

CARMEN-50-M-C

~35° medium beam. Assembly with holder C compatible with LEDiL HEKLA.

TECHNICAL SPECIFICATIONS:

Dimensions Ø 50.0 mm

Height 25.5 mm

socket Fastening

yes 🕕 ROHS compliant



MATERIAL SPECIFICATIONS:

Material Colour **Finish** Component **Type** CARMEN-50-M Single lens **PMMA** clear PC CARMEN-50-HLD-C Holder black

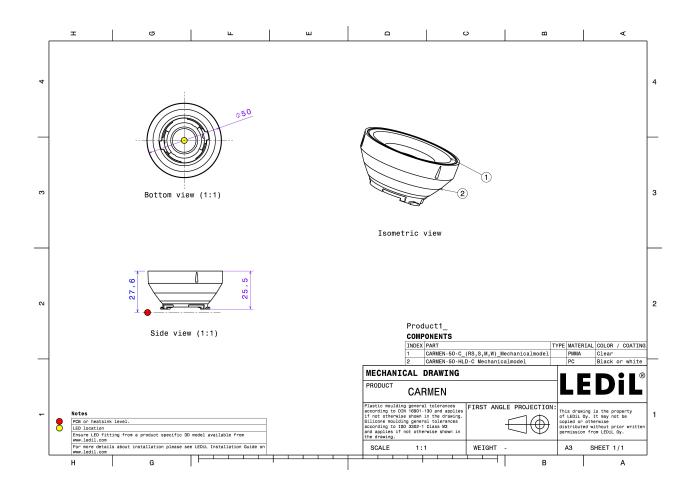
ORDERING INFORMATION:

Component MPQ Box weight (kg) Qty in box MOQ

CP16108_CARMEN-50-M-C 308 112 5.9 Single lens 28

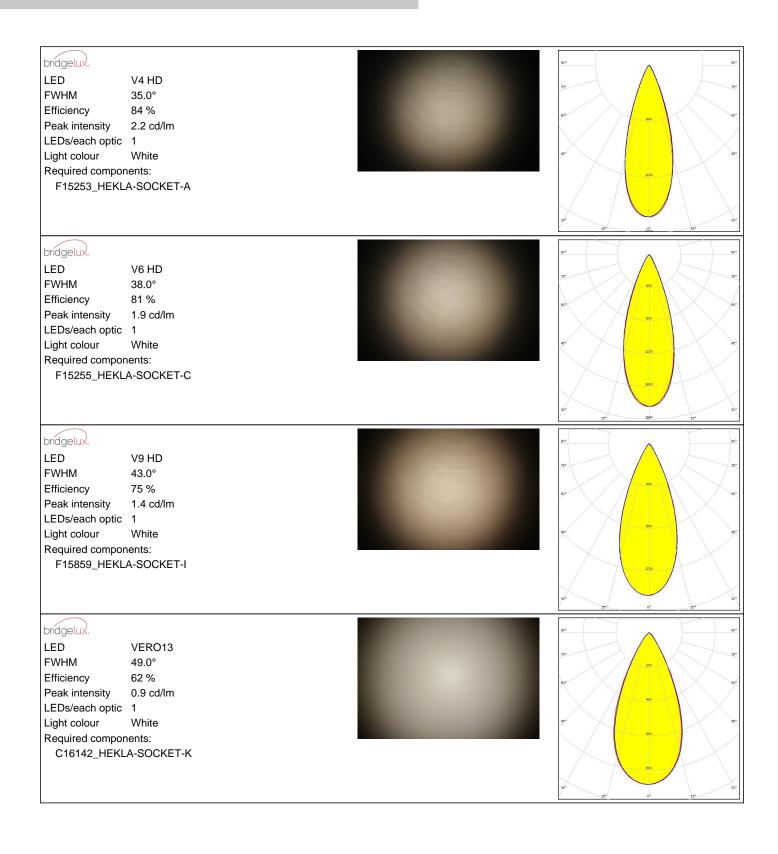
» Box size: 476 x 273 x 292 mm





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PHOTOMETRIC DATA (MEASURED):

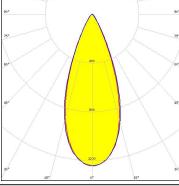


LED Vesta TW 9mm (9W) DP

FWHM 41.0°
Efficiency 62 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K

Bender Wirth: 489 Typ L8



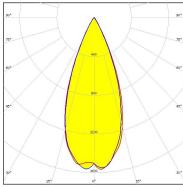


CITIZEN

LED CLL02x/CLU02x (LES10)

FWHM 46.0°
Efficiency 76 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



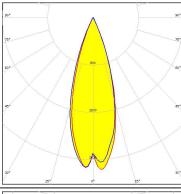


CITIZEN

LED CLU700/701/702

FWHM 36.0°
Efficiency 80 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C





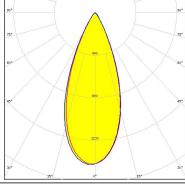
CITIZEN

LED CLU710/711
FWHM 41.0°
Efficiency 73 %
Peak intensity 1.4 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15859_HEKLA-SOCKET-I



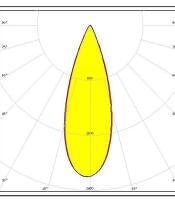




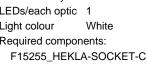
PHOTOMETRIC DATA (MEASURED):

CITIZEN LED CLU7A2 (LES 4.2mm) **FWHM** 35.0° 84 % Efficiency Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C **CITIZEN**

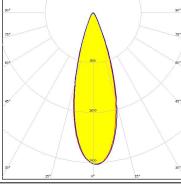




LED CLU7B2 **FWHM** 32.0° 82 % Efficiency Peak intensity 2.4 cd/lm LEDs/each optic 1 White Light colour Required components:



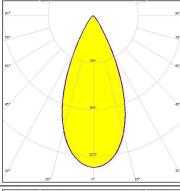




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LED CMA1516 **FWHM** 46.0° Efficiency 79 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15256_HEKLA-SOCKET-D

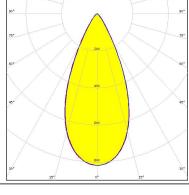




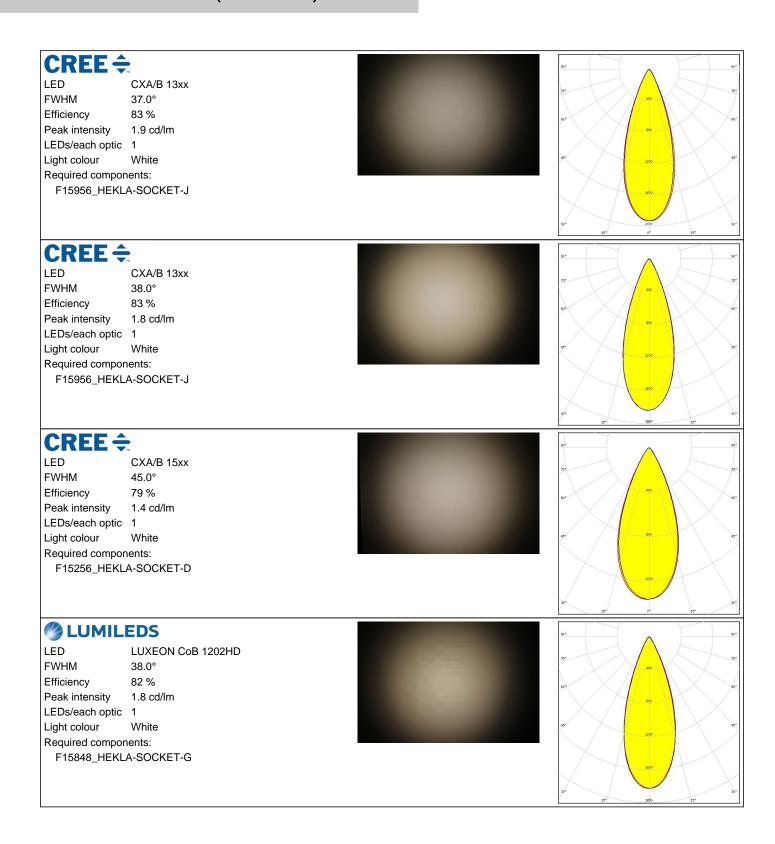
CREE \$

LED CMT14xx **FWHM** 47.0° Efficiency 51 % Peak intensity 0.8 cd/lm LEDs/each optic 1 White Light colour Required components:

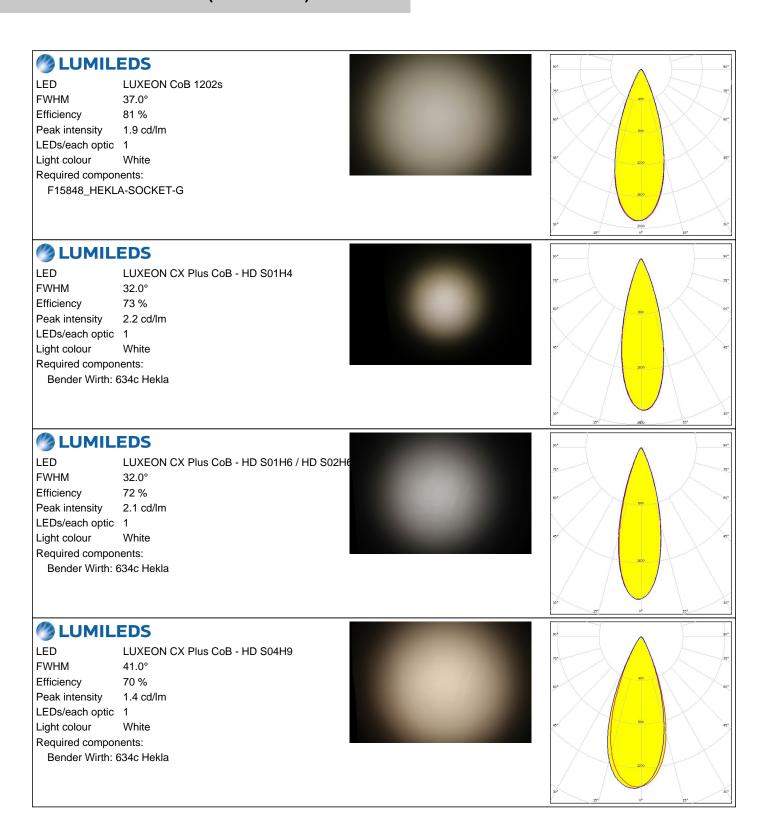
F15255_HEKLA-SOCKET-C



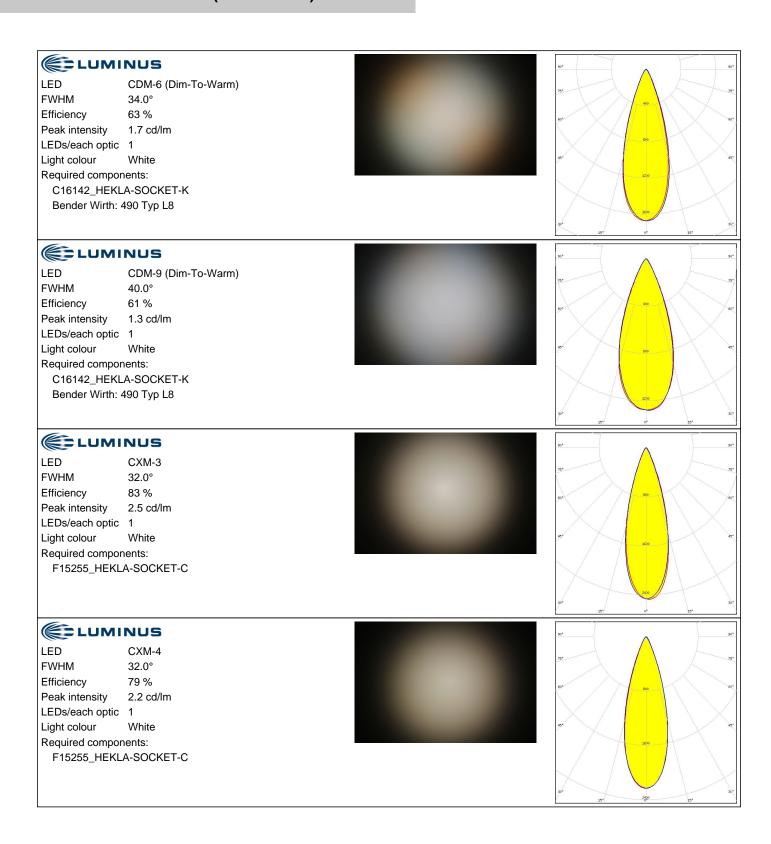














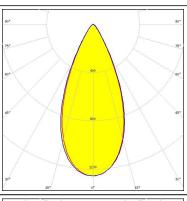
PHOTOMETRIC DATA (MEASURED):



LED CxM-9 (13.5x13.5)

FWHM 46.0°
Efficiency 77 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C





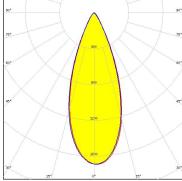
WNICHIA

LED COB S-Type (LES 7)

FWHM 39.0°
Efficiency 80 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

F15848_HEKLA-SOCKET-G





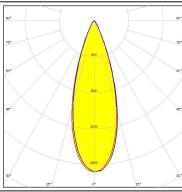
WNICHIA

LED NJCWL024Z-V1MT: COB L-Type Tunable White

FWHM 34.0°
Efficiency 62 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8





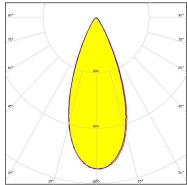
WNICHIA

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM 42.0°
Efficiency 61 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8





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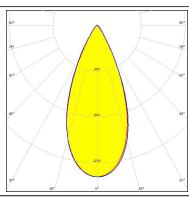
PHOTOMETRIC DATA (MEASURED):

LED Fortimo SLM L09 CoB

FWHM 45.0° 76 % Efficiency Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:

F15858_HEKLA-SOCKET-H

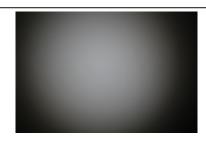


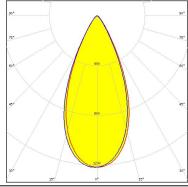


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D

FWHM 47.0° 77 % Efficiency Peak intensity 1.2 cd/lm LEDs/each optic 1 White Light colour Required components:



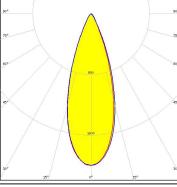


SAMSUNG

LC010C G2 LED **FWHM** 36.0° Efficiency 80 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:

F15255_HEKLA-SOCKET-C





SAMSUNG

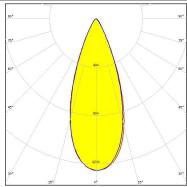
LED LC010T (Tunable White)

FWHM 39.0° Efficiency 61 % Peak intensity 1.3 cd/lm LEDs/each optic 1

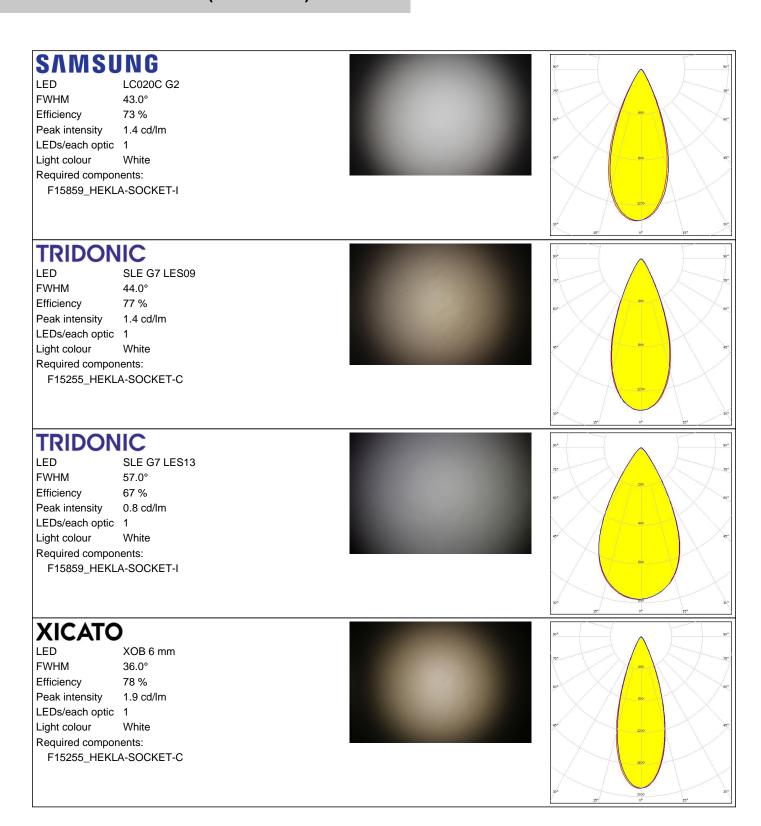
Tunable White Light colour

Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8











PHOTOMETRIC DATA (MEASURED):

XICATO LED XOB 9.8 mm FWHM 44.0° Efficiency 76 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15255_HEKLA-S	92* 907 725 600 607 607 608 607 608 607 608 607 608 608
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15253_HEKLA-S	295 290 295 290 200 200 200 200
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15253_HEKLA-S	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required componer F15616_HEKLA-S	39° 300 300 300 300 300 300 300 300 300 30

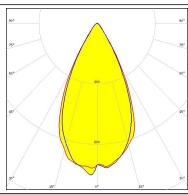


PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED VERO13 **FWHM** 52.0° 73 % Efficiency Peak intensity 1 cd/lm LEDs/each optic Light colour White Required components:

C16142_HEKLA-SOCKET-K

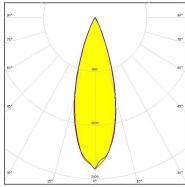


WNICHIA

LED COB S-Type (LES 6)

FWHM 32.0° 69 % Efficiency Peak intensity 2.3 cd/lm LEDs/each optic 1 White Light colour Required components:

F15848_HEKLA-SOCKET-G



SAMSUNG

LED LH231B **FWHM** 41.0° Efficiency 73 % Peak intensity 1.5 cd/lm LEDs/each optic Light colour White Required components:

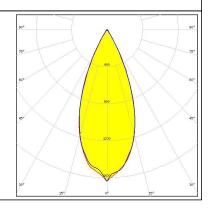
F15255_HEKLA-SOCKET-C



XTM - 9mm LES

FWHM 42.0° Efficiency 79 % Peak intensity 1.6 cd/lm LEDs/each optic White Light colour 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.

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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