

CARMEN-M-C

~35° medium 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 4.6 kg Quantity in Box 150 pcs

ROHS compliant yes 🕕

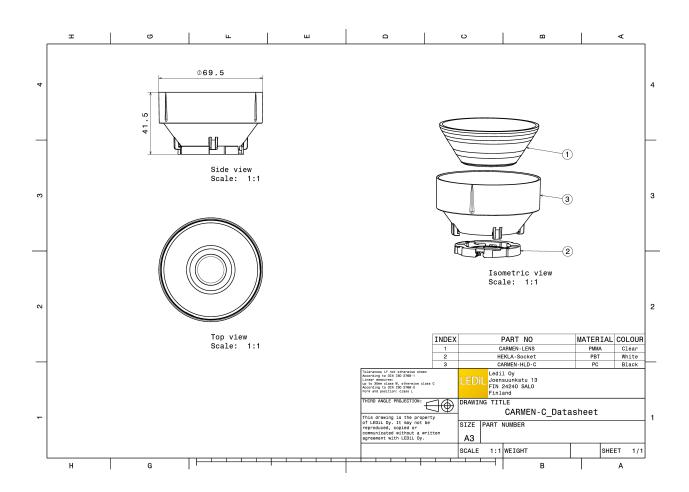


MATERIAL SPECIFICATIONS:

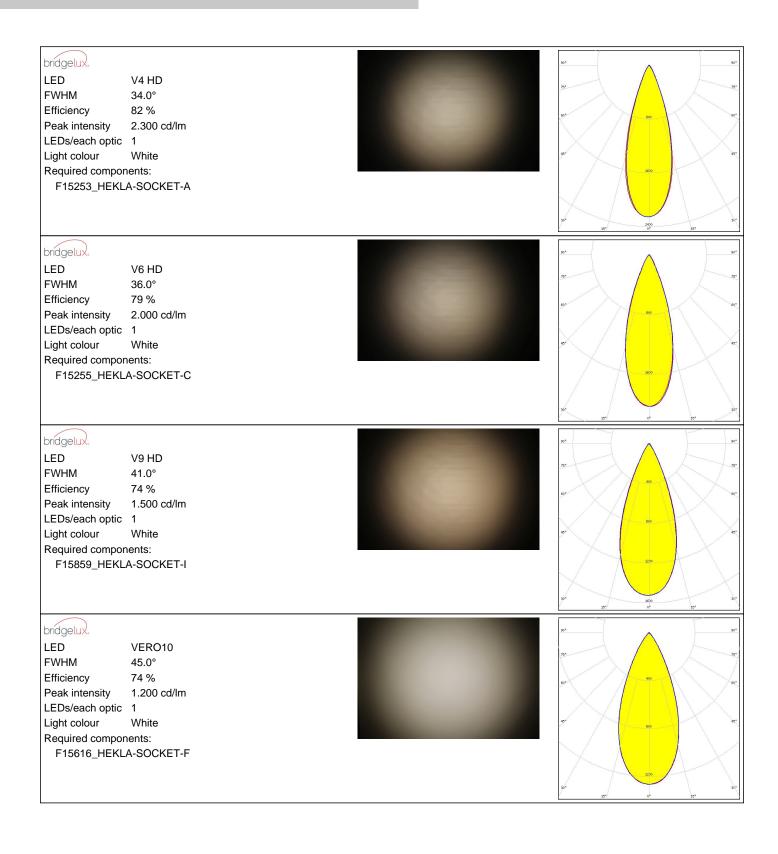
Colour Component **Type** Material **CARMEN-M** Single lens **PMMA** clear PC

CARMEN-HLD-C Holder











PHOTOMETRIC DATA (MEASURED):

bridgelux

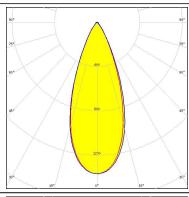
LED Vesta DTW 9mm (4W/6W/12W)

FWHM 40.0° 67 % Efficiency Peak intensity 1.400 cd/lm LEDs/each optic 1 Light colour White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8





bridgelux.

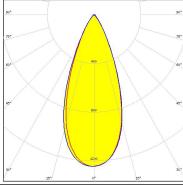
LED Vesta TW 9mm (12W) CSP

FWHM 42.0° 66 % Efficiency Peak intensity 1.200 cd/lm LEDs/each optic 1

White Light colour Required components:

C16142_HEKLA-SOCKET-K



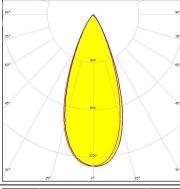


CITIZEN

LED CLC020 Series (Dim-To-Warm)

FWHM 42.0° Efficiency 66 % Peak intensity 1.300 cd/lm

LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K

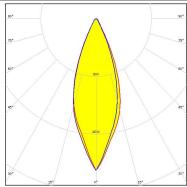


CITIZEN

CLL02x/CLU02x (LES10)

FWHM 45.0° Efficiency 73 % 1.200 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C

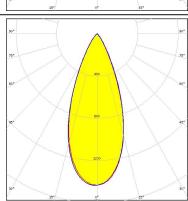




PHOTOMETRIC DATA (MEASURED):

CITIZEN LED CLU700/701 **FWHM** 37.0° Efficiency 76 % Peak intensity 1.700 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C **CITIZEN** LED CLU710/711 **FWHM** 41.0° 73 %





CITIZEN

LEDs/each optic 1

Required components:

F15859_HEKLA-SOCKET-I

Efficiency Peak intensity

Light colour

LED CLU7A2 (LES 4.2mm)

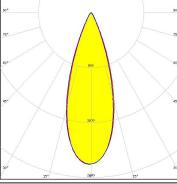
1.436 cd/lm

White

FWHM 37.0° Efficiency 78 % Peak intensity 1.800 cd/lm

LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C





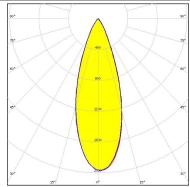
CITIZEN

CLU7B2 **FWHM** 35.0° Efficiency 80 % Peak intensity 1.971 cd/lm

LEDs/each optic 1 White Light colour Required components:

F15255_HEKLA-SOCKET-C







PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED LCN-C01B (Tunable White)

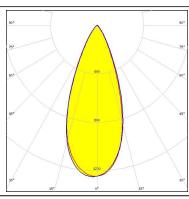
White

FWHM 41.0° Efficiency 66 % Peak intensity 1.300 cd/lm LEDs/each optic 1

Required components:

C16142_HEKLA-SOCKET-K





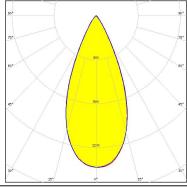
CREE ÷

Light colour

LED CMA1516 **FWHM** 45.0° 77 % Efficiency Peak intensity 1.400 cd/lm

LEDs/each optic 1 Light colour White Required components: F15256_HEKLA-SOCKET-D



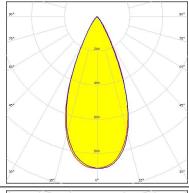


CREE ÷

LED CMT14xx **FWHM** 45.0° Efficiency 50 % Peak intensity 0.900 cd/lm

LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C





MUMILEDS

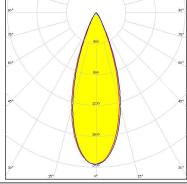
LED LUXEON CoB 1202HD

FWHM 36.0° Efficiency 78 % 1.970 cd/lm Peak intensity

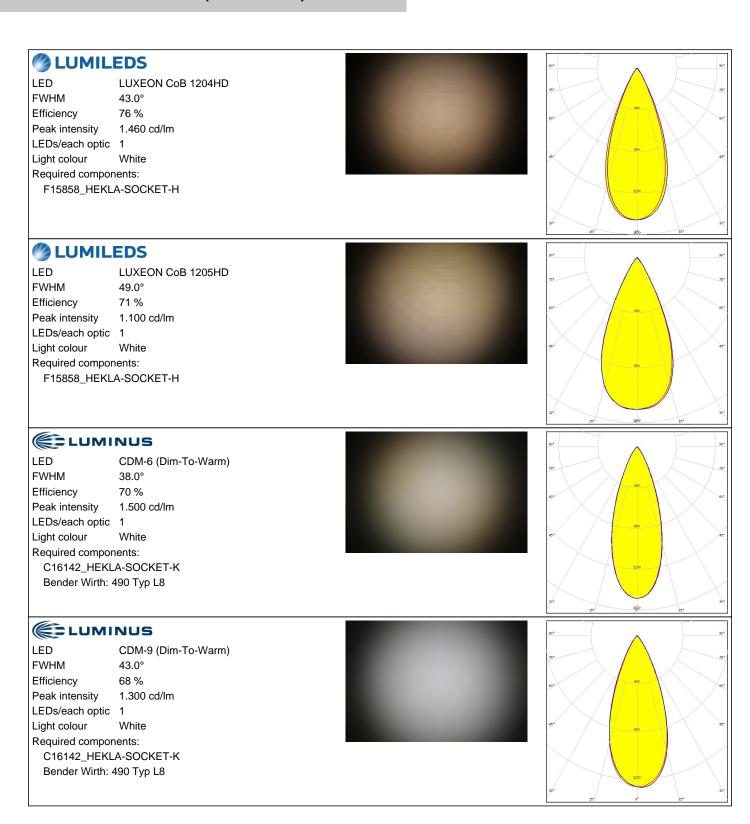
LEDs/each optic 1 White Light colour Required components:

F15848_HEKLA-SOCKET-G

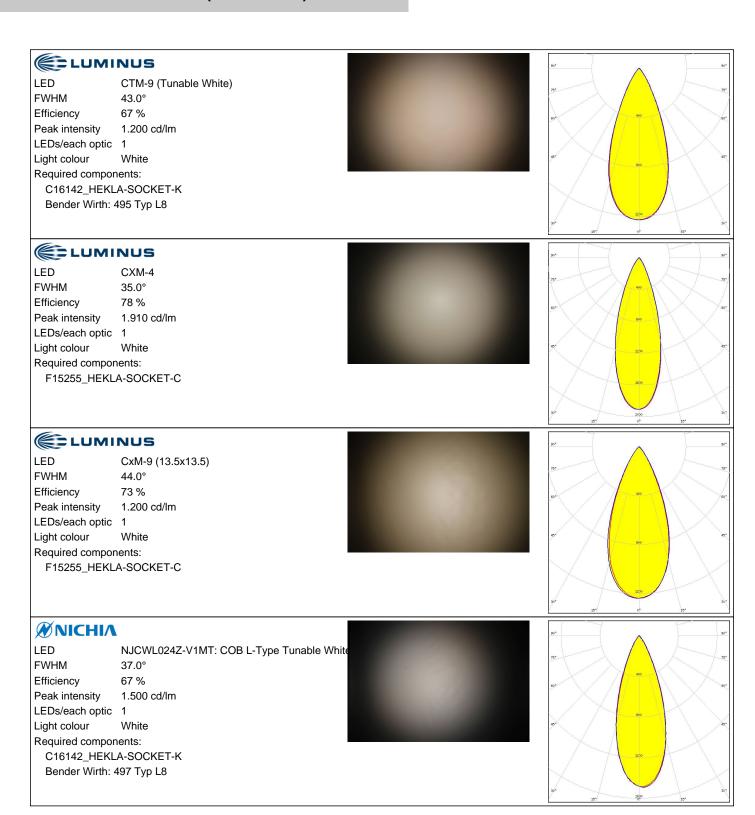














PHOTOMETRIC DATA (MEASURED):

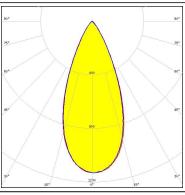
WNICHIA

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM 44.0° 66 % Efficiency Peak intensity 1.100 cd/lm LEDs/each optic 1

Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8





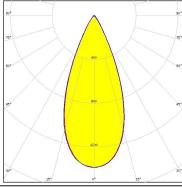
LED Fortimo SLM L09 CoB

FWHM 44.0° 75 % Efficiency Peak intensity 1.400 cd/lm

LEDs/each optic 1 Light colour White Required components:

F15858_HEKLA-SOCKET-H





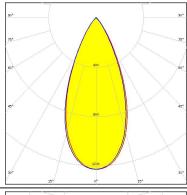
SAMSUNG

LED COB D Series LES 9.8 mm

FWHM 45.0° Efficiency 74 % Peak intensity 1.200 cd/lm

LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C



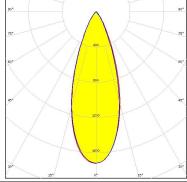


SAMSUNG

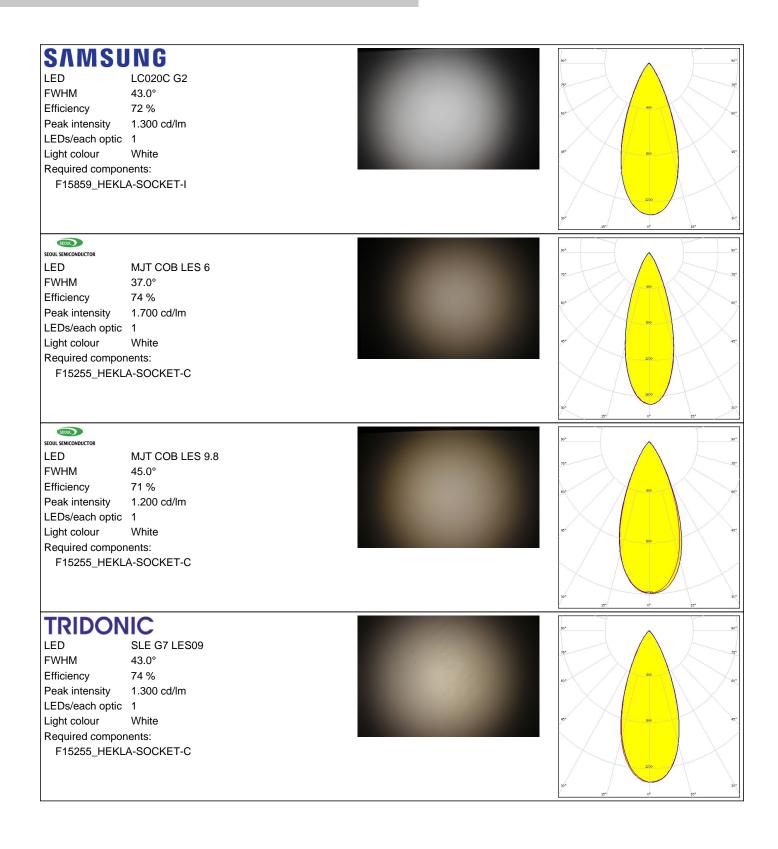
LED LC010C G2 **FWHM** 37.0° Efficiency 76 % 1.700 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C











PHOTOMETRIC DATA (MEASURED):

TRIDONIC LED SLE G7 LES13 **FWHM** 54.0° Efficiency 66 % Peak intensity 0.860 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I **XICATO** LED XOB 6 mm **FWHM** 38.0° 76 % Efficiency Peak intensity 1.679 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C **XICATO** LED XOB 9.8 mm **FWHM** 43.0° Efficiency 74 % Peak intensity 1.324 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C **XICATO** XTM - 19mm LES **FWHM** 58.0° Efficiency 61 % 0.690 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: C16058_XTM-ADAPTER-50-C



PHOTOMETRIC DATA (SIMULATED):

bridgelux

 LED
 VERO10

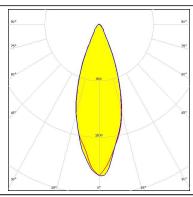
 FWHM
 36.6°

 Efficiency
 0 %

 Peak intensity
 2.150 cd/lm

LEDs/each optic 1 Light colour White Required components:

F15616_HEKLA-SOCKET-F



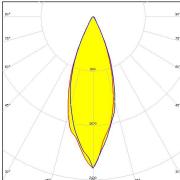
CREE 🕏

LED CXA/B 15xx FWHM 35.8° Efficiency %

Peak intensity 2.260 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15256_HEKLA-SOCKET-D

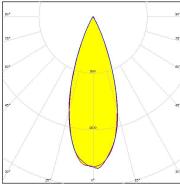


WNICHIA

LED COB T-Type
FWHM 36.0°
Efficiency 78 %
Peak intensity 2.180 cd/lm

LEDs/each optic 1
Light colour White
Required components:

F15848_HEKLA-SOCKET-G



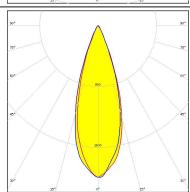
TRIDONIC

LED SLE G6 LES10

FWHM 34.0°
Efficiency 68 %
Peak intensity 2.000 cd/lm

LEDs/each optic 1 Light colour White Required components:

F15255_HEKLA-SOCKET-C



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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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