

CARMEN-W-C

~55° wide beam. Assembly with holder C compatible with LEDiL HEKLA.

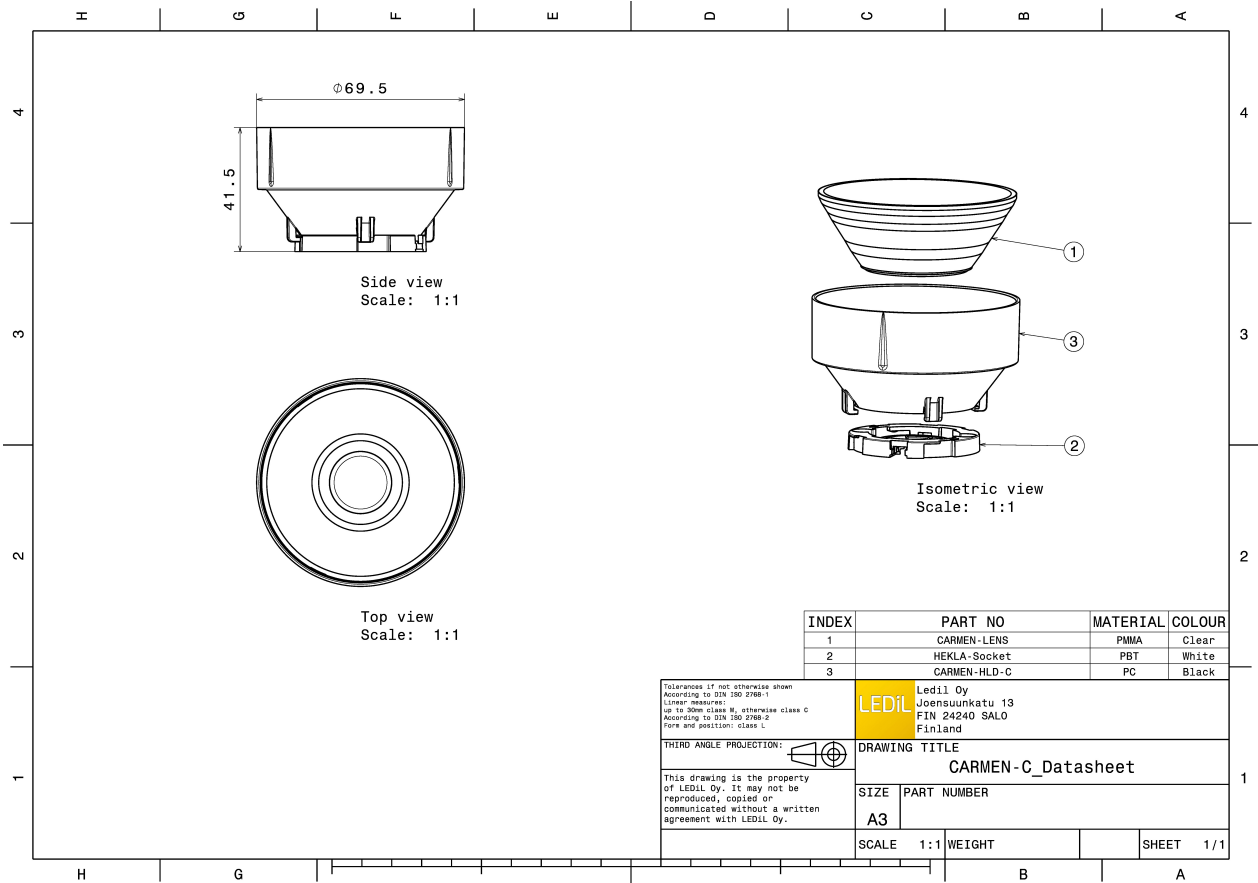
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	4.5 kg
Quantity in Box	150 pcs
ROHS compliant	yes ⓘ


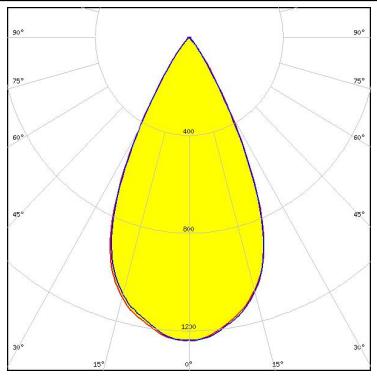
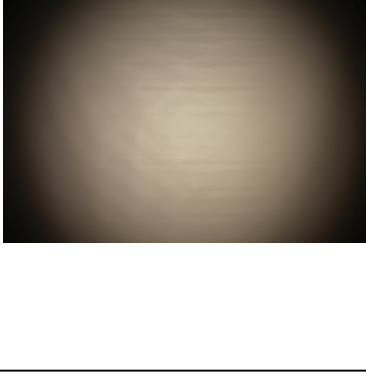
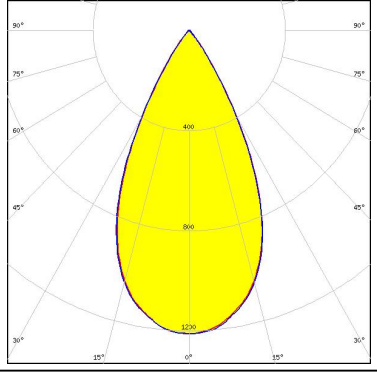
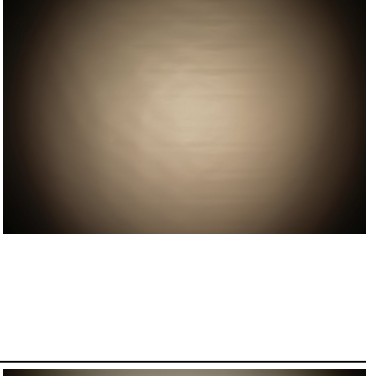
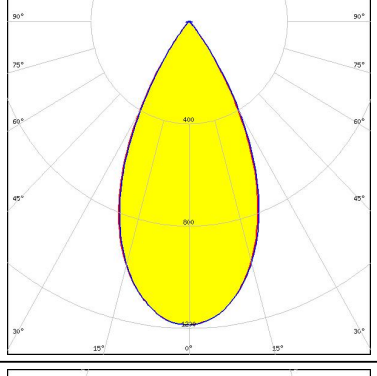
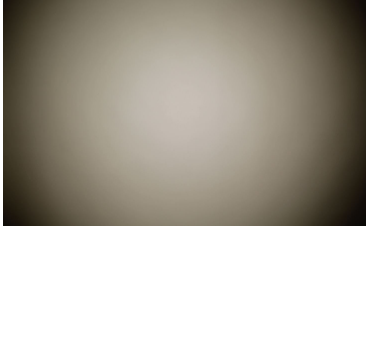
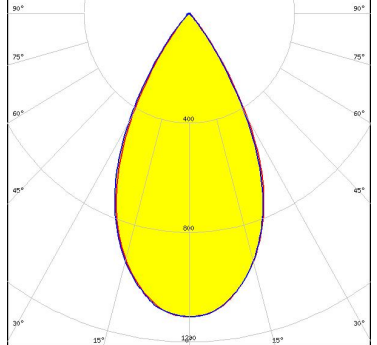


MATERIAL SPECIFICATIONS:


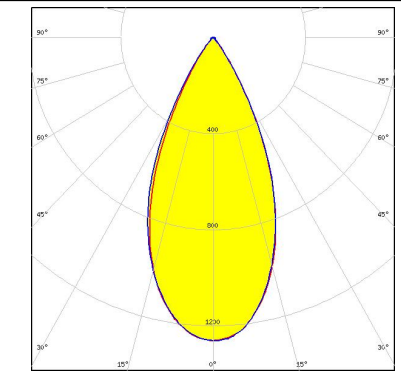
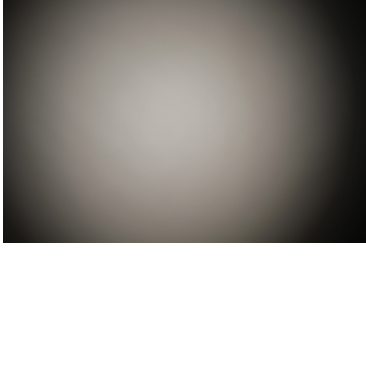
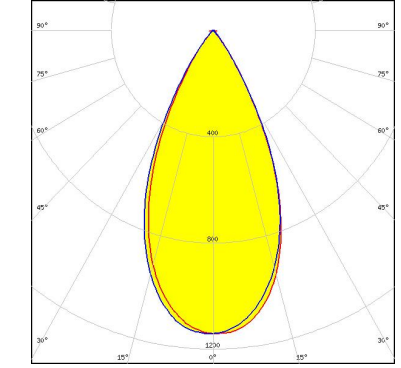
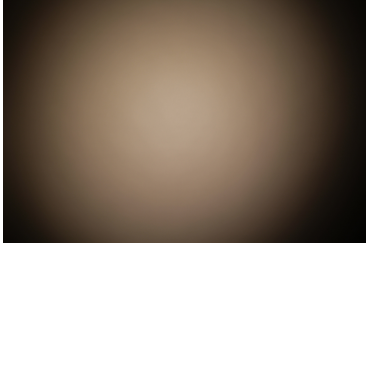
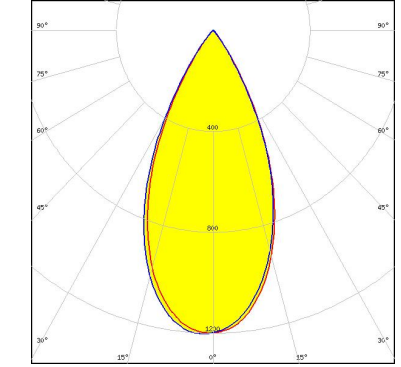

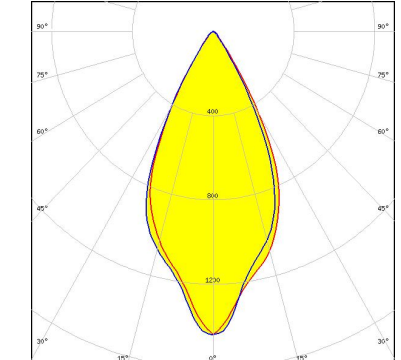
Component	Type	Material	Colour
CARMEN-W	Single lens	PMMA	clear
CARMEN-HLD-C	Holder	PC	



PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V4 HD FWHM 52.0° Efficiency 85 % Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White Required components: F15253_HEKLA-SOCKET-A</p>		
<p>bridgelux.</p> <p>LED V6 HD FWHM 52.0° Efficiency 83 % Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>bridgelux.</p> <p>LED V9 HD FWHM 52.0° Efficiency 81 % Peak intensity 1.190 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>		
<p>bridgelux.</p> <p>LED VERO10 FWHM 55.0° Efficiency 83 % Peak intensity 6.900 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

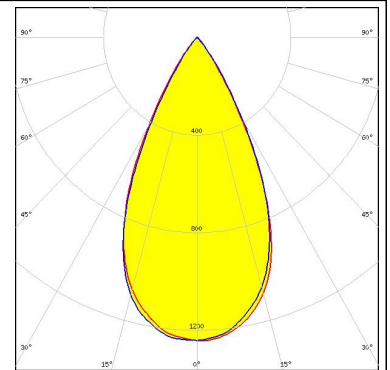
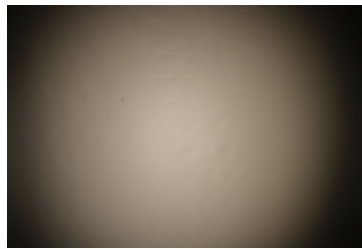
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED Vesta DTW 9mm (4W/6W/12W)</p> <p>FWHM 48.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.300 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 9mm (12W) CSP</p> <p>FWHM 50.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLC020 Series (Dim-To-Warm)</p> <p>FWHM 48.0°</p> <p>Efficiency 75 %</p> <p>Peak intensity 1.200 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10)</p> <p>FWHM 54.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

PHOTOMETRIC DATA (MEASURED):

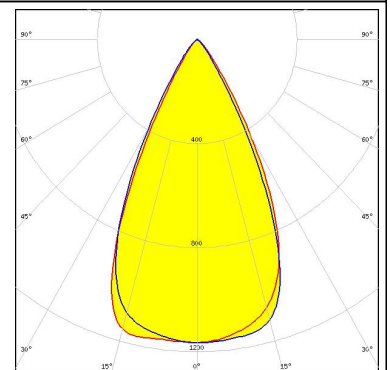
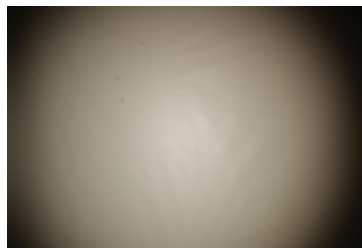
CITIZEN

LED CLU700/701
 FWHM 52.0°
 Efficiency 85 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



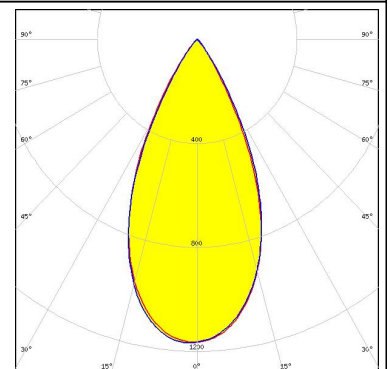
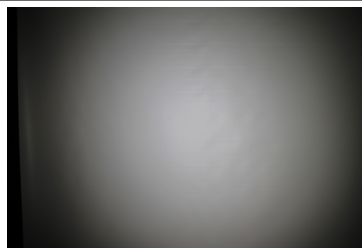
CITIZEN

LED CLU7A2 (LES 4.2mm)
 FWHM 54.0°
 Efficiency 86 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



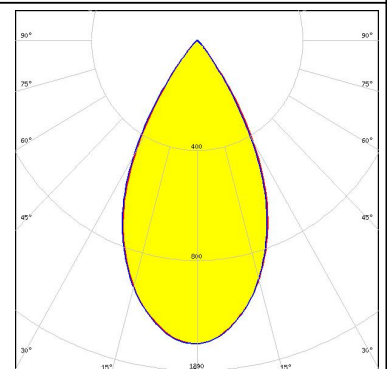
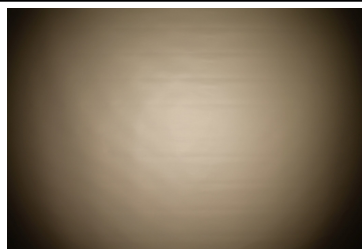
CITIZEN

LED LCN-C01B (Tunable White)
 FWHM 49.0°
 Efficiency 74 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



CREE

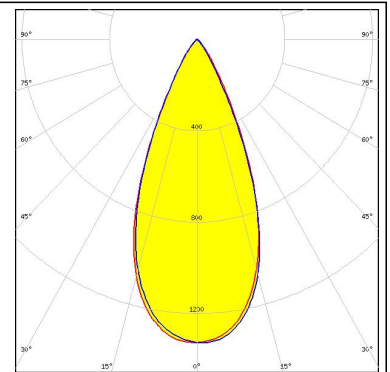
LED CMA1516
 FWHM 55.0°
 Efficiency 82 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



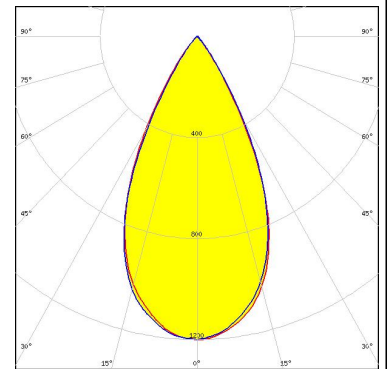
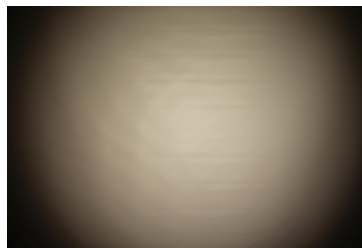
PHOTOMETRIC DATA (MEASURED):



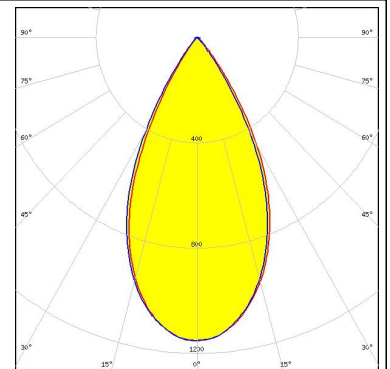
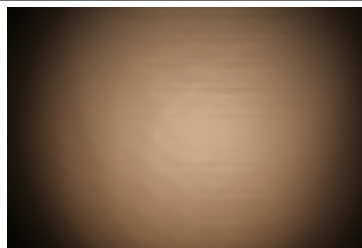
LED CMT14xx
 FWHM 45.0°
 Efficiency 75 %
 Peak intensity 1.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



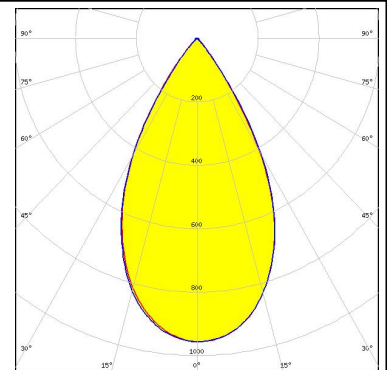
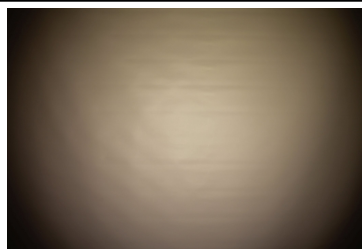
LED LUXEON CoB 1202HD
 FWHM 52.0°
 Efficiency 82 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G




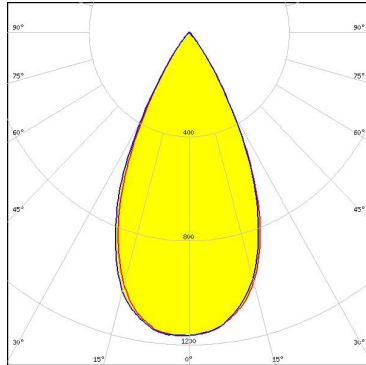
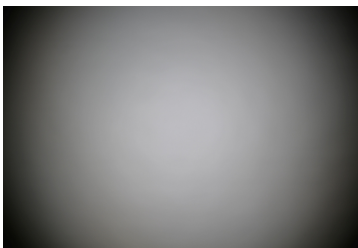
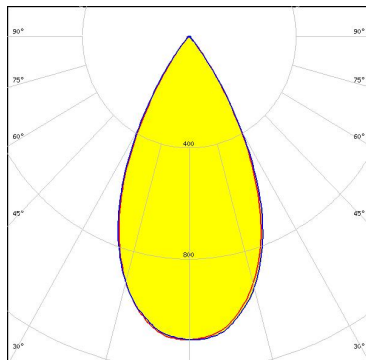
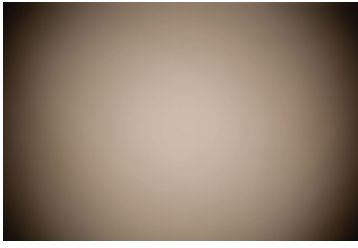
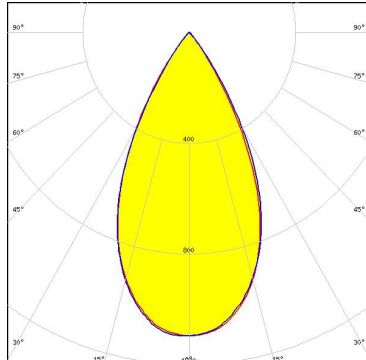
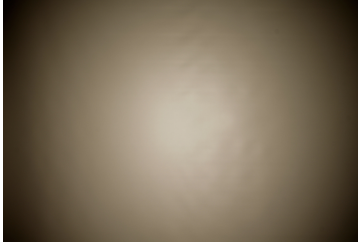
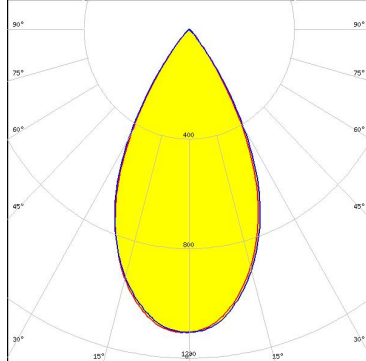
LED LUXEON CoB 1204HD
 FWHM 53.0°
 Efficiency 81 %
 Peak intensity 1.150 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



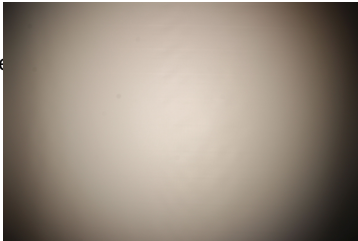
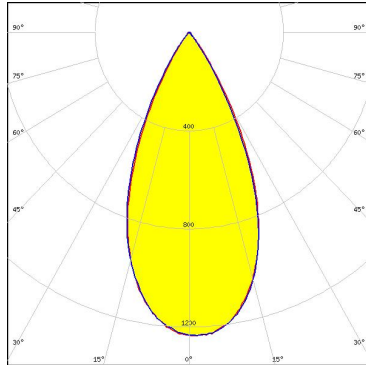
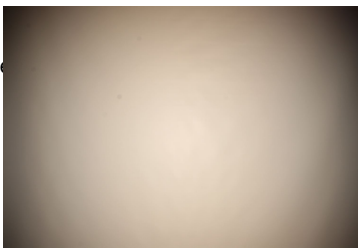
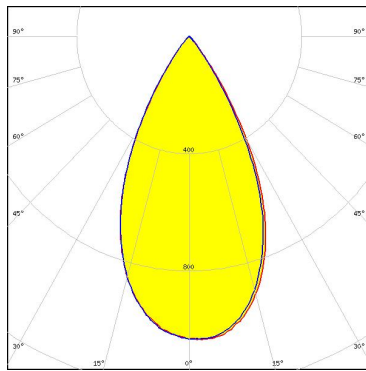

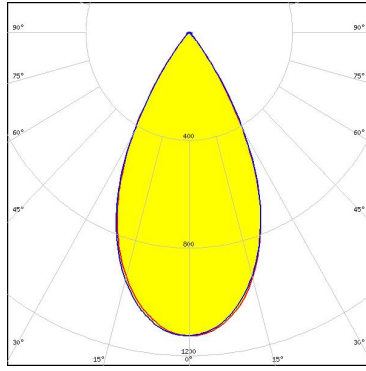
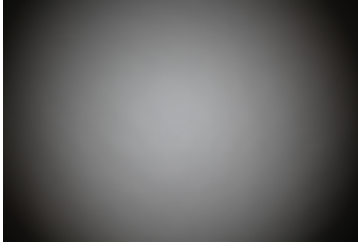
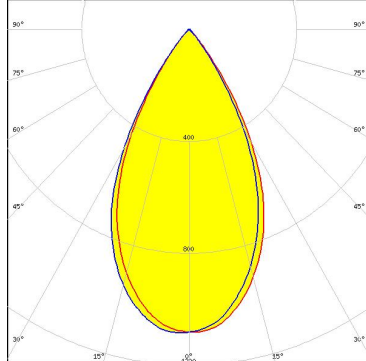
LED LUXEON CoB 1205HD
 FWHM 56.0°
 Efficiency 76 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



PHOTOMETRIC DATA (MEASURED):

<p>LUMINUS</p> <p>LED CDM-6 (Dim-To-Warm) FWHM 51.0° Efficiency 78 % Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>LUMINUS</p> <p>LED CDM-9 (Dim-To-Warm) FWHM 53.0° Efficiency 77 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>LUMINUS</p> <p>LED CTM-9 (Tunable White) FWHM 53.0° Efficiency 77 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 495 Typ L8</p>		
<p>LUMINUS</p> <p>LED CxM-9 (13.5x13.5) FWHM 53.0° Efficiency 81 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

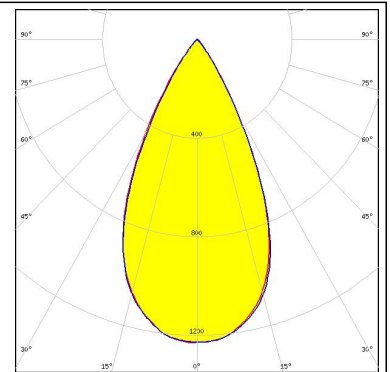
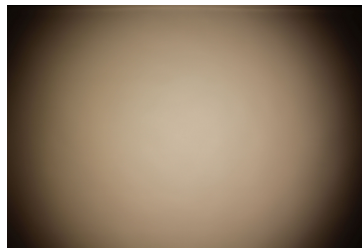
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable White</p> <p>FWHM 48.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.240 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8</p>		
<p>NICHIA</p> <p>LED NVCWJ024Z-V1MT: COB J-Type Tunable White</p> <p>FWHM 53.0°</p> <p>Efficiency 74 %</p> <p>Peak intensity 1.000 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8</p>		
<p>PHILIPS</p> <p>LED Fortimo SLM L09 CoB</p> <p>FWHM 54.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.130 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>SAMSUNG</p> <p>LED COB D Series LES 9.8 mm</p> <p>FWHM 55.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

PHOTOMETRIC DATA (MEASURED):

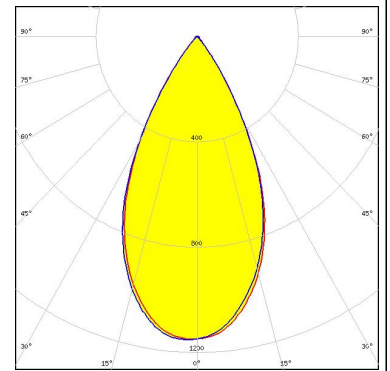
SAMSUNG

LED LC010C G2
 FWHM 52.0°
 Efficiency 84 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



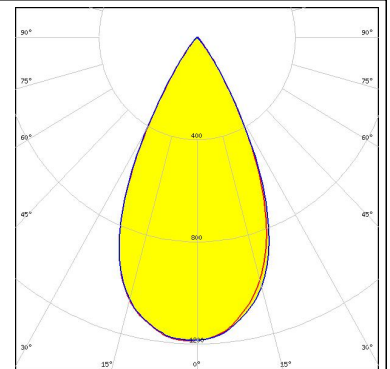
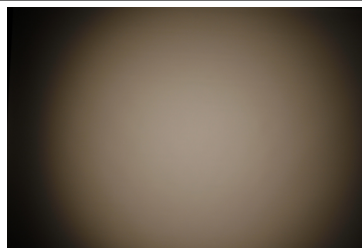
SAMSUNG

LED LC020C G2
 FWHM 52.0°
 Efficiency 80 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



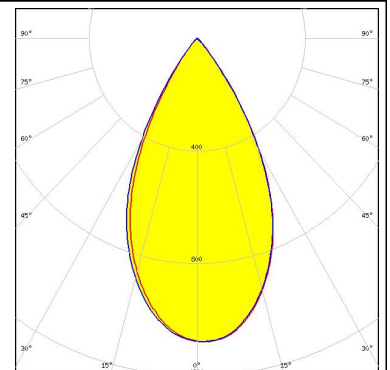
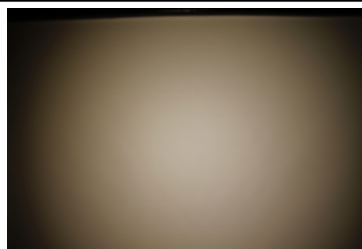
SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 FWHM 52.0°
 Efficiency 82 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



SEOUL SEMICONDUCTOR

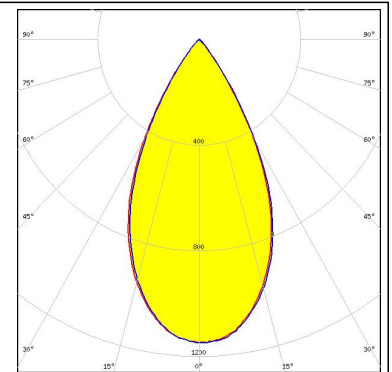
LED MJT COB LES 9.8
 FWHM 54.0°
 Efficiency 79 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

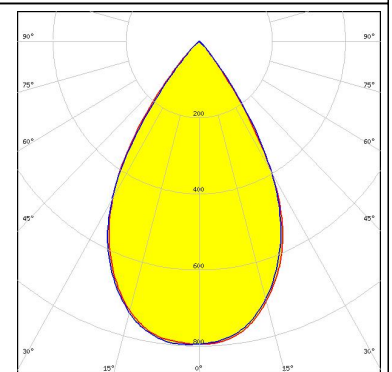
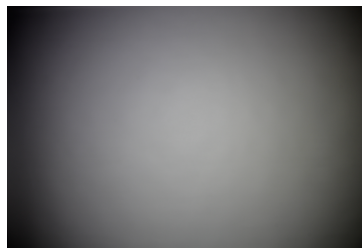
TRIDONIC

LED SLE G7 LES09
 FWHM 53.0°
 Efficiency 83 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



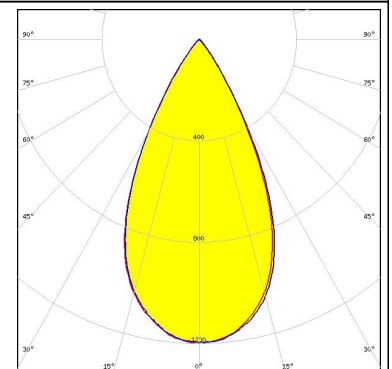
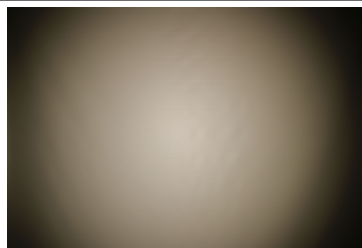
TRIDONIC

LED SLE G7 LES13
 FWHM 63.0°
 Efficiency 74 %
 Peak intensity 0.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



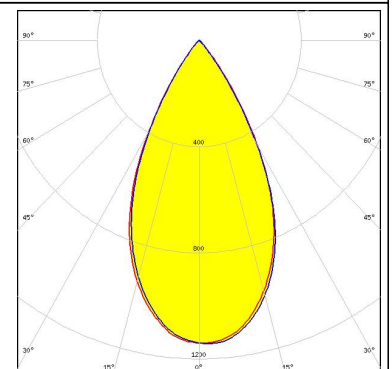
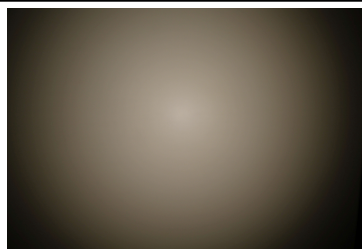
XICATO

LED XOB 6 mm
 FWHM 53.0°
 Efficiency 83 %
 Peak intensity 1.197 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



XICATO

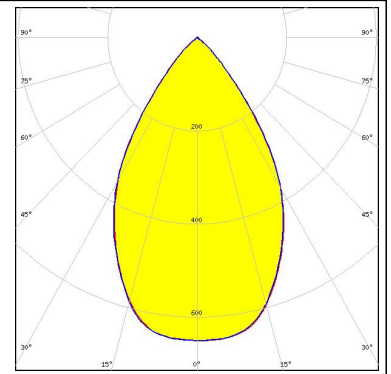
LED XOB 9.8 mm
 FWHM 53.0°
 Efficiency 83 %
 Peak intensity 1.144 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

XICATO

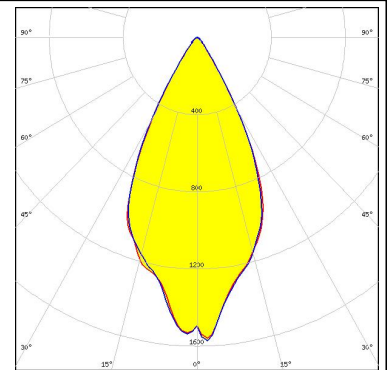
LED XTM - 19mm LES
FWHM 64.0°
Efficiency 66 %
Peak intensity 0.650 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16058_XTM-ADAPTER-50-C



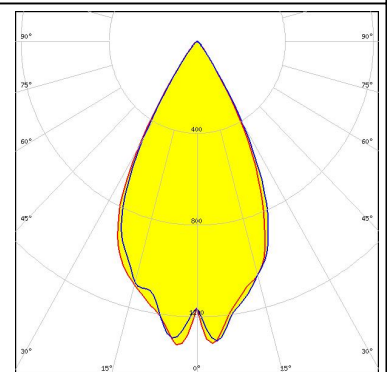
PHOTOMETRIC DATA (SIMULATED):



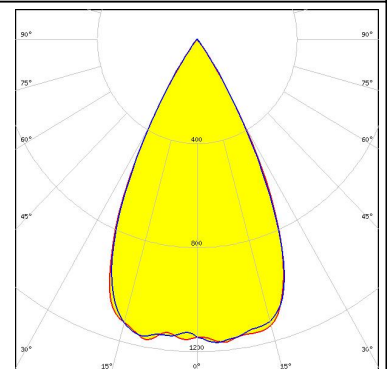
LED VERO10
FWHM 50.7°
Efficiency 0 %
Peak intensity 1.600 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15616_HEKLA-SOCKET-F



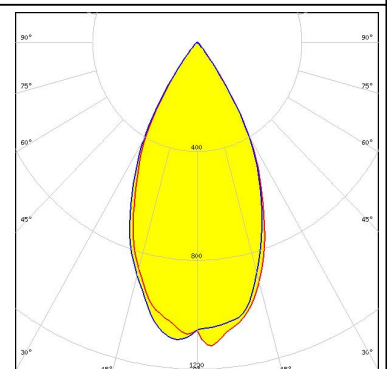
LED CXA/B 15xx
FWHM 53.5°
Efficiency 0 %
Peak intensity 1.365 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



LED COB T-Type
FWHM 54.0°
Efficiency 84 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



LED SLE G6 LES10
FWHM 51.0°
Efficiency 76 %
Peak intensity 1.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



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.

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