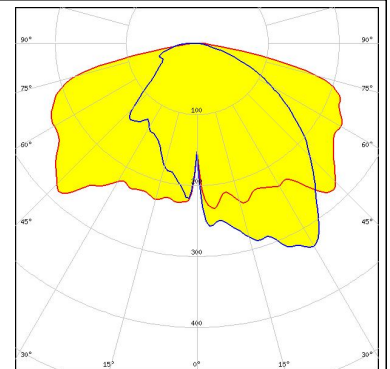
LED LUXEON CoB 1211
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.400 cd/lm
Required components:
Bender Wirth: 431 Typ Z1



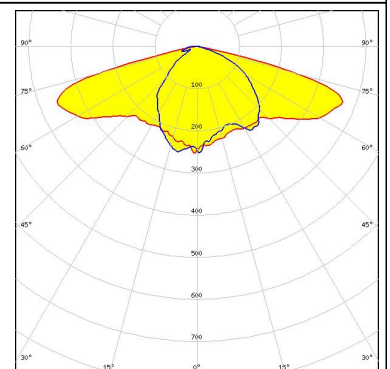
LED LUXEON CoB 1216/1812
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.330 cd/lm
Required components:
Bender Wirth: 431 Typ Z1



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



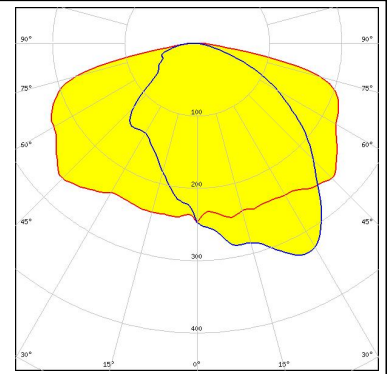
LED Soleriq S13
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.550 cd/lm
Required components:
Bender Wirth: 477 Typ Z1



PHOTOMETRIC DATA (SIMULATED):

PHILIPS

LED Fortimo SLM L23 Poke-In
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:

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

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support

www.ledil.com/where_to_buy

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

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