CARMEN-50-S-C

~24° spot beam. Assembly with holder C compatible with LEDiL HEKLA.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	25.5 mm
Fastening	socket
ROHS compliant	yes

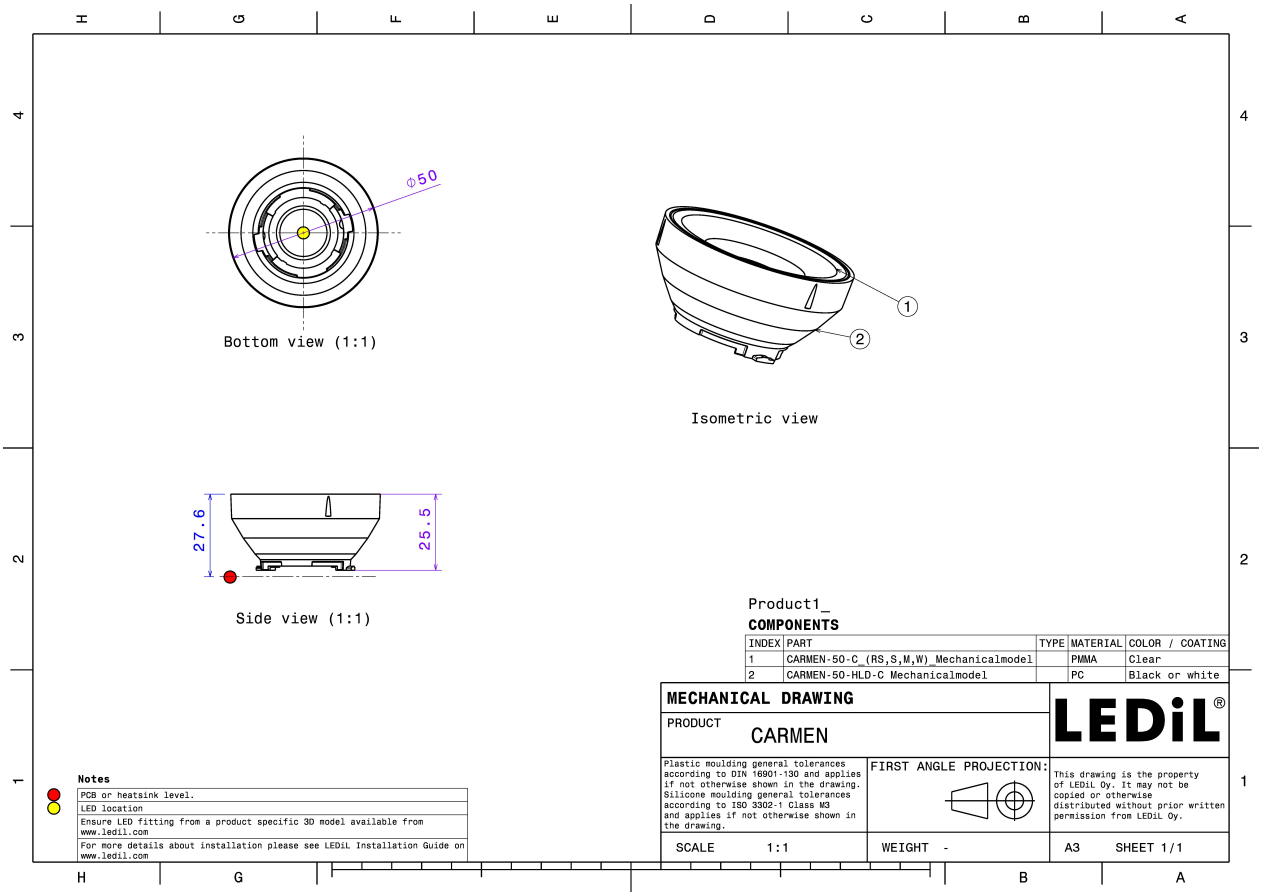
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP16107_CARMEN-50-S-C » Box size: 476 x 273 x 292 mm	Single lens	308	112	28	6.9

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Product1_

COMPONENTS

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	CARMEN-50-C_(RS,S,M,W)_Mechanicalmodel		PMMA	Clear
2	CARMEN-50-HLD-C Mechanicalmodel		PC	Black or white

MECHANICAL DRAWING

PRODUCT CARMEN

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

SCALE 1:1 | WEIGHT - | A3 SHEET 1/1

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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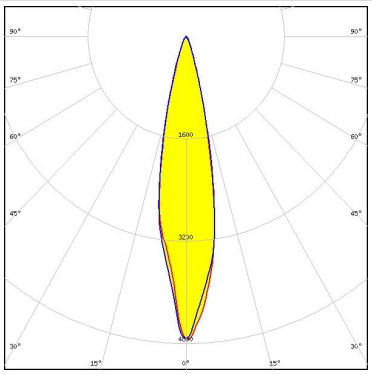
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	V4 HD
FWHM	21.0°
Efficiency	79 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15253_HEKLA-SOCKET-A



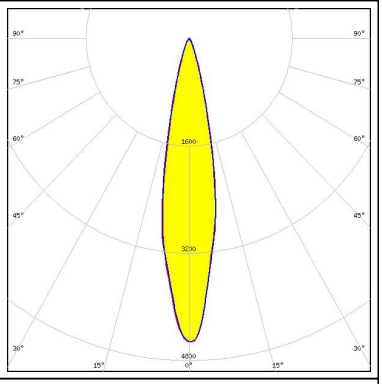


bridgelux

LED	V6 HD
FWHM	20.0°
Efficiency	73 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



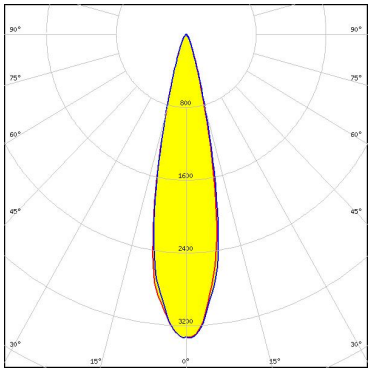


bridgelux

LED	V9 HD
FWHM	23.0°
Efficiency	65 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I



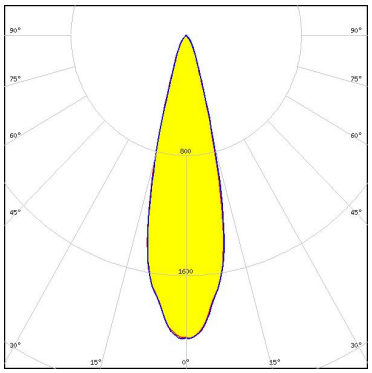


bridgelux

LED	VERO13
FWHM	27.0°
Efficiency	53 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K





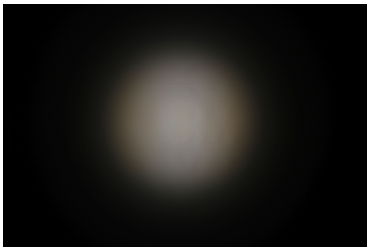
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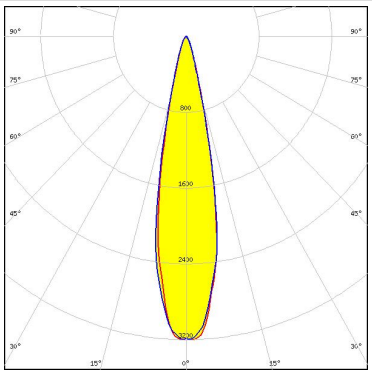
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vesta TW 9mm (9W) DP
FWHM	22.0°
Efficiency	55 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 489 Typ L8

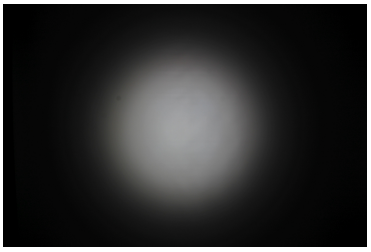


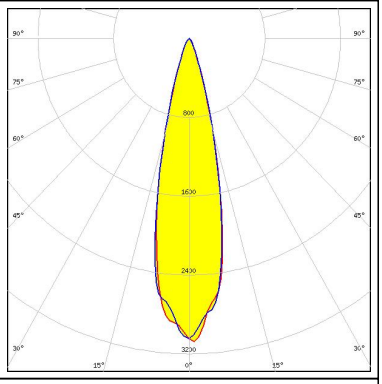


CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	24.0°
Efficiency	66 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C

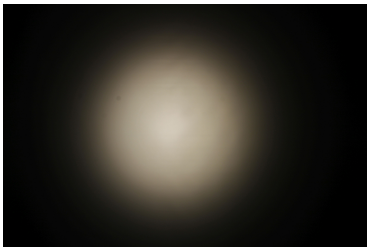


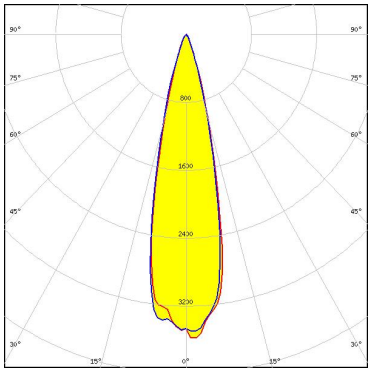


CITIZEN

LED	CLU700/701/702
FWHM	19.0°
Efficiency	73 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



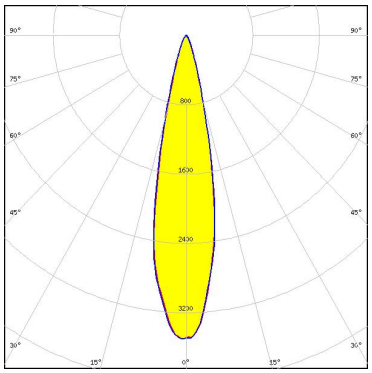


CITIZEN

LED	CLU710/711
FWHM	22.0°
Efficiency	65 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I





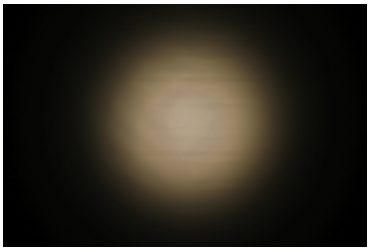
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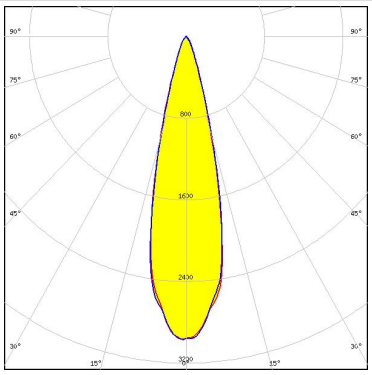
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CMA1516
FWHM	25.0°
Efficiency	68 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15256_HEKLA-SOCKET-D



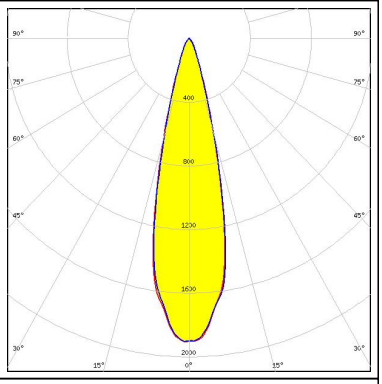


CREE

LED	CMT14xx
FWHM	25.0°
Efficiency	44 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



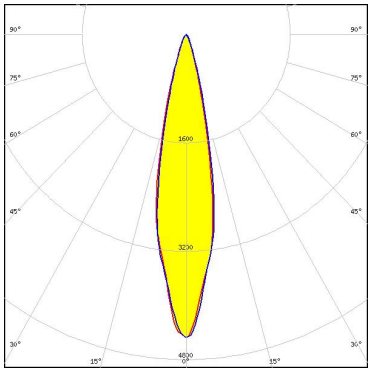


CREE

LED	CXA/B 13xx
FWHM	22.0°
Efficiency	77 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15956_HEKLA-SOCKET-J

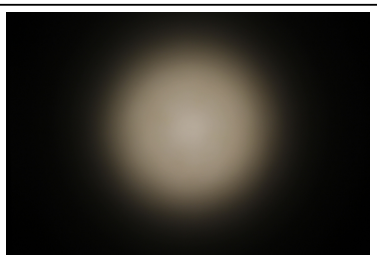


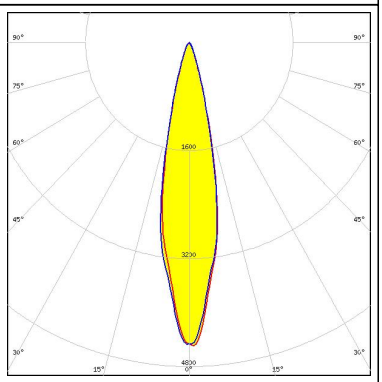


CREE

LED	CXA/B 13xx
FWHM	21.0°
Efficiency	76 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15956_HEKLA-SOCKET-J





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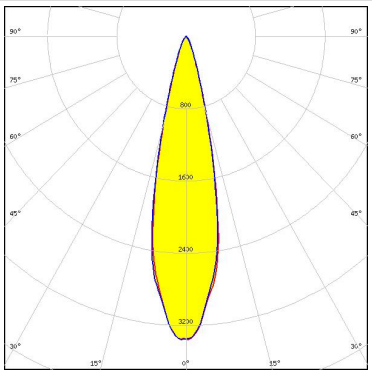
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CXA/B 15xx
FWHM	24.0°
Efficiency	69 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15256_HEKLA-SOCKET-D



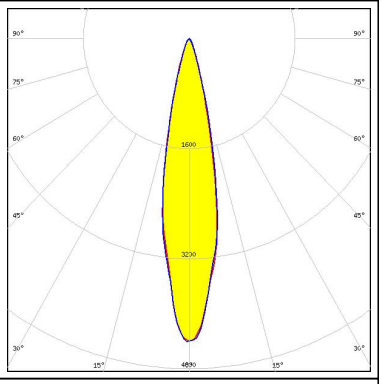


LUMILEDS

LED	LUXEON CoB 1202HD
FWHM	21.0°
Efficiency	73 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15848_HEKLA-SOCKET-G



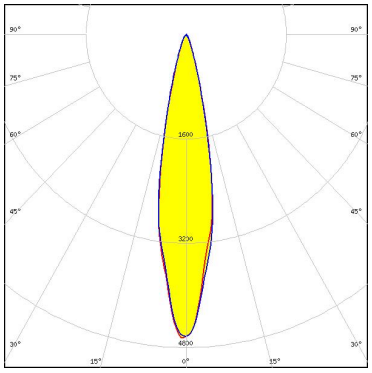


LUMILEDS

LED	LUXEON CoB 1202s
FWHM	21.0°
Efficiency	75 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15848_HEKLA-SOCKET-G

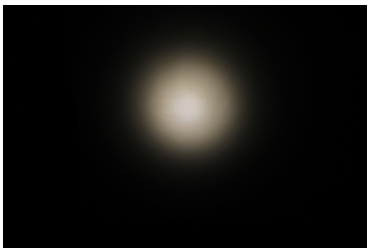


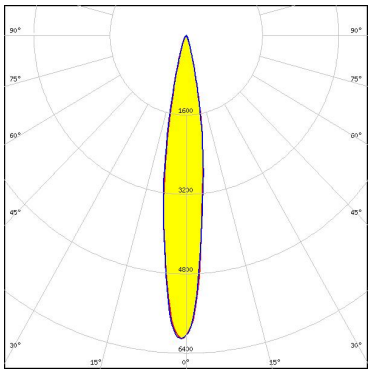


LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM	16.0°
Efficiency	68 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla





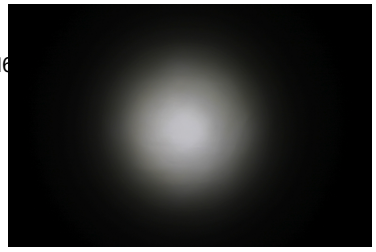
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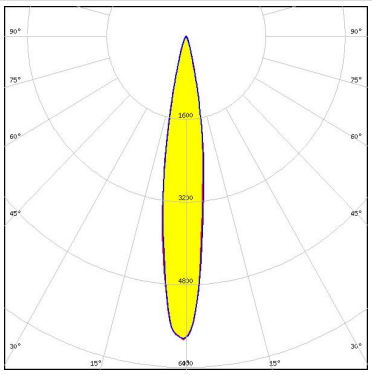
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6
FWHM	16.0°
Efficiency	67 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla



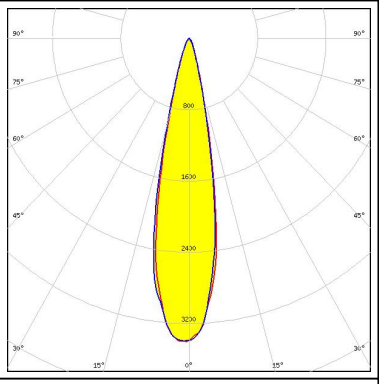


LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM	22.0°
Efficiency	61 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla

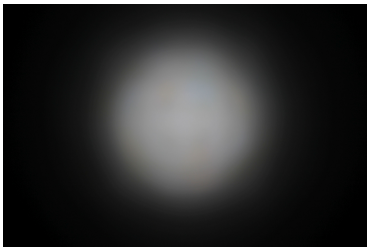


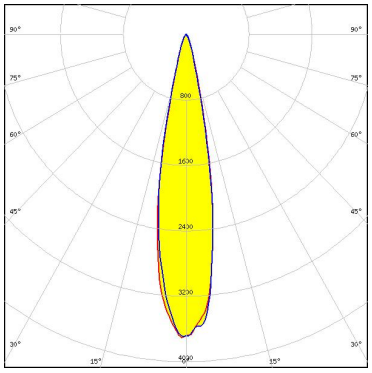


LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM	21.0°
Efficiency	57 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 490 Typ L8

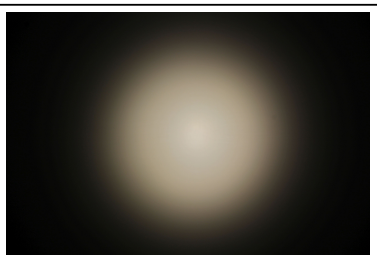


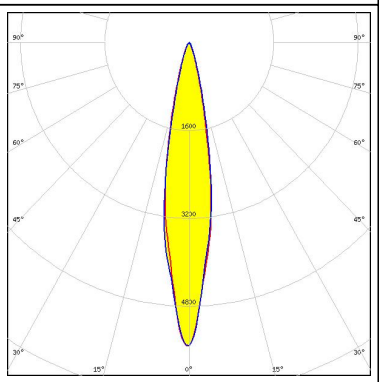


LUMINUS

LED	CXM-4
FWHM	18.0°
Efficiency	76 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C





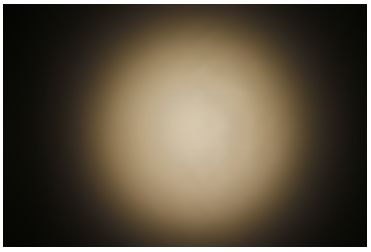
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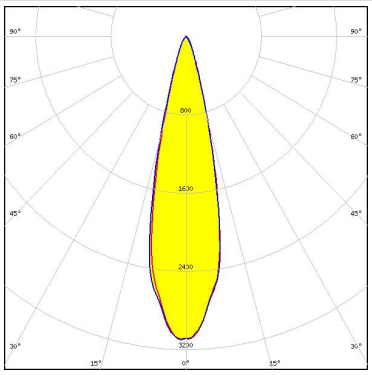
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CxM-9 (13.5x13.5)
FWHM	24.0°
Efficiency	67 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



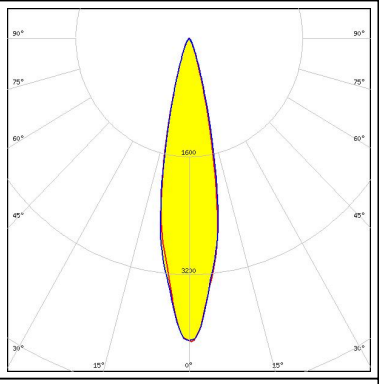


NICHIA

LED	COB S-Type (LES 7)
FWHM	22.0°
Efficiency	73 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15848_HEKLA-SOCKET-G



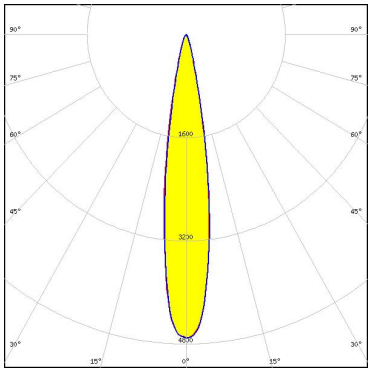


NICHIA

LED	NJCWL024Z-V1MT: COB L-Type Tunable White
FWHM	17.0°
Efficiency	56 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 497 Typ L8



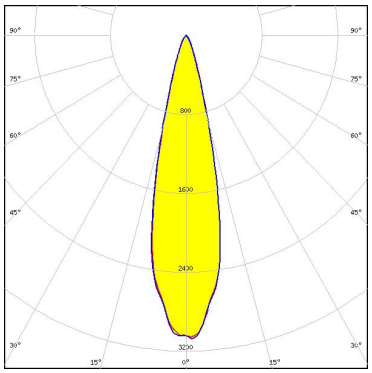


PHILIPS

LED	Fortimo SLM L09 CoB
FWHM	24.0°
Efficiency	65 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15858_HEKLA-SOCKET-H





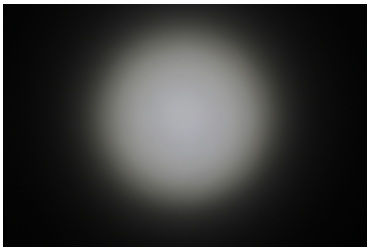
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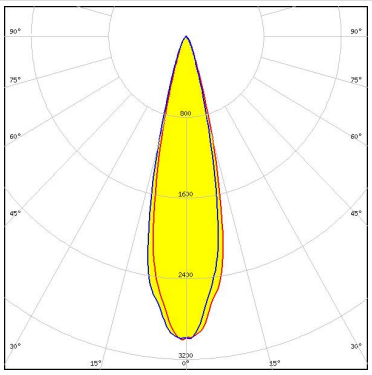
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM	25.0°
Efficiency	67 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



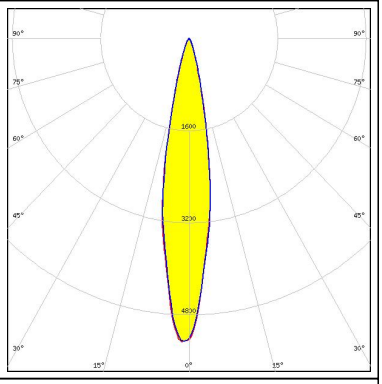


SAMSUNG

LED	LC010C G2
FWHM	19.0°
Efficiency	74 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



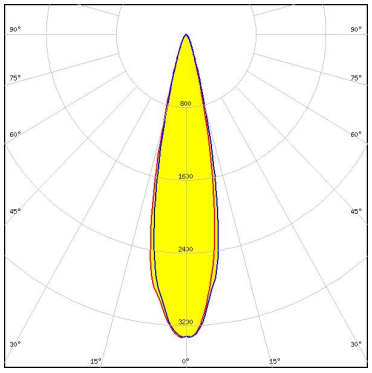


SAMSUNG

LED	LC020C G2
FWHM	23.0°
Efficiency	65 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I

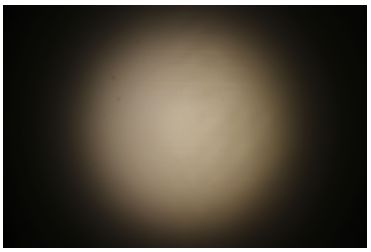


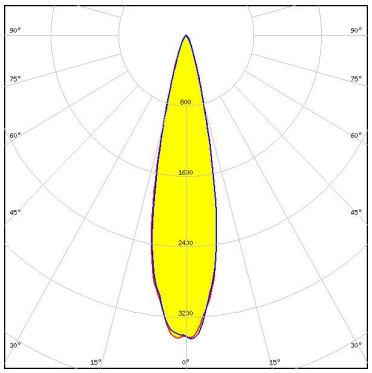


TRIDONIC

LED	SLE G7 LES09
FWHM	23.0°
Efficiency	69 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C





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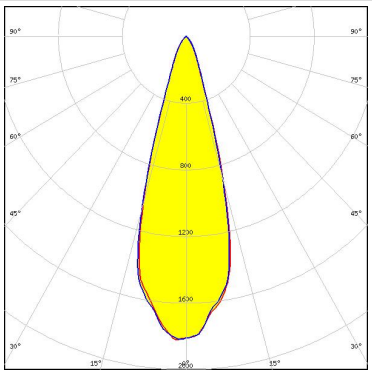
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G7 LES13
FWHM	31.0°
Efficiency	58 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I

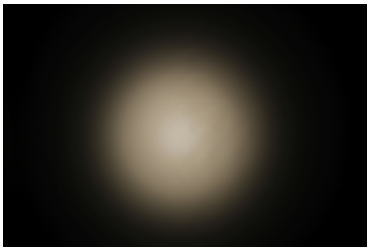


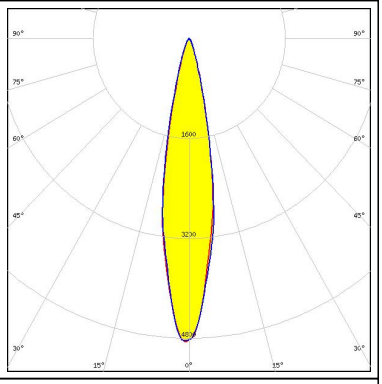


XICATO

LED	XOB 6 mm
FWHM	19.0°
Efficiency	73 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



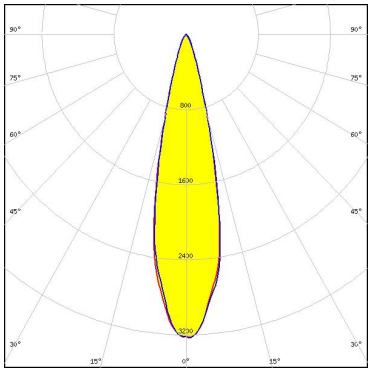


XICATO

LED	XOB 9.8 mm
FWHM	24.0°
Efficiency	67 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C





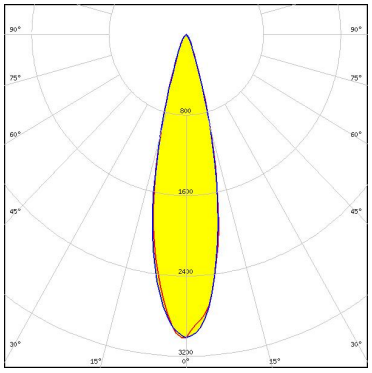
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PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V10 Gen7
FWHM	24.0°
Efficiency	65 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

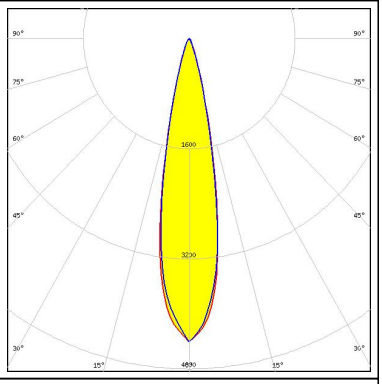
Required components:
F15255_HEKLA-SOCKET-C



bridgelux

LED	V6 Gen6
FWHM	21.0°
Efficiency	71 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

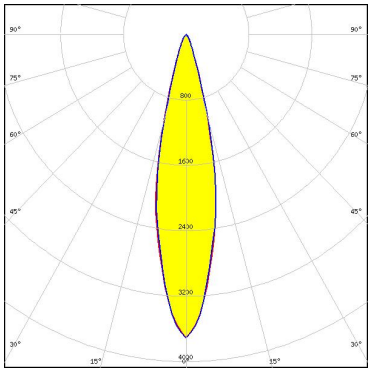
Required components:
F15253_HEKLA-SOCKET-A



bridgelux

LED	V8 Gen7
FWHM	24.0°
Efficiency	71 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White

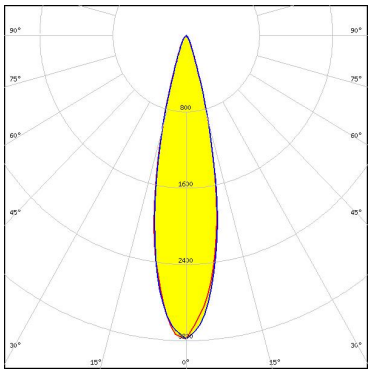
Required components:
F15253_HEKLA-SOCKET-A



bridgelux

LED	VERO10
FWHM	24.0°
Efficiency	64 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15616_HEKLA-SOCKET-F



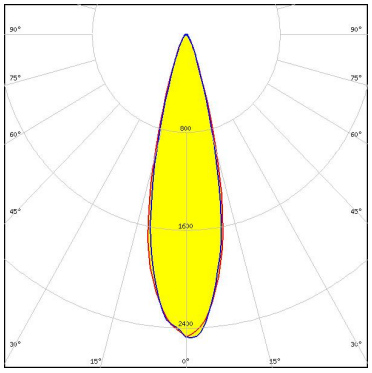
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PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	VERO13
FWHM	27.0°
Efficiency	66 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

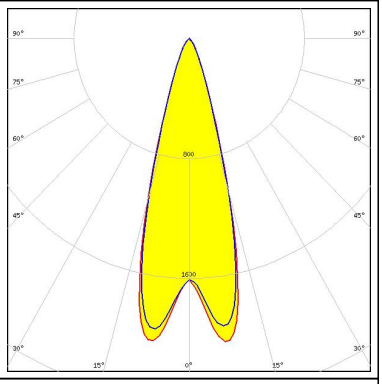
Required components:
C16142_HEKLA-SOCKET-K



NICHIA

LED	COB S-Type (LES 6)
FWHM	30.0°
Efficiency	62 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15848_HEKLA-SOCKET-G



SAMSUNG

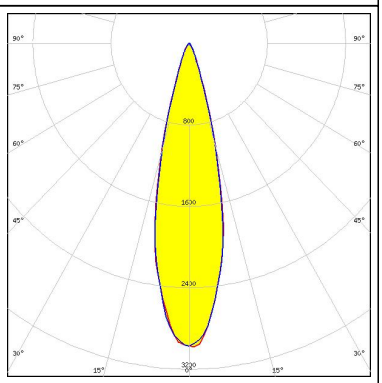
LED	LH231B
FWHM	23.0°
Efficiency	63 %
Peak intensity	3 cd/lm
LEDs/each optic	7
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C

XICATO

LED	XTM - 9mm LES
FWHM	25.0°
Efficiency	67 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

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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http://moschip.ru/get-element

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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