AMY-50-S-C

~18° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	13 mm
Fastening	socket
ROHS compliant	yes

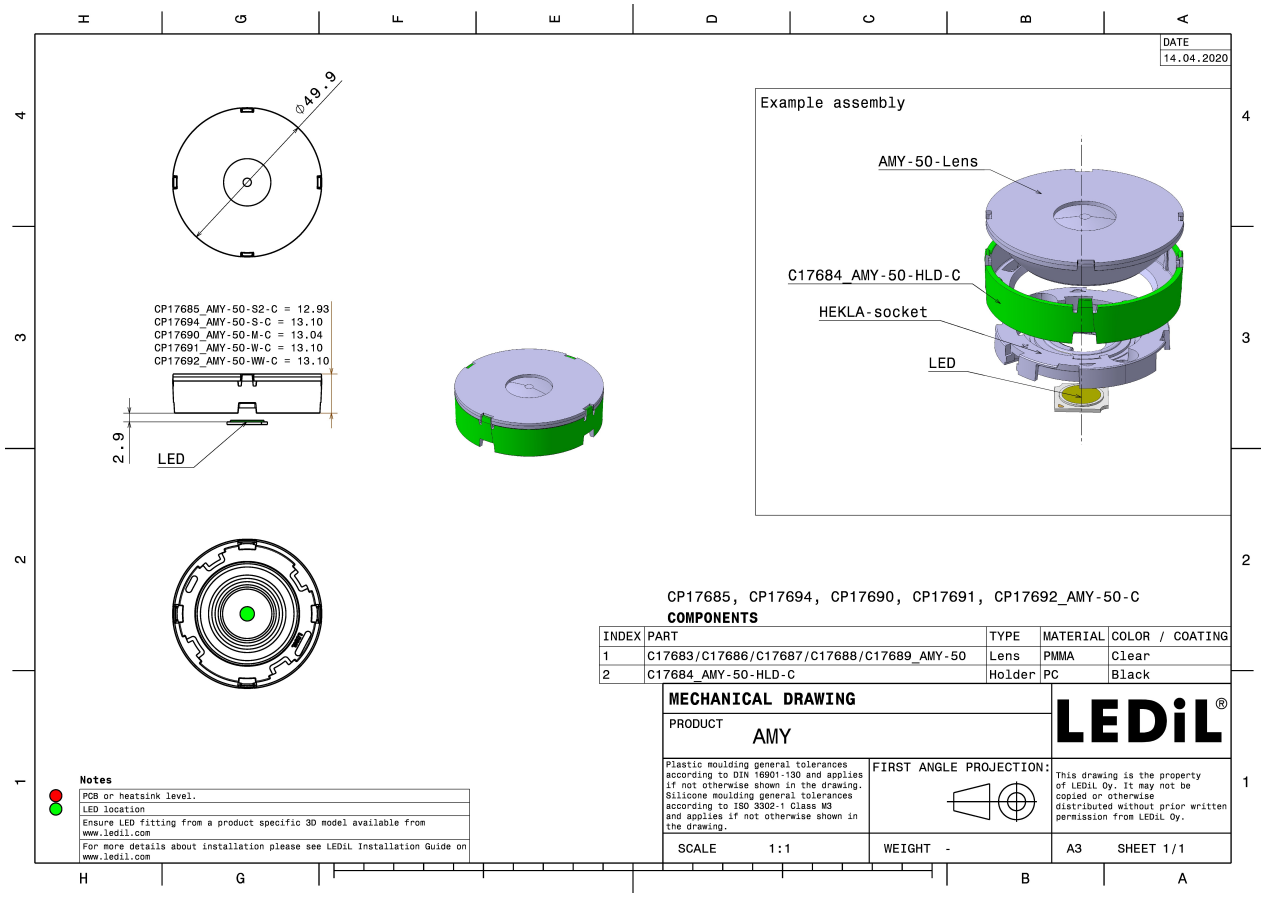
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CP17694_AMY-50-S-C » Box size: 480 x 280 x 300 mm	510	120	30	9.1

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See also our general installation guide: www.ledil.com/installation_guide

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PHOTOMETRIC DATA (MEASURED):

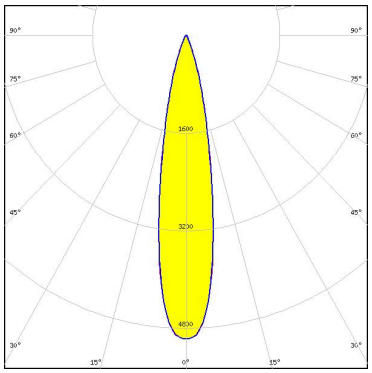
bridgelux

LED	V11 HD
FWHM / FWTM	20.0° / 41.0°
Efficiency	90 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

Bender Wirth: 633d Hekla



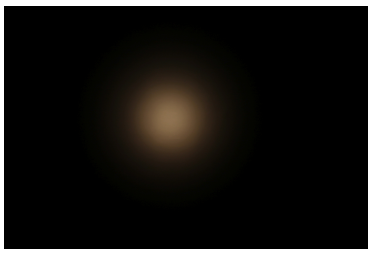


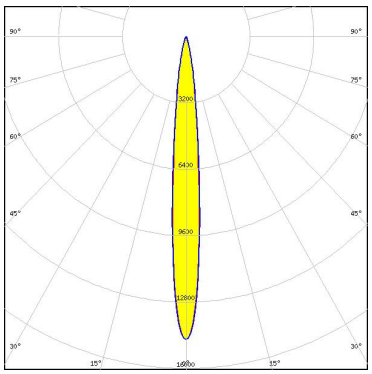
bridgelux

LED	V4 HD
FWHM / FWTM	10.0° / 24.0°
Efficiency	93 %
Peak intensity	14.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15253_HEKLA-SOCKET-A



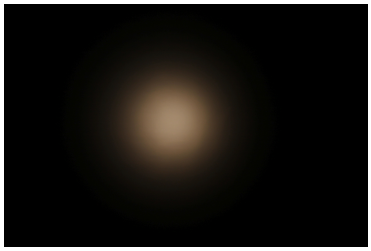


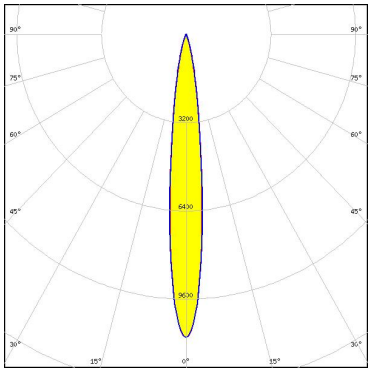
bridgelux

LED	V6 HD
FWHM / FWTM	12.0° / 28.0°
Efficiency	92 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15255_HEKLA-SOCKET-C



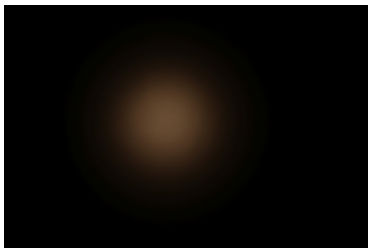


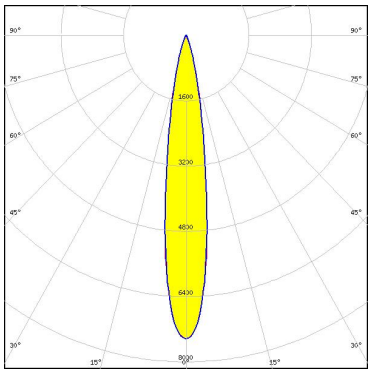
bridgelux

LED	V9 HD
FWHM / FWTM	16.0° / 33.0°
Efficiency	90 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15859_HEKLA-SOCKET-I





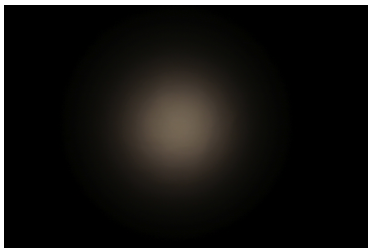
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

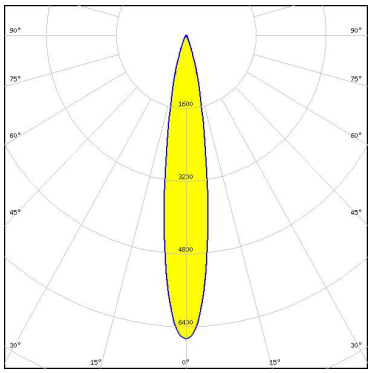
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	VERO10
FWHM / FWTM	17.0° / 36.0°
Efficiency	90 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15616_HEKLA-SOCKET-F

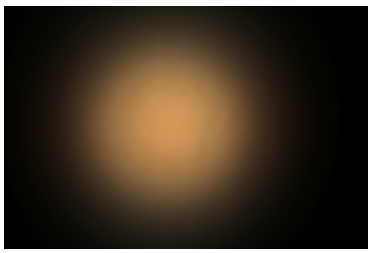


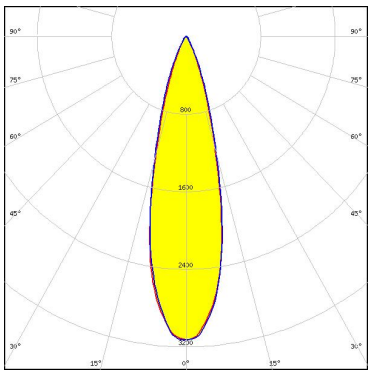


bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	27.0° / 49.0°
Efficiency	86 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 491 Typ L8



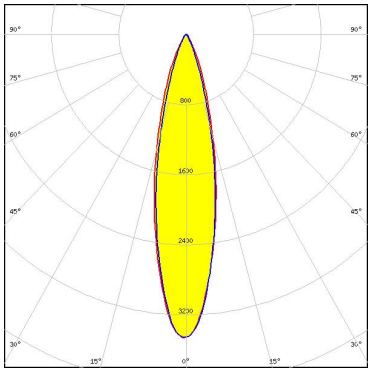


bridgelux

LED	Vesta DTW 15mm (33W)
FWHM / FWTM	24.0° / 49.0°
Efficiency	86 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 491 Typ L8



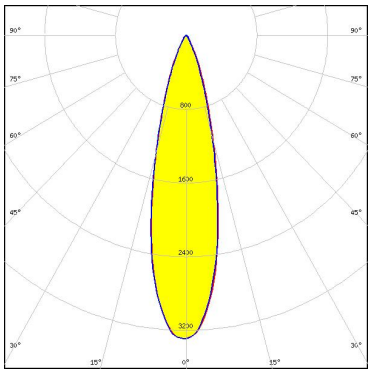


bridgelux

LED	Vesta TW 13mm (18W) DP
FWHM / FWTM	25.0° / 49.0°
Efficiency	86 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	Tunable White

Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 492 Typ L8





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PHOTOMETRIC DATA (MEASURED):

bridgelux

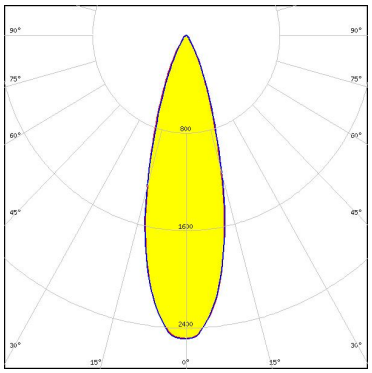
LED	Vesta TW 15mm DP
FWHM / FWTM	30.0° / 55.0°
Efficiency	85 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	Tunable White

Required components:

C16142_HEKLA-SOCKET-K

Bender Wirth: 482 Typ L8





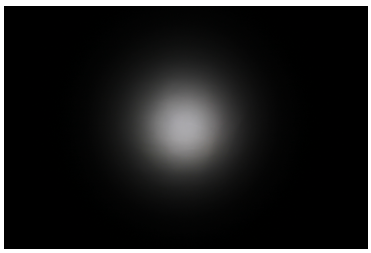
bridgelux

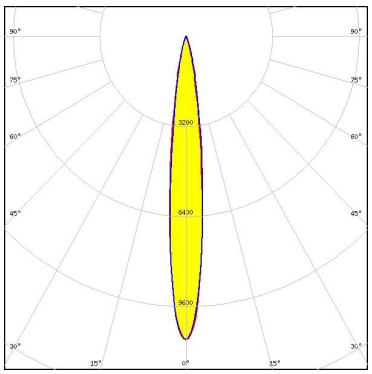
LED	Vesta TW 6mm DP
FWHM / FWTM	13.0° / 28.0°
Efficiency	90 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour	Tunable White

Required components:

C16142_HEKLA-SOCKET-K

Bender Wirth: 504 Typ L8





bridgelux

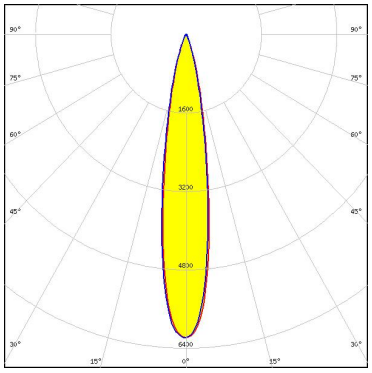
LED	Vesta TW 9mm (9W) DP
FWHM / FWTM	18.0° / 36.0°
Efficiency	88 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	Tunable White

Required components:

C16142_HEKLA-SOCKET-K

Bender Wirth: 489 Typ L8



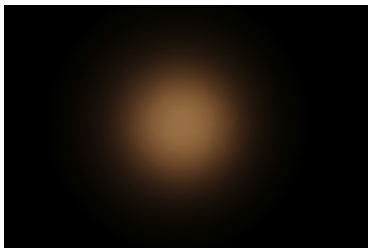


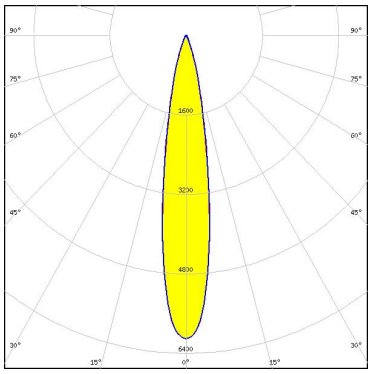
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	18.0° / 36.0°
Efficiency	89 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F17435_HEKLA-G2-C





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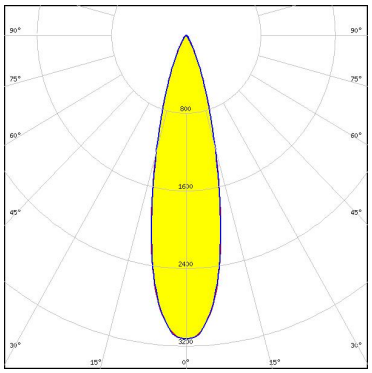
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	26.0° / 50.0°
Efficiency	86 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17438_HEKLA-G2-I

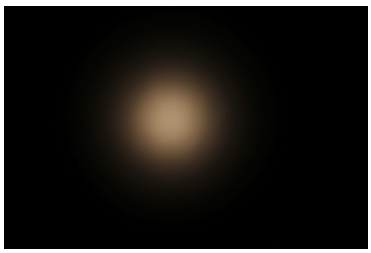


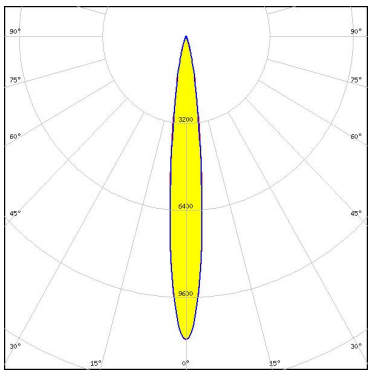


CITIZEN

LED	CLU700/701/702
FWHM / FWTM	13.0° / 28.0°
Efficiency	90 %
Peak intensity	11.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C

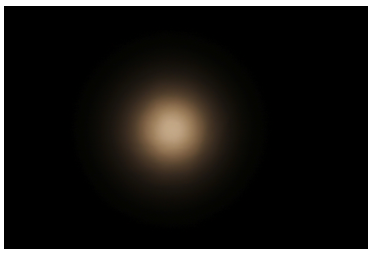


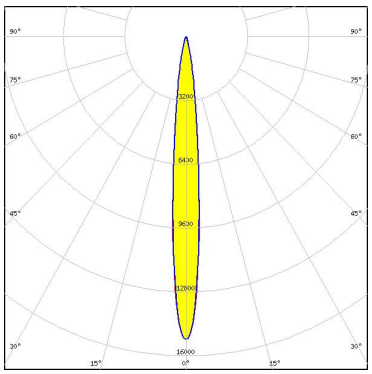


CITIZEN

LED	CLU7A2 (LES 4.2mm)
FWHM / FWTM	10.0° / 23.0°
Efficiency	91 %
Peak intensity	15.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C

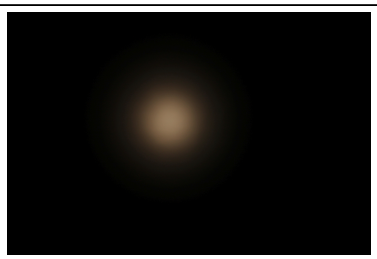


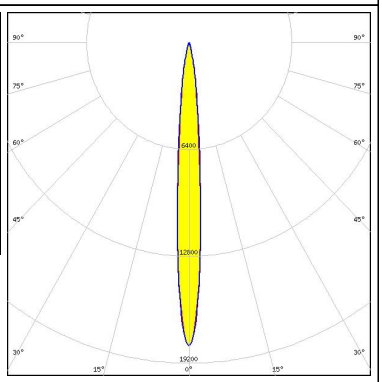


CITIZEN

LED	CLU7B2
FWHM / FWTM	9.0° / 22.0°
Efficiency	91 %
Peak intensity	18.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C





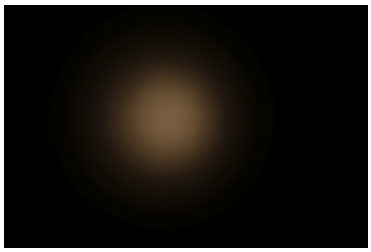
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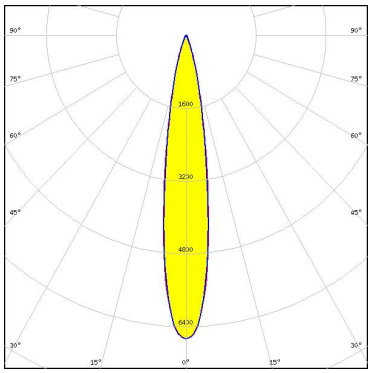
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	CMA1516
FWHM / FWTM	17.0° / 35.0°
Efficiency	90 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17436_HEKLA-G2-D



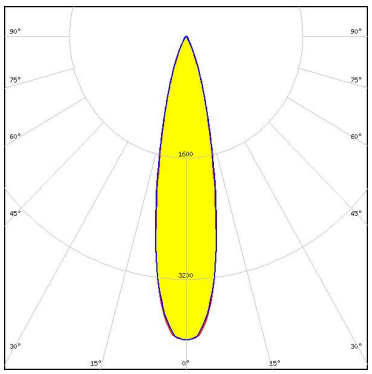


CREE LED

LED	CMA1825
FWHM / FWTM	23.0° / 45.0°
Efficiency	89 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15254_HEKLA-SOCKET-B



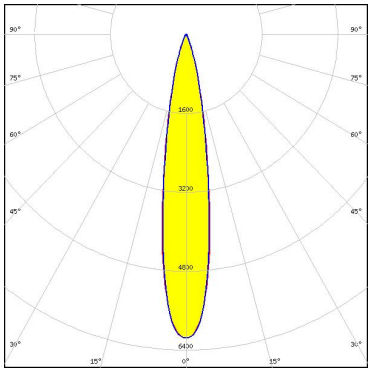


CREE LED

LED	CMT14xx
FWHM / FWTM	18.0° / 37.0°
Efficiency	89 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C



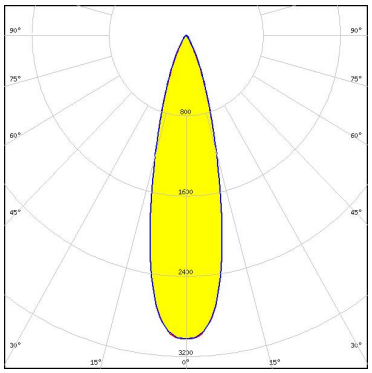


CREE LED

LED	CMT19xx
FWHM / FWTM	26.0° / 51.0°
Efficiency	87 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17438_HEKLA-G2-I





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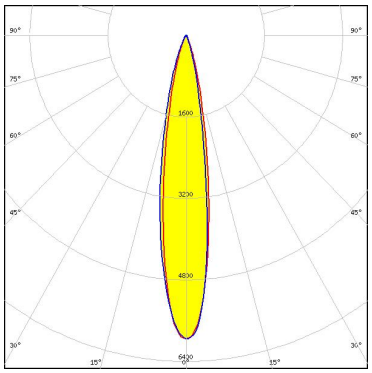
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	CMU10xx
FWHM / FWTM	18.0° / 37.0°
Efficiency	89 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C

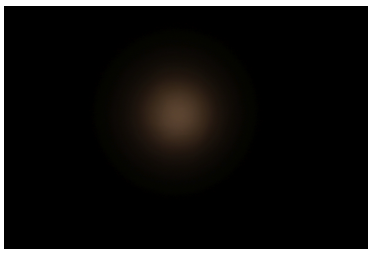


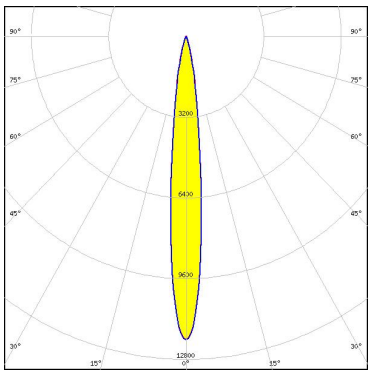


CREE LED

LED	CXA/B 13xx
FWHM / FWTM	12.0° / 27.0°
Efficiency	92 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17439_HEKLA-G2-J

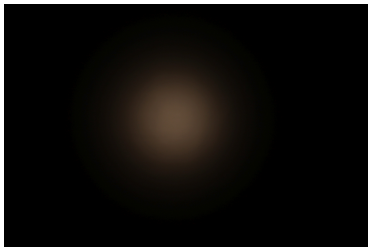


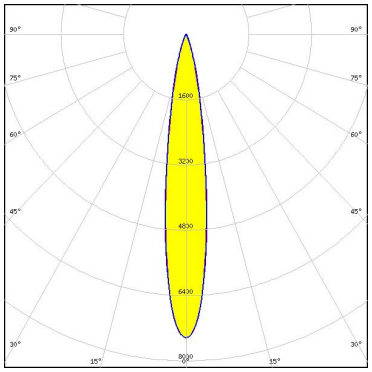


CREE LED

LED	CXA/B 15xx
FWHM / FWTM	15.0° / 34.0°
Efficiency	90 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17436_HEKLA-G2-D

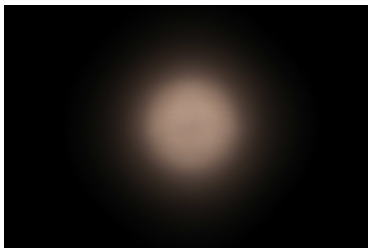


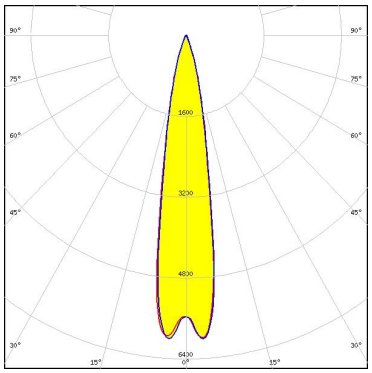


LEDIM

LED	LEDIM/C6
FWHM / FWTM	19.0° / 37.0°
Efficiency	90 %
Peak intensity	6.2 cd/lm
LEDs/each optic	9
Light colour	White

Required components:
F17438_HEKLA-G2-I





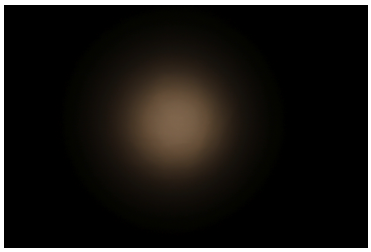
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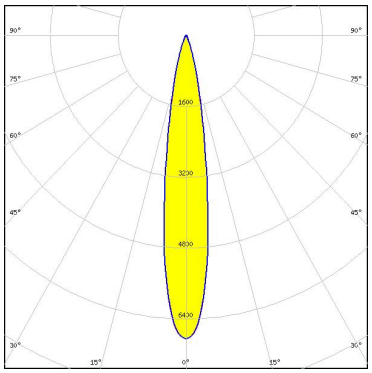
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	17.0° / 35.0°
Efficiency	89 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17437_HEKLA-G2-H

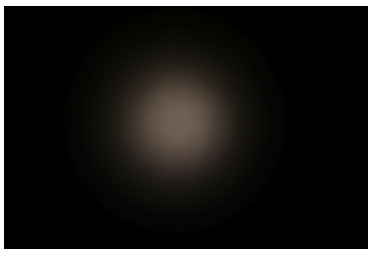


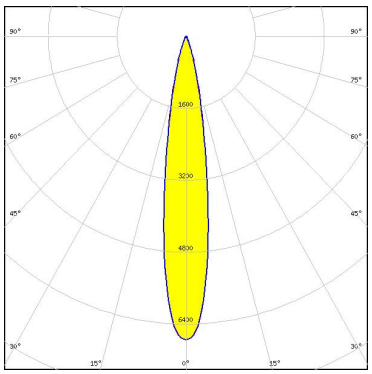


LUMILEDS

LED	LUXEON CoB 1204HD
FWHM / FWTM	17.0° / 35.0°
Efficiency	89 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17437_HEKLA-G2-H

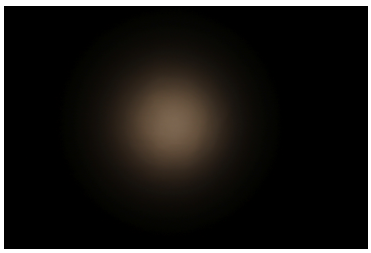


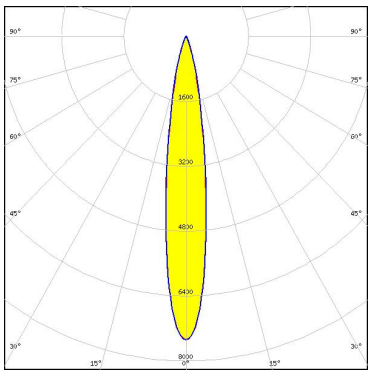


LUMILEDS

LED	LUXEON CoB M02/M03
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17436_HEKLA-G2-D

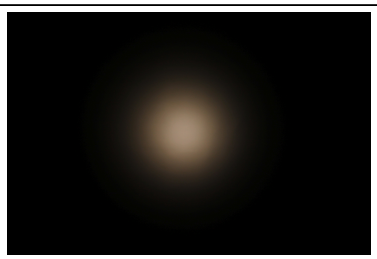


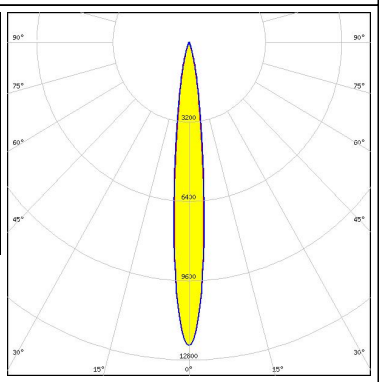


LUMILEDS

LED	LUXEON CoB S01
FWHM / FWTM	12.0° / 27.0°
Efficiency	91 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17439_HEKLA-G2-J





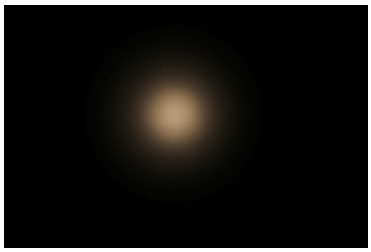
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

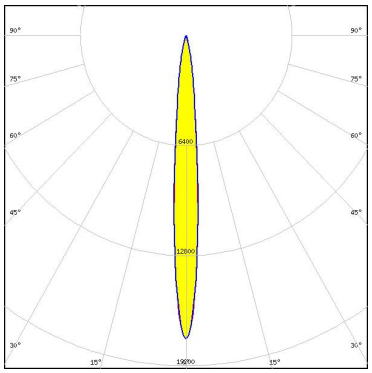
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CXM-3
FWHM / FWTM	10.0° / 22.0°
Efficiency	91 %
Peak intensity	17.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C

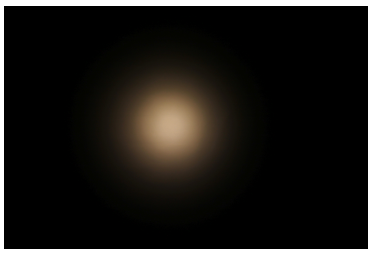


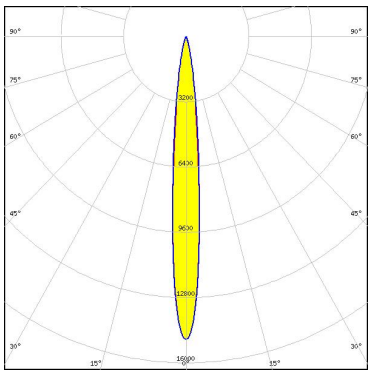


LUMINUS

LED	CXM-4
FWHM / FWTM	10.0° / 24.0°
Efficiency	91 %
Peak intensity	14.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C

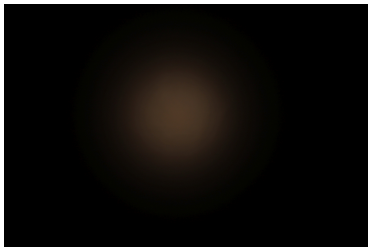


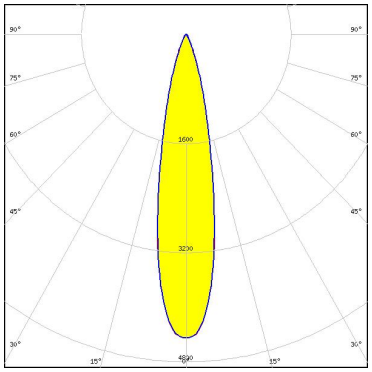


NICHIA

LED	COB L-Type (LES 11)
FWHM / FWTM	22.0° / 43.0°
Efficiency	88 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17437_HEKLA-G2-H

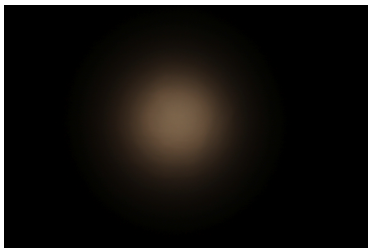


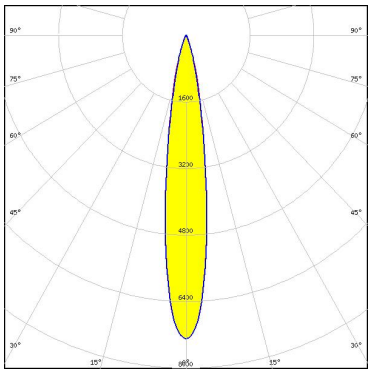


NICHIA

LED	COB L-Type (LES 9)
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17437_HEKLA-G2-H



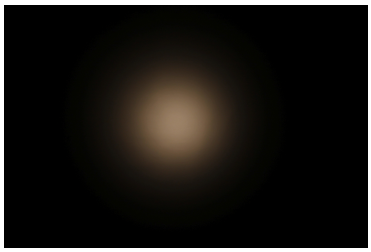


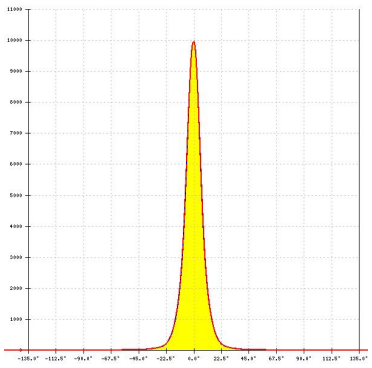
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PHOTOMETRIC DATA (MEASURED):

NICHIA

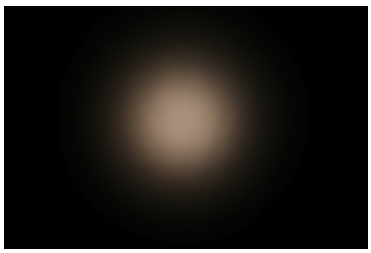
LED	COB S-Type (LES 7)
FWHM / FWTM	13.0° / 29.0°
Efficiency	91 %
Peak intensity	10 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17437_HEKLA-G2-H	

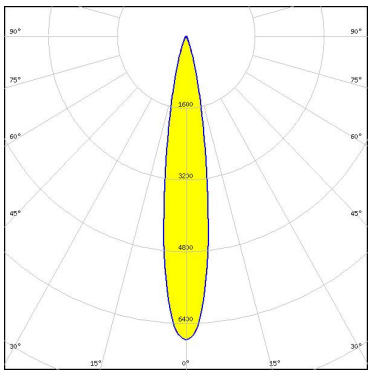




PHILIPS

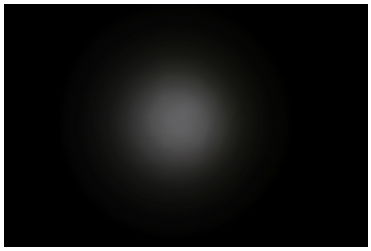
LED	Fortimo SLM L09 CoB
FWHM / FWTM	17.0° / 35.0°
Efficiency	89 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17437_HEKLA-G2-H	

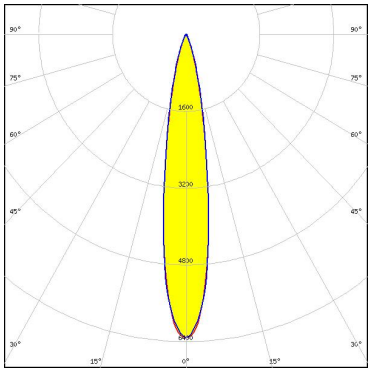




SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	17.0° / 36.0°
Efficiency	89 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17435_HEKLA-G2-C	

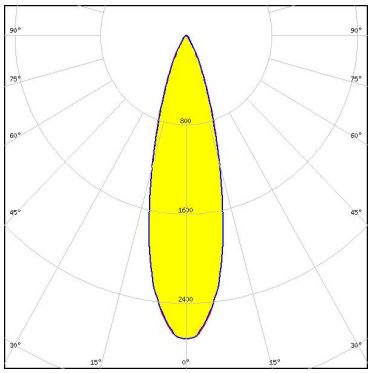




SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	28.0° / 55.0°
Efficiency	86 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F17438_HEKLA-G2-I	





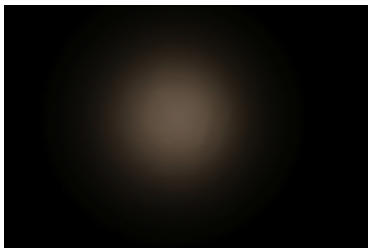
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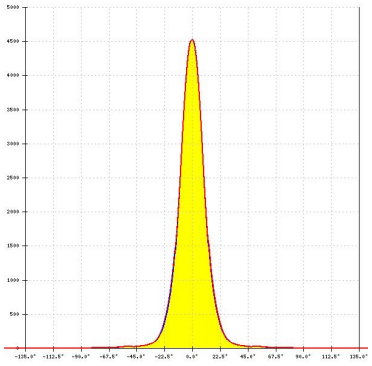
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC030C/040C G2
FWHM / FWTM	21.0° / 42.0°
Efficiency	88 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17438_HEKLA-G2-I



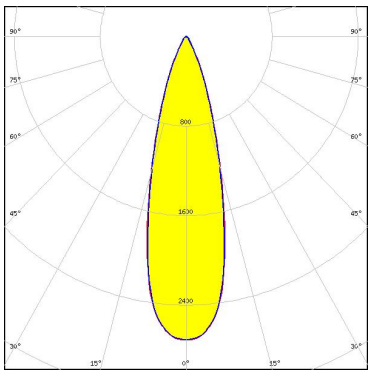


SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM / FWTM	28.0° / 53.0°
Efficiency	86 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17438_HEKLA-G2-I

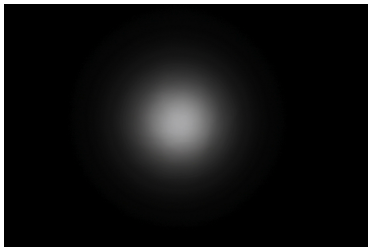


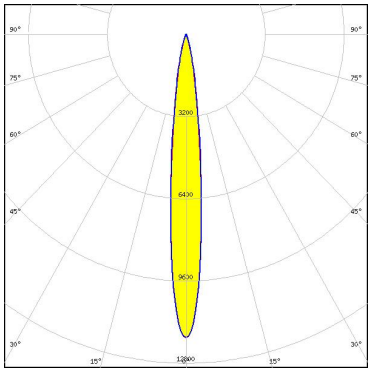


SEOUL SEMICONDUCTOR

LED	MJT COB LES 6
FWHM / FWTM	12.0° / 27.0°
Efficiency	91 %
Peak intensity	11.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C



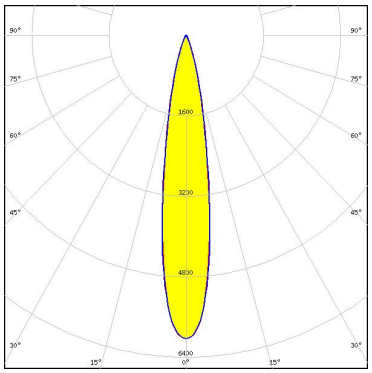


SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
FWHM / FWTM	18.0° / 37.0°
Efficiency	89 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17435_HEKLA-G2-C





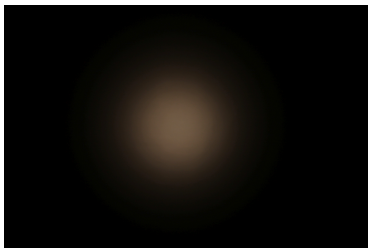
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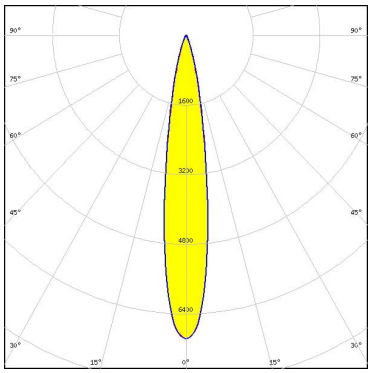
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15848_HEKLA-SOCKET-G



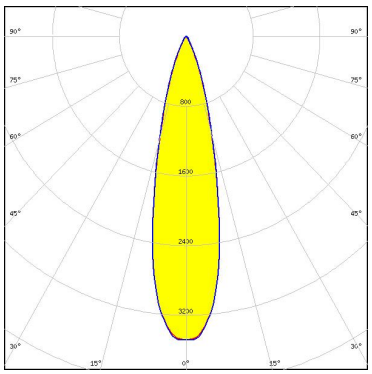


TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	25.0° / 48.0°
Efficiency	87 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17438_HEKLA-G2-I



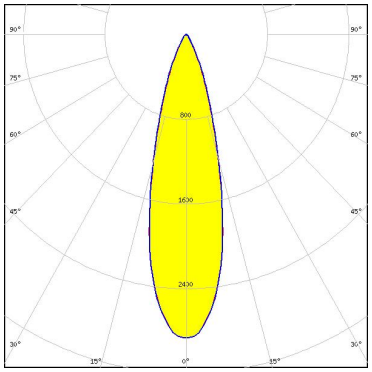


TRIDONIC

LED	SLE G7 LES15
FWHM / FWTM	27.0° / 53.0°
Efficiency	86 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F17438_HEKLA-G2-I





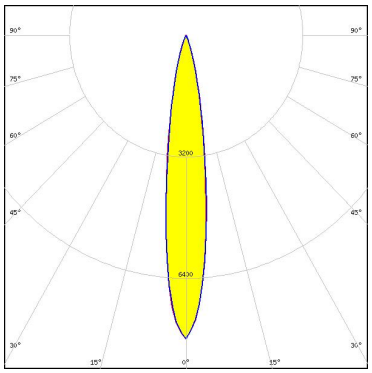
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PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V8 Gen7
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour	White

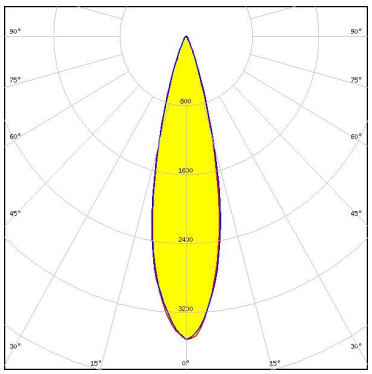
Required components:
F15253_HEKLA-SOCKET-A



bridgelux

LED	Vero SE 13
FWHM / FWTM	26.0° / 44.0°
Efficiency	81 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

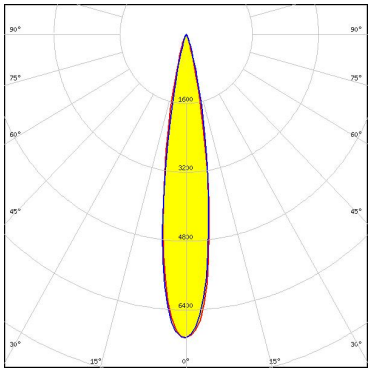
Required components:
C16142_HEKLA-SOCKET-K



bridgelux

LED	Vesta TW 9mm (12W) CSP
FWHM / FWTM	18.1° / 32.2 + 31.2°
Efficiency	81 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour	White

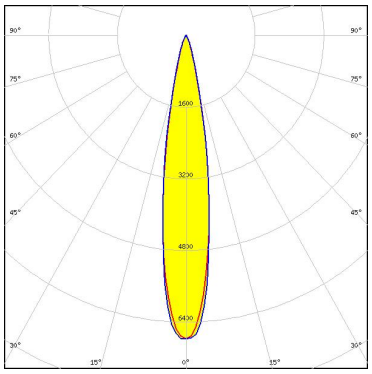
Required components:
C16142_HEKLA-SOCKET-K



CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	18.1° / 33.2 + 34.2°
Efficiency	87 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C

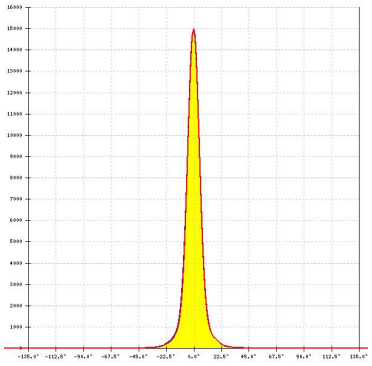


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PHOTOMETRIC DATA (SIMULATED):

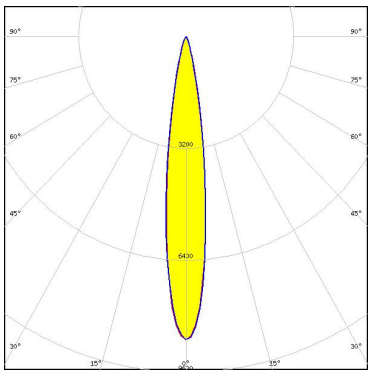
CITIZEN

LED	CLU700/701/702
FWHM / FWTM	11.3° / 22.1°
Efficiency	91 %
Peak intensity	15 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	



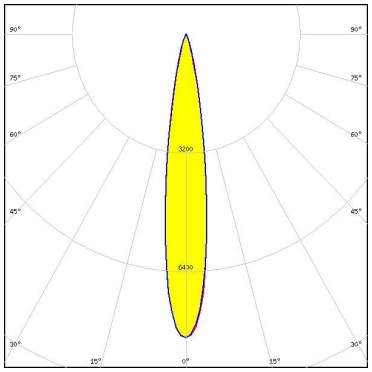
CITIZEN

LED	CLU710/711
FWHM / FWTM	16.1° / 30.2°
Efficiency	89 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15859_HEKLA-SOCKET-I	



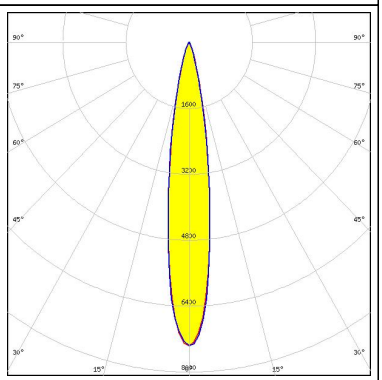
LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	16.1° / 30.2°
Efficiency	88 %
Peak intensity	8.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15858_HEKLA-SOCKET-H	



SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	16.1° / 32.2°
Efficiency	87 %
Peak intensity	7.4 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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