

STELLA-VSM

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

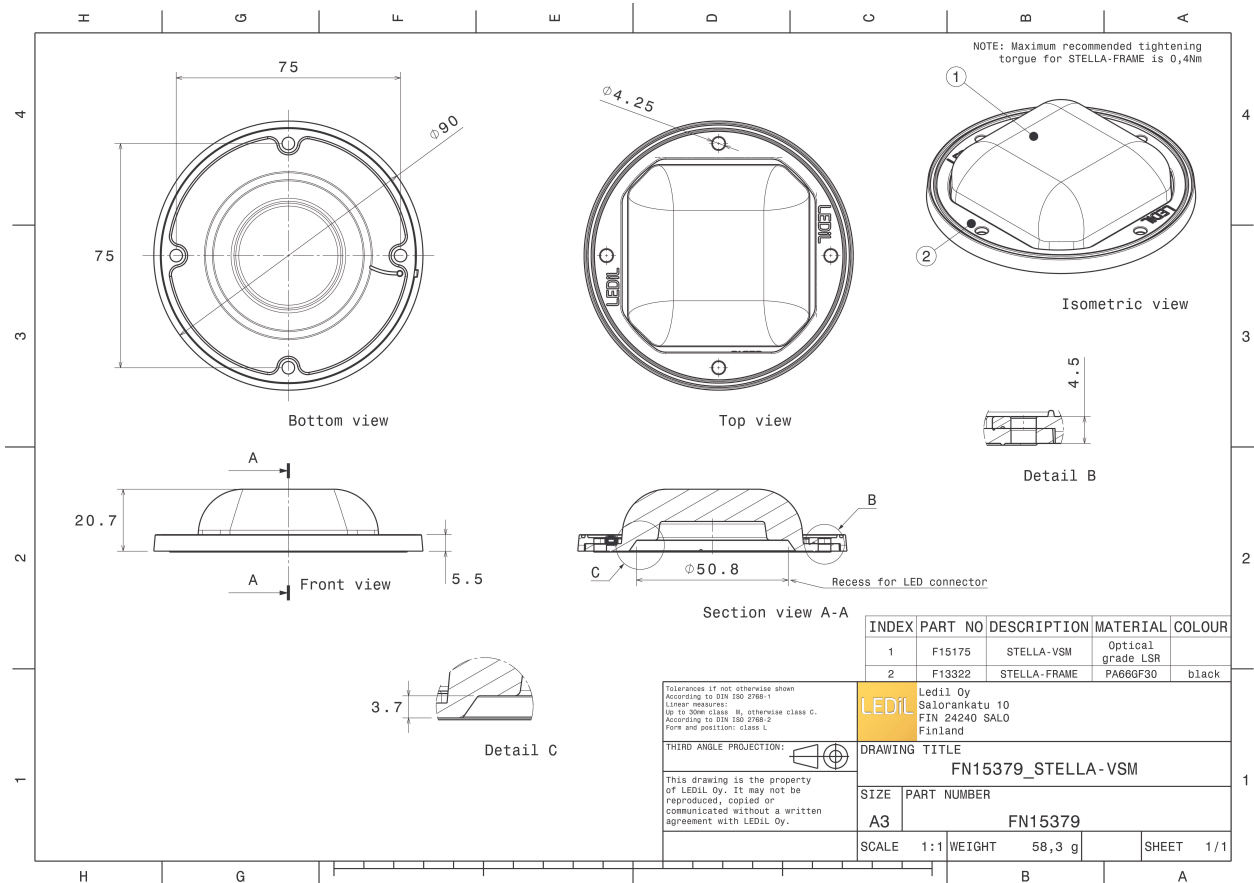
TECHNICAL SPECIFICATIONS:

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:

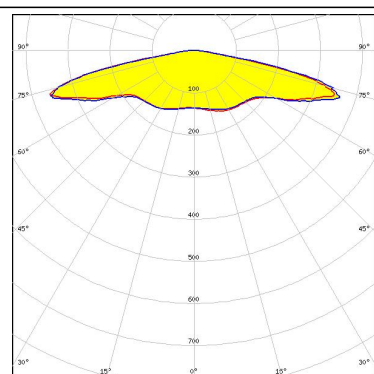
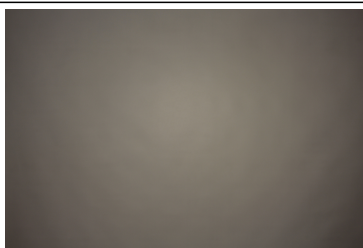
Component	Type	Material	Colour
STELLA-VSM	Single lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black



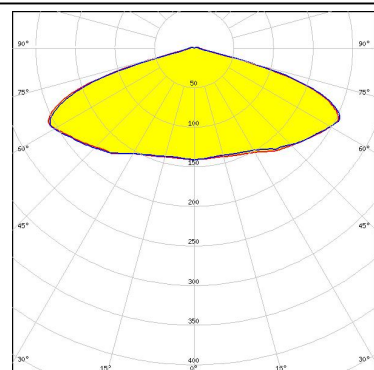
PHOTOMETRIC DATA (MEASURED):



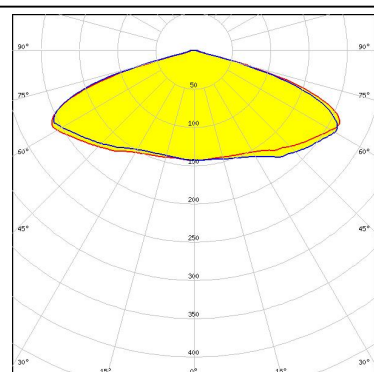
LED V18 Gen7
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.360 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 439 Typ L3



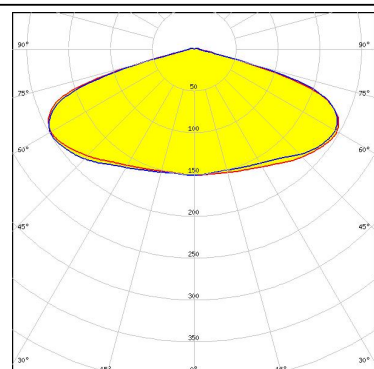
LED V22 Gen7
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



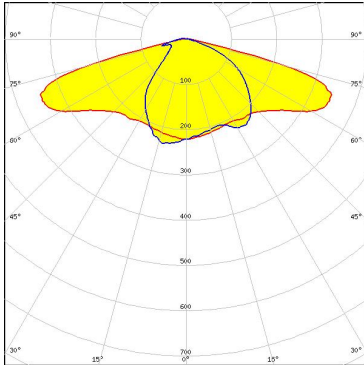
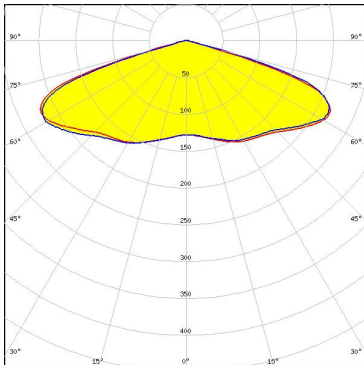
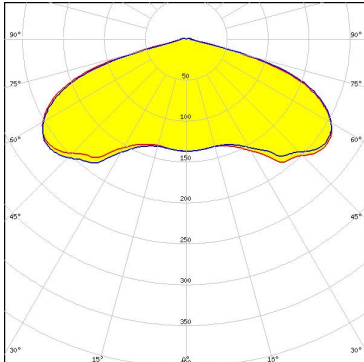
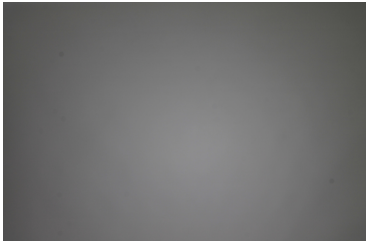
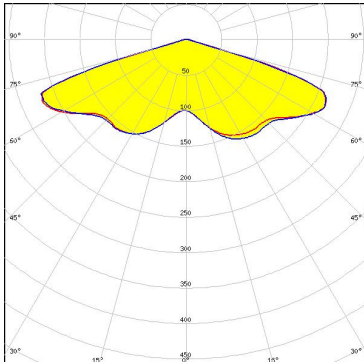
LED V22 Gen7
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.310 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ Z1



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



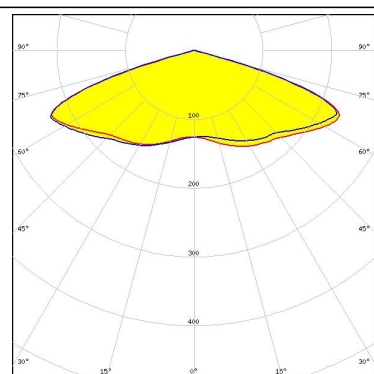
PHOTOMETRIC DATA (MEASURED):

bridgelux LED Vero SE 13 FWHM Asymmetric Efficiency 90 % Peak intensity 0.620 cd/lm LEDs/each optic 1 Light colour White Required components:	
bridgelux LED Vero SE 18 FWHM Asymmetric Efficiency 94 % Peak intensity 0.370 cd/lm LEDs/each optic 1 Light colour White Required components:	
bridgelux LED Vero SE 29 FWHM Asymmetric Efficiency 94 % Peak intensity 0.260 cd/lm LEDs/each optic 1 Light colour White Required components:	
bridgelux LED VERO13 FWHM Asymmetric Efficiency 93 % Peak intensity 0.600 cd/lm LEDs/each optic 1 Light colour White Required components:	

PHOTOMETRIC DATA (MEASURED):

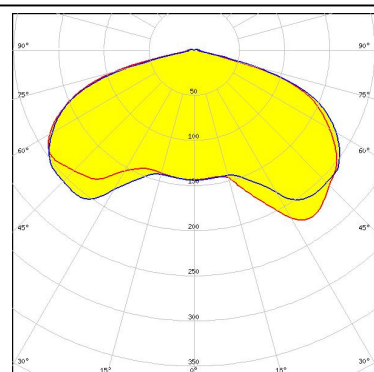


LED VERO18
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:

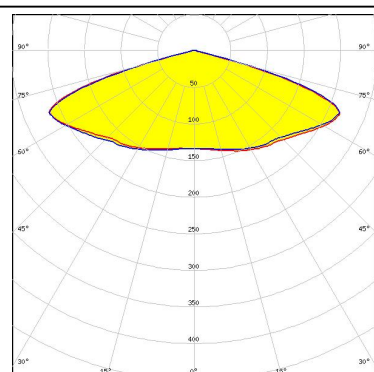


CITIZEN

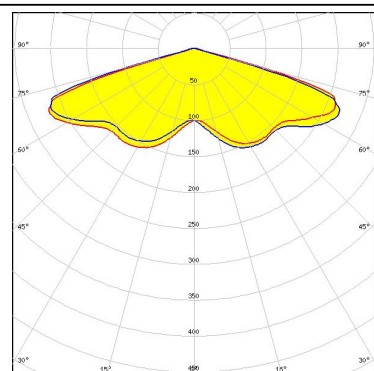
LED CLL05x/CLU05x
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.260 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



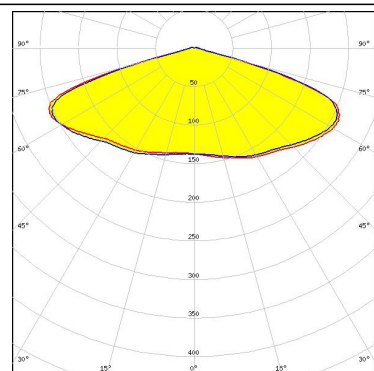
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



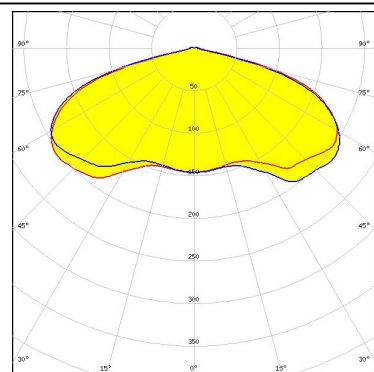
PHOTOMETRIC DATA (MEASURED):



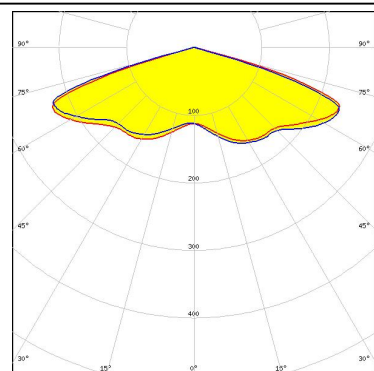
LED CXA/B 25xx
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 439 Typ L3



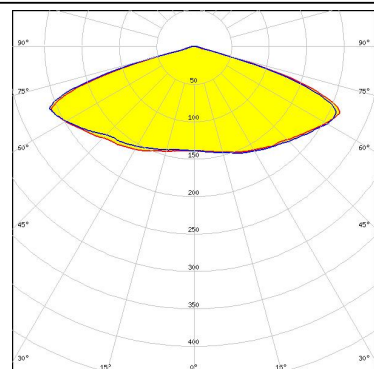
LED CXA/B 3590
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.250 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



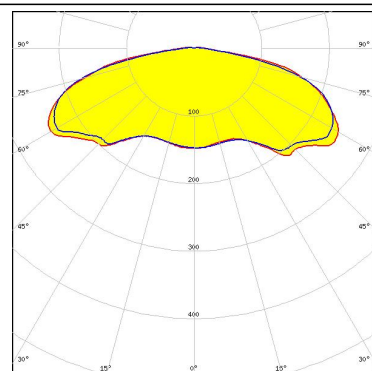
LED LUXEON CoB 1211
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.350 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ L3



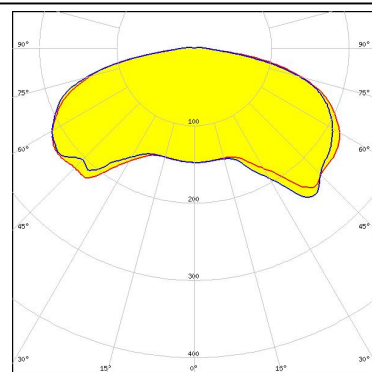
PHOTOMETRIC DATA (MEASURED):



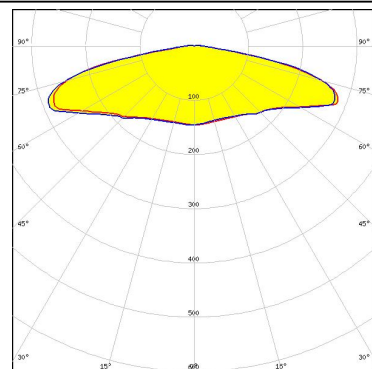
LED LUXEON CoB 1321
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.250 cd/lm
LEDs/each optic 1
Light colour White
Required components:



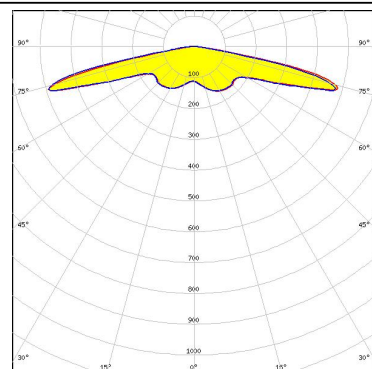
LED LUXEON CoB 1825
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.250 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



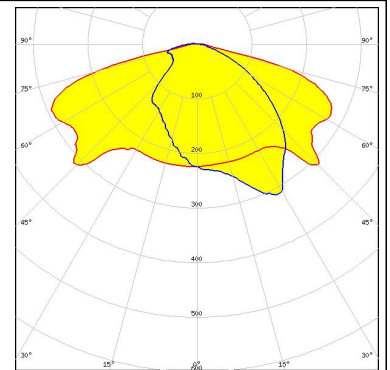
LED COB J-Type
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

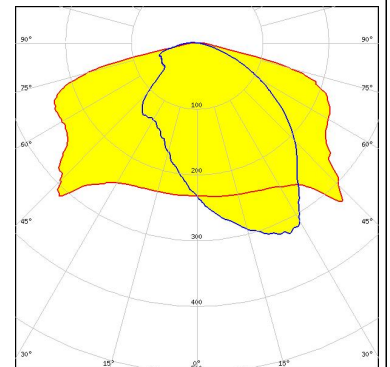
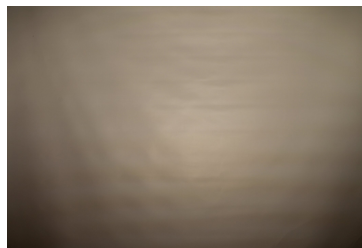
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.390 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



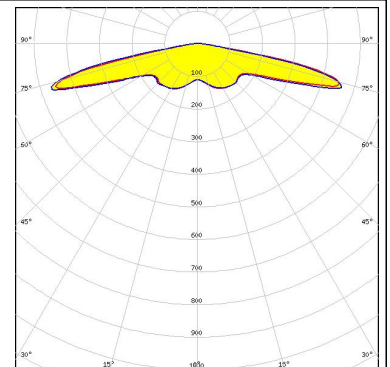
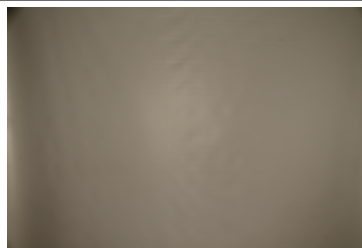
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.350 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



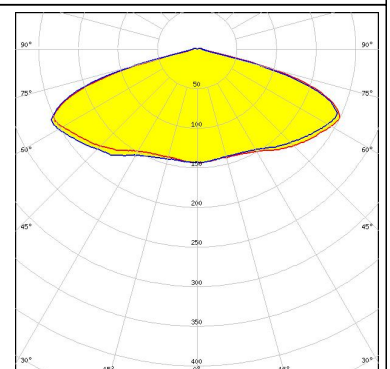
SAMSUNG

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

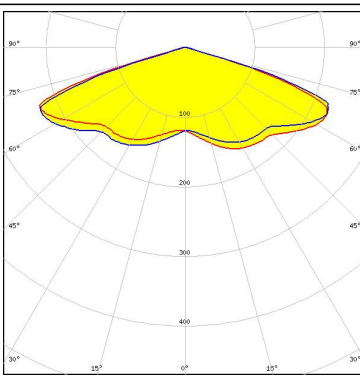
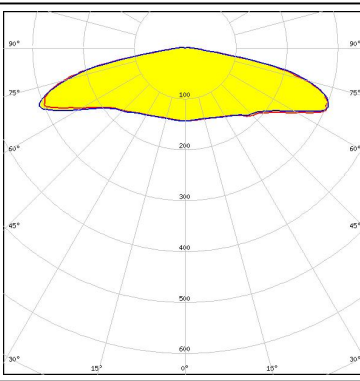
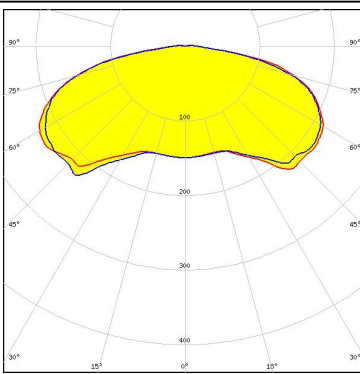


SAMSUNG

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:



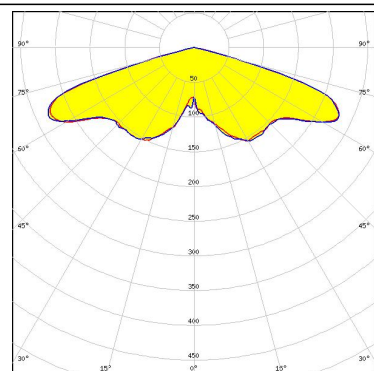
PHOTOMETRIC DATA (MEASURED):

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

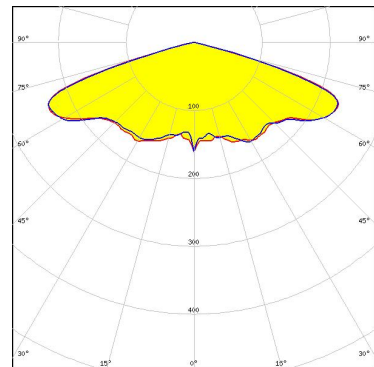
PHOTOMETRIC DATA (SIMULATED):



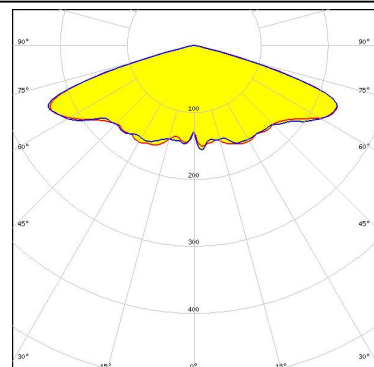
LED V10 Gen7
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.510 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 486 Typ L1



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

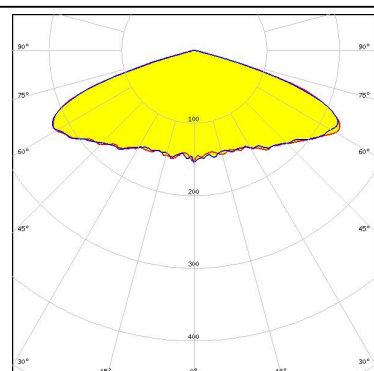


LED V13 Gen7
FWHM Asymmetric
Efficiency 97 %
Peak intensity 0.380 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 477 Typ Z1



CITIZEN

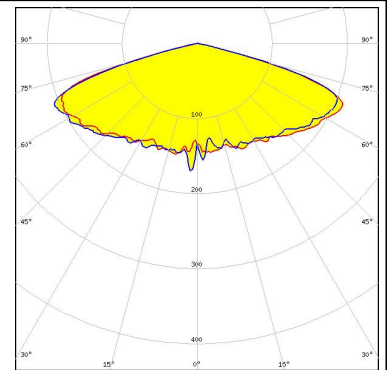
LED CLL04x/CLU04x
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.330 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ Z1



PHOTOMETRIC DATA (SIMULATED):

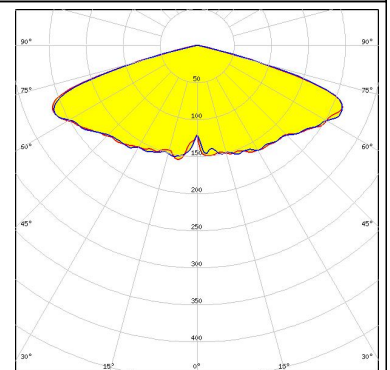
CITIZEN

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



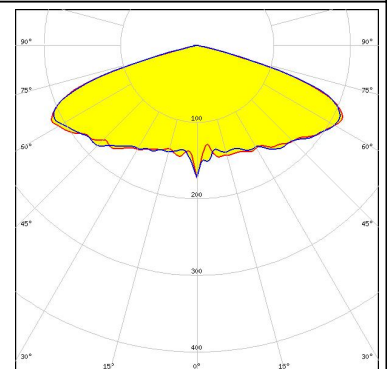
CREE

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



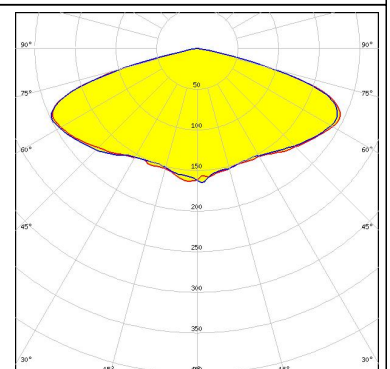
CREE

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

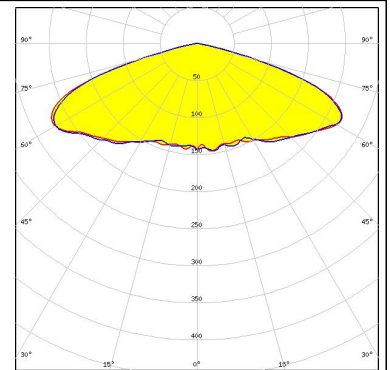
LED LUXEON CoB 1216/1812
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.270 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

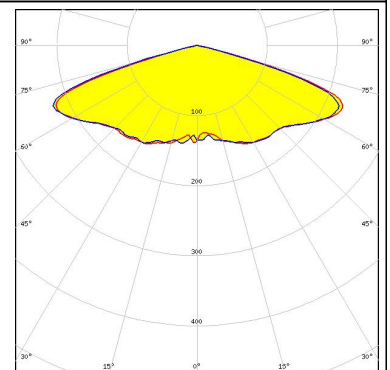


LED CxM-22 (28x28)
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ Z1



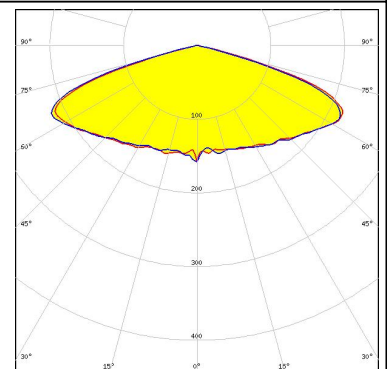
TRIDONIC

LED SLE G6 LES19
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.390 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED SLE G6 LES23
FWHM Asymmetric
Efficiency 94 %
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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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](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)