

CARMEN-W-C

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

TECHNICAL SPECIFICATIONS:

Dimensions Ø 69.5 mm

Height 41.5 mm

Fastening socket

ROHS compliant yes 10



Component Type Material Colour Finish

CARMEN-W Single lens PMMA
CARMEN-HLD-C Holder PC

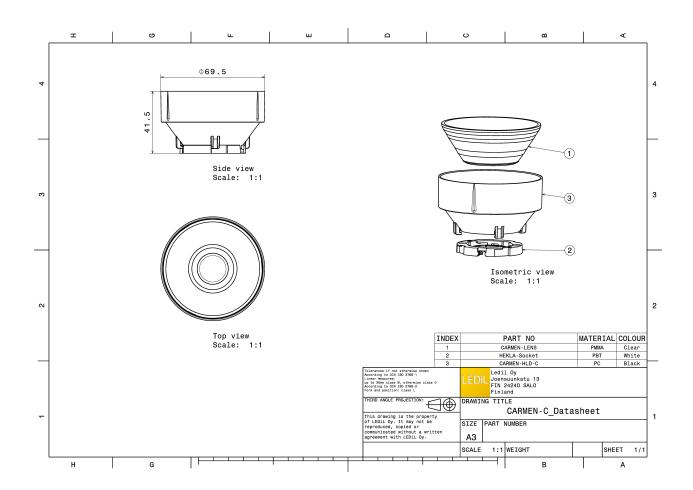
ORDERING INFORMATION:

Component Qty in box MOQ MPQ Box weight (kg)

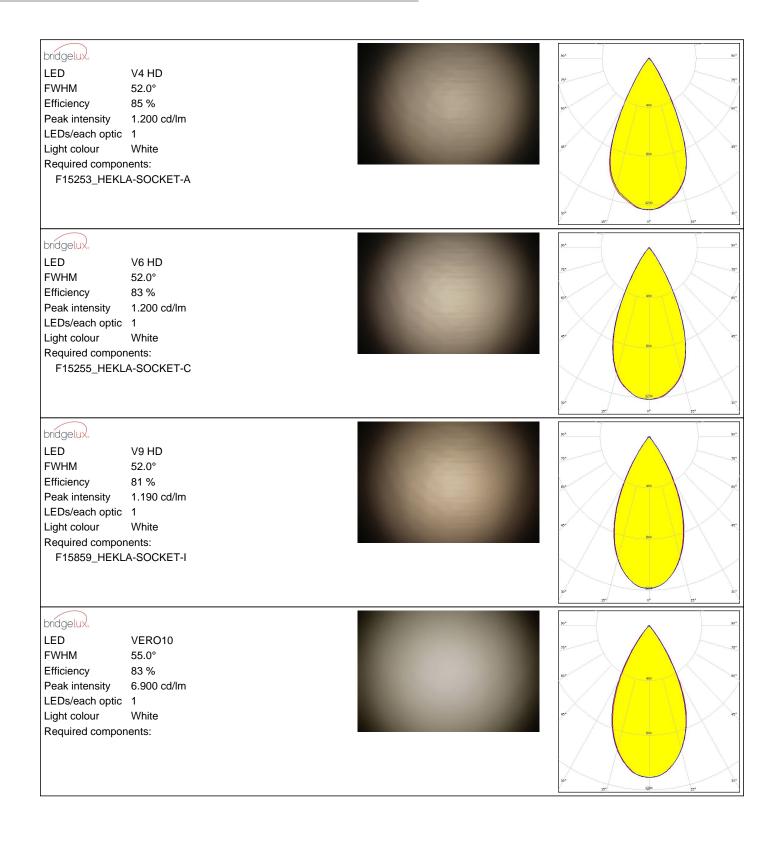
CP15776_CARMEN-W-C Single lens 150 150 15 4.5

» Box size: 476 x 273 x 292 mm

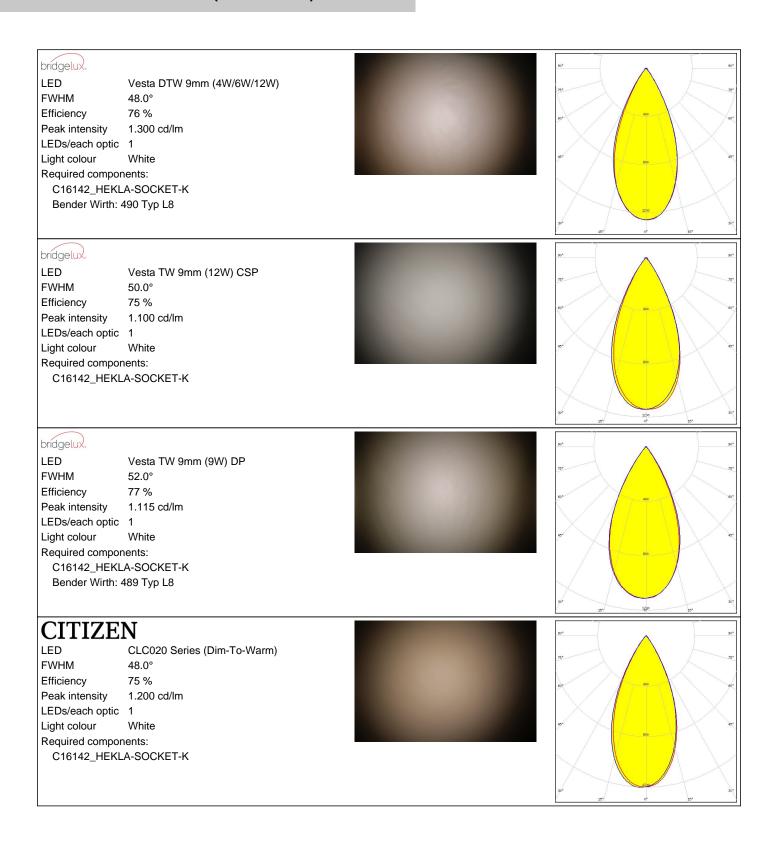














PHOTOMETRIC DATA (MEASURED):

CITIZEN

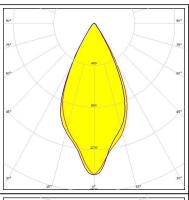
LED CLL02x/CLU02x (LES10)

FWHM 54.0° 82 % Efficiency Peak intensity 1.100 cd/lm LEDs/each optic 1

Light colour White Required components:

F15255_HEKLA-SOCKET-C





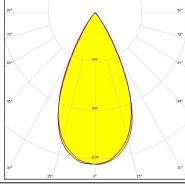
CITIZEN

LED CLU700/701/702

FWHM 52.0° Efficiency Peak intensity 1.200 cd/lm

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

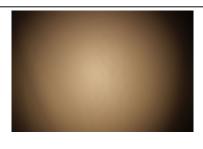


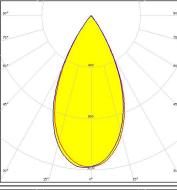


CITIZEN

LED CLU710/711 **FWHM** 52.0° Efficiency 81 % Peak intensity 1.183 cd/lm

LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I





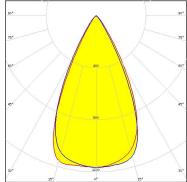
CITIZEN

LED CLU7A2 (LES 4.2mm)

FWHM 54.0° Efficiency 86 % Peak intensity 1.200 cd/lm

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



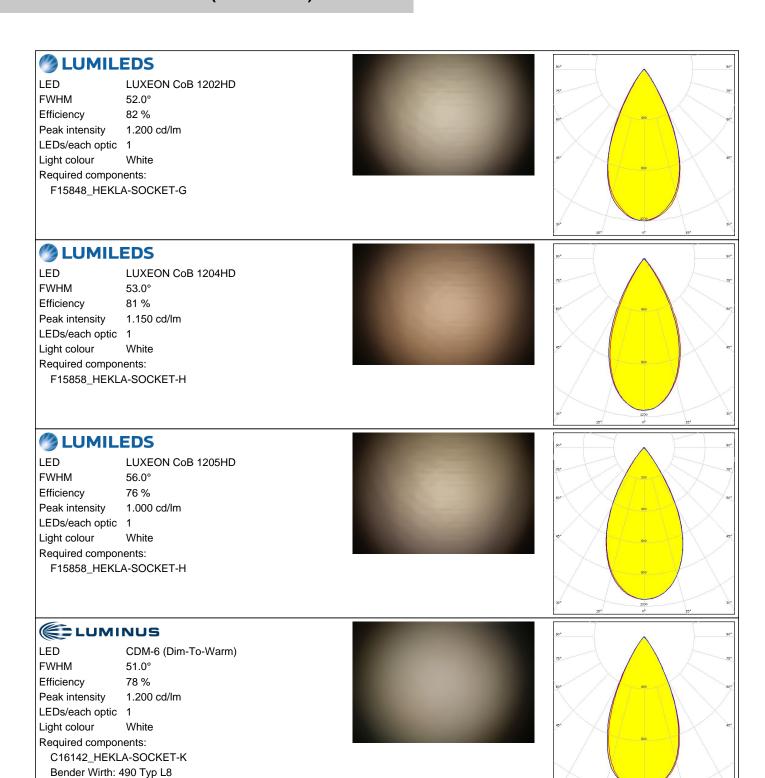




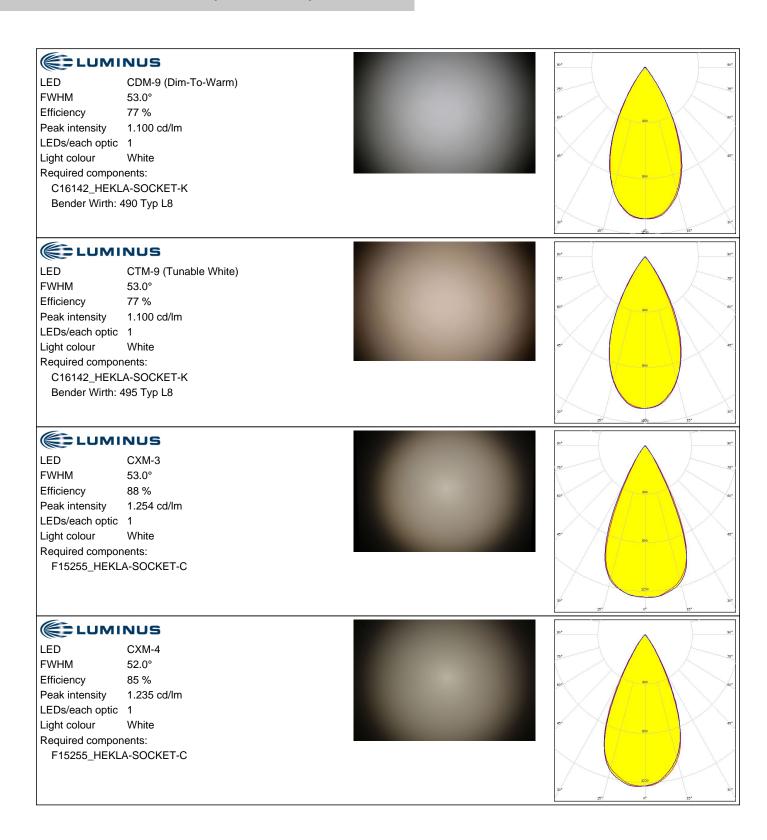
PHOTOMETRIC DATA (MEASURED):

CITIZEN LED CLU7B2 **FWHM** 53.0° Efficiency 86 % Peak intensity 1.210 cd/lm LEDs/each optic 1 Light colour White Required components: **CITIZEN** LED LCN-C01B (Tunable White) **FWHM** 49.0° 74 % Efficiency Peak intensity 1.200 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K CREE ÷ LED CMA1516 **FWHM** 55.0° Efficiency 82 % Peak intensity 1.100 cd/lm LEDs/each optic 1 Light colour White Required components: F15256_HEKLA-SOCKET-D CREE \$ LED CMT14xx **FWHM** 45.0° Efficiency 75 % 1.300 cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C











PHOTOMETRIC DATA (MEASURED):



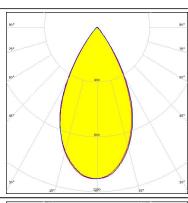
LED CxM-9 (13.5x13.5)

FWHM 53.0° Efficiency 81 % Peak intensity 1.100 cd/lm LEDs/each optic 1

Light colour White Required components:

F15255_HEKLA-SOCKET-C





WNICHIA

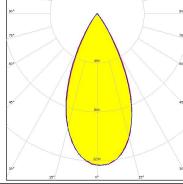
LED NJCWL024Z-V1MT: COB L-Type Tunable White

FWHM 48.0° Efficiency 76 % Peak intensity 1.240 cd/lm LEDs/each optic 1

Light colour White
Required components:
C16142_HEKLA-SOCKE

C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8





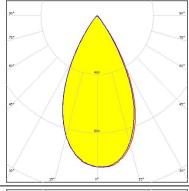
*W***NICHIA**

LED NVCWJ024Z-V1MT: COB J-Type Tunable White

FWHM 53.0°
Efficiency 74 %
Peak intensity 1.000 cd/lm
LEDs/each optic 1

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





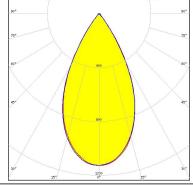
PHILIPS

LED Fortimo SLM L09 CoB

FWHM 54.0° Efficiency 81 % Peak intensity 1.130 cd/lm

LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H





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PHOTOMETRIC DATA (MEASURED):

SAMSUNG

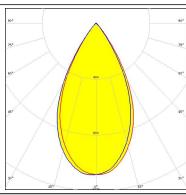
LED COB D Series LES 9.8 mm

FWHM 55.0° Efficiency 82 % Peak intensity 1.100 cd/lm LEDs/each optic 1

Light colour White Required components:

F15255_HEKLA-SOCKET-C



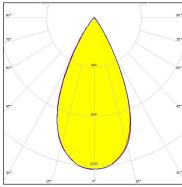


SAMSUNG

LED LC010C G2
FWHM 52.0°
Efficiency 84 %
Peak intensity 1.200 cd/lm

Peak intensity 1.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C





SAMSUNG

LED LC010T (Tunable White)

FWHM 51.0° Efficiency 76 % Peak intensity 1.130 cd/lm

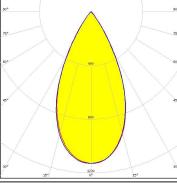
LEDs/each optic 1

Light colour Tunable White

Required components:

C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8



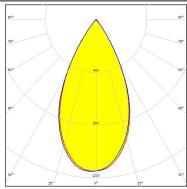


SAMSUNG

LED LC020C G2
FWHM 52.0°
Efficiency 80 %
Peak intensity 1.200 cd/lm
LEDs/each optic 1

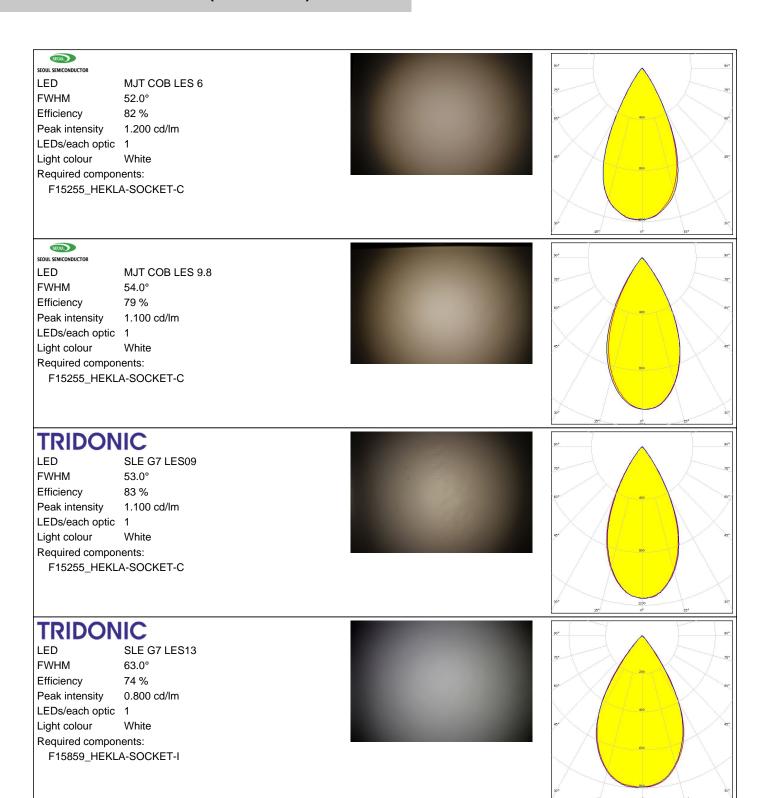
Light colour White
Required components:
F15859_HEKLA-SOCKET-I





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PHOTOMETRIC DATA (MEASURED):

XICATO LED XOB 6 mm **FWHM** 53.0° Efficiency 83 % Peak intensity 1.197 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C **XICATO** LED **XOB 9.8 mm FWHM** 53.0° 83 % Efficiency Peak intensity 1.144 cd/lm LEDs/each optic 1 White Light colour Required components: F15255_HEKLA-SOCKET-C **XICATO** LED XTM - 19mm LES **FWHM** 64.0° Efficiency 66 % Peak intensity 0.650 cd/lm LEDs/each optic 1 Light colour White Required components: C16058_XTM-ADAPTER-50-C



PHOTOMETRIC DATA (SIMULATED):

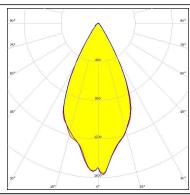
bridgelux

LED VERO10 **FWHM** 50.7° 0 % Efficiency

Peak intensity 1.600 cd/lm

LEDs/each optic 1 Light colour White Required components:

F15616_HEKLA-SOCKET-F

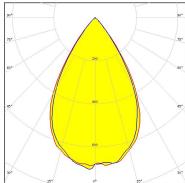


CITIZEN

LED CLL03x/CLU03x

FWHM 63.0° 66 % Efficiency Peak intensity 0.712 cd/lm

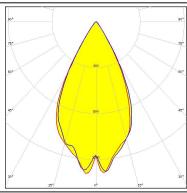
LEDs/each optic 1 White Light colour Required components: F15859_HEKLA-SOCKET-I



CREE +

LED CXA/B 15xx **FWHM** 53.5° Efficiency 0 % Peak intensity 1.365 cd/lm

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

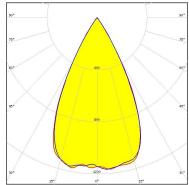


WNICHIA

LED COB T-Type **FWHM** 54.0° Efficiency 84 % 1.200 cd/lm Peak intensity

LEDs/each optic 1 White Light colour Required components:

F15848_HEKLA-SOCKET-G





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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