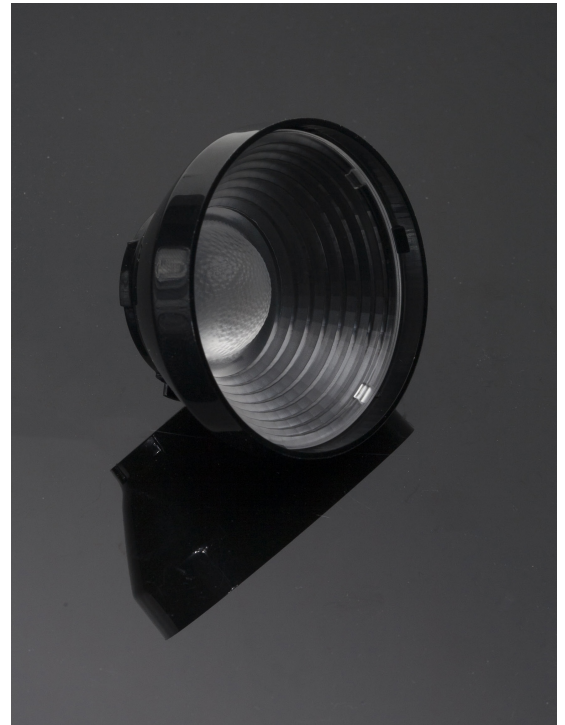


CARMEN-50-W-C

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

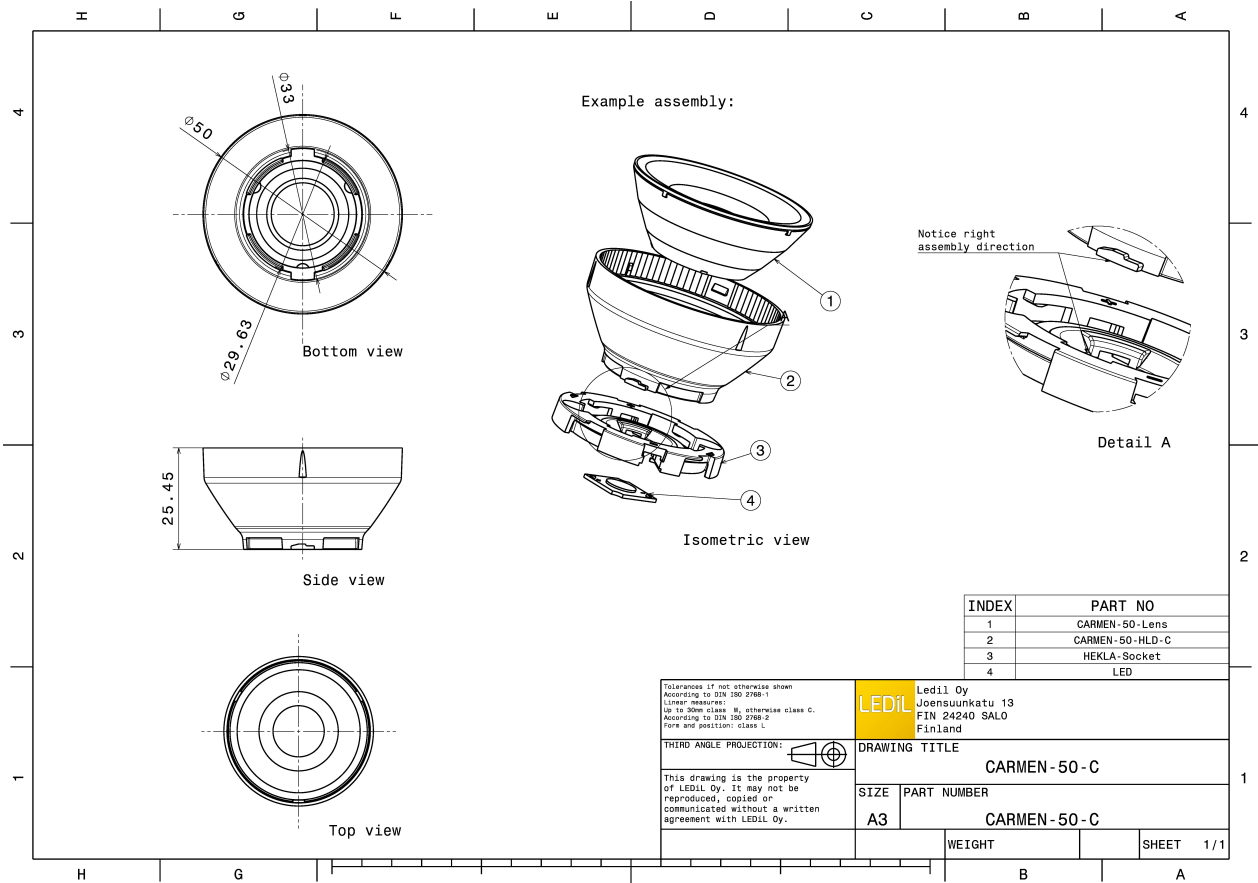
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	25.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	5.7 kg
Quantity in Box	308 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

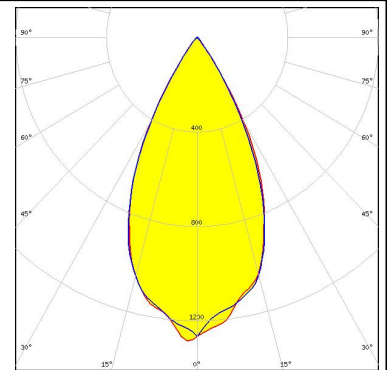
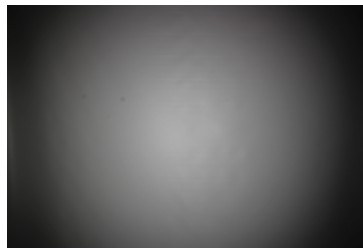
Component	Type	Material	Colour
CARMEN-50-W	Lens	PMMA	clear
CARMEN-50-HLD-C	Holder	PC	black



PHOTOMETRIC DATA (MEASURED):

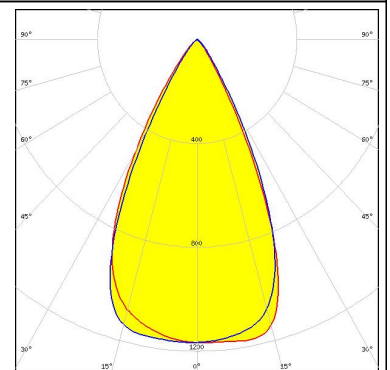
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 54.0°
Efficiency 80 %
Peak intensity 1.000 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



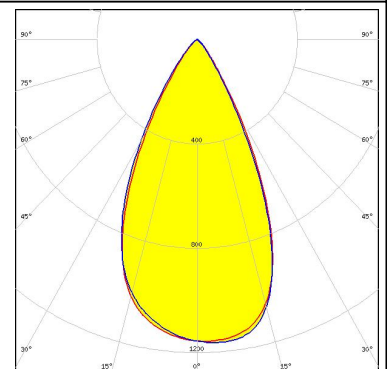
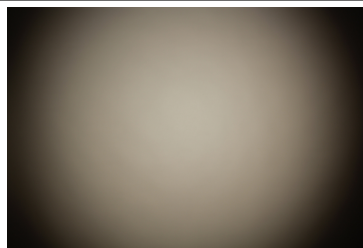
CITIZEN

LED CLU LES 4.2mm (HI-Ver.3)
FWHM 53.0°
Efficiency 87 %
Peak intensity 1.200 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



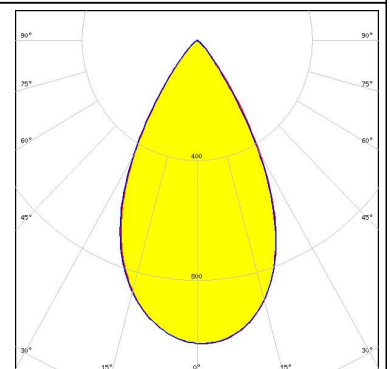
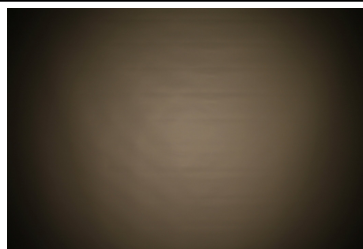
CITIZEN

LED CLU700/701
FWHM 52.0°
Efficiency 85 %
Peak intensity 1.200 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



CREE

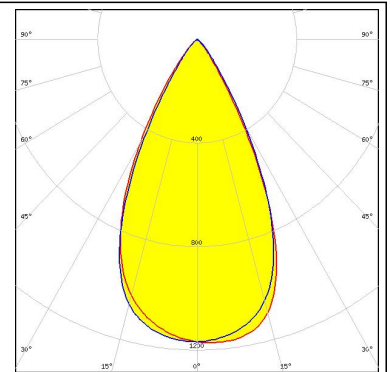
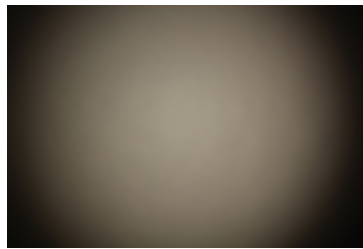
LED CMA1516
FWHM 57.0°
Efficiency 83 %
Peak intensity 1.000 cd/lm
Required components:
F15256_HEKLA-SOCKET-D



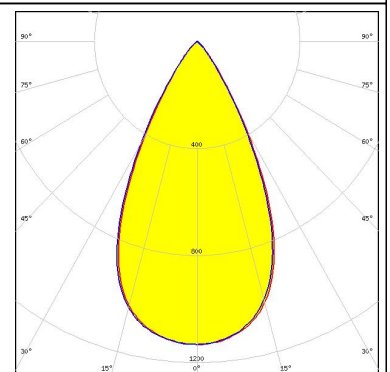
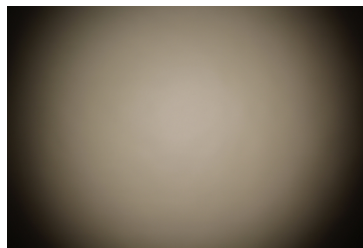
PHOTOMETRIC DATA (MEASURED):



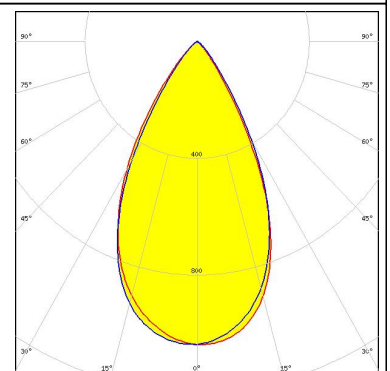
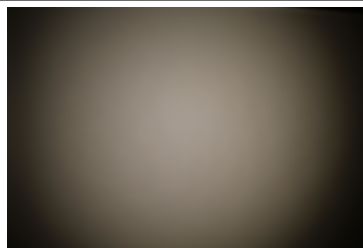
LED CXA/B 13xx
FWHM 54.0°
Efficiency 88 %
Peak intensity 1.200 cd/lm
Required components:
F15956_HEKLA-SOCKET-J



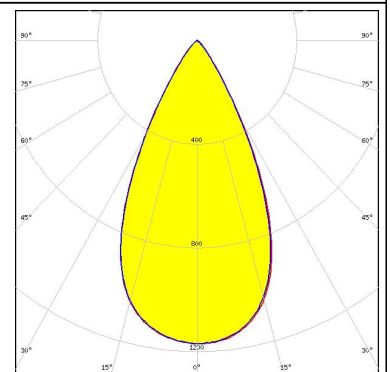
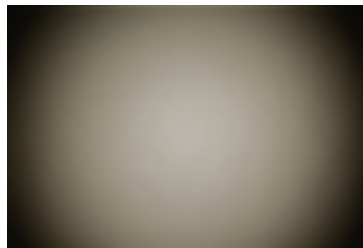
LED CXA/B 13xx
FWHM 54.0°
Efficiency 86 %
Peak intensity 1.100 cd/lm
Required components:
F15956_HEKLA-SOCKET-J



LED CXA/B 15xx
FWHM 56.0°
Efficiency 84 %
Peak intensity 1.000 cd/lm
Required components:
F15256_HEKLA-SOCKET-D



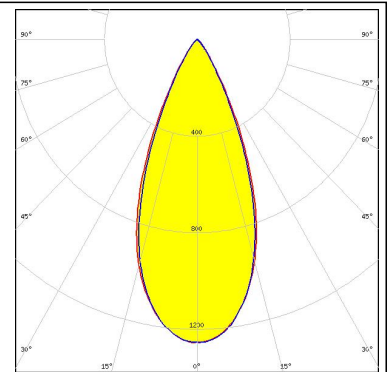
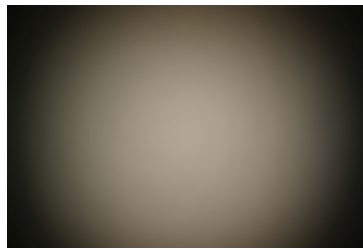
LED LUXEON CoB 1202s
FWHM 52.0°
Efficiency 85 %
Peak intensity 1.200 cd/lm
Required components:
F15848_HEKLA-SOCKET-G



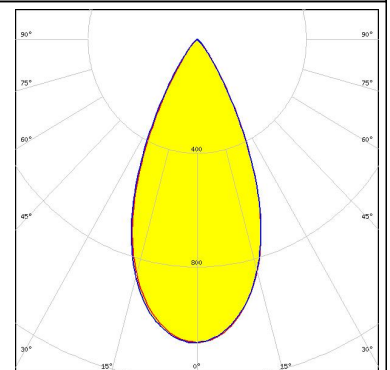
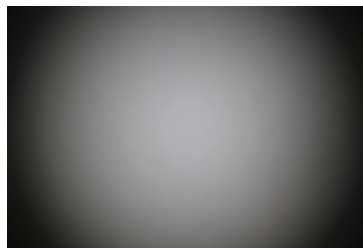
PHOTOMETRIC DATA (MEASURED):



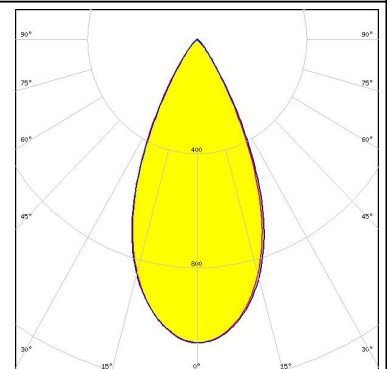
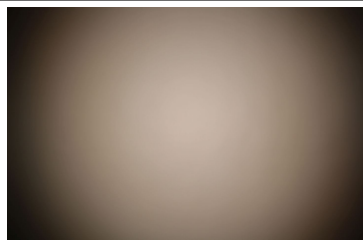
LED CDM-6 (Dim-To-Warm)
FWHM 44.0°
Efficiency 68 %
Peak intensity 1.300 cd/lm
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 490 Typ L8



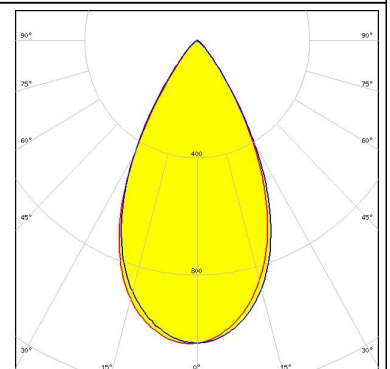
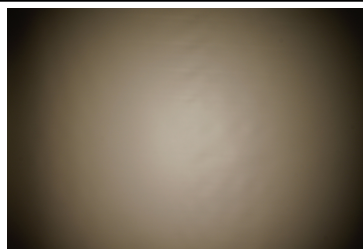
LED CDM-9 (Dim-To-Warm)
FWHM 48.0°
Efficiency 67 %
Peak intensity 1.100 cd/lm
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 490 Typ L8



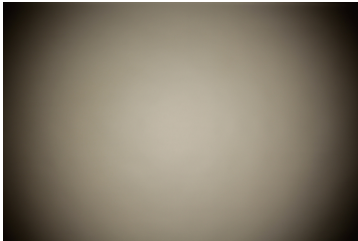
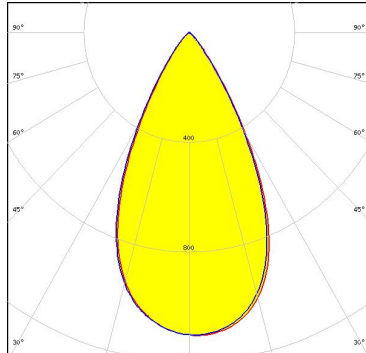
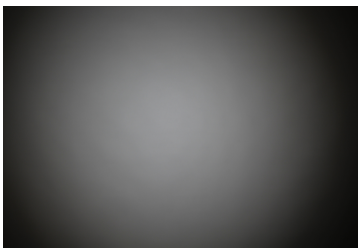
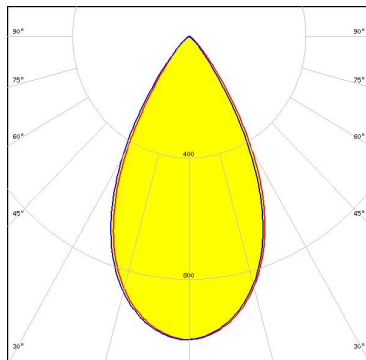

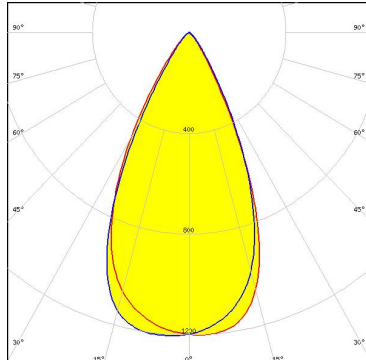
LED CTM-9 (Tunable White)
FWHM 48.0°
Efficiency 67 %
Peak intensity 1.000 cd/lm
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 495 Typ L8



LED CXM-9
FWHM 55.0°
Efficiency 83 %
Peak intensity 1.000 cd/lm
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED COB S-Type (LES 7) FWHM 53.0° Efficiency 83 % Peak intensity 1.100 cd/lm Required components: F15848_HEKLA-SOCKET-G</p>		
<p>SAMSUNG</p> <p>LED COB D Series LES 9.8 mm FWHM 56.0° Efficiency 82 % Peak intensity 1.000 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		
<p>SAMSUNG</p> <p>LED LC010C G2 FWHM 51.0° Efficiency 85 % Peak intensity 1.200 cd/lm Required components: F15255_HEKLA-SOCKET-C</p>		

PHOTOMETRIC DATA (SIMULATED):

<p>bridgelux.</p> <p>LED V6 Gen6</p> <p>FWHM 46.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.450 cd/lm</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>	
<p>bridgelux.</p> <p>LED VERO10</p> <p>FWHM 49.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 1.330 cd/lm</p> <p>Required components: F15616_HEKLA-SOCKET-F</p>	
<p>bridgelux.</p> <p>LED VERO13</p> <p>FWHM 60.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 0.900 cd/lm</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p>TRIDONIC</p> <p>LED SLE G5 LES11</p> <p>FWHM 54.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 1.100 cd/lm</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	

PHOTOMETRIC DATA (SIMULATED):

XICATO

LED XTM - 9mm LES

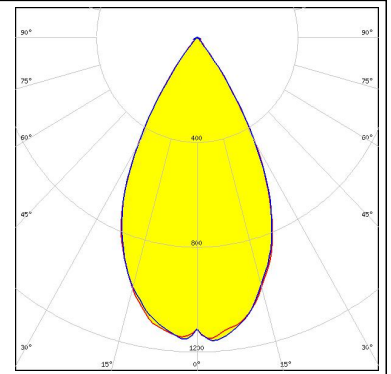
FWHM 55.0°

Efficiency 87 %

Peak intensity 1.200 cd/lm

Required components:

C15743_XTM-ADAPTER-50-B



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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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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