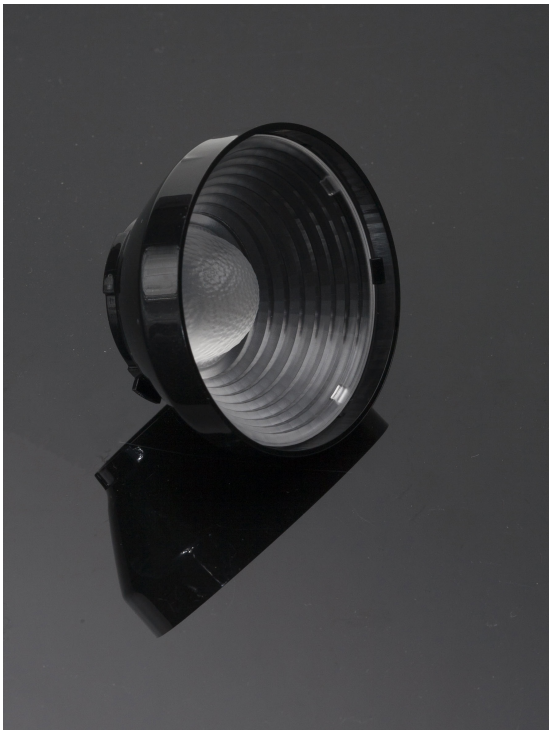
CARMEN-50-M-C

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



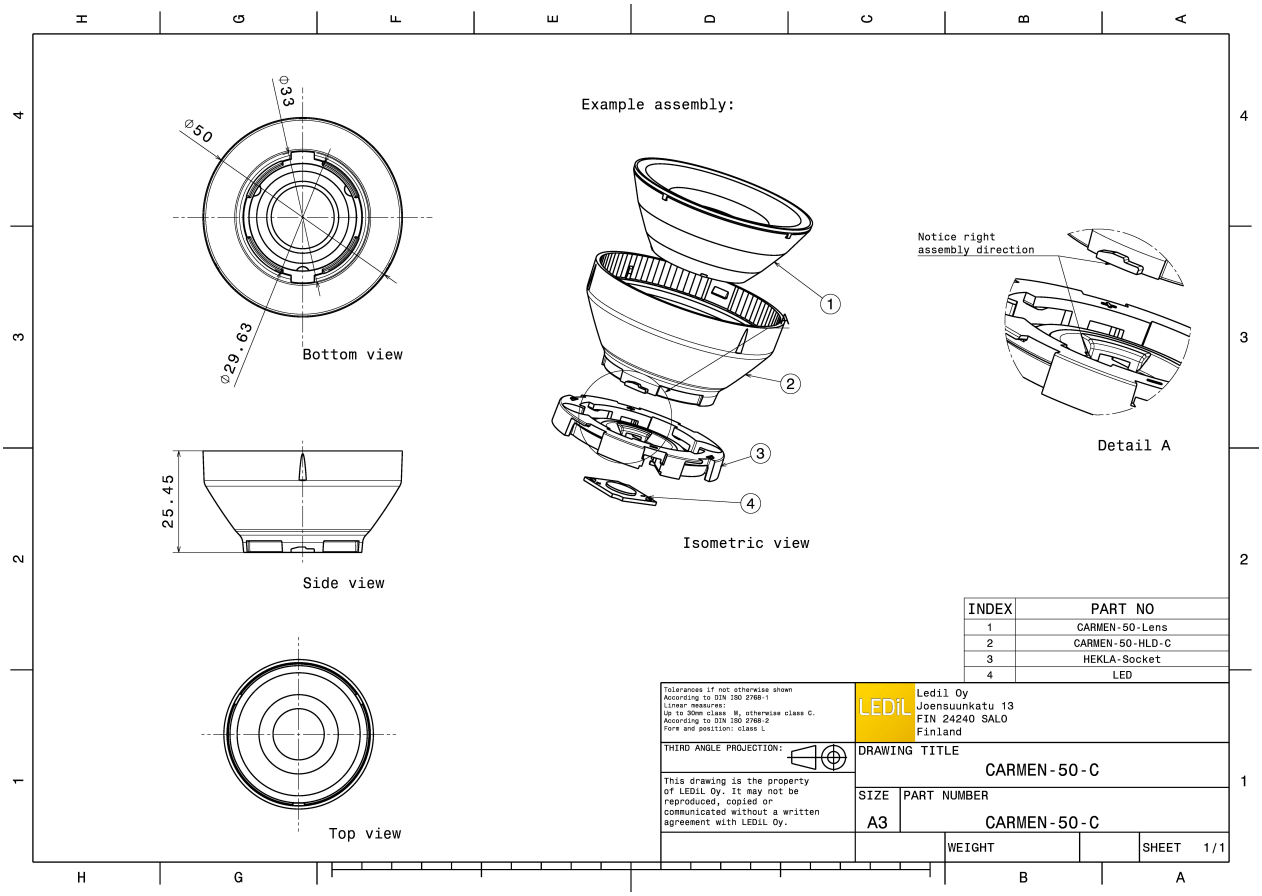
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50 mm
Height	25.5 mm
Fastening	socket
Colour	black
Box size	476 x 273 x 292 mm
Box weight	5.9 kg
Quantity in Box	308 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
CARMEN-50-M	Lens	PMMA	clear
CARMEN-50-HLD-C	Holder	PC	black

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INDEX	PART NO
1	CARMEN-50-Lens
2	CARMEN-50-HLD-C
3	HEKLA-Socket
4	LED

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

Ledil Oy
Joensuunkatu 13
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CARMEN-50-C

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SIZE A3

PART NUMBER
CARMEN-50-C

WEIGHT

SHEET 1/1

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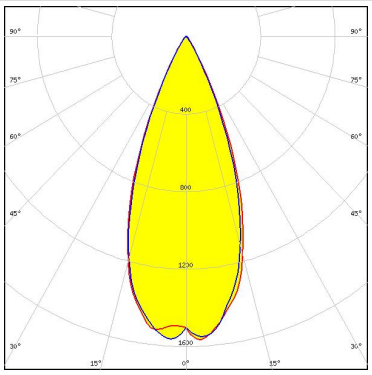
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	46.0°
Efficiency	76 %
Peak intensity	1.200 cd/lm

Required components:
F15255_HEKLA-SOCKET-C



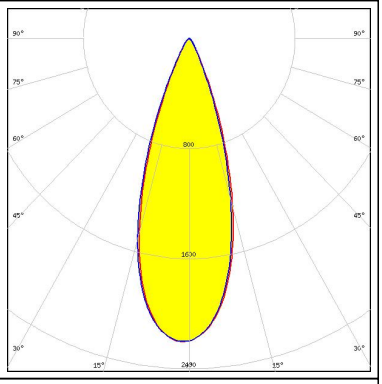


CITIZEN

LED	CLU LES 4.2mm (HI-Ver.3)
FWHM	35.0°
Efficiency	84 %
Peak intensity	2.200 cd/lm

Required components:
F15255_HEKLA-SOCKET-C



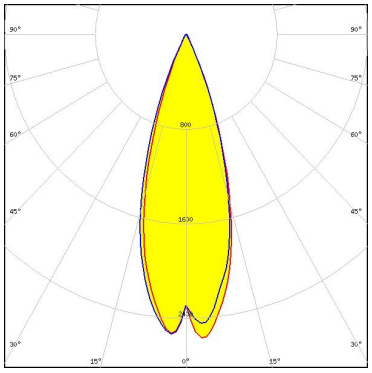


CITIZEN

LED	CLU700/701
FWHM	36.0°
Efficiency	80 %
Peak intensity	1.900 cd/lm

Required components:
F15255_HEKLA-SOCKET-C



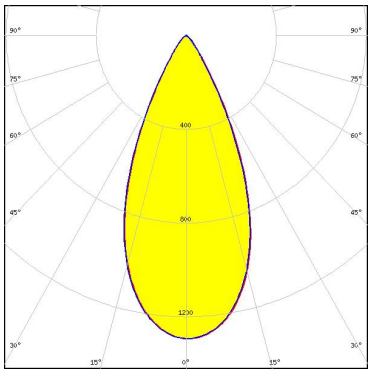


CREE

LED	CMA1516
FWHM	46.0°
Efficiency	79 %
Peak intensity	1.300 cd/lm

Required components:
F15256_HEKLA-SOCKET-D





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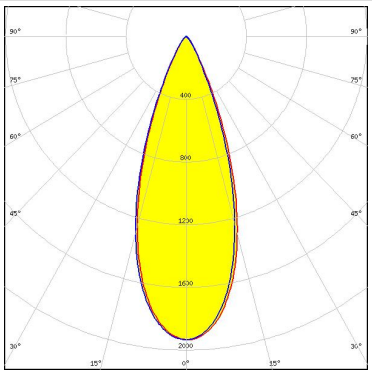
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 13xx
FWHM	37.0°
Efficiency	83 %
Peak intensity	1.900 cd/lm

Required components:
F15956_HEKLA-SOCKET-J



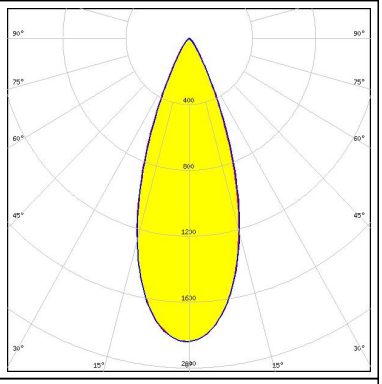


CREE

LED	CXA/B 13xx
FWHM	38.0°
Efficiency	83 %
Peak intensity	1.800 cd/lm

Required components:
F15956_HEKLA-SOCKET-J



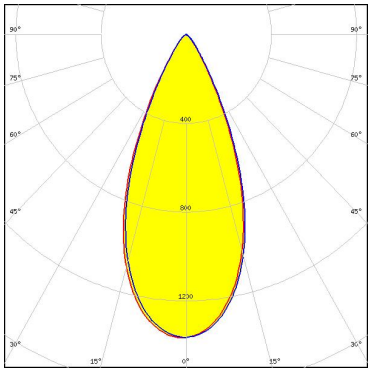


CREE

LED	CXA/B 15xx
FWHM	45.0°
Efficiency	79 %
Peak intensity	1.400 cd/lm

Required components:
F15256_HEKLA-SOCKET-D

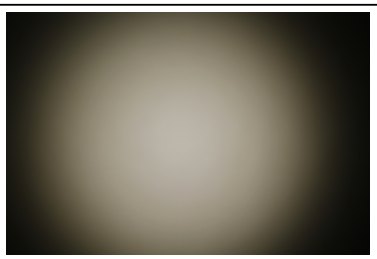


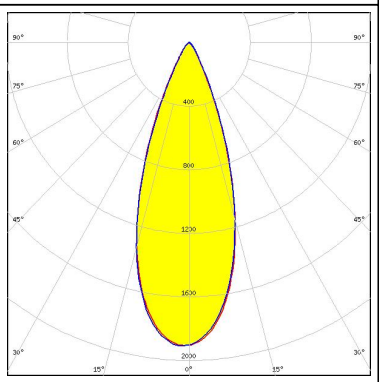


LUMILEDS

LED	LUXEON CoB 1202s
FWHM	37.0°
Efficiency	81 %
Peak intensity	1.900 cd/lm

Required components:
F15848_HEKLA-SOCKET-G





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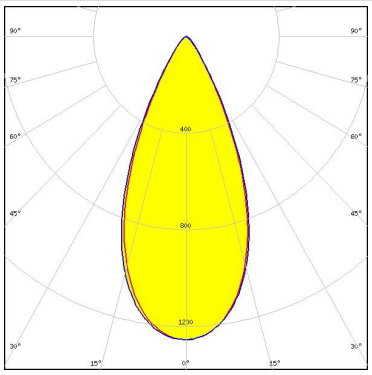
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CXM-9
FWHM	46.0°
Efficiency	77 %
Peak intensity	1.300 cd/lm

Required components:
F15255_HEKLA-SOCKET-C



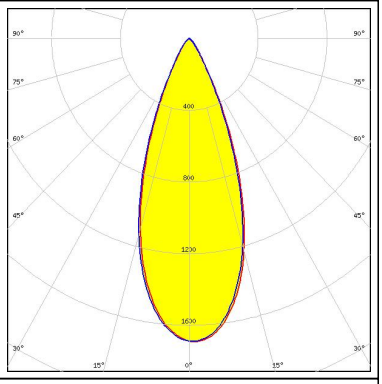


NICHIA

LED	COB S-Type (LES 7)
FWHM	39.0°
Efficiency	80 %
Peak intensity	1.700 cd/lm

Required components:
F15848_HEKLA-SOCKET-G



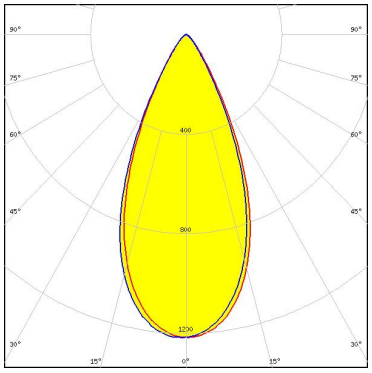


SAMSUNG

LED	COB D Series LES 9.8 mm
FWHM	47.0°
Efficiency	77 %
Peak intensity	1.200 cd/lm

Required components:



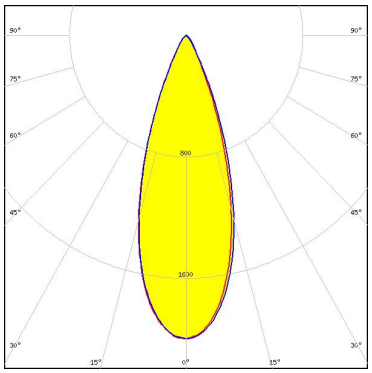


SAMSUNG

LED	LC010C G2
FWHM	36.0°
Efficiency	80 %
Peak intensity	2.000 cd/lm

Required components:
F15255_HEKLA-SOCKET-C





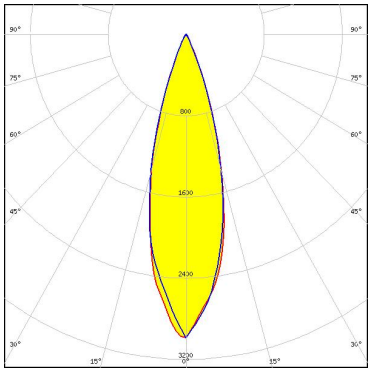
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PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V6 Gen6
FWHM	29.0°
Efficiency	77 %
Peak intensity	3.000 cd/lm

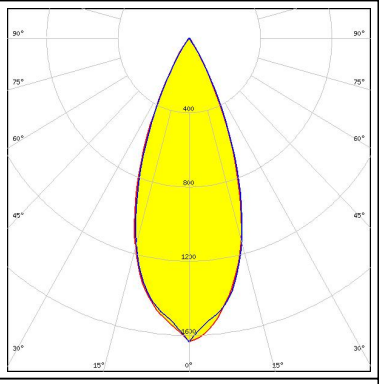
Required components:
F15253_HEKLA-SOCKET-A



bridgelux

LED	VERO10
FWHM	40.0°
Efficiency	74 %
Peak intensity	1.640 cd/lm

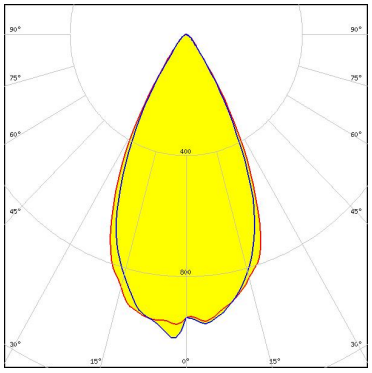
Required components:
F15616_HEKLA-SOCKET-F



bridgelux

LED	VERO13
FWHM	52.0°
Efficiency	73 %
Peak intensity	1.000 cd/lm

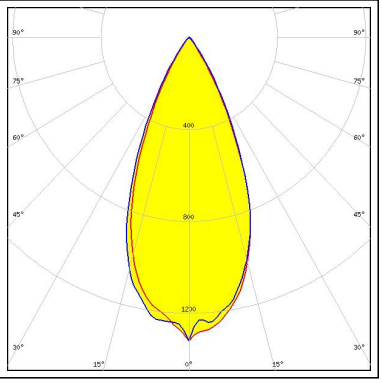
Required components:
C16142_HEKLA-SOCKET-K



TRIDONIC

LED	SLE G5 LES11
FWHM	45.0°
Efficiency	73 %
Peak intensity	1.300 cd/lm

Required components:
F15255_HEKLA-SOCKET-C



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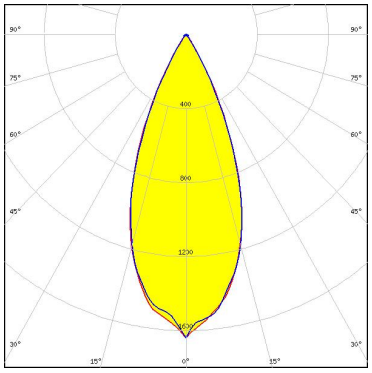
PHOTOMETRIC DATA (SIMULATED):

XICATO

LED	XTM - 9mm LES
FWHM	42.0°
Efficiency	79 %
Peak intensity	1.640 cd/lm

Required components:

C15743_XTM-ADAPTER-50-B



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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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