

STELLA-DWC2

Universal road lighting (IESNA Type II Medium) beam with excellent mixed illuminance and luminance uniformity. White version. Compatible with up to 23 mm LES size COBs.

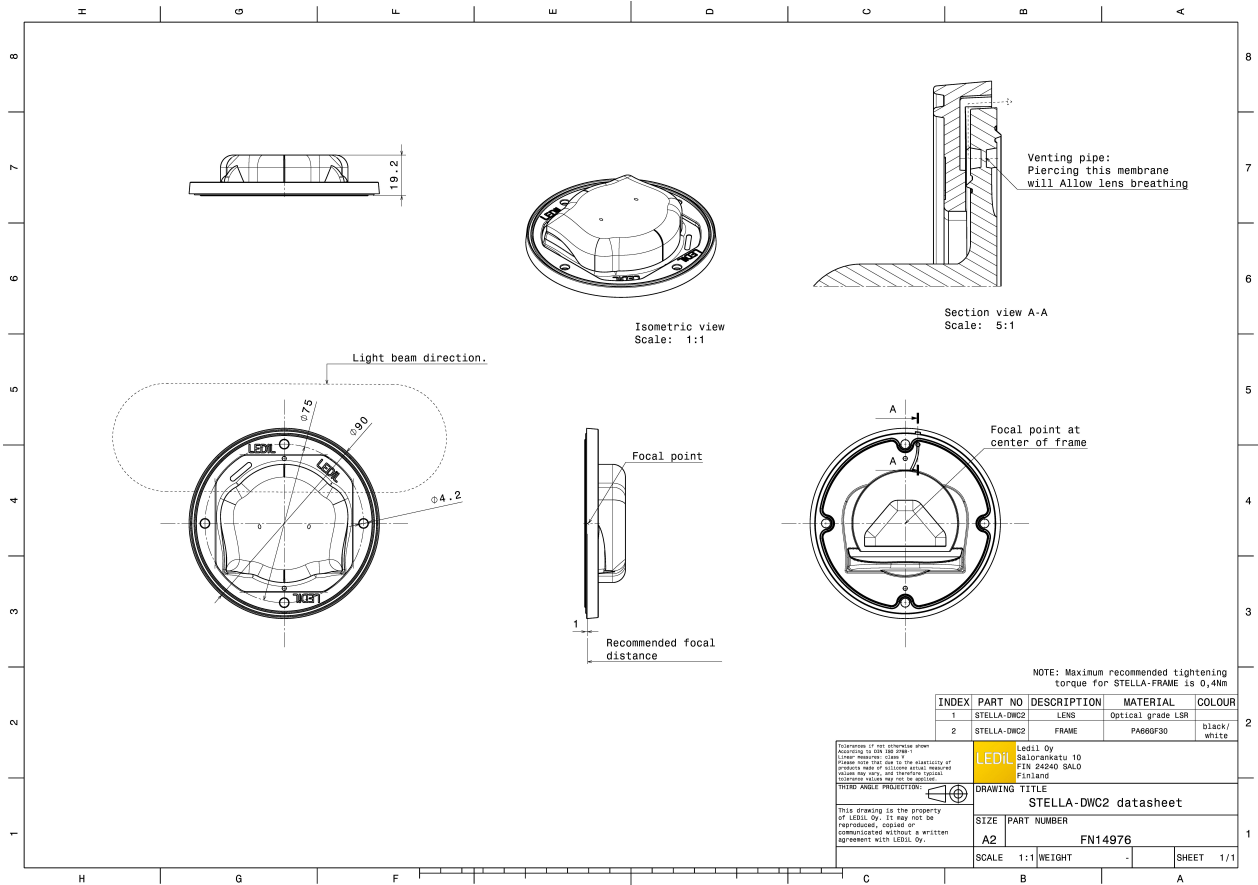
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	19.3 mm
Fastening	screw
Colour	white
Box size	480 x 280 x 300 mm
Box weight	7.1 kg
Quantity in Box	135 pcs
ROHS compliant	yes ⓘ

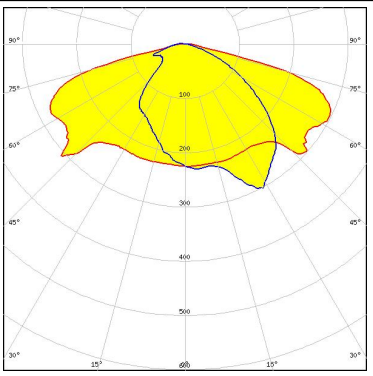
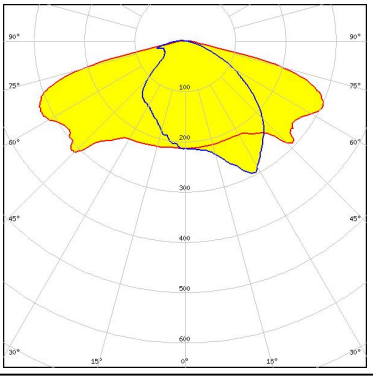
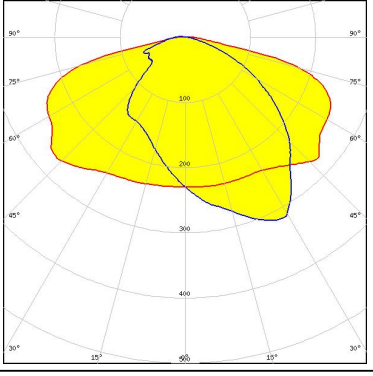
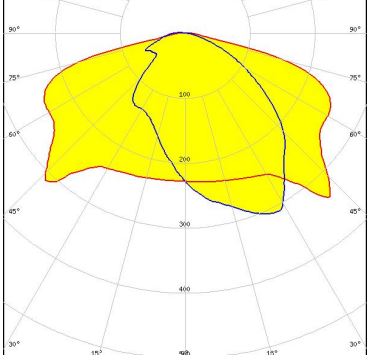


MATERIAL SPECIFICATIONS:

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



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V18 Gen7</p> <p>FWHM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 439 Typ L3</p>	
<p>bridgelux.</p> <p>LED V18 Gen7</p> <p>FWHM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.330 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: TE: 2213480-1</p>	
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.380 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ Z1</p>	

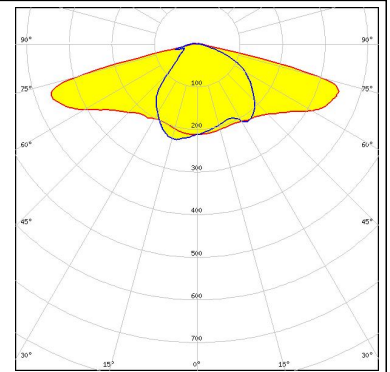
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vero SE 13</p> <p>FWHM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.590 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>bridgelux.</p> <p>LED Vero SE 18</p> <p>FWHM Asymmetric</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.450 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>bridgelux.</p> <p>LED VERO18</p> <p>FWHM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.410 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>CITIZEN</p> <p>LED CLL04x/CLU04x</p> <p>FWHM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.350 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

PHOTOMETRIC DATA (MEASURED):

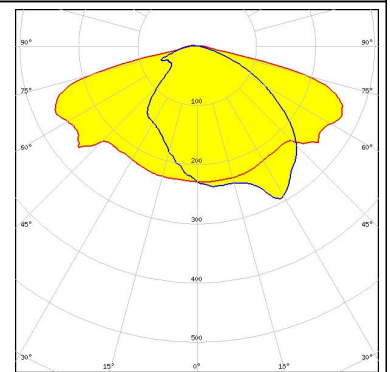
CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



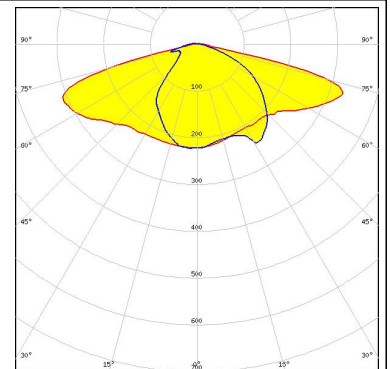
CREE

LED CXA/B 25xx
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 439 Typ L3



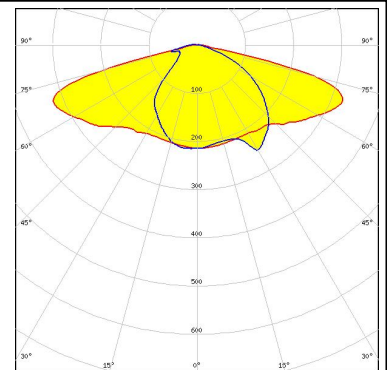
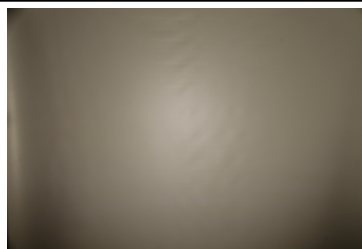
NICHIA

LED COB J-Type
 FWHM Asymmetric
 Efficiency 90 %
 Peak intensity 0.560 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

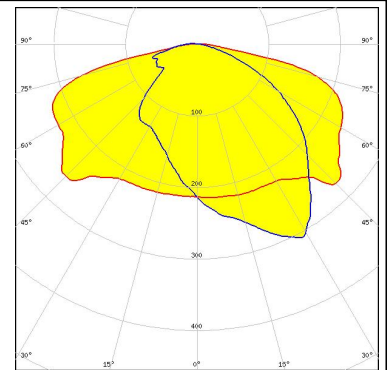
LED COB D Series LES 14.5 mm
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.520 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED COB D Series LES 22 mm
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.340 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



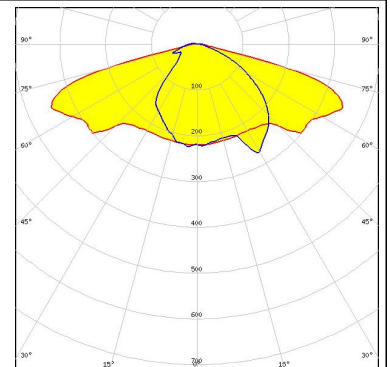
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM Asymmetric
 Efficiency 89 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



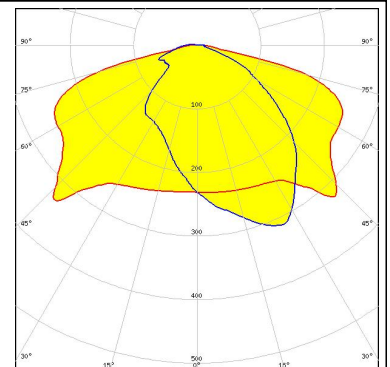
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.500 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 433 Typ Z1

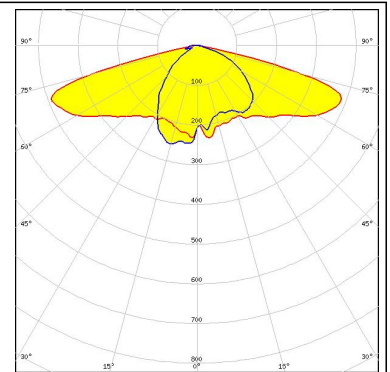
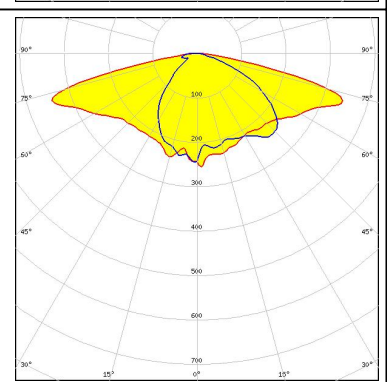
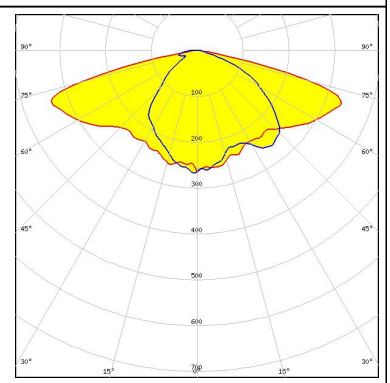
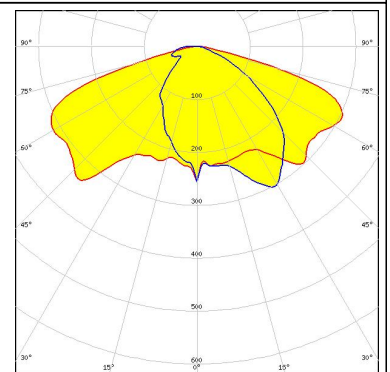


SEOUL SEMICONDUCTOR

LED MJT COB LES 22
 FWHM Asymmetric
 Efficiency 91 %
 Peak intensity 0.370 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>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</p>	
<p>bridgelux.</p> <p>LED V13 Gen7 FWHM Asymmetric Efficiency 93 % Peak intensity 0.000 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>bridgelux.</p> <p>LED V13 Gen7 FWHM Asymmetric Efficiency 94 % Peak intensity 0.497 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 477 Typ Z1</p>	
<p>CREE ⇄</p> <p>LED CXA/B 25xx FWHM Asymmetric Efficiency 89 % Peak intensity 0.430 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

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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