

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.

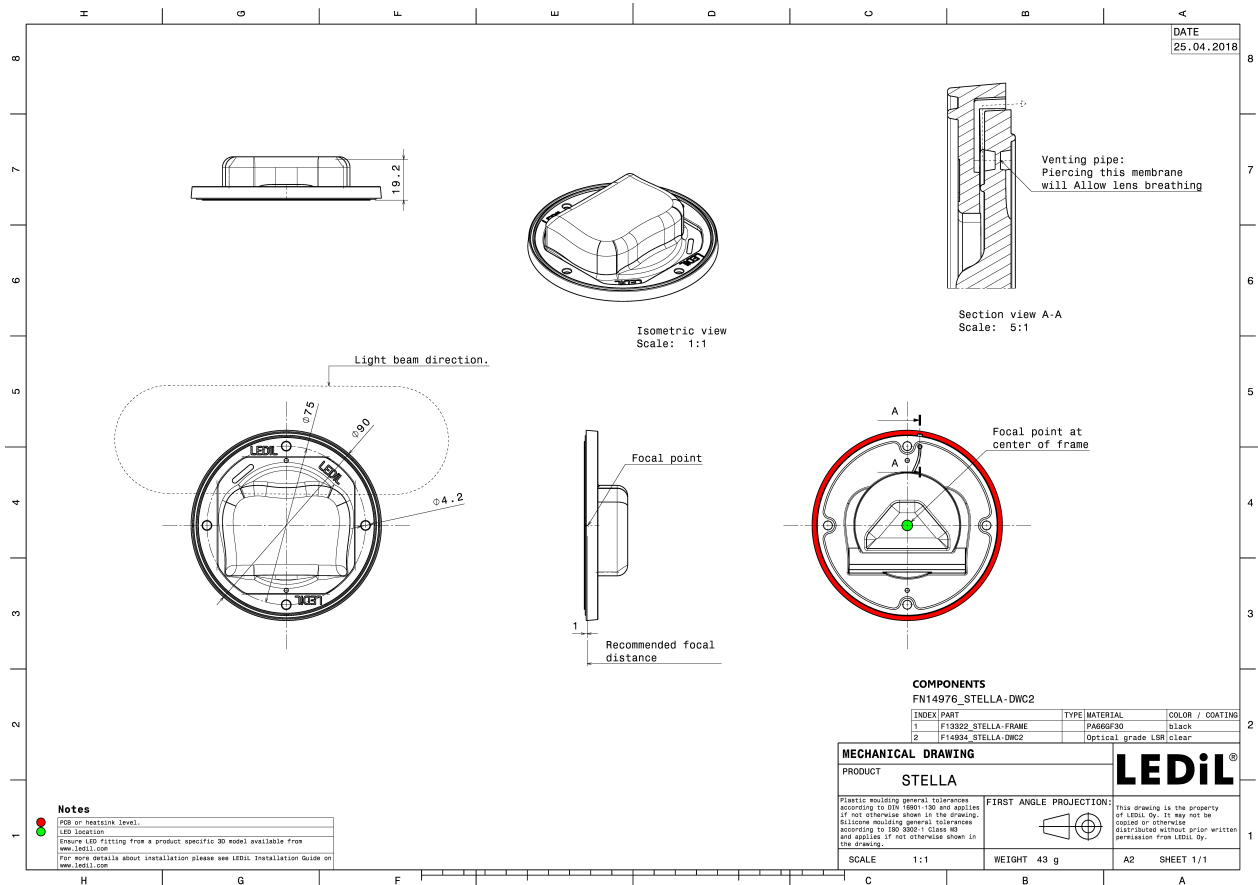
TECHNICAL SPECIFICATIONS:

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:

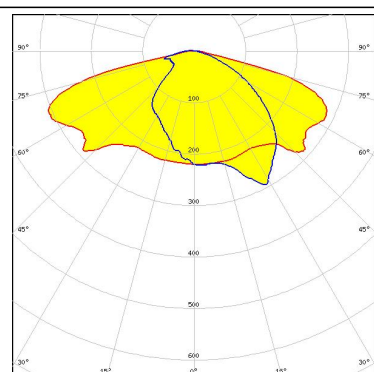
Component	Type	Material	Colour
STELLA-DWC2	Single lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black



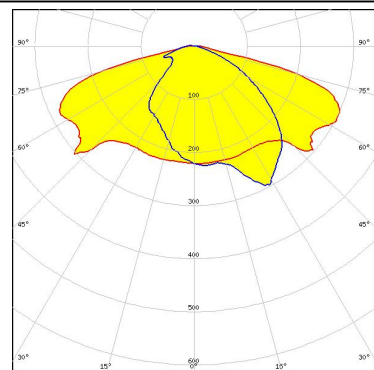
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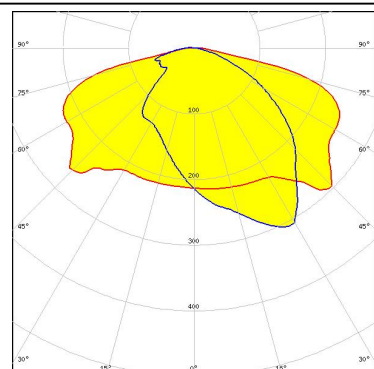
LED V18 Gen7
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.410 cd/lm
LEDs/each optic 1
Light colour White
Required components:



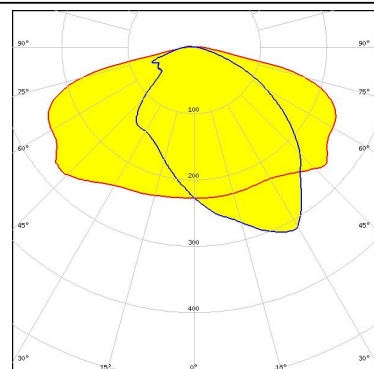
LED V18 Gen7
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 439 Typ L3



LED V22 Gen7
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.360 cd/lm
LEDs/each optic 1
Light colour White
Required components:



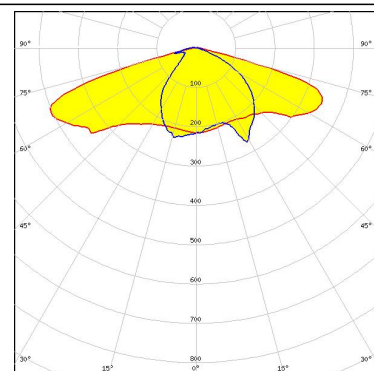
LED V22 Gen7
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.330 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213480-1



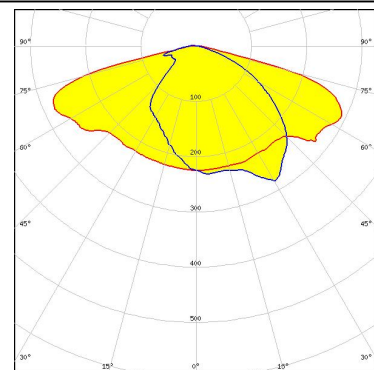
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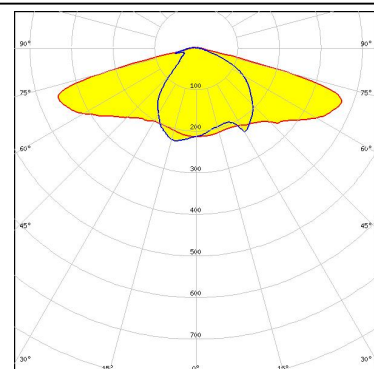
LED Vero SE 13
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.630 cd/lm
LEDs/each optic 1
Light colour White
Required components:



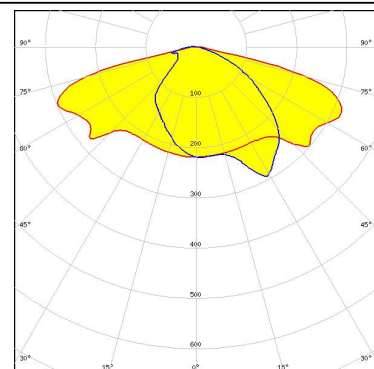
LED Vero SE 18
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.450 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED VERO13
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.610 cd/lm
LEDs/each optic 1
Light colour White
Required components:



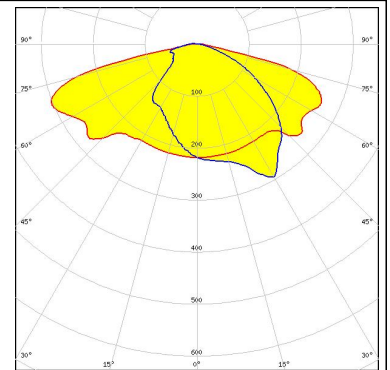
LED VERO18
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.430 cd/lm
LEDs/each optic 1
Light colour White
Required components:



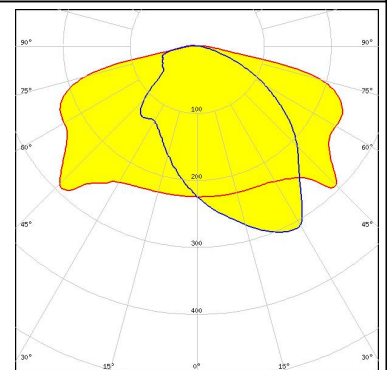
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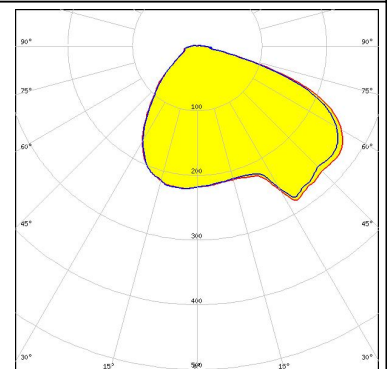
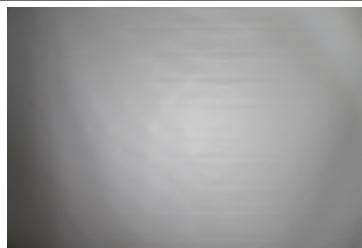
LED CMA2550
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



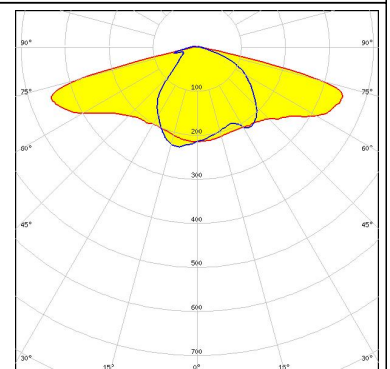
LED CMA3090
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED CMT19xx
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.607 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 477 Typ Z1



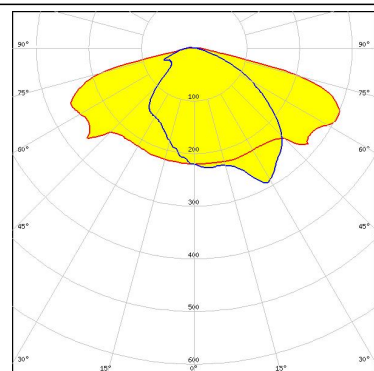
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



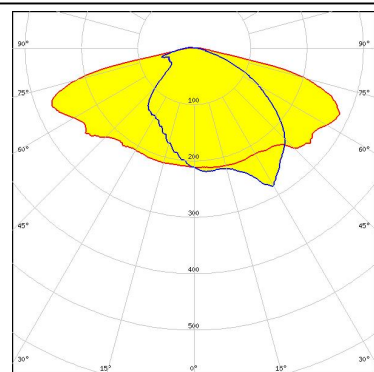
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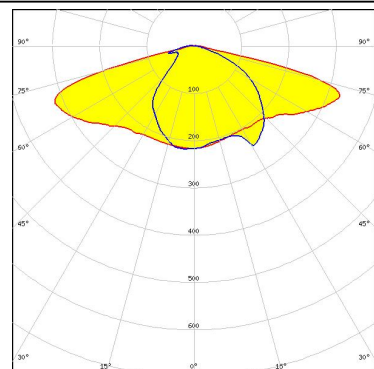
LED CXA/B 25xx
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 439 Typ L3



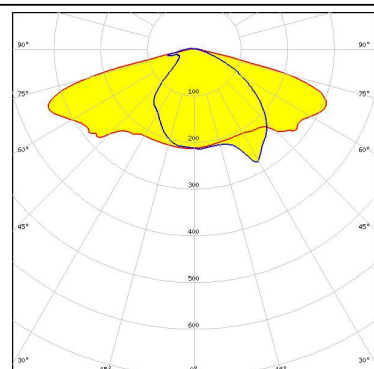
LED CXA/B 25xx
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED COB J-Type
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



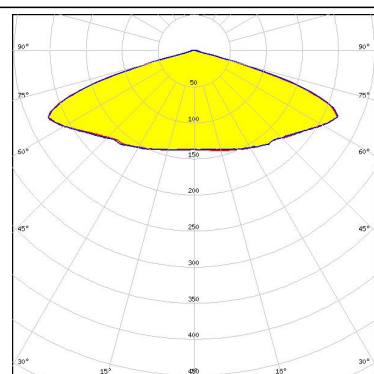
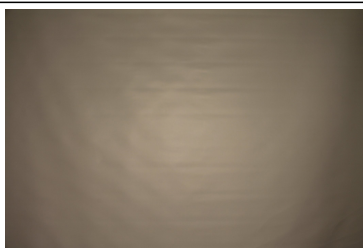
LED Soleriq S19
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.510 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

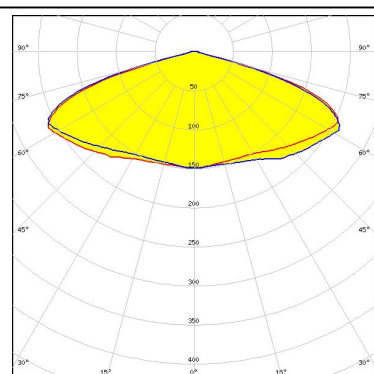
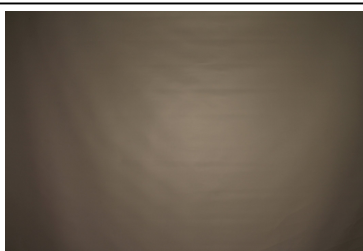
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



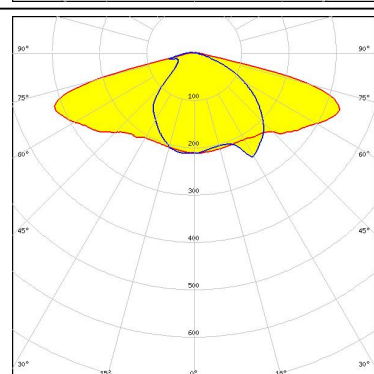
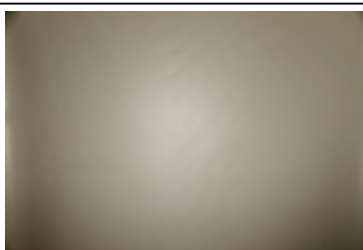
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM Asymmetric
 Efficiency 94 %
 Peak intensity 0.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



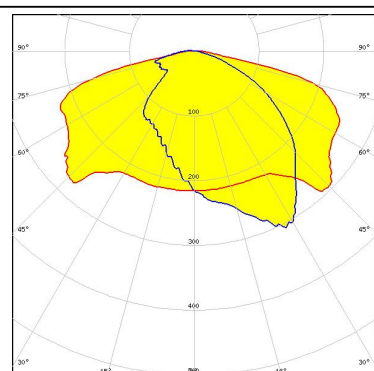
SAMSUNG

LED COB D Series LES 14.5 mm
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

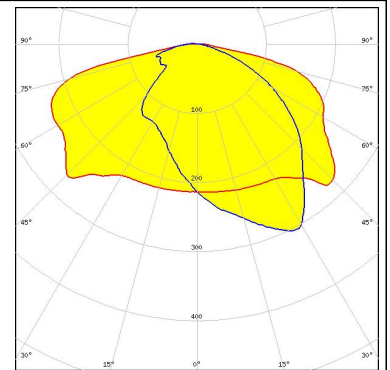
LED COB D Series LES 22 mm
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

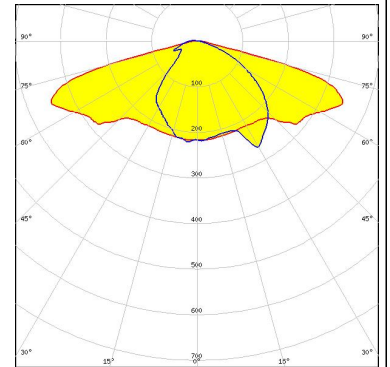
SAMSUNG

LED COB D Series LES 22 mm
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.340 cd/lm
LEDs/each optic 1
Light colour White
Required components:



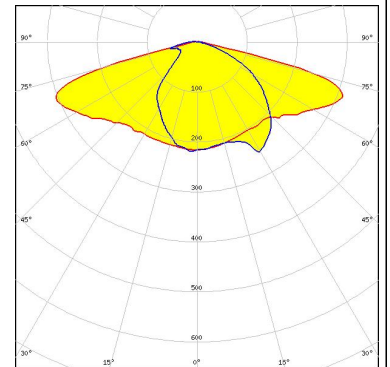
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 433 Typ Z1



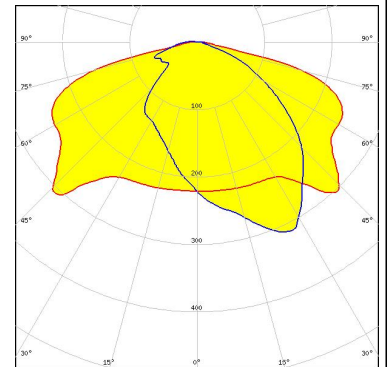
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
FWHM Asymmetric
Efficiency 88 %
Peak intensity 0.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

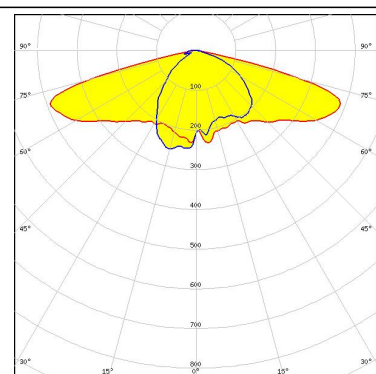
LED MJT COB LES 22
FWHM Asymmetric
Efficiency 90 %
Peak intensity 0.370 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ Z1



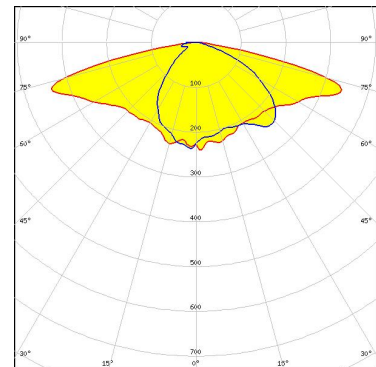
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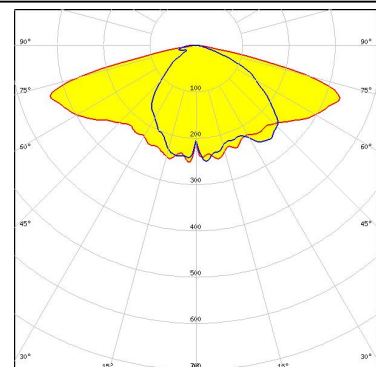
LED V10 Gen7
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.530 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 486 Typ L1



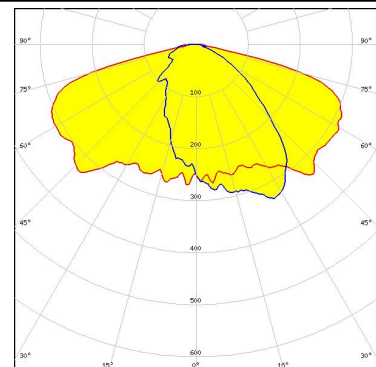
LED V13 Gen7
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED V13 Gen7
FWHM Asymmetric
Efficiency 93 %
Peak intensity 40.494 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 477 Typ Z1



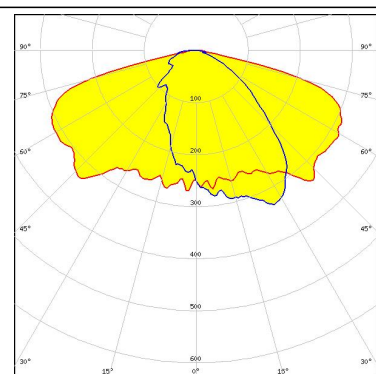
LED V22 Gen7
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.397 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ Z1



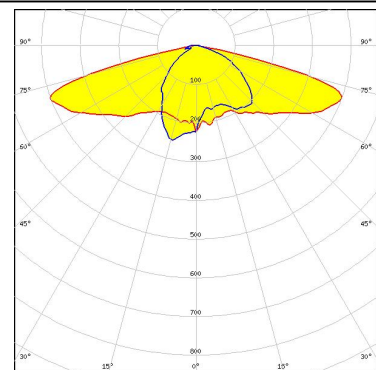
PHOTOMETRIC DATA (SIMULATED):



LED V22 Gen7
FWHM Asymmetric
Efficiency 94 %
Peak intensity 0.397 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 431 Typ Z1

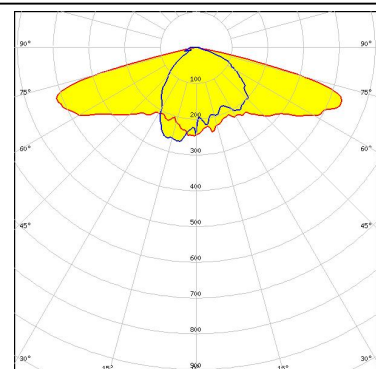


LED VERO10
FWHM Asymmetric
Efficiency 89 %
Peak intensity 0.560 cd/lm
LEDs/each optic 1
Light colour White
Required components:



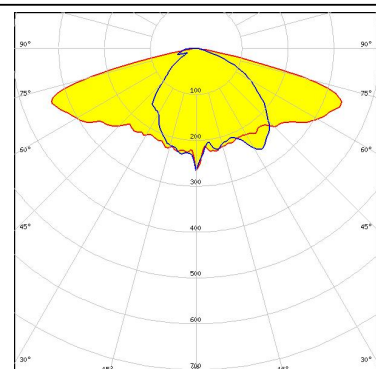
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM Asymmetric
Efficiency 92 %
Peak intensity 0.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CITIZEN

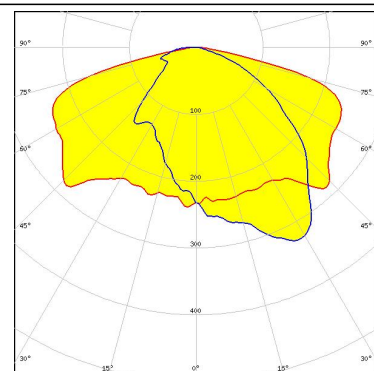
LED CLL03x/CLU03x
FWHM Asymmetric
Efficiency 91 %
Peak intensity 0.520 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

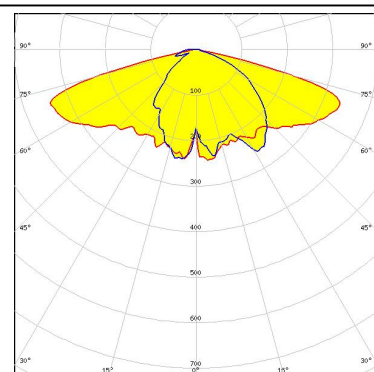
CITIZEN

LED CLL04x/CLU04x
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



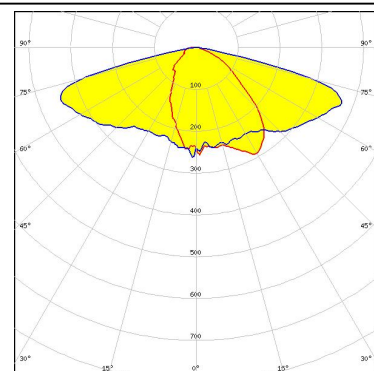
CREE

LED CXA/B 1830
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.540 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



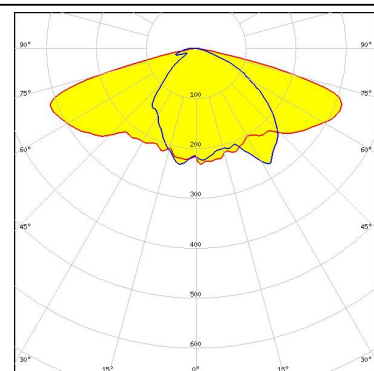
CREE

LED CXA/B 25xx
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.440 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

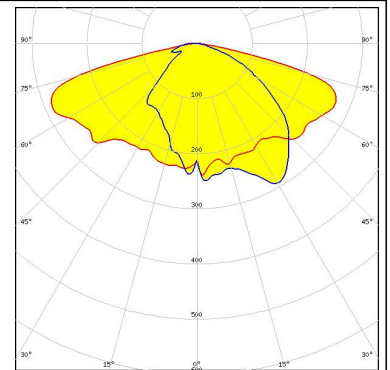
LED LUXEON CoB 1208
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.460 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



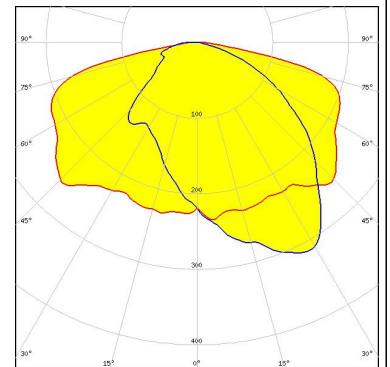
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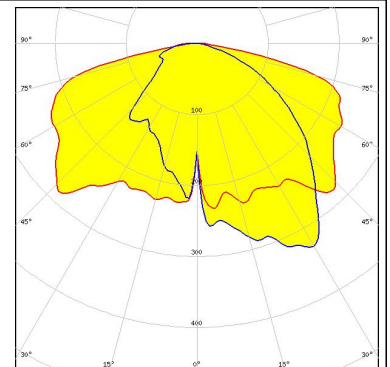
LED LUXEON CoB 1211
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



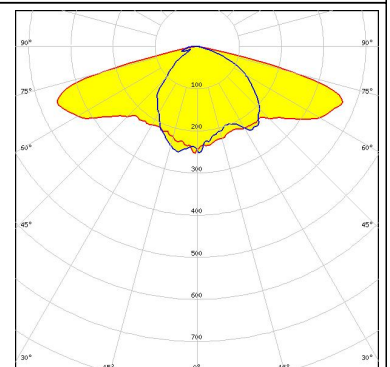
LED LUXEON CoB 1216/1812
 FWHM Asymmetric
 Efficiency 88 %
 Peak intensity 0.330 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



LED CxM-22 (28x28)
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.360 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



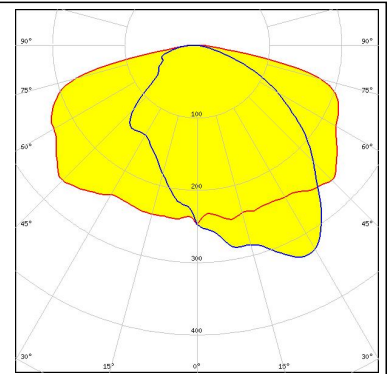
LED Soleriq S13
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.550 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 477 Typ Z1



PHOTOMETRIC DATA (SIMULATED):

PHILIPS

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

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LEDiL Oy

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