CARMEN-M2-C

~25° medium 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

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
CARMEN-M2	Single lens	PMMA	clear	
CARMEN-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17137_CARMEN-M2-C » Box size: 480 x 280 x 300 mm	Single lens	150	150	15	8.8

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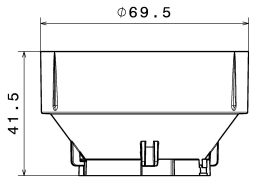
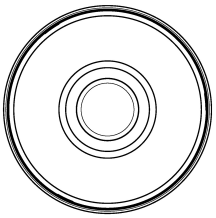
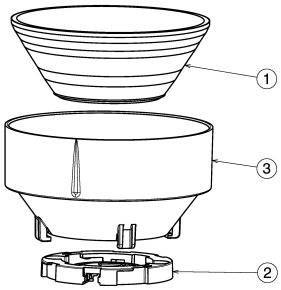


Side view
Scale: 1:1



Top view
Scale: 1:1



Isometric view
Scale: 1:1

INDEX	PART NO	MATERIAL	COLOUR
1	CARMEN-LENS	PMMA	Clear
2	HEKLA-Socket	PBT	White
3	CARMEN-HLD-C	PC	Black

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
up to 30mm class M, otherwise class C
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
CARMEN-C_Datasheet

SIZE A3
PART NUMBER

SCALE 1:1
WEIGHT
SHEET 1/1

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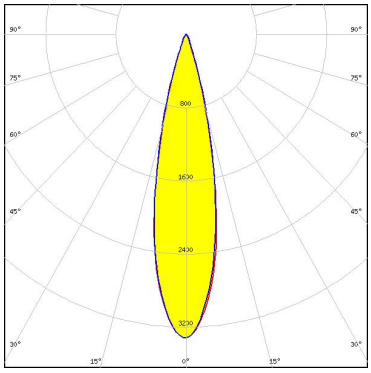
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLU710/711
FWHM	24.0°
Efficiency	63 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

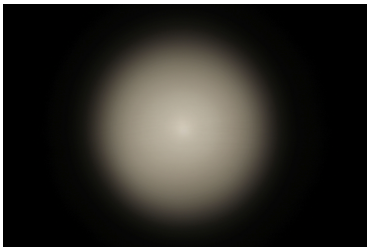
Required components:
F15859_HEKLA-SOCKET-I

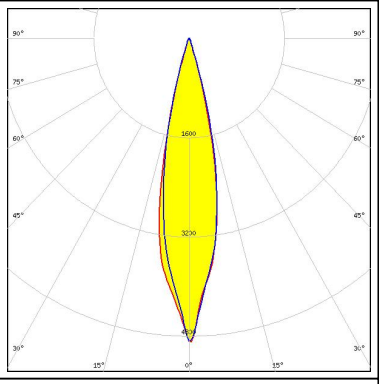


CITIZEN

LED	CLU7B2
FWHM	22.0°
Efficiency	71 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C

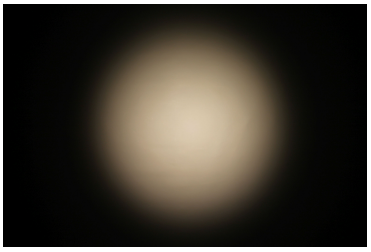


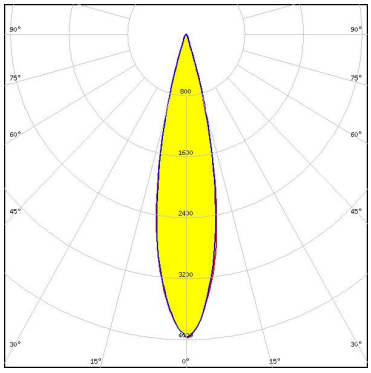


LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM	23.0°
Efficiency	66 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla

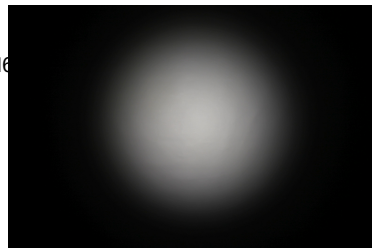


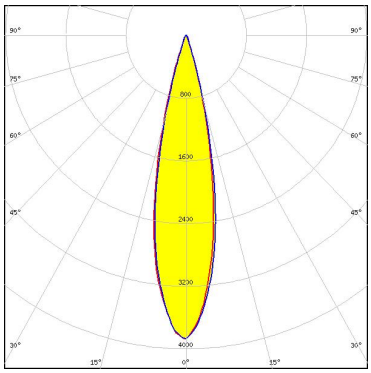


LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6
FWHM	23.0°
Efficiency	65 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla





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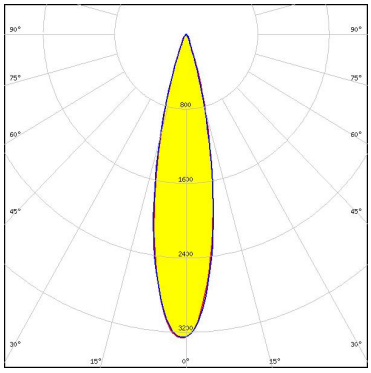
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM	23.0°
Efficiency	61 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

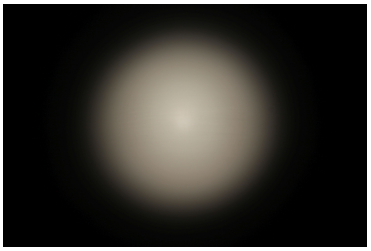
Required components:
Bender Wirth: 634c Hekla

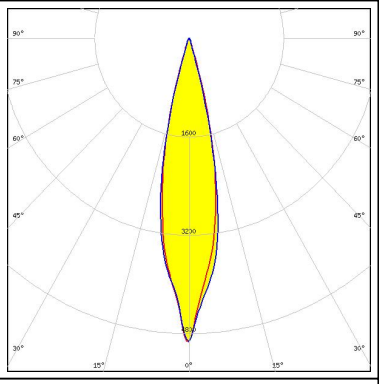


LUMINUS

LED	CXM-3
FWHM	22.0°
Efficiency	71 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C

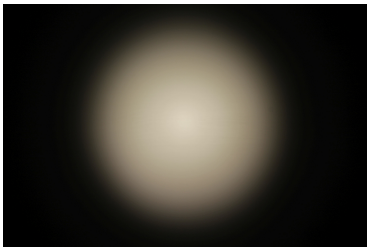


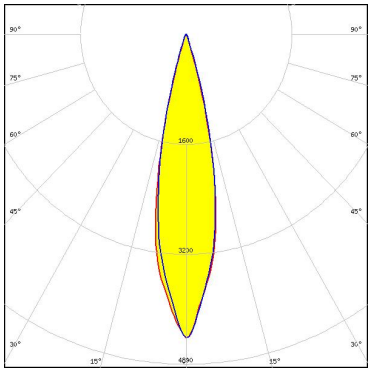


LUMINUS

LED	CXM-4
FWHM	23.0°
Efficiency	69 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C

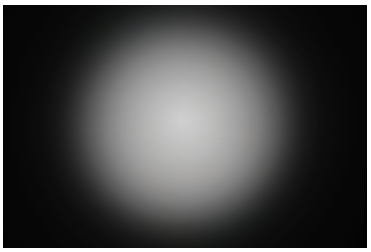


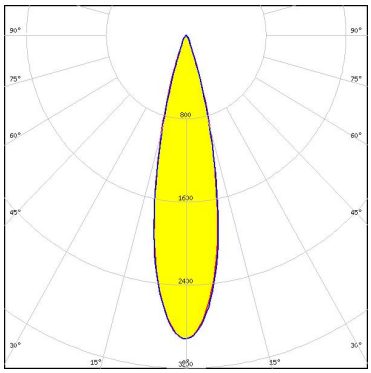


SAMSUNG

LED	LC010T (Tunable White)
FWHM	24.0°
Efficiency	59 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	Tunable White

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





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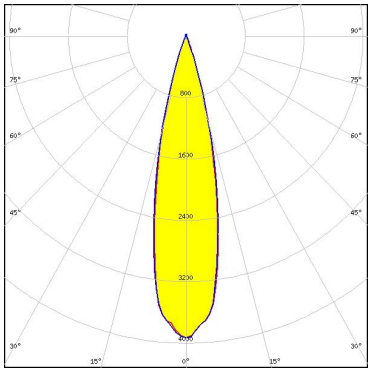
PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V4 HD
FWHM	24.0°
Efficiency	73 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour	White

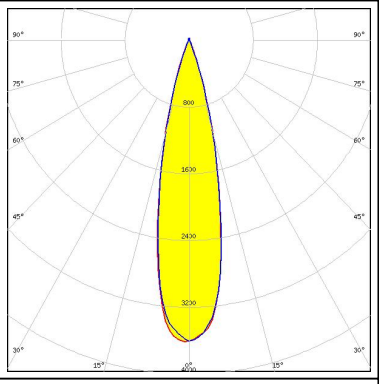
Required components:
F15253_HEKLA-SOCKET-A



bridgelux

LED	V6 HD
FWHM	24.0°
Efficiency	69 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White

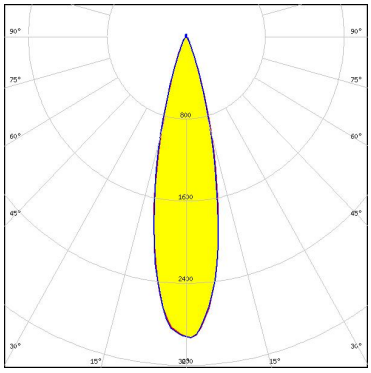
Required components:
F15255_HEKLA-SOCKET-C



CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	24.0°
Efficiency	63 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

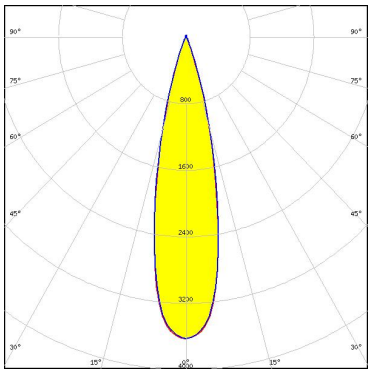
Required components:
F15255_HEKLA-SOCKET-C



CITIZEN

LED	CLU700/701/702
FWHM	24.0°
Efficiency	70 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



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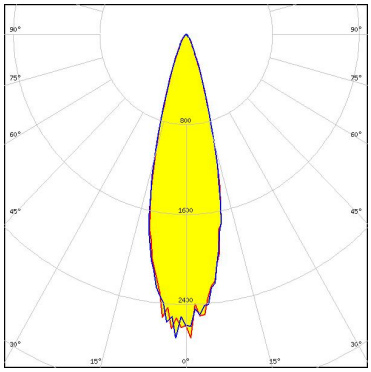
PHOTOMETRIC DATA (SIMULATED):

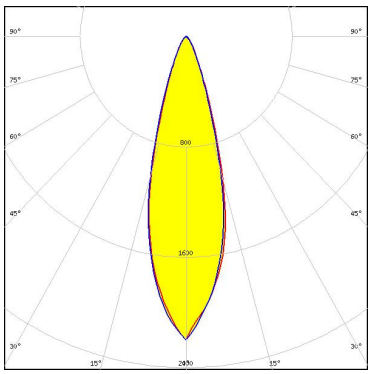
CREE

LED	CMA1825
FWHM	26.0°
Efficiency	69 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



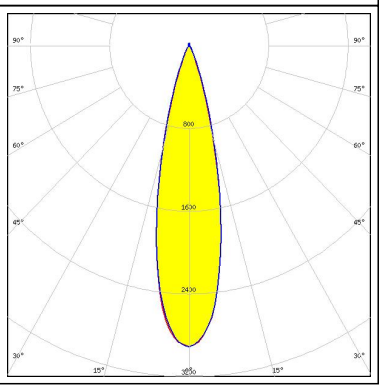
CREE

LED	CMA1840
FWHM	29.0°
Efficiency	66 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM	25.0°
Efficiency	62 %
Peak intensity	2.9 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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