

STELLA-A

Type II and III beam for street lighting.
Compatible with up to 30 mm LES size COBs.

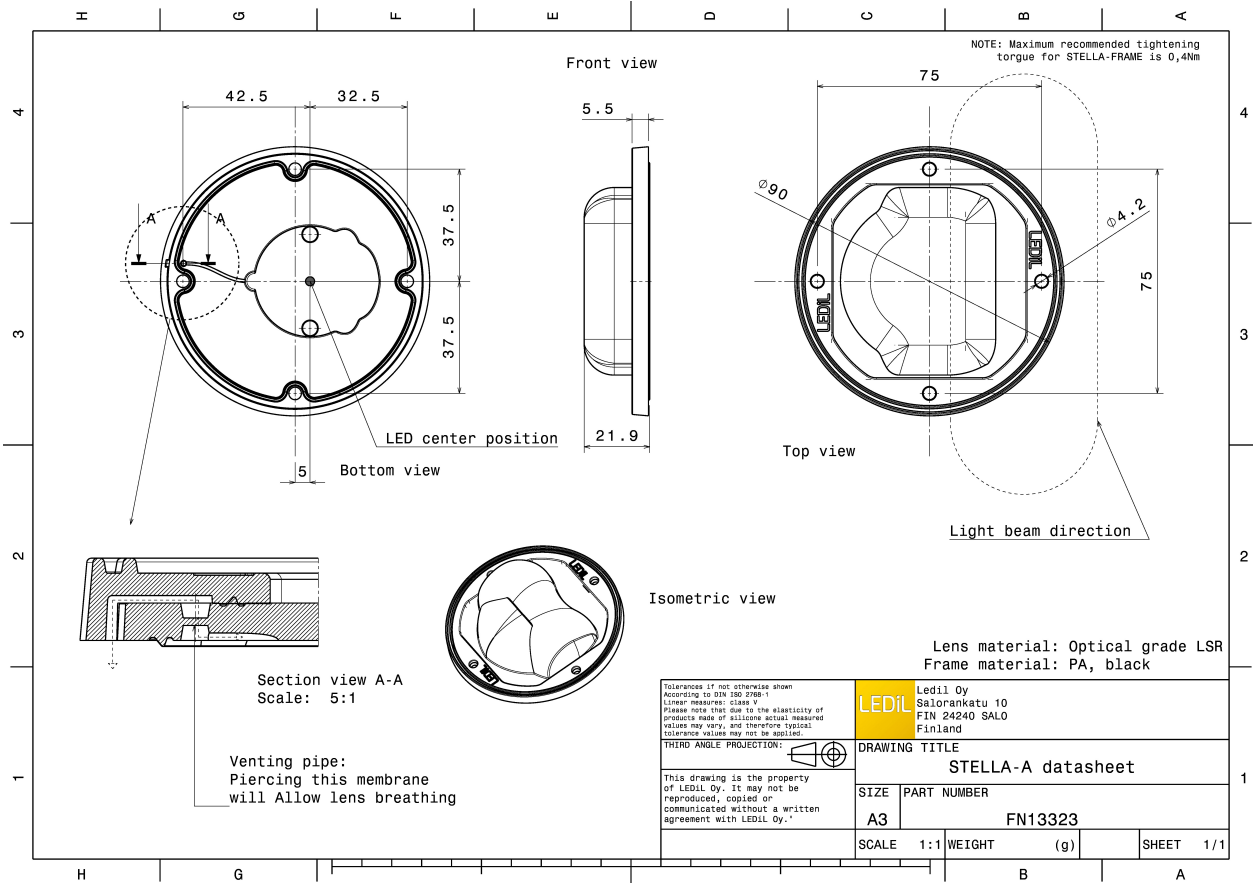
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	22 mm
Fastening	screw
Colour	black
Box size	
Box weight	6.6 kg
Quantity in Box	100 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

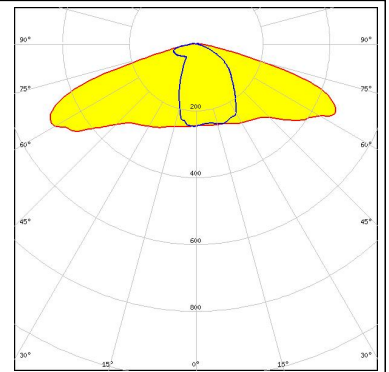
Component	Type	Material	Colour
STELLA-A	Lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black



PHOTOMETRIC DATA (MEASURED):

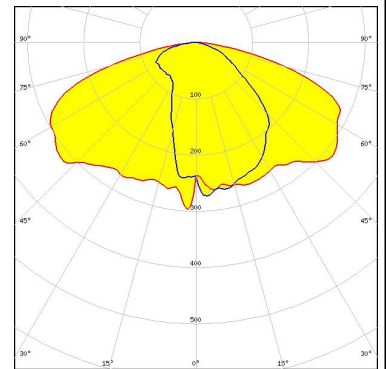
bridgelux.

LED V15 Gen6
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.550 cd/lm
Required components:



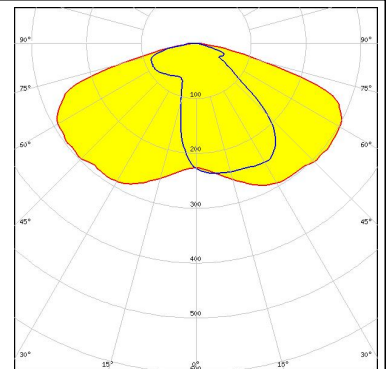
bridgelux.

LED V18 Gen7
FWHM Asymmetric
Efficiency 85 %
Peak intensity 0.400 cd/lm
Required components:



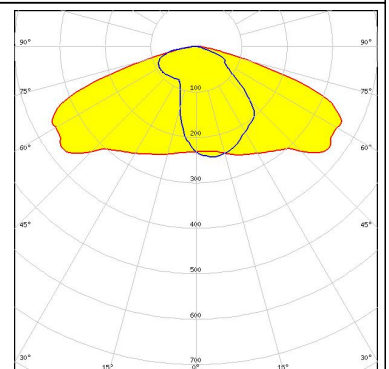
bridgelux.

LED VERO13
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.660 cd/lm
Required components:



bridgelux.

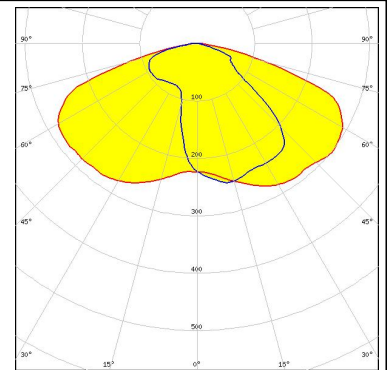
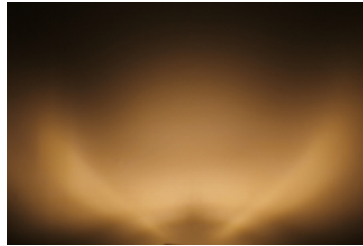
LED VERO18
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.500 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

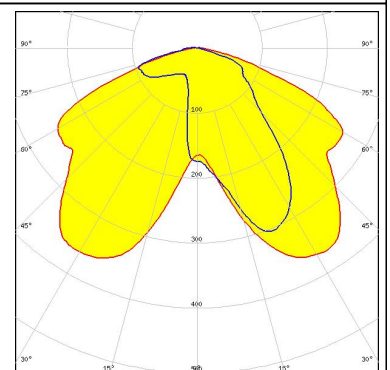
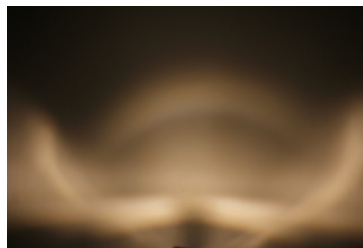
CITIZEN

LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.616 cd/lm
Required components:
Bender Wirth: 433 Typ L1



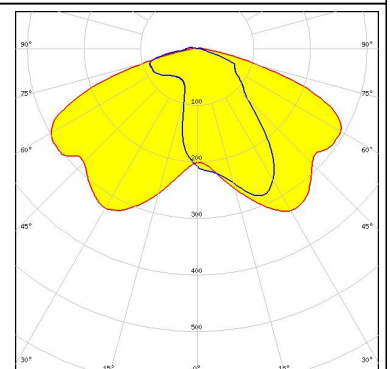
CITIZEN

LED CLU700/701
FWHM Asymmetric
Efficiency 89 %
Peak intensity 1.400 cd/lm
Required components:
Bender Wirth: 434 Typ L1



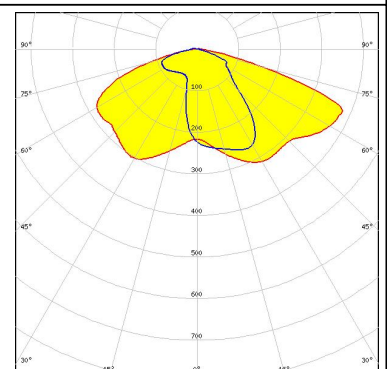
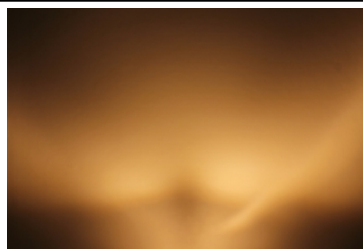
CITIZEN

LED CLU710/711
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.960 cd/lm
Required components:



CITIZEN

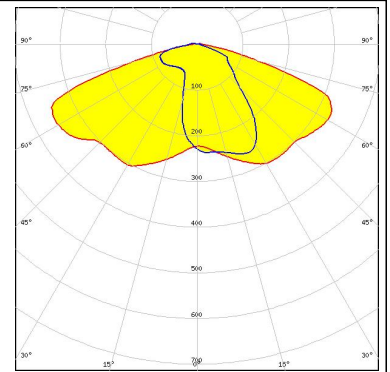
LED CLU720/721
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.760 cd/lm
Required components:
Bender Wirth: 433 Typ L1



PHOTOMETRIC DATA (MEASURED):

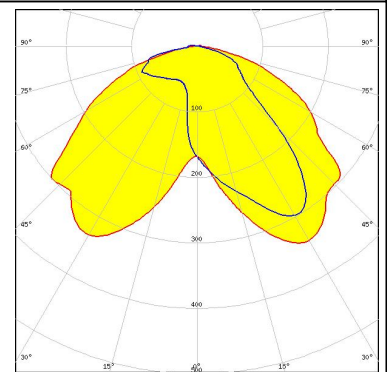
CITIZEN

LED CLU720/721
 FWHM Asymmetric
 Efficiency %
 Peak intensity 0.730 cd/lm
 Required components:



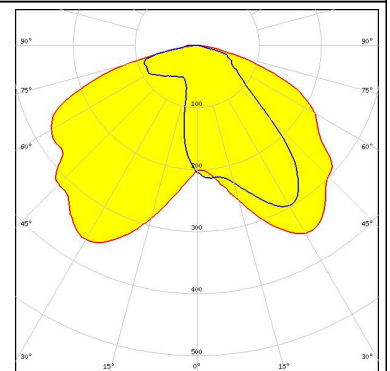
CREE

LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 1.000 cd/lm
 Required components:
 C14305_STELLA-CLAMP-CXA15-18



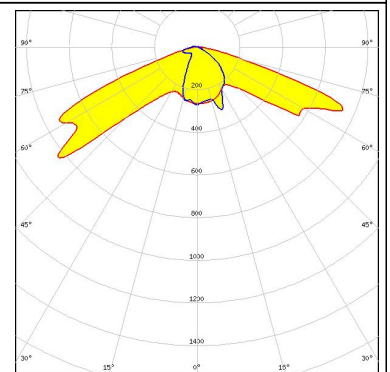
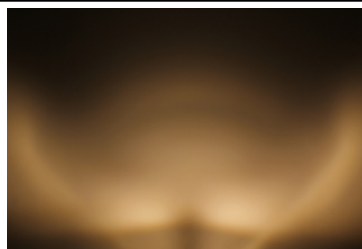
CREE

LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 1.100 cd/lm
 Required components:



CREE

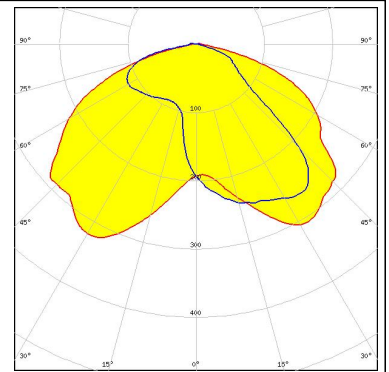
LED CXA/B 15xx
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.850 cd/lm
 Required components:
 Bender Wirth: 441 Typ L1



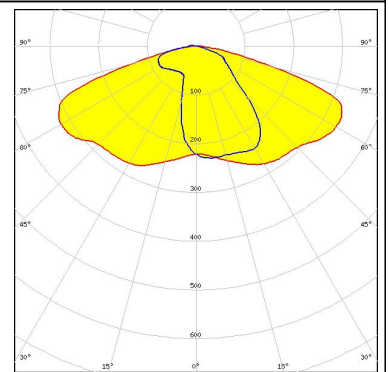
PHOTOMETRIC DATA (MEASURED):



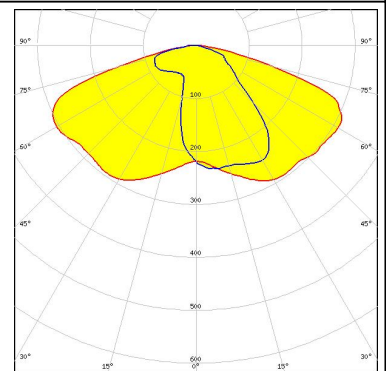
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.740 cd/lm
 Required components:
 C14305_STELLA-CLAMP-CXA15-18



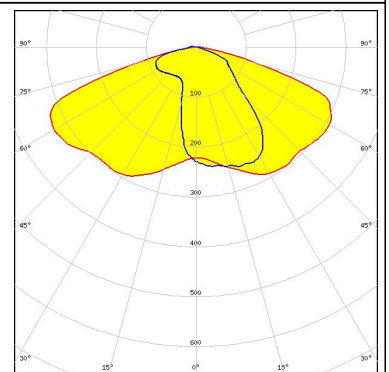
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.620 cd/lm
 Required components:



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.670 cd/lm
 Required components:



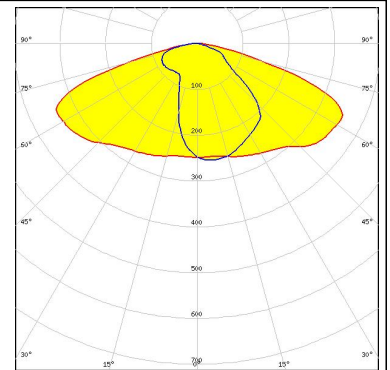
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.670 cd/lm
 Required components:
 Bender Wirth: 437 Typ L1



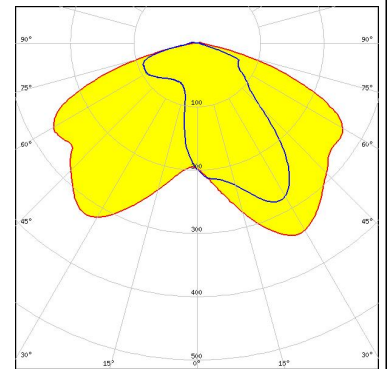
PHOTOMETRIC DATA (MEASURED):



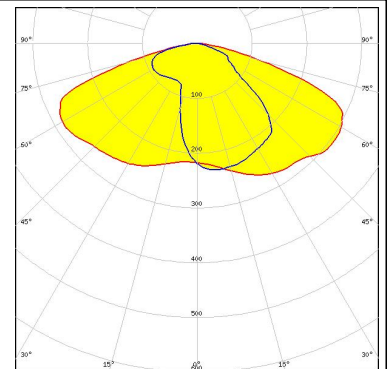
LED CXA/B 25xx
FWHM Asymmetric
Efficiency 93 %
Peak intensity 0.490 cd/lm
Required components:



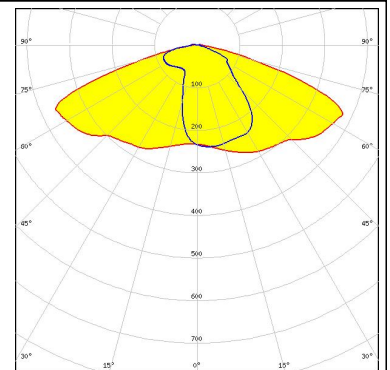
LED LUXEON CoB 1202/1203
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.910 cd/lm
Required components:
Bender Wirth: 438 Typ L1



LED LUXEON CoB 1208
FWHM Asymmetric
Efficiency %
Peak intensity 0.300 cd/lm
Required components:



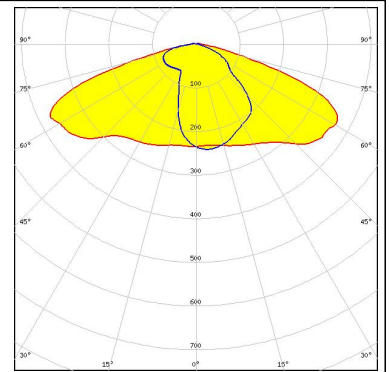
LED CXM-14
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.580 cd/lm
Required components:



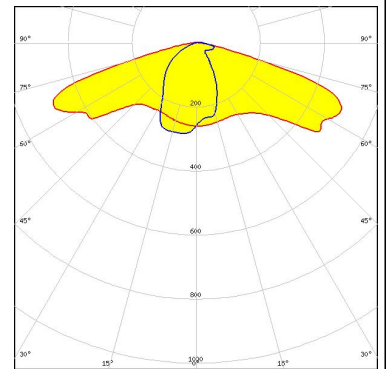
PHOTOMETRIC DATA (MEASURED):



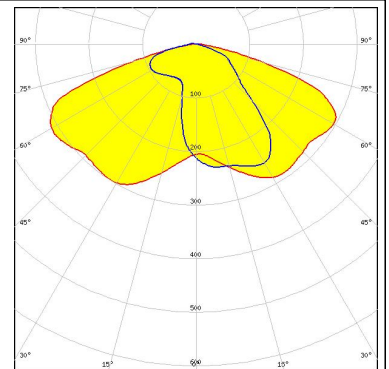
LED CXM-18
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.460 cd/lm
 Required components:



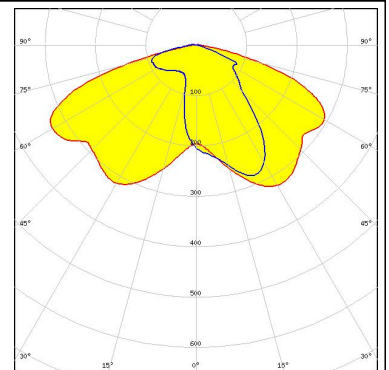
LED COB J-Type
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.500 cd/lm
 Required components:



LED COB L-Type (LES 11)
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.720 cd/lm
 Required components:
 Bender Wirth: 438 Typ L1



LED COB L-Type (LES 9)
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.930 cd/lm
 Required components:
 Bender Wirth: 438 Typ L1

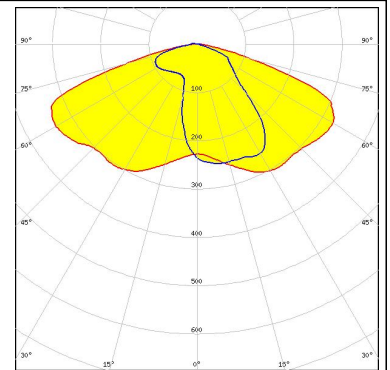


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

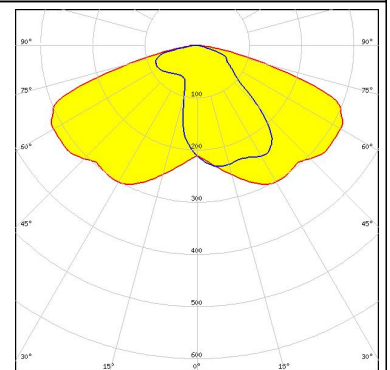
LED Soleriq S13
 FWHM Asymmetric
 Efficiency 92 %
 Peak intensity 0.690 cd/lm
 Required components:
 Bender Wirth: 437 Typ L1



OSRAM

Opto Semiconductors

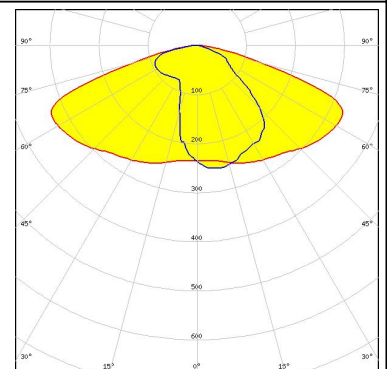
LED Soleriq S13
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.700 cd/lm
 Required components:



OSRAM

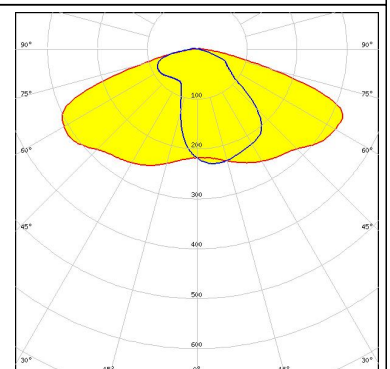
Opto Semiconductors

LED Soleriq S19
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.500 cd/lm
 Required components:



SAMSUNG

LED COB D Series LES 14.5 mm
 FWHM Asymmetric
 Efficiency 87 %
 Peak intensity 0.510 cd/lm
 Required components:



PHOTOMETRIC DATA (MEASURED):

SHARP

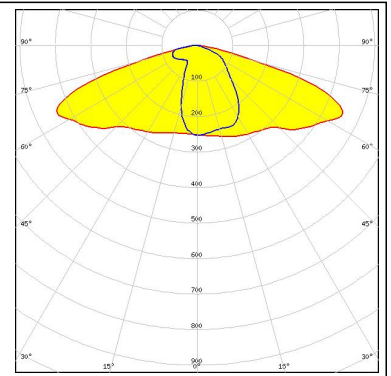
LED Mega Zenigata (GW6DME)

FWHM Asymmetric

Efficiency 90 %

Peak intensity 0.570 cd/lm

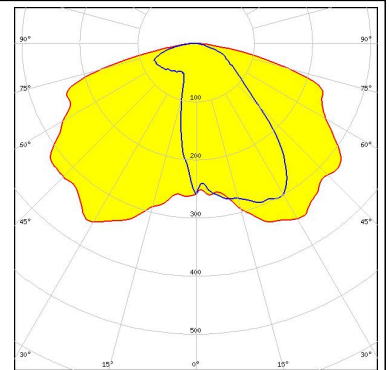
Required components:



PHOTOMETRIC DATA (SIMULATED):

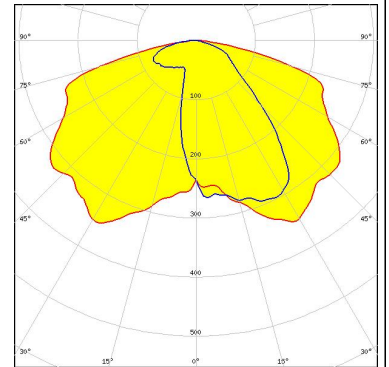
bridgelux

LED V10 Gen7
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.560 cd/lm
 Required components:
 Bender Wirth: 434 Typ L1



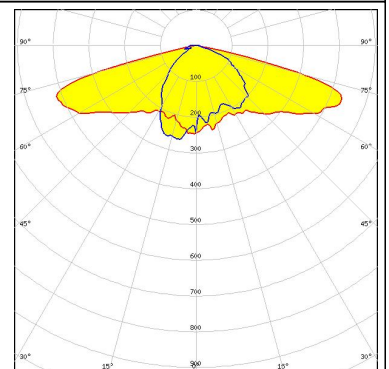
bridgelux

LED V13 Gen7
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.550 cd/lm
 Required components:
 Bender Wirth: 477 Typ L1



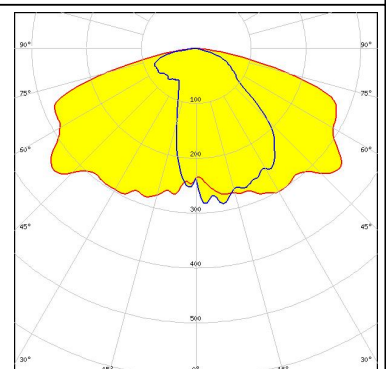
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.730 cd/lm
 Required components:



CITIZEN

LED CLL03x/CLU03x
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.490 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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