

CARMEN-W-C-WHT

~55° wide beam. Assembly with holder C compatible with HEKLA sockets and connectors. White version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.5 mm
Height	41.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

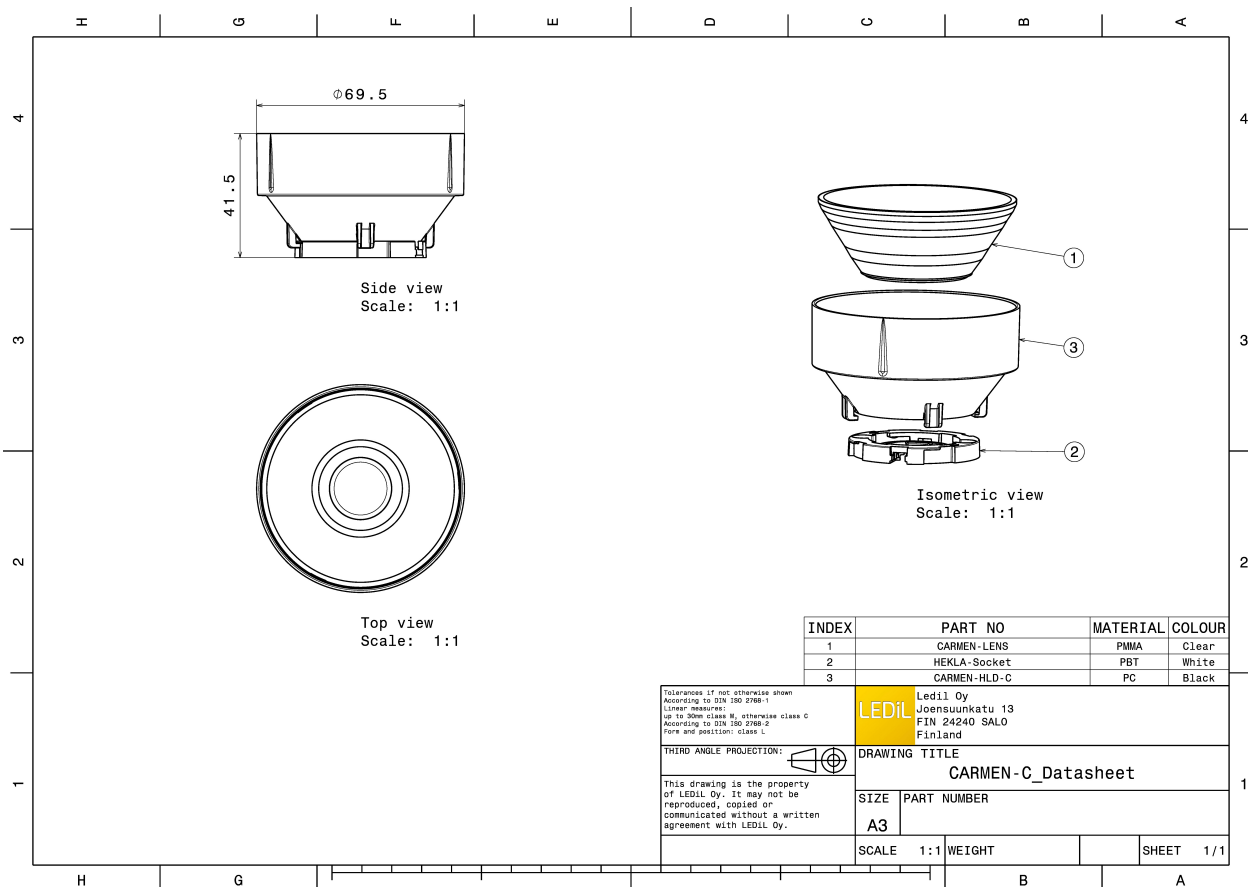
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

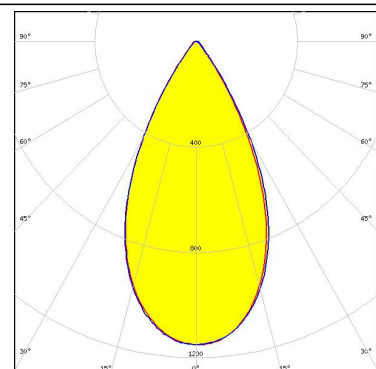
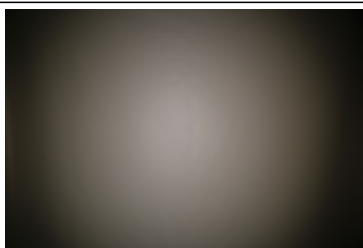
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16939_CARMEN-W-C-WHT	Single lens	150	150	15	6.2
» Box size: 476 x 273 x 292 mm					



PHOTOMETRIC DATA (MEASURED):

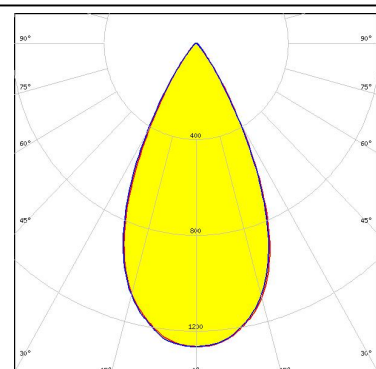
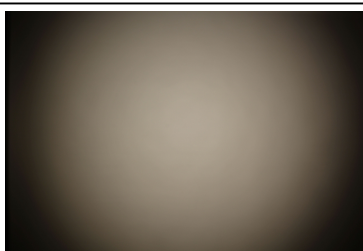


LED Vesta TW 9mm (9W) DP
FWHM 52.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 489 Typ L8



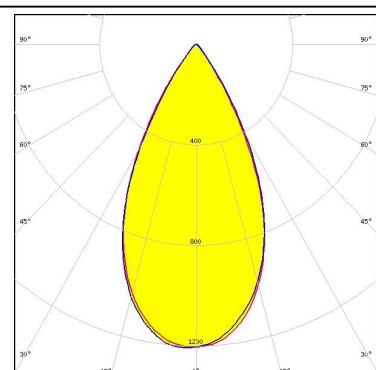
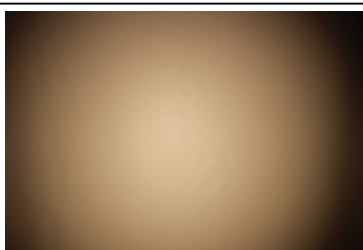
CITIZEN

LED CLU700/701/702
FWHM 52.0°
Efficiency 92 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



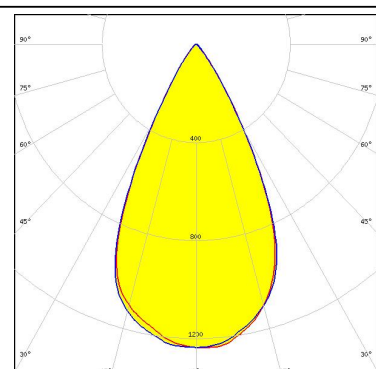
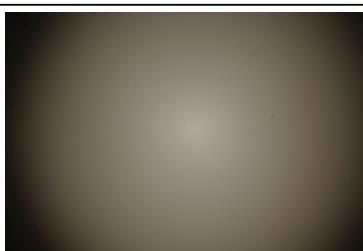
CITIZEN

LED CLU710/711
FWHM 53.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



CITIZEN

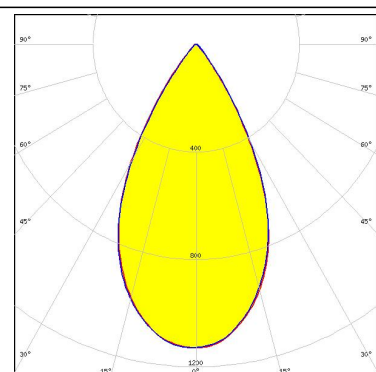
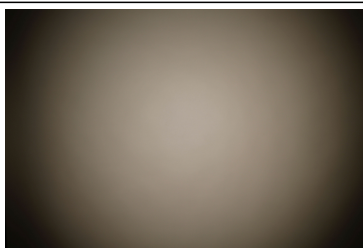
LED CLU7B2
FWHM 53.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



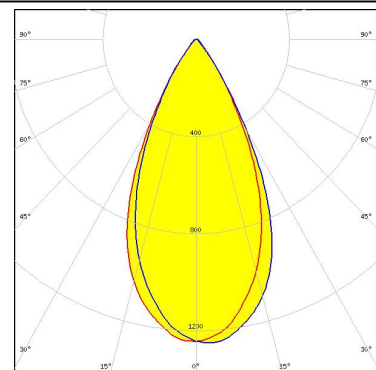
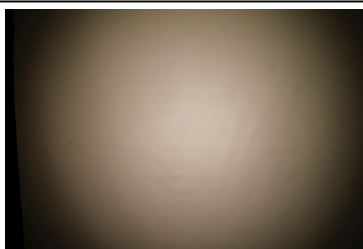
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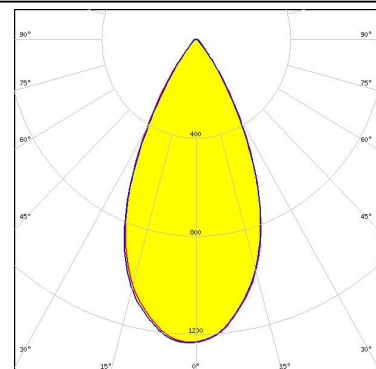
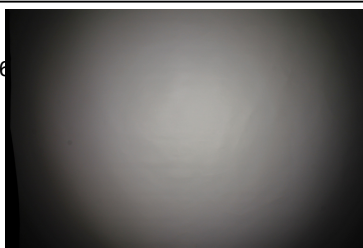
LED CXA/B 15xx
FWHM 55.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



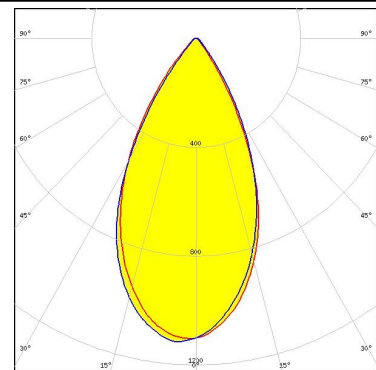
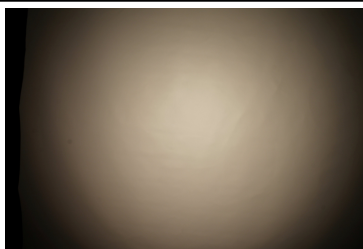
LED LUXEON CX Plus CoB - HD S01H4
FWHM 50.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6
FWHM 51.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



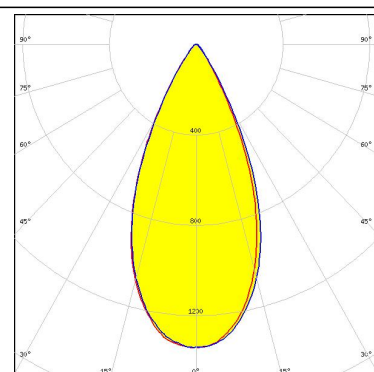
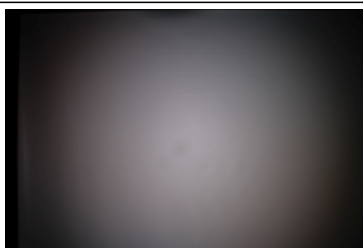
LED LUXEON CX Plus CoB - HD S04H9
FWHM 53.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



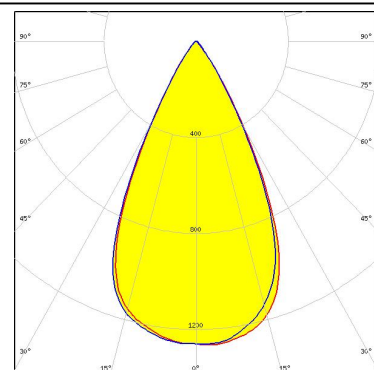
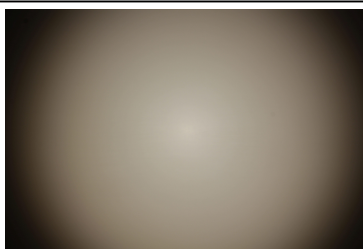
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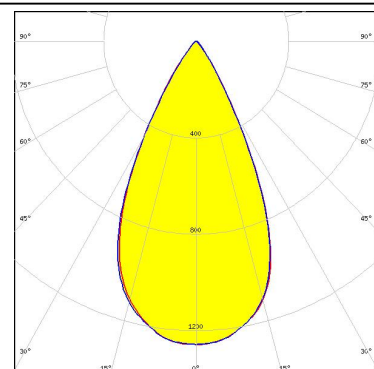
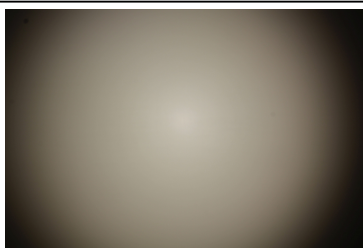
LED LUXEON Fusion 21-up (20x24)
 FWHM 48.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 21
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



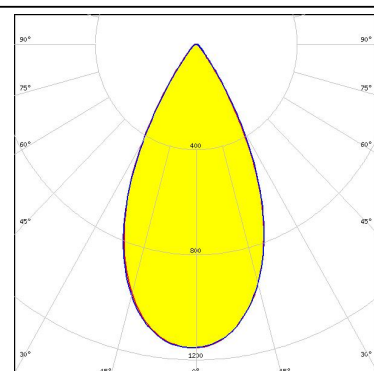
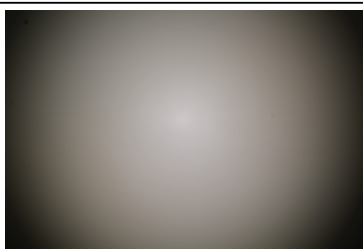
LED CXM-3
 FWHM 53.0°
 Efficiency 95 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



LED CXM-4
 FWHM 52.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



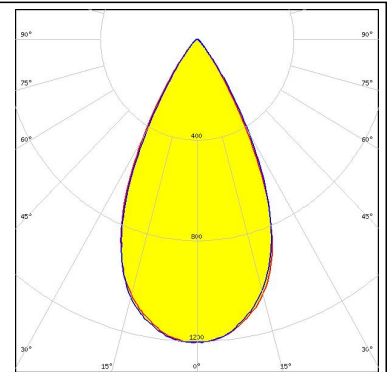
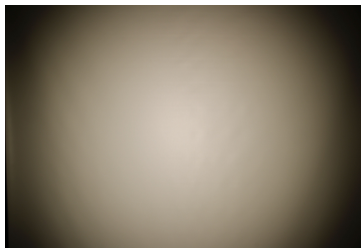
LED LC010T (Tunable White)
 FWHM 52.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



PHOTOMETRIC DATA (MEASURED):

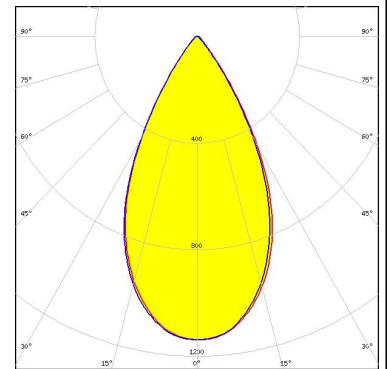
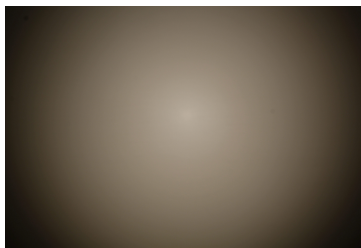
XICATO

LED XOB 6 mm
FWHM 54.0°
Efficiency 91 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



XICATO

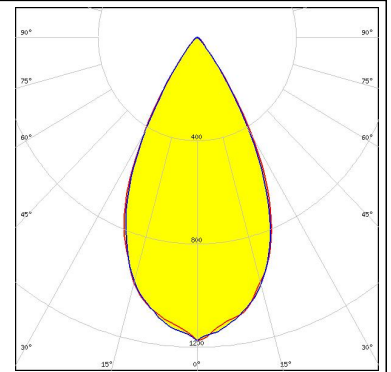
LED XOB 9.8 mm
FWHM 54.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	54.0°
Efficiency	87 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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