

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. Variant with black frame..

SPECIFICATION:

Dimensions	Ø 90.0 mm
Height	19.3 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes ⓘ

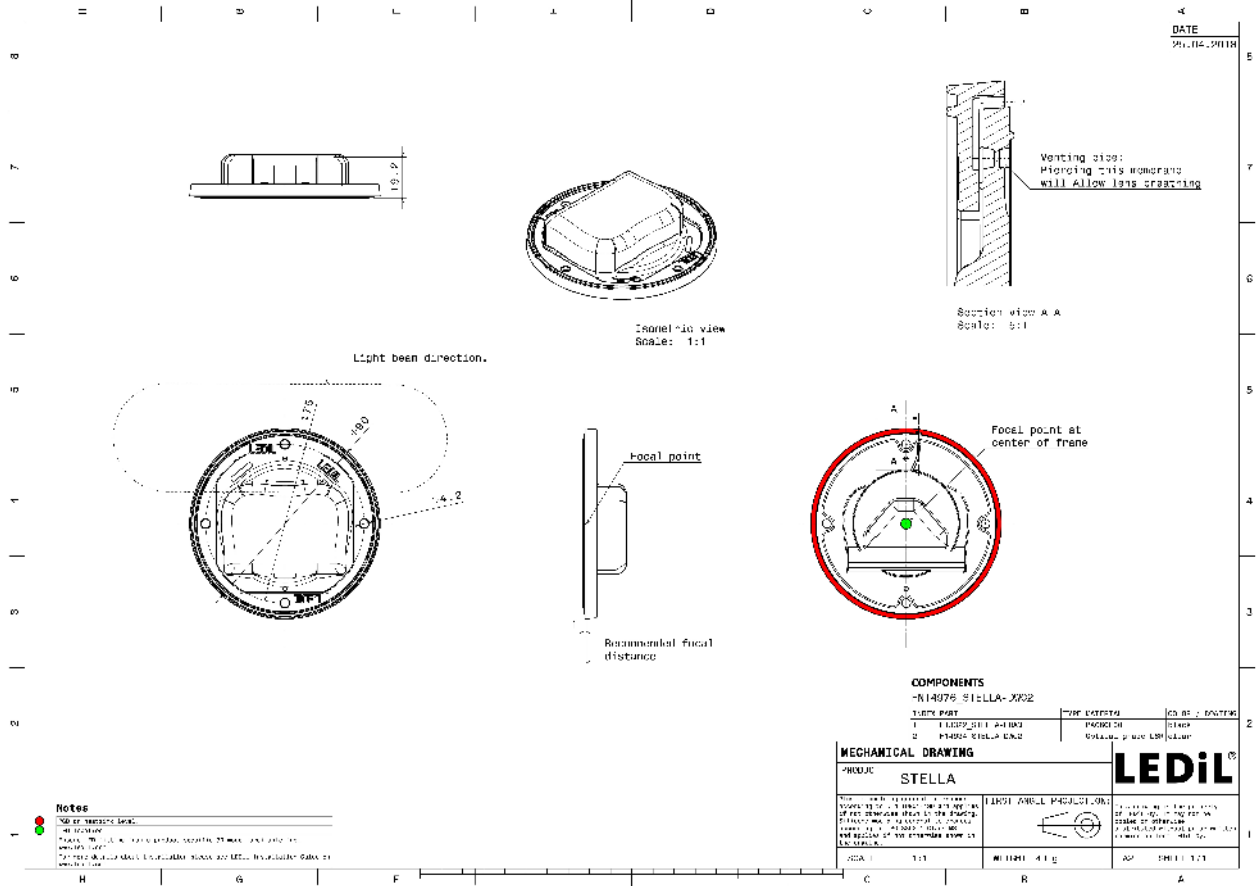


MATERIALS:

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


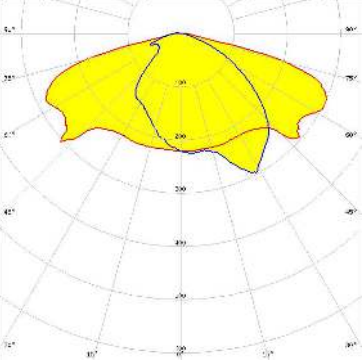

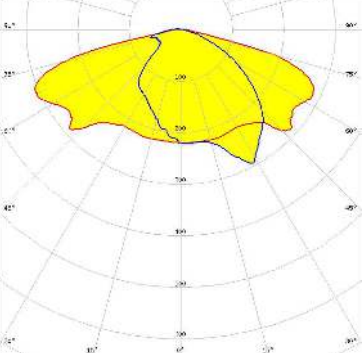

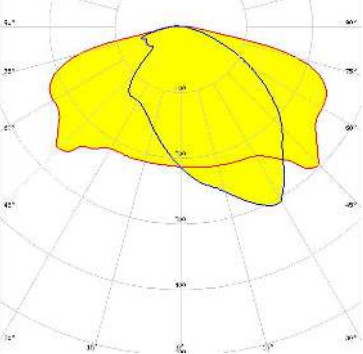

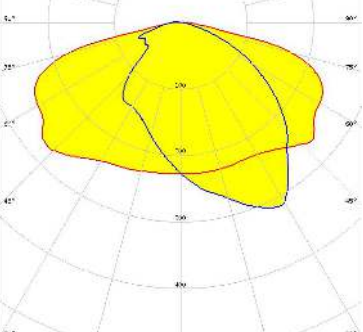
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN14976_STELLA-DWC2	Single lens	135	135	15	7.1
» Box size: 480 x 280 x 300 mm					


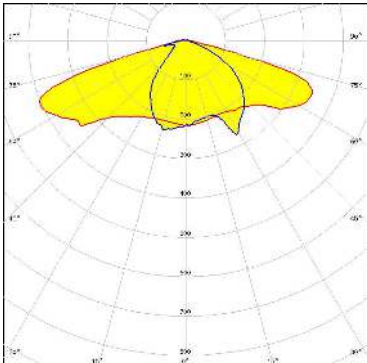

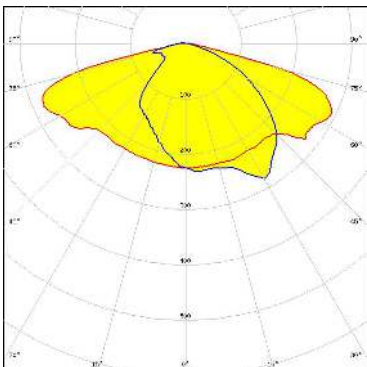

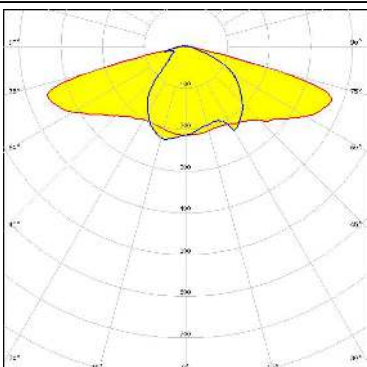

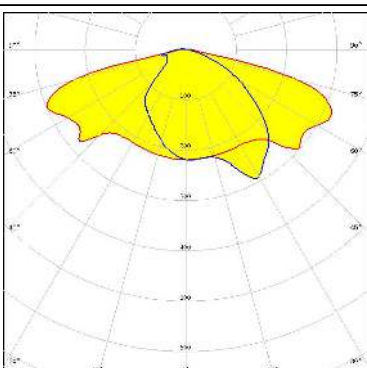


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V18 Gen7 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 439 Typ L3</p>	
<p></p> <p>LED V18 Gen7 FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p></p> <p>LED V22 Gen7 FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p></p> <p>LED V22 Gen7 FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.3 cd/lm LEDs/each optic 1 Light colour White Required components: TE Connectivity: 2213480-1</p>	

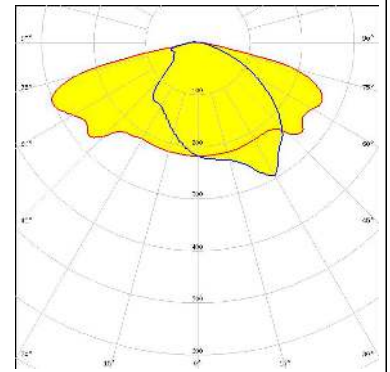
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vero SE 13</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p></p> <p>LED Vero SE 18</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p></p> <p>LED VERO13</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p></p> <p>LED VERO18</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

OPTICAL RESULTS (MEASURED):

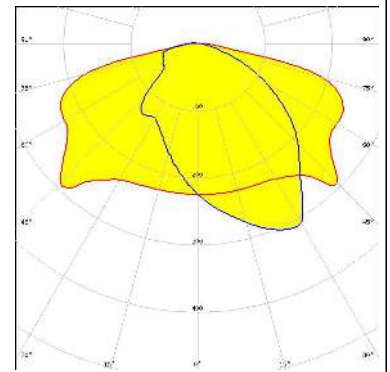
CREE LED

LED CMA2550
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



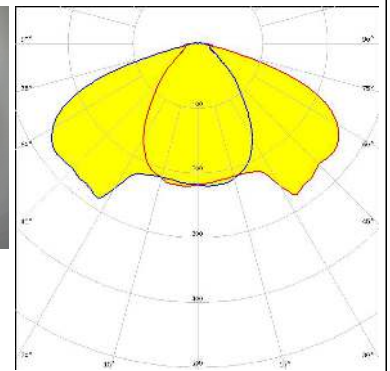
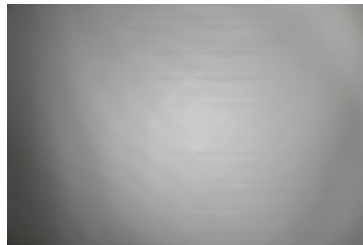
CREE LED

LED CMA3090
 FWHM / FWTM Asymmetric
 Efficiency 89 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



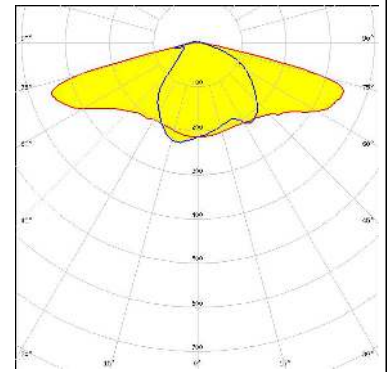
CREE LED

LED CMT19xx
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 477 Typ Z1

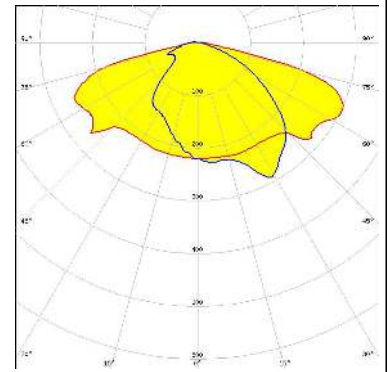
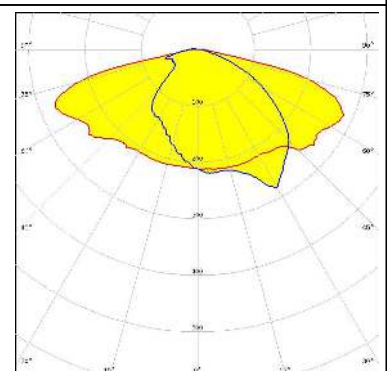
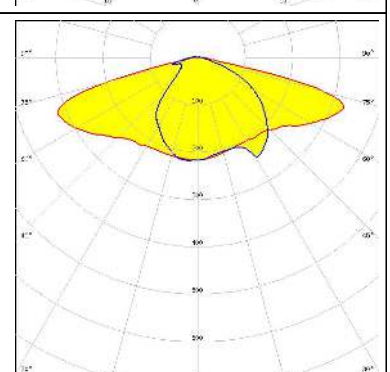
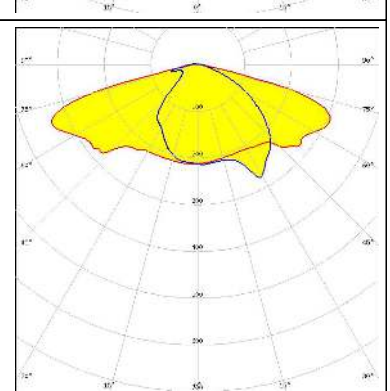


CREE LED

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



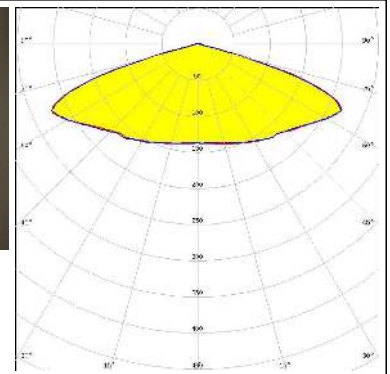
OPTICAL RESULTS (MEASURED):

<p>CREE LED</p> <p>LED CXA/B 25xx FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 439 Typ L3</p>	
<p>CREE LED</p> <p>LED CXA/B 25xx FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED COB J-Type FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Soleriq S19 FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (MEASURED):

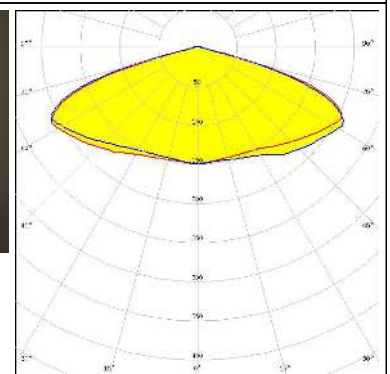
PHILIPS

LED Fortimo SLM L19 CoB
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



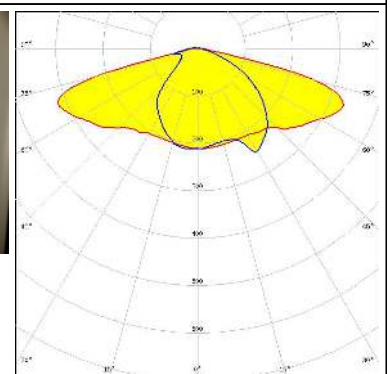
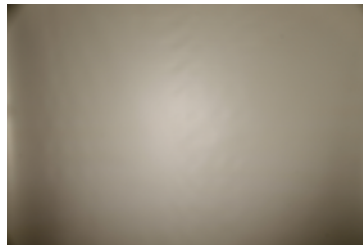
PHILIPS

LED Fortimo SLM L23 CoB
 FWHM / FWTM Asymmetric
 Efficiency 94 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 431 Typ Z1



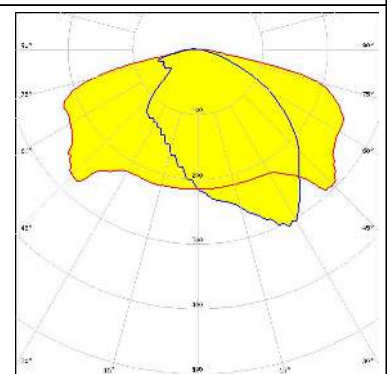
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

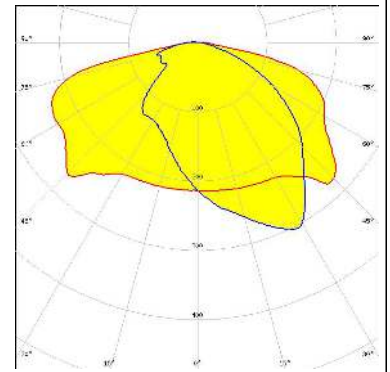
LED LC040D / LC060D / LC080D
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

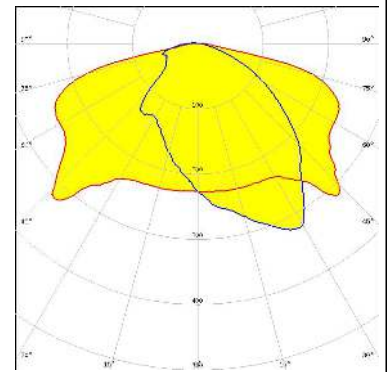
SAMSUNG

LED LC040D / LC060D / LC080D
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 0.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

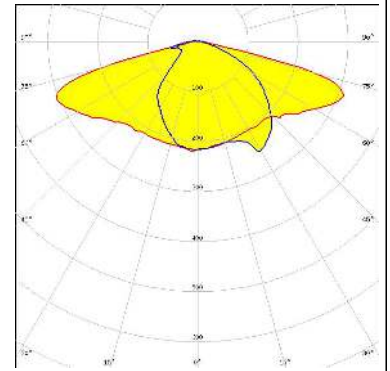


SAMSUNG

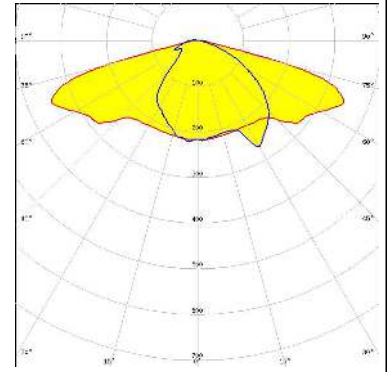
LED LC040D / LC060D / LC080D
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR
 LED MJT COB LES 14.5
 FWHM / FWTM Asymmetric
 Efficiency 88 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




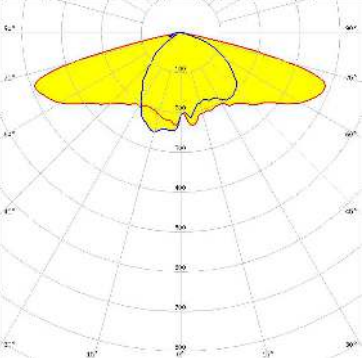

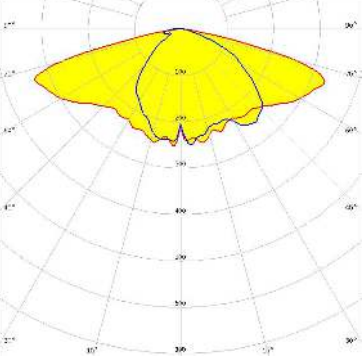

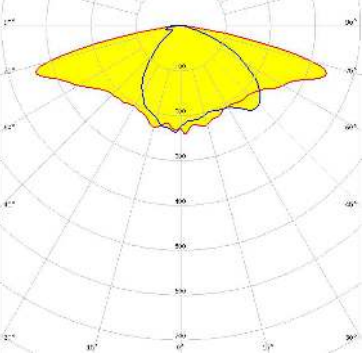

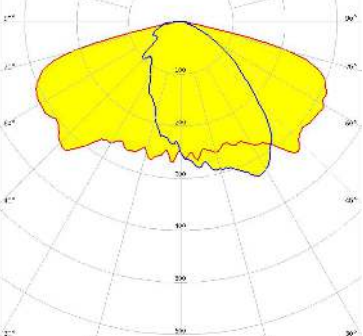
SEOUL SEMICONDUCTOR
 LED MJT COB LES 14.5
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 433 Typ Z1




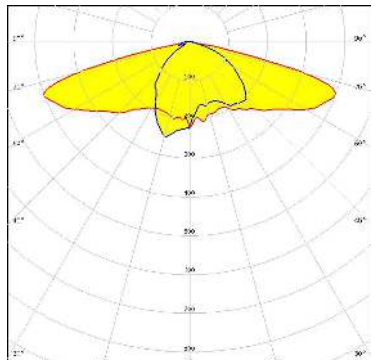
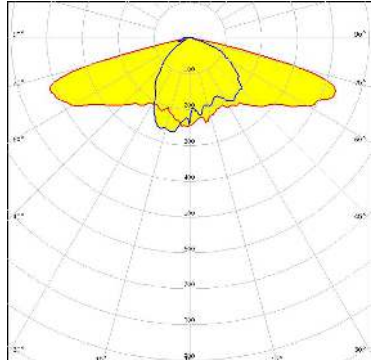
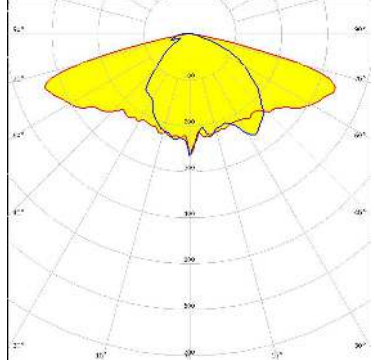
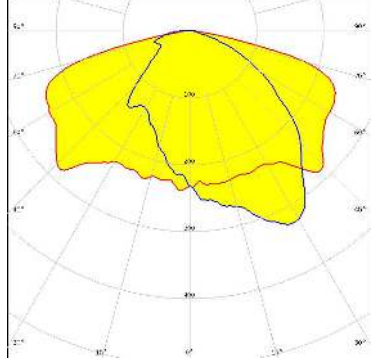
OPTICAL RESULTS (MEASURED):



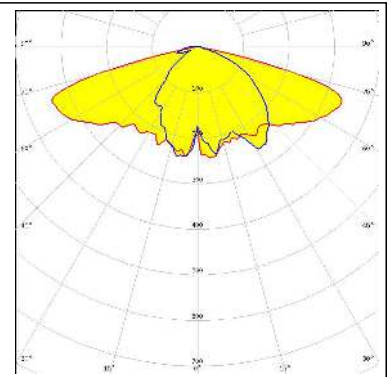
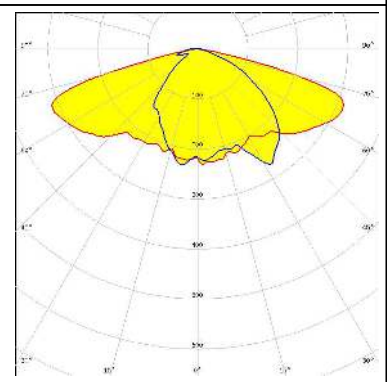
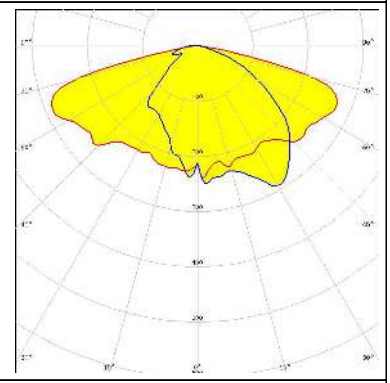
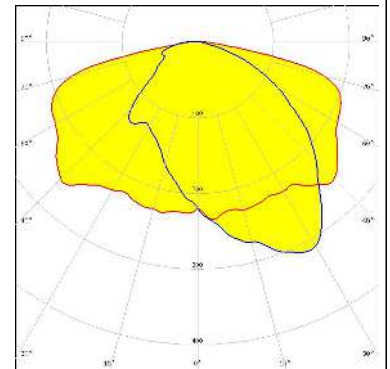
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED V10 Gen7 FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 486 Typ L1</p>	
<p></p> <p>LED V13 Gen7 FWHM / FWTM Asymmetric Efficiency 93 % Peak intensity 40.5 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 477 Typ Z1</p>	
<p></p> <p>LED V13 Gen7 FWHM / FWTM Asymmetric Efficiency 91 % LEDs/each optic 1 Light colour White Required components:</p>	
<p></p> <p>LED V22 Gen7 FWHM / FWTM Asymmetric Efficiency 94 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 431 Typ Z1</p>	

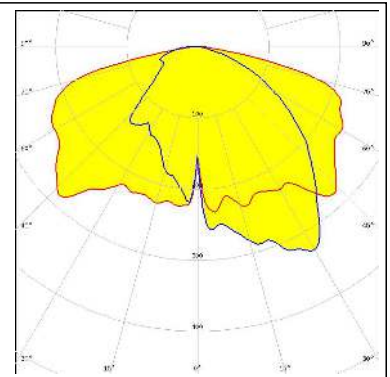
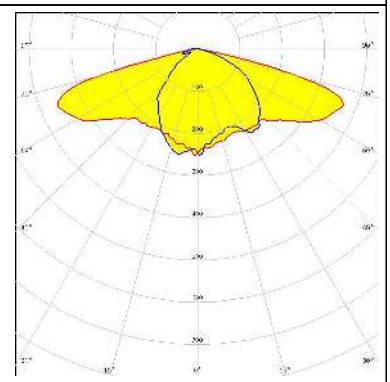
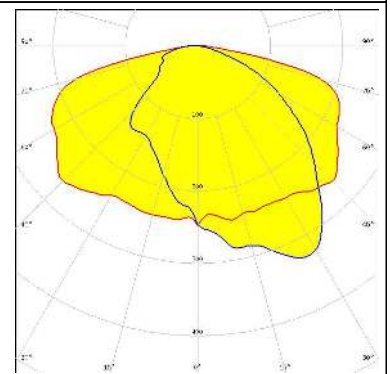
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED VERO10 FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM / FWTM Asymmetric Efficiency 92 % Peak intensity 0.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CITIZEN</p> <p>LED CLL03x/CLU03x FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CITIZEN</p> <p>LED CLL04x/CLU04x FWHM / FWTM Asymmetric Efficiency 91 % Peak intensity 0.4 cd/lm LEDs/each optic 1 Light colour White Required components: Bender Wirth: 431 Typ Z1</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED: CXA/B 1830 FWHM / FWTM: Asymmetric Efficiency: 91 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CoB 1208 FWHM / FWTM: Asymmetric Efficiency: 88 % Peak intensity: 0.5 cd/lm LEDs/each optic: 1 Light colour: White Required components: Bender Wirth: 431 Typ Z1</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CoB 1211 FWHM / FWTM: Asymmetric Efficiency: 89 % Peak intensity: 0.4 cd/lm LEDs/each optic: 1 Light colour: White Required components: Bender Wirth: 431 Typ Z1</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CoB 1213/1216/1812 FWHM / FWTM: Asymmetric Efficiency: 88 % Peak intensity: 0.3 cd/lm LEDs/each optic: 1 Light colour: White Required components: Bender Wirth: 431 Typ Z1</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED CxM-22 (28x28)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 431 Typ Z1</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Soleriq S13</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 477 Typ Z1</p>	
<p>PHILIPS</p> <p>LED Fortimo SLM L23 + SLM holder (PI)</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 91 %</p> <p>Peak intensity 0.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>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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LEDiL Oy

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Hong Kong, China

Distribution Partners

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