

CARMEN-50-S-C-WHT

~25° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. White version.

TECHNICAL SPECIFICATIONS:

Dimensions	50.0 x 50.0 mm
Height	25.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

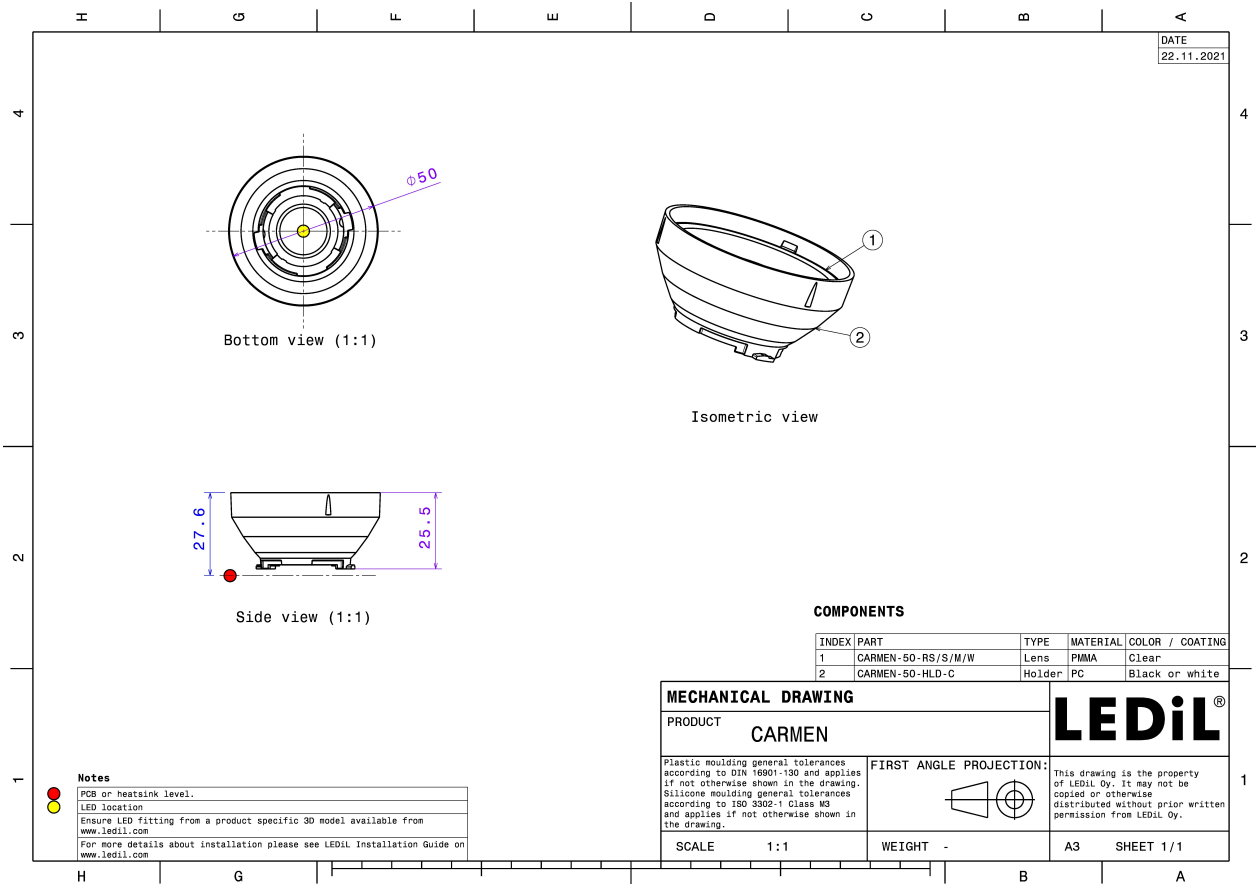


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
CARMEN-50-S	Single lens	PMMA	clear	
CARMEN-50-HLD-C-WHT	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16633_CARMEN-50-S-C-WHT	Single lens	308	112	28	6.9
» Box size: 476 x 273 x 292 mm					

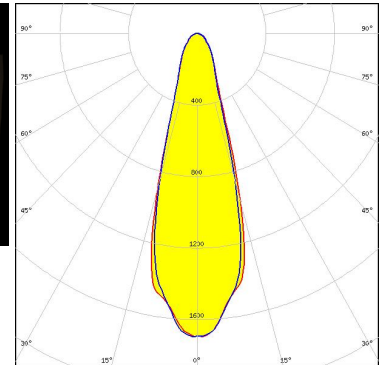


See also our general installation guide: www.ledil.com/installation_guide

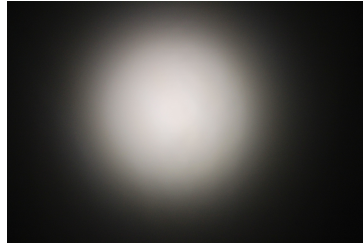
PHOTOMETRIC DATA (MEASURED):



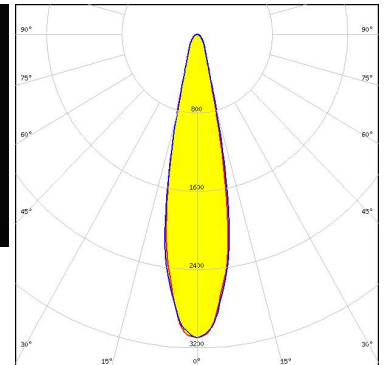
LED Vesta DTW 13mm (21W)
 FWHM / FWTM 31.0° / 65.0°
 Efficiency 79 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



LED Vesta TW 6mm DP
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 83 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8

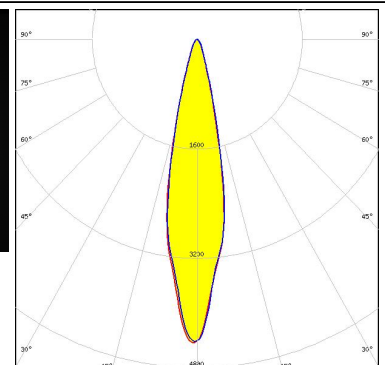
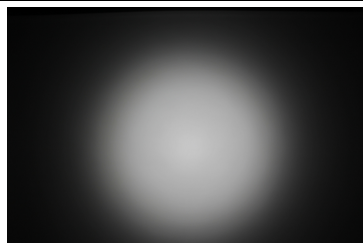


LED Vesta TW 9mm (9W) DP
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 82 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 489 Typ L8



CITIZEN

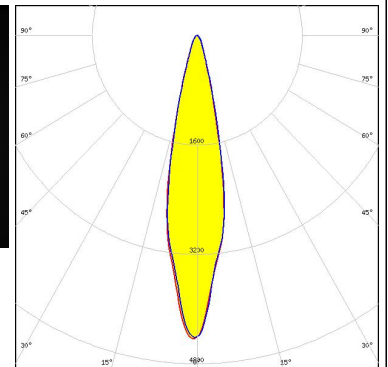
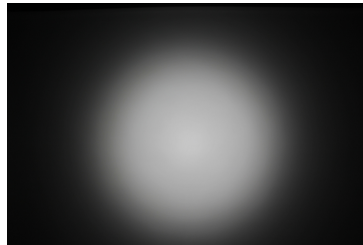
LED CLU700/701/702
 FWHM / FWTM 22.0° / 39.0°
 Efficiency 90 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15501_HEKLA-C



PHOTOMETRIC DATA (MEASURED):

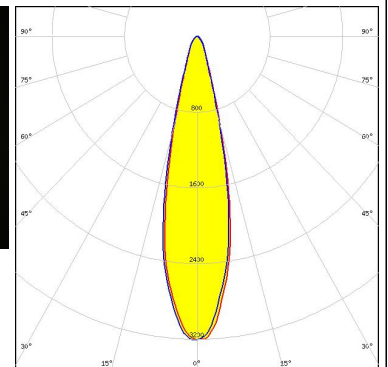
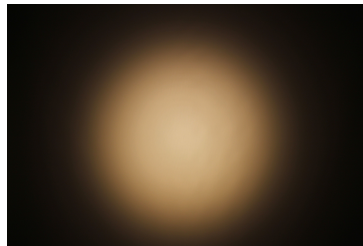
CITIZEN

LED CLU700/701/702
 FWHM / FWTM 22.0° / 39.0°
 Efficiency 90 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



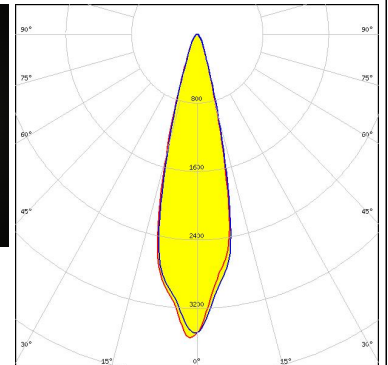
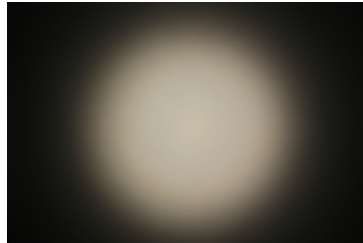
CITIZEN

LED CLU710/711
 FWHM / FWTM 25.0° / 44.0°
 Efficiency 86 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



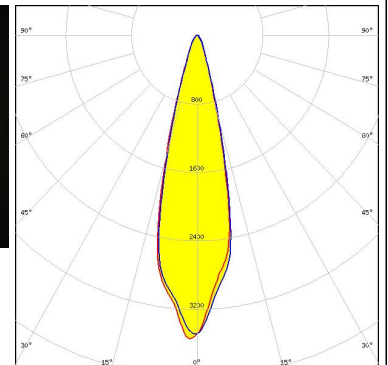
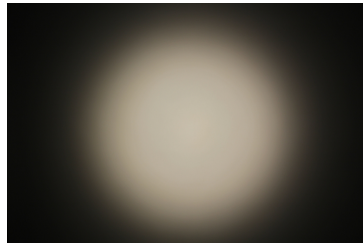
CREE LED

LED CXA/B 13xx
 FWHM / FWTM 26.0° / 43.0°
 Efficiency 90 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15957_HEKLA-J



CREE LED

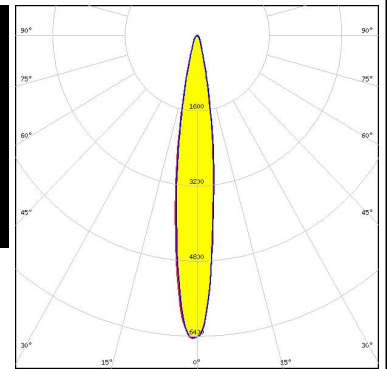
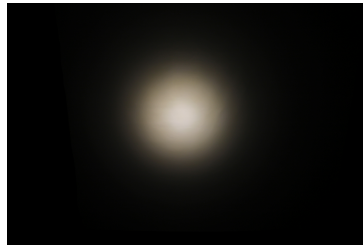
LED CXA/B 13xx
 FWHM / FWTM 26.0° / 43.0°
 Efficiency 90 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



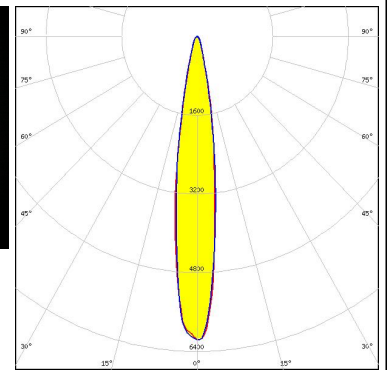
PHOTOMETRIC DATA (MEASURED):



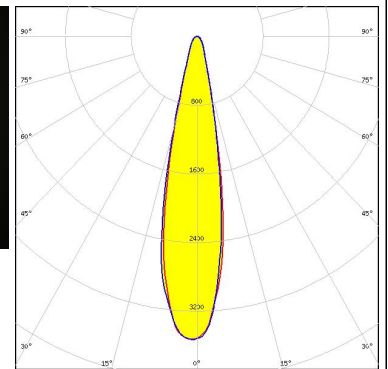
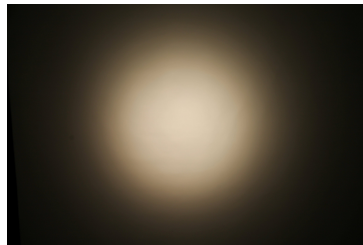
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 15.0° / 32.0°
 Efficiency 89 %
 Peak intensity 6.5 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



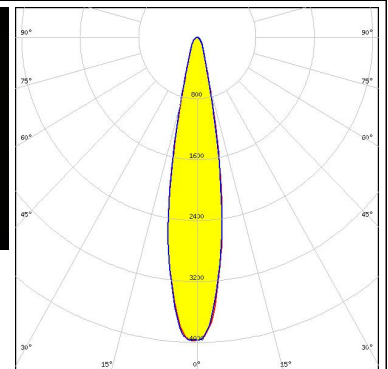
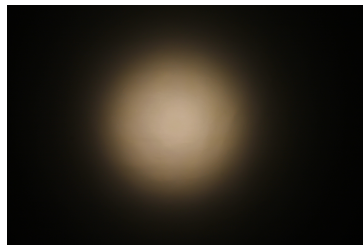
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 89 %
 Peak intensity 6.2 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 22.0° / 40.0°
 Efficiency 87 %
 Peak intensity 3.5 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



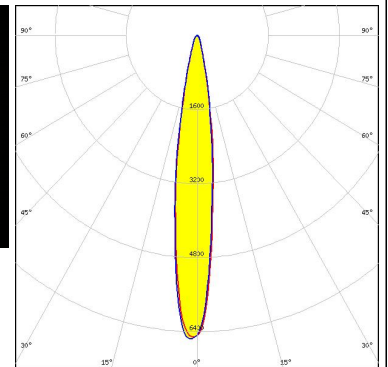
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 87 %
 Peak intensity 4 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 641a Hekla



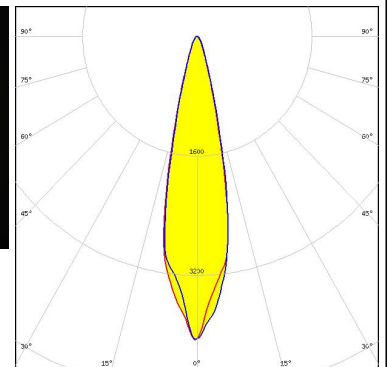
PHOTOMETRIC DATA (MEASURED):



LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 15.0° / 32.0°
 Efficiency 89 %
 Peak intensity 6.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla

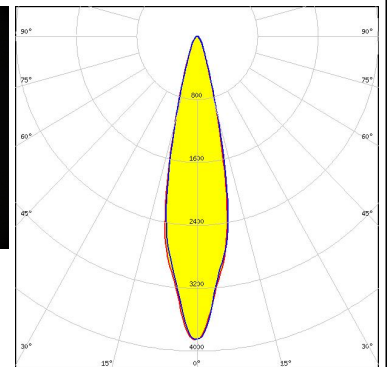


LED CXM-4
 FWHM / FWTM 23.0° / 41.0°
 Efficiency 89 %
 Peak intensity 4.1 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



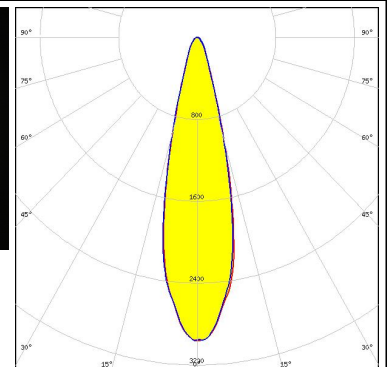
XICATO

LED XOB 6 mm
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 88 %
 Peak intensity 3.9 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



XICATO

LED XOB 9.8 mm
 FWHM / FWTM 26.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3 cd/Im
 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.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)