

STELLA-HB-WWW

~100° very wide beam for warehouse and outdoor lighting. Compatible with up to 23 mm LES size COBs.

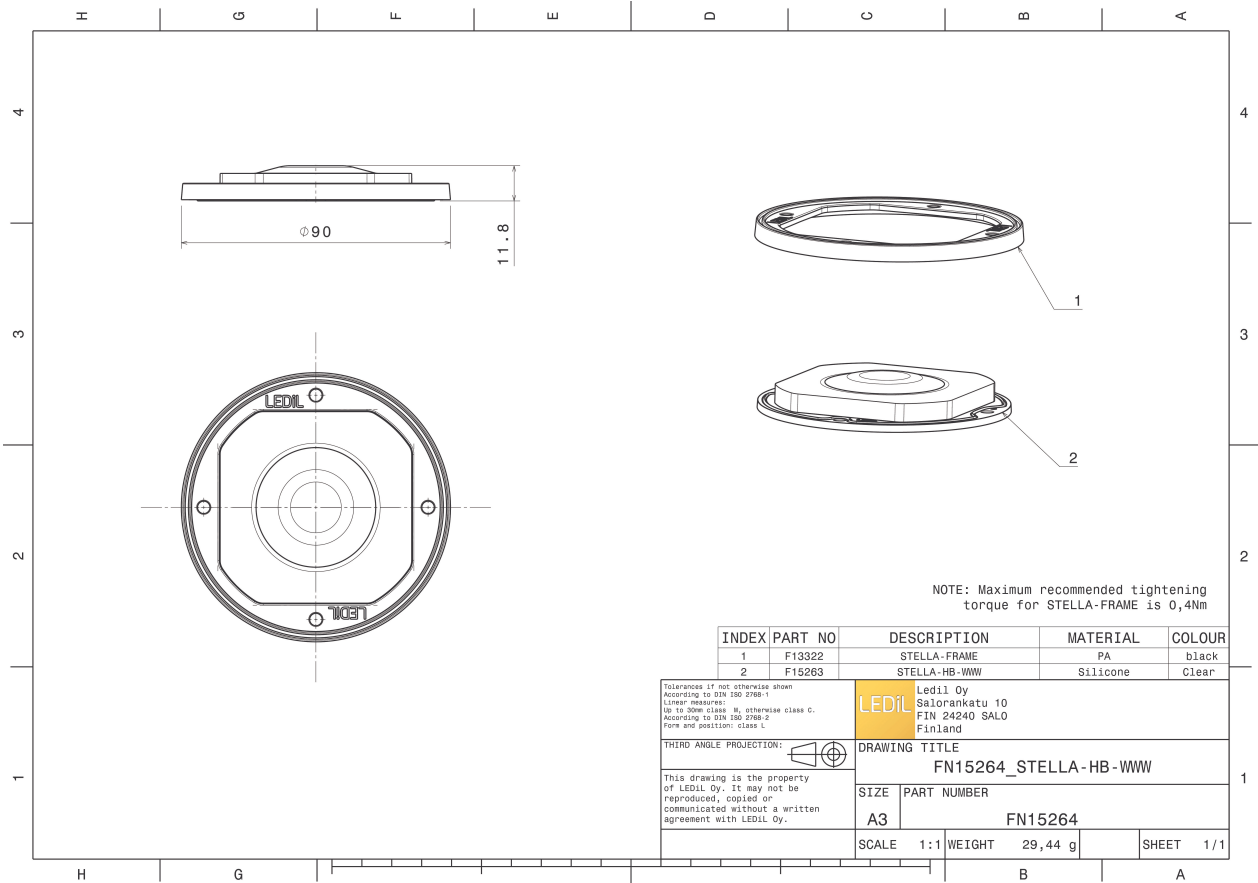
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 90.0 mm
Height	11.3 mm
Fastening	screw
Colour	black
Box size	480 x 280 x 300 mm
Box weight	5 kg
Quantity in Box	135 pcs
ROHS compliant	yes ⓘ


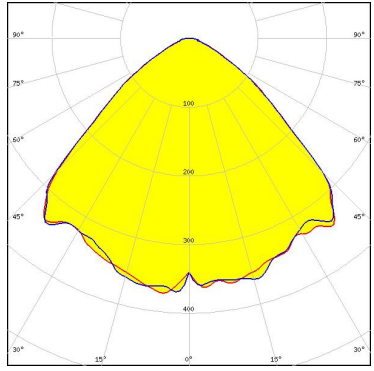
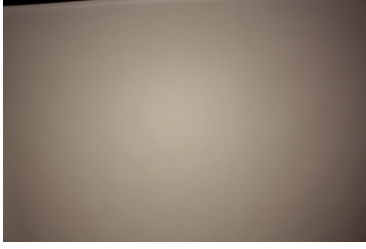
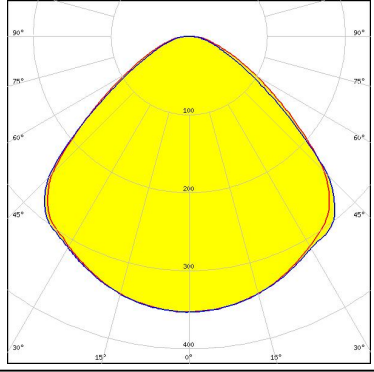
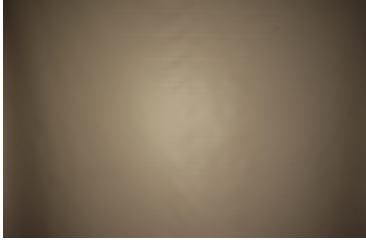
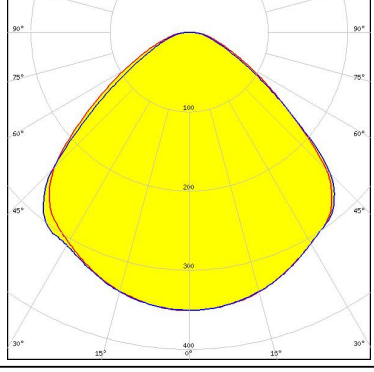
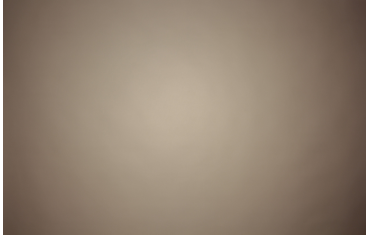
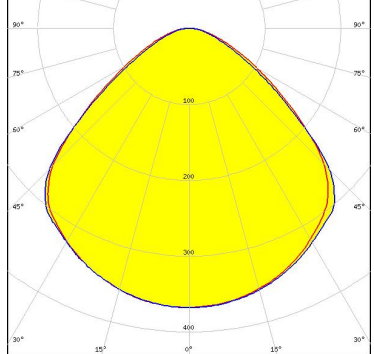


MATERIAL SPECIFICATIONS:


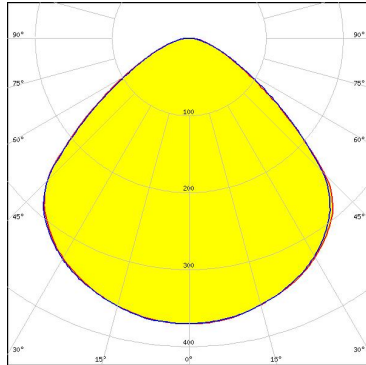
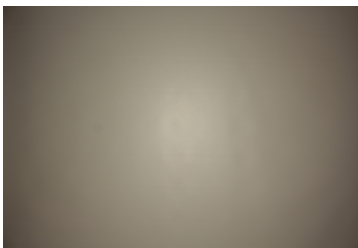
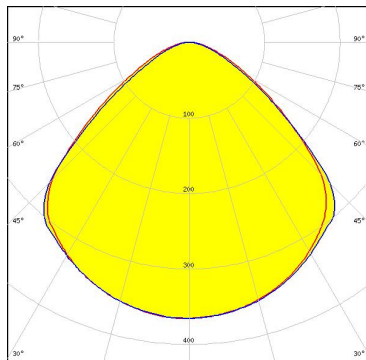

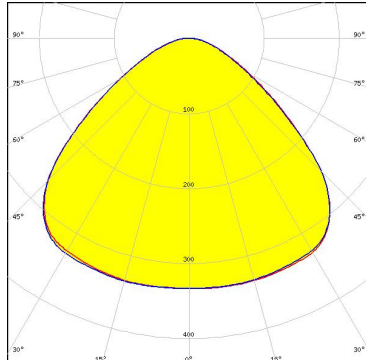
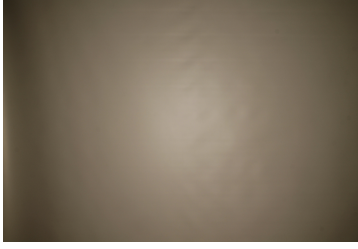
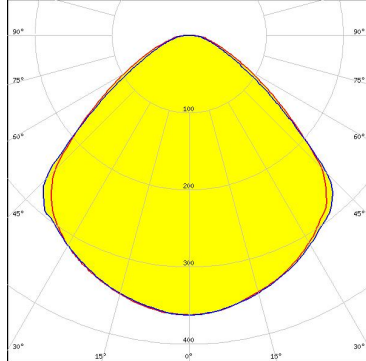
Component	Type	Material	Colour
STELLA-HB-WWW	Lens	Silicone	clear
STELLA-FRAME	Holder	PA66	black



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V18 Gen7</p> <p>FWHM 102.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>Required components:</p> <p>BJB: 47.319.2350</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 102.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.350 cd/lm</p> <p>Required components:</p> <p>Bender Wirth: 431 Typ Z1</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 101.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 0.350 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 102.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>Required components:</p> <p>TE: 2213480-1</p>		

PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vero SE 13</p> <p>FWHM 101.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.370 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED Vero SE 18</p> <p>FWHM 101.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 0.370 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED Vero SE 29</p> <p>FWHM 105.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 0.340 cd/lm</p> <p>Required components:</p>		
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 100.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.360 cd/lm</p> <p>Required components:</p>		

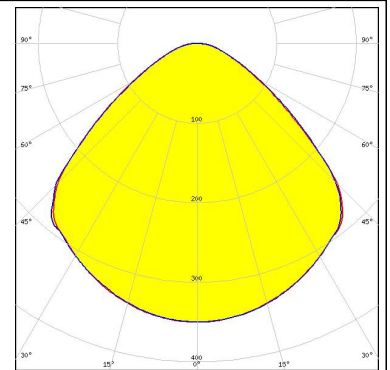
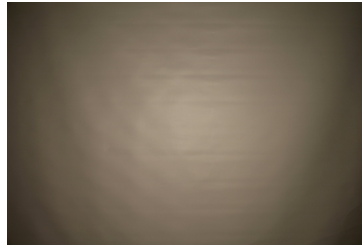
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED VERO18 FWHM 102.0° Efficiency 89 % Peak intensity 0.360 cd/lm Required components:</p>		
<p>bridgelux.</p> <p>LED VERO29 FWHM 103.0° Efficiency 91 % Peak intensity 0.350 cd/lm Required components:</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM 100.0° Efficiency 88 % Peak intensity 0.370 cd/lm Required components:</p>		
<p>CITIZEN</p> <p>LED CLL04x/CLU04x FWHM 102.0° Efficiency 89 % Peak intensity 0.360 cd/lm Required components:</p>		

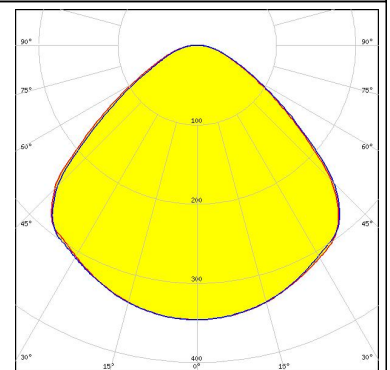
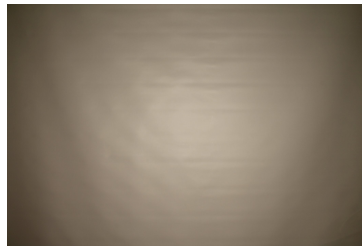
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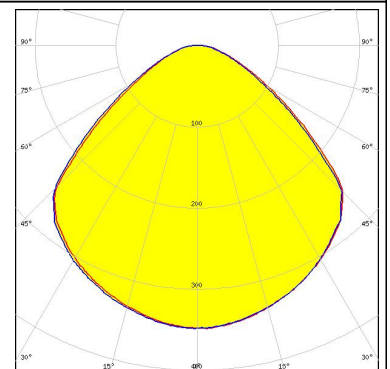
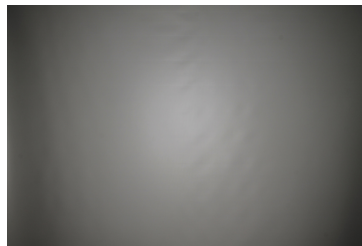
LED CMA2550
 FWHM 102.0°
 Efficiency 88 %
 Peak intensity 0.400 cd/lm
 Required components:



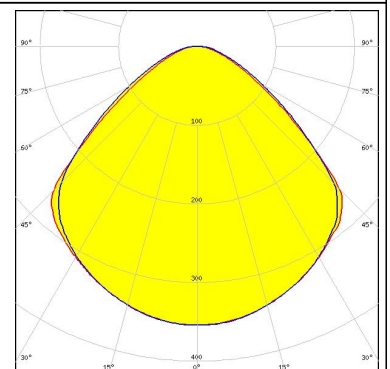
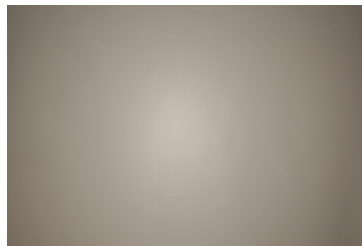
LED CMA3090
 FWHM 102.0°
 Efficiency 88 %
 Peak intensity 0.300 cd/lm
 Required components:



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 102.0°
 Efficiency 87 %
 Peak intensity 0.350 cd/lm
 Required components:



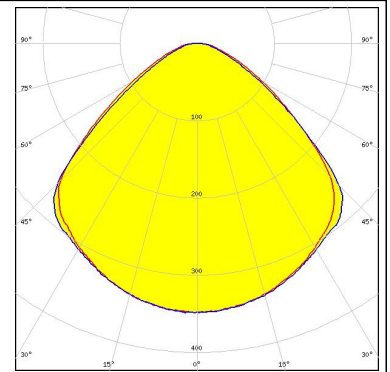
LED CXA/B 1830
 FWHM 102.0°
 Efficiency 88 %
 Peak intensity 0.350 cd/lm
 Required components:
 C14305_STELLA-CLAMP-CXA15-18



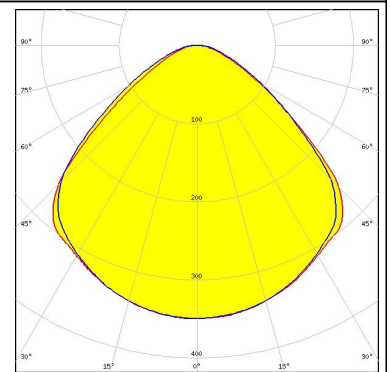
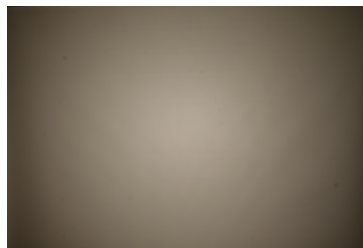
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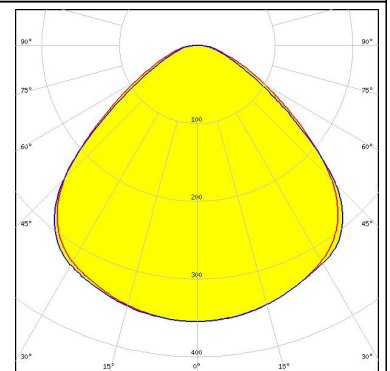
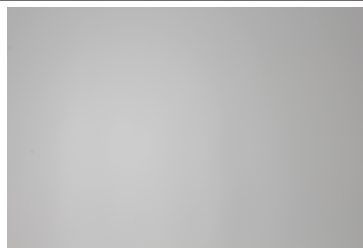
LED CXA/B 25xx
FWHM 102.0°
Efficiency 88 %
Peak intensity 0.350 cd/lm
Required components:



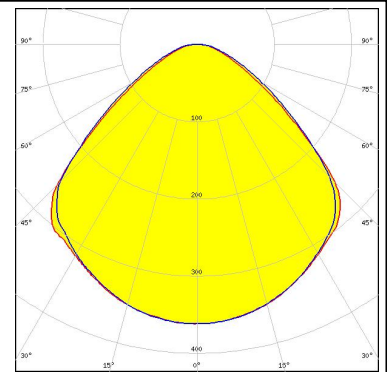
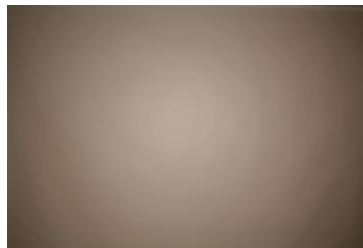
LED CXA/B 30xx
FWHM 102.0°
Efficiency 88 %
Peak intensity 0.350 cd/lm
Required components:




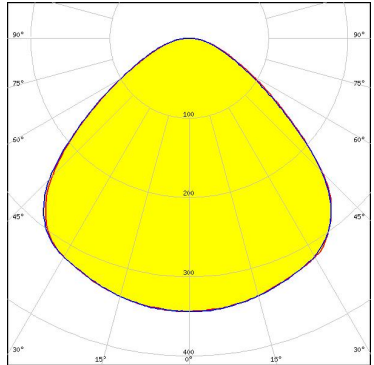
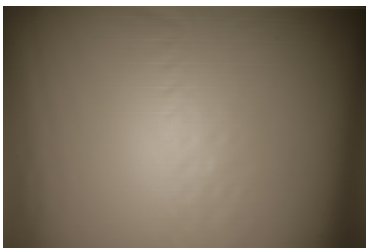
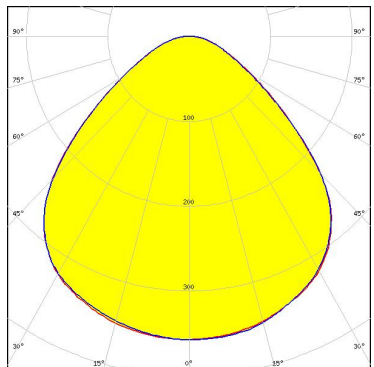

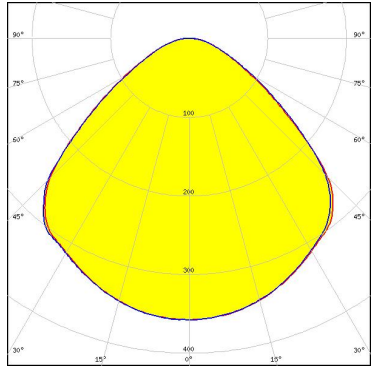
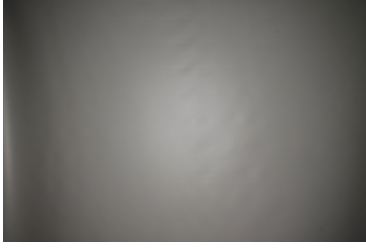
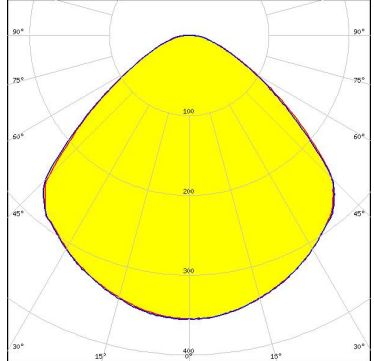
LED CXA/B 3590
FWHM 102.0°
Efficiency 90 %
Peak intensity 0.360 cd/lm
Required components:



LED LUXEON CoB 1211
FWHM 101.0°
Efficiency 89 %
Peak intensity 0.360 cd/lm
Required components:
Bender Wirth: 431 Typ L3



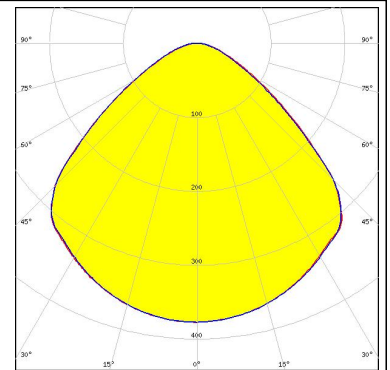
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1321</p> <p>FWHM 102.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.340 cd/lm</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON CoB 1825</p> <p>FWHM 100.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.400 cd/lm</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED COB H-Type</p> <p>FWHM 101.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 0.360 cd/lm</p> <p>Required components:</p>		
<p>NICHIA</p> <p>LED COB J-Type</p> <p>FWHM 102.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.360 cd/lm</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

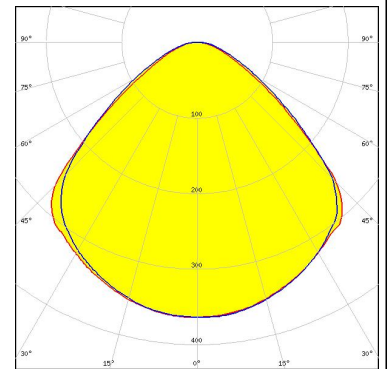
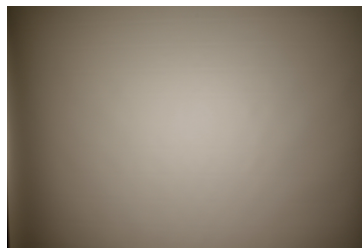
PHILIPS

LED Fortimo SLM L19 Poke-In
 FWHM 101.0°
 Efficiency 93 %
 Peak intensity 0.380 cd/lm
 Required components:



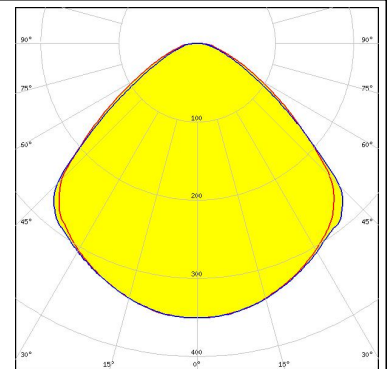
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM 101.0°
 Efficiency 90 %
 Peak intensity 0.450 cd/lm
 Required components:
 Bender Wirth: 433 Typ Z1



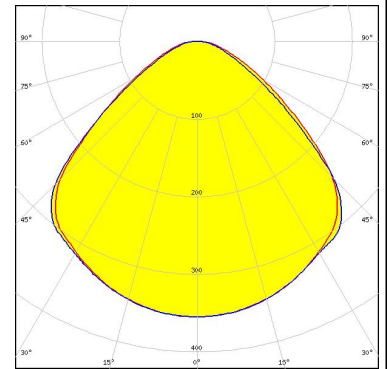
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 FWHM 101.0°
 Efficiency 87 %
 Peak intensity 0.400 cd/lm
 Required components:

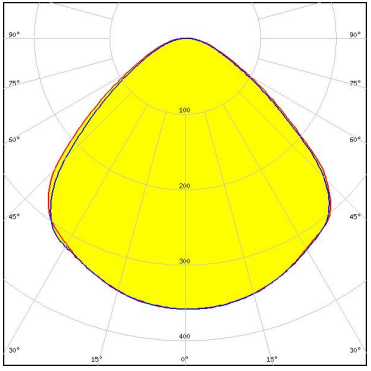

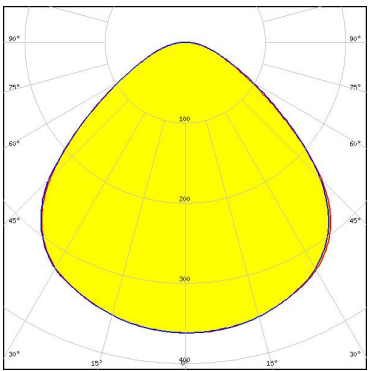


SEOUL SEMICONDUCTOR

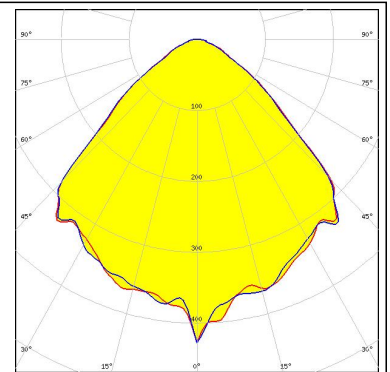
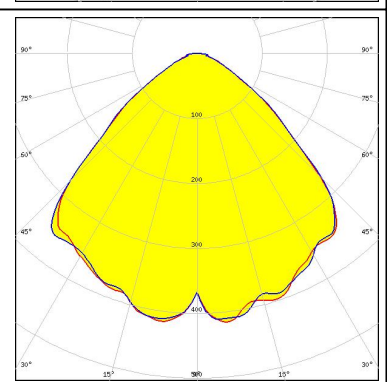
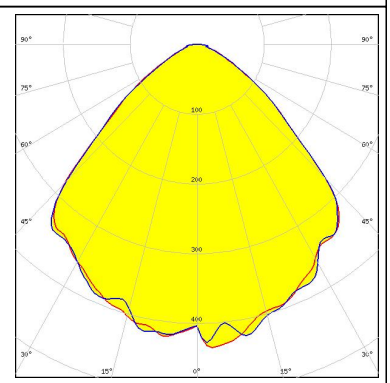
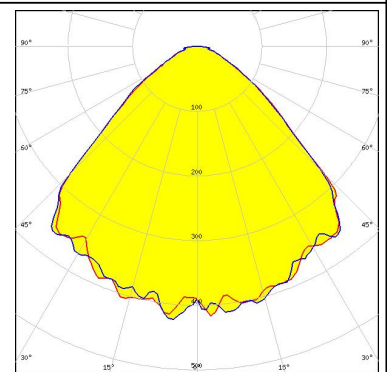
LED MJT COB LES 22
 FWHM 101.0°
 Efficiency 89 %
 Peak intensity 0.360 cd/lm
 Required components:
 Bender Wirth: 431 Typ Z1



PHOTOMETRIC DATA (MEASURED):

 SEOUL SEMICONDUCTOR		
LED	MJT COB LES 22	
FWHM	101.0°	
Efficiency	89 %	
Peak intensity	0.360 cd/lm	
Required components:		
IDEAL: 50-2204CT		
 SEOUL SEMICONDUCTOR		
LED	MJT COB LES 33	
FWHM	101.0°	
Efficiency	90 %	
Peak intensity	0.360 cd/lm	
Required components:		
Bender Wirth: 458 Typ L4		

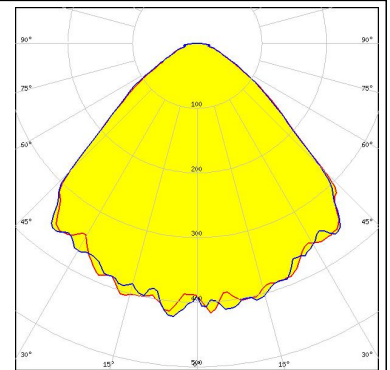
PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V10 Gen7</p> <p>FWHM 95.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 0.430 cd/lm</p> <p>Required components: Bender Wirth: 434 Typ Z1</p>	
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 94.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.440 cd/lm</p> <p>Required components: Bender Wirth: 477 Typ Z1</p>	
<p>bridgelux.</p> <p>LED V13 Gen7</p> <p>FWHM 94.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.448 cd/lm</p> <p>Required components:</p>	
<p>bridgelux.</p> <p>LED V22 Gen7</p> <p>FWHM 96.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.457 cd/lm</p> <p>Required components: IDEAL: 50-2204CT</p>	

PHOTOMETRIC DATA (SIMULATED):

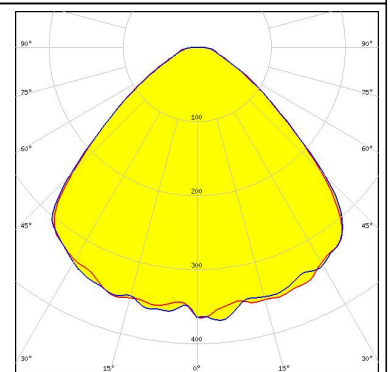


LED V22 Gen7
 FWHM 94.0°
 Efficiency 94 %
 Peak intensity 0.457 cd/lm
 Required components:
 Bender Wirth: 431 Typ Z1

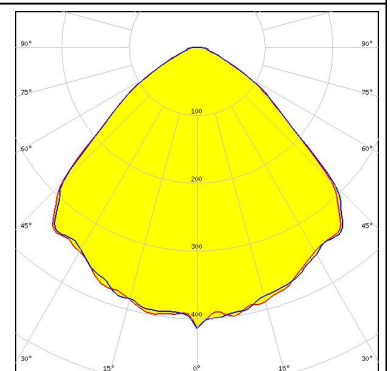


CITIZEN

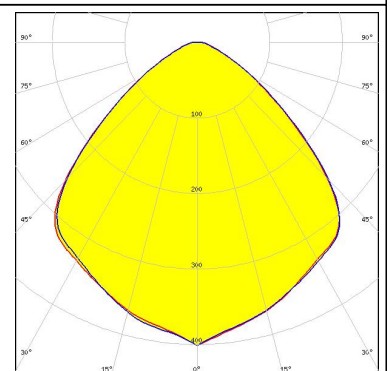
LED CLL05x/CLU05x
 FWHM 97.0°
 Efficiency 87 %
 Peak intensity 0.380 cd/lm
 Required components:



LED CMA3090
 FWHM 97.0°
 Efficiency 94 %
 Peak intensity 0.420 cd/lm
 Required components:



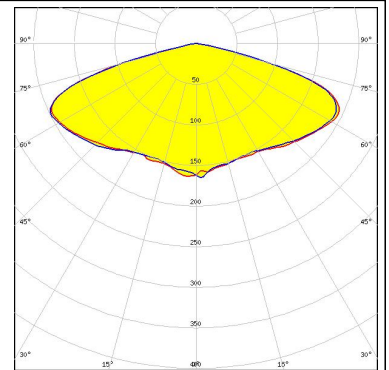
LED CXA/B 25xx
 FWHM 98.0°
 Efficiency 89 %
 Peak intensity 0.400 cd/lm
 Required components:



PHOTOMETRIC DATA (SIMULATED):

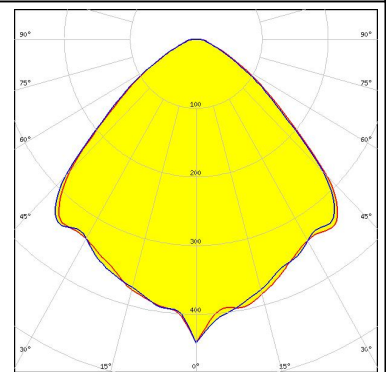
LUMILEDS

LED LUXEON CoB 1216/1812
FWHM 99.0°
Efficiency 87 %
Peak intensity 0.360 cd/lm
Required components:



TRIDONIC

LED SLE G6 LES19
FWHM 96.0°
Efficiency 94 %
Peak intensity 0.440 cd/lm
Required components:
Bender Wirth: 466 Typ L4



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

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

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