MIRELLA-G2-M

~25° wide beam. Compatible with LEDiL HEKLA.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	22.6 mm
Fastening	socket
ROHS compliant	yes

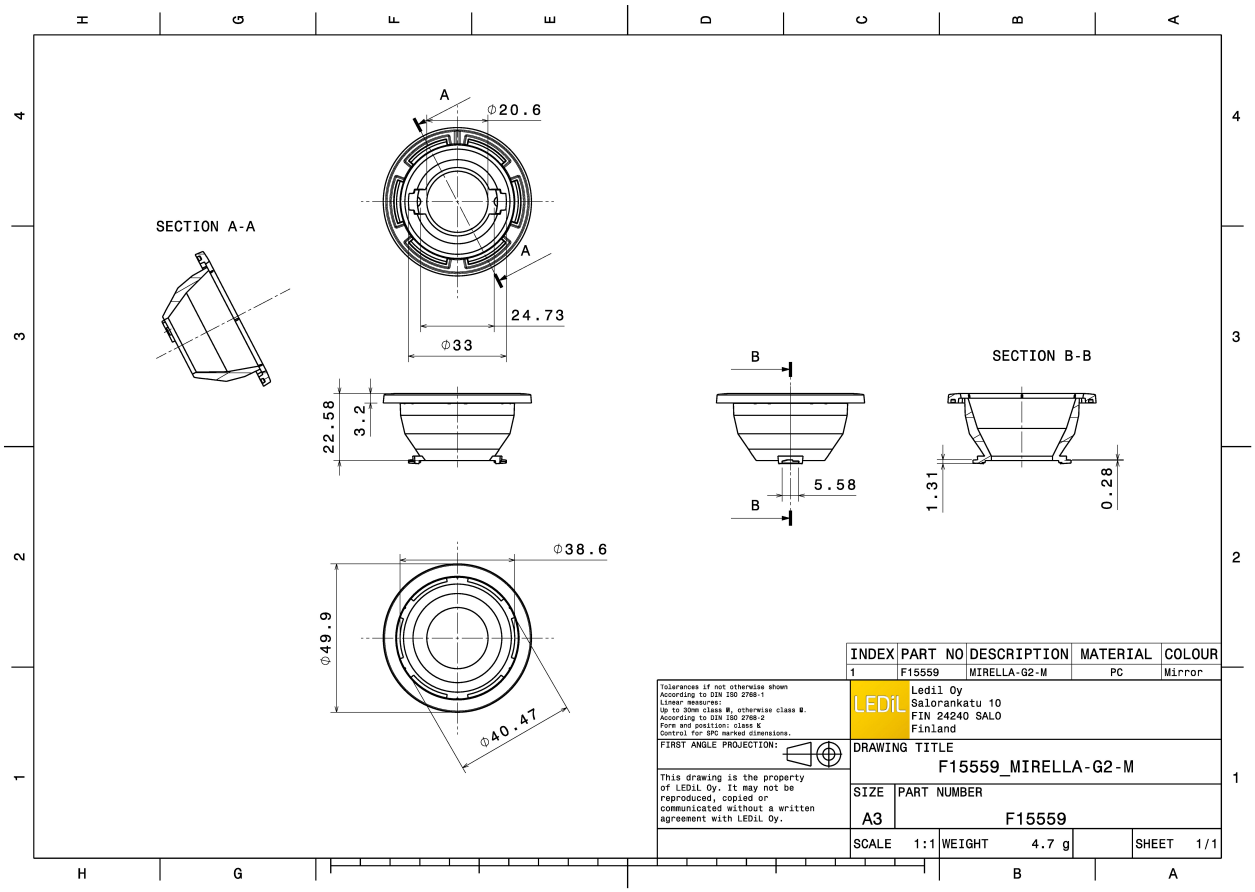
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish	Coating
MIRELLA-G2-M	Reflector	PC	metal		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15559_MIRELLA-G2-M » Box size: 480 x 280 x 300 mm	336		28	3.2

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INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F15559	MIRELLA-G2-M	PC	Mirror

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class G.
According to DIN ISO 2768-2
Form and position: class K
Control for SPC marked dimensions.

FIRST ANGLE PROJECTION:

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Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
F15559_MIRELLA-G2-M

SIZE A3 | PART NUMBER F15559

SCALE 1:1 | WEIGHT 4.7 g | SHEET 1/1

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

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PHOTOMETRIC DATA (MEASURED):

bridgelux

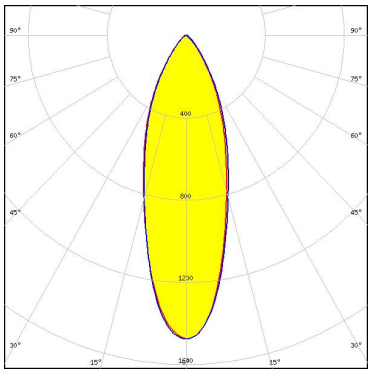
LED	V4 HD Gen 7
FWHM / FWTM	33.0° / 75.0°
Efficiency	78 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15253_HEKLA-SOCKET-A

C13723_MIRELLA-RZL





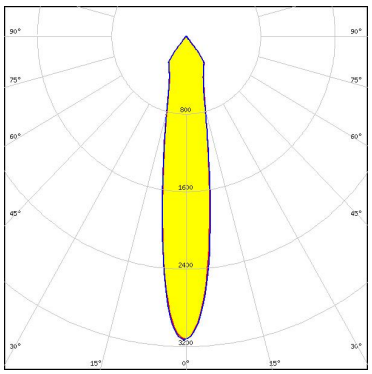
bridgelux

LED	V4 HD Gen 7
FWHM / FWTM	19.0° / 73.0°
Efficiency	86 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15253_HEKLA-SOCKET-A





bridgelux

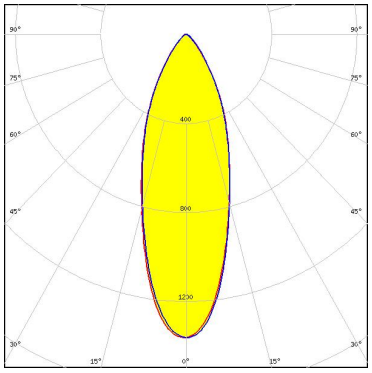
LED	V6 HD Gen 7
FWHM / FWTM	35.0° / 77.0°
Efficiency	76 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15255_HEKLA-SOCKET-C

C13723_MIRELLA-RZL





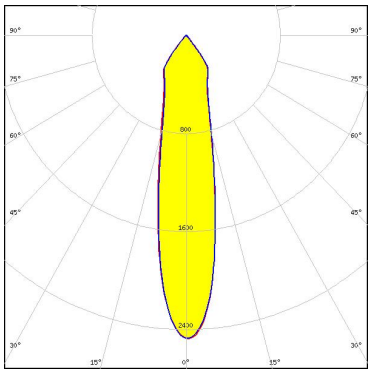
bridgelux

LED	V6 HD Gen 7
FWHM / FWTM	22.0° / 74.0°
Efficiency	84 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15255_HEKLA-SOCKET-C





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PHOTOMETRIC DATA (MEASURED):

bridgelux

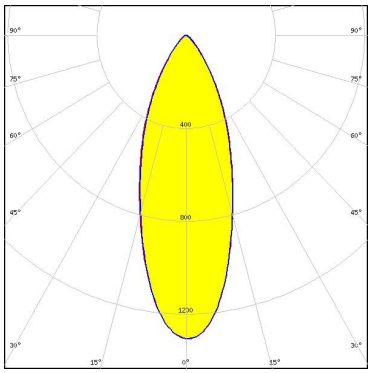
LED	V9 HD Gen7
FWHM / FWTM	37.0° / 77.0°
Efficiency	75 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15859_HEKLA-SOCKET-I

C13723_MIRELLA-RZL



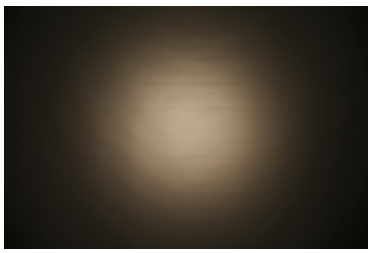


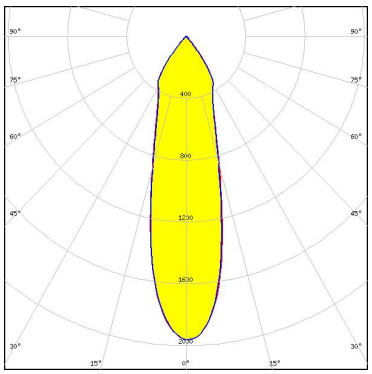
bridgelux

LED	V9 HD Gen7
FWHM / FWTM	27.0° / 76.0°
Efficiency	82 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15859_HEKLA-SOCKET-I





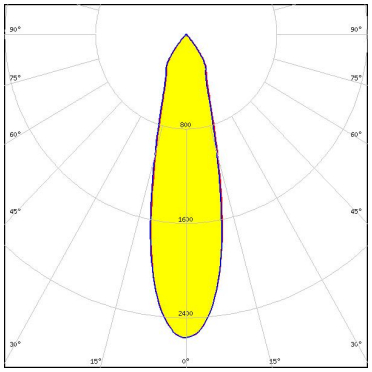
bridgelux

LED	VERO10
FWHM / FWTM	27.0° / 71.0°
Efficiency	90 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15616_HEKLA-SOCKET-F





bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	43.0° / 81.0°
Efficiency	73 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	Tunable White

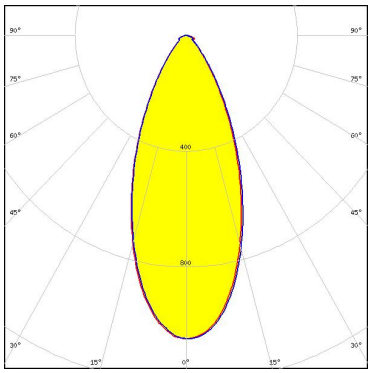
Required components:

C16142_HEKLA-SOCKET-K

C13723_MIRELLA-RZL

Bender Wirth: 491 Typ L8





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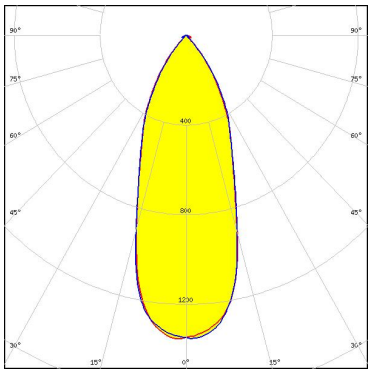
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	39.0° / 78.0°
Efficiency	81 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	Tunable White

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



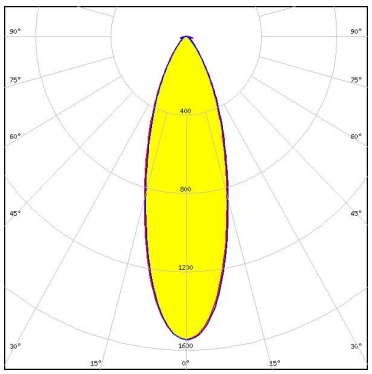


bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM	33.0° / 70.0°
Efficiency	77 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 490 Typ L8



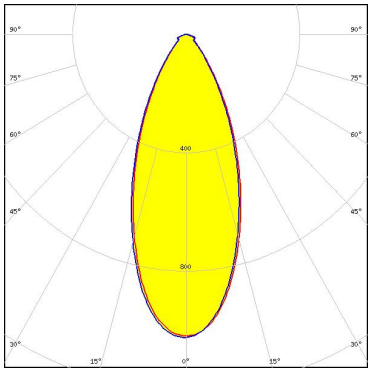


bridgelux

LED	Vesta TW 13mm (25W) CSP
FWHM / FWTM	43.0° / 81.0°
Efficiency	77 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 492 Typ L8





bridgelux

LED	Vesta TW 6mm DP
FWHM / FWTM	29.0° / 71.0°
Efficiency	74 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 504 Typ L8



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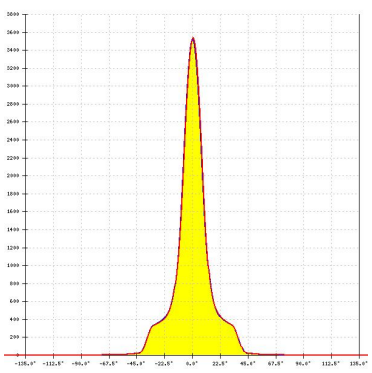
PHOTOMETRIC DATA (MEASURED):

bridgelux

LED	Vesta TW 6mm DP
FWHM / FWTM	18.0° / 58.0°
Efficiency	81 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- Bender Wirth: 504 Typ L8



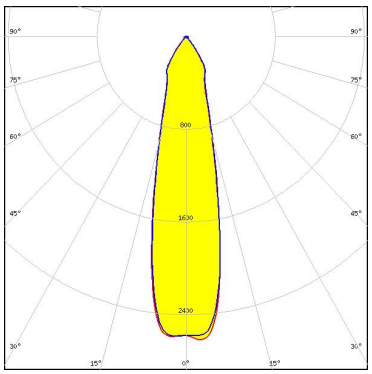


bridgelux

LED	Vesta TW 9mm (12W) CSP
FWHM / FWTM	25.0° / 68.0°
Efficiency	84 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White

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



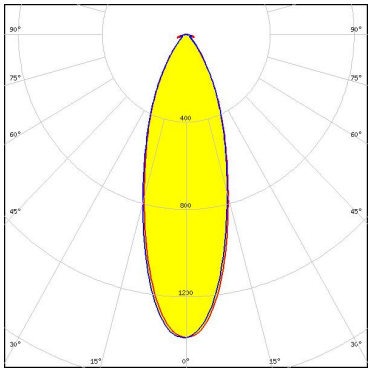


bridgelux

LED	Vesta TW 9mm (12W) CSP
FWHM / FWTM	33.0° / 73.0°
Efficiency	74 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 489 Typ L8



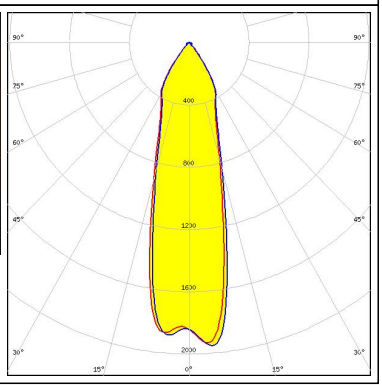


CITIZEN

LED	CLC020 Series (Dim-To-Warm)
FWHM / FWTM	28.0° / 72.0°
Efficiency	80 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K





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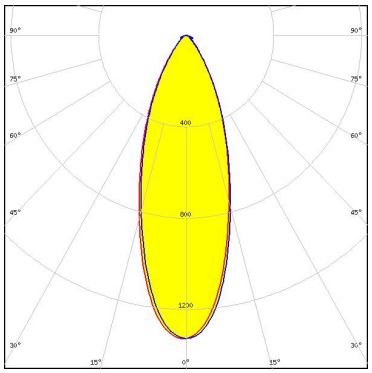
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	CLC020 Series (Dim-To-Warm)
FWHM / FWTM	36.0° / 74.0°
Efficiency	74 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 487 Typ L8



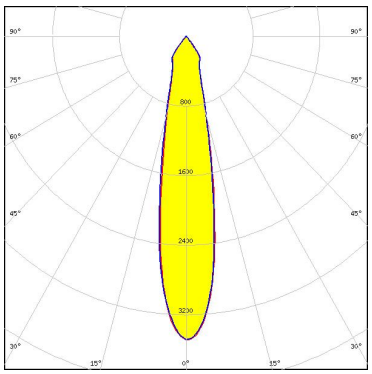


CITIZEN

LED	CLU025/CLU027 (LES 6)
FWHM / FWTM	21.0° / 55.0°
Efficiency	86 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C



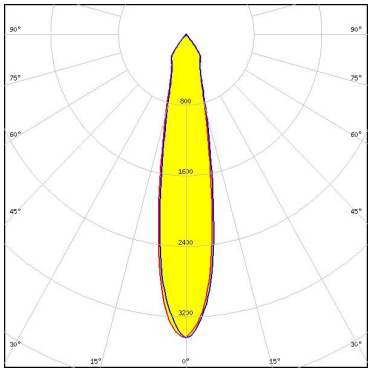


CITIZEN

LED	CLU025/CLU027 (LES 6)
FWHM / FWTM	20.0° / 59.0°
Efficiency	87 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C



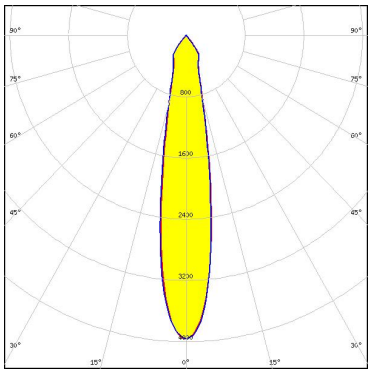


CITIZEN

LED	CLU700/701/702
FWHM / FWTM	19.0° / 50.0°
Efficiency	90 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C





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PHOTOMETRIC DATA (MEASURED):

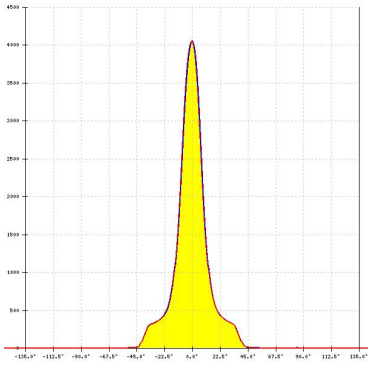
CITIZEN

LED	CLU700/701/702
FWHM / FWTM	19.0° / 49.0°
Efficiency	90 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15255_HEKLA-SOCKET-C





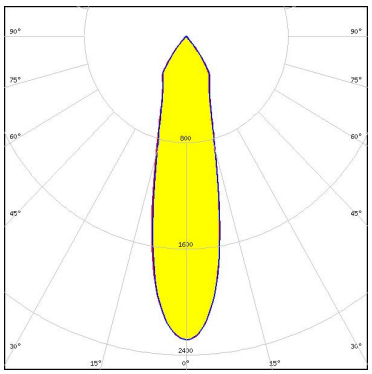
CITIZEN

LED	CLU710/711
FWHM / FWTM	26.0° / 73.0°
Efficiency	85 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15859_HEKLA-SOCKET-I





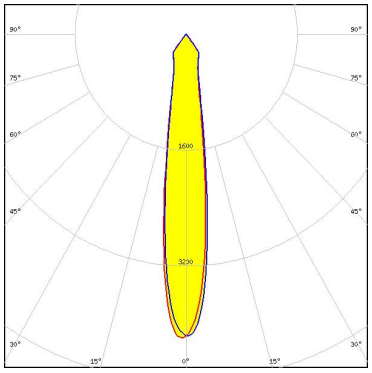
CITIZEN

LED	CLU7A2 (LES 4.2mm)
FWHM / FWTM	16.0° / 49.0°
Efficiency	87 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

F15255_HEKLA-SOCKET-C





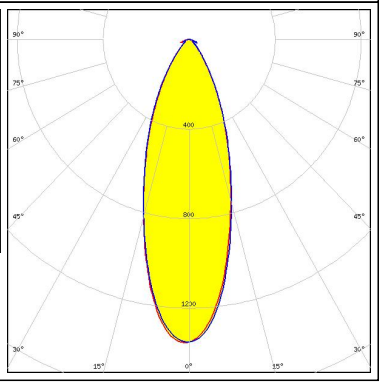
CITIZEN

LED	LCN-C01B (Tunable White)
FWHM / FWTM	35.0° / 70.0°
Efficiency	75 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C16142_HEKLA-SOCKET-K
C13723_MIRELLA-RZL
Bender Wirth: 481 Typ L8





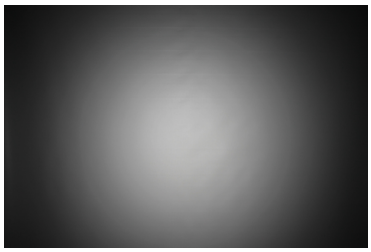
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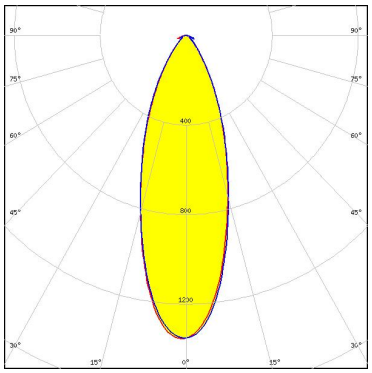
PHOTOMETRIC DATA (MEASURED):

CITIZEN

LED	LCN-C01B (Tunable White)
FWHM / FWTM	35.0° / 74.0°
Efficiency	75 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 481 Typ L8



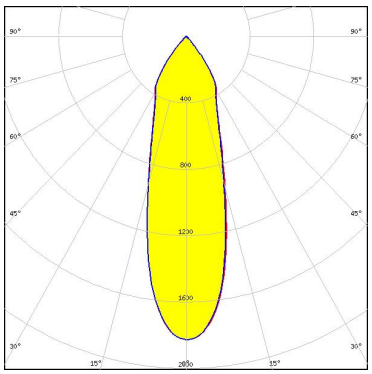


CREE LED

LED	CMA1516
FWHM / FWTM	30.0° / 77.0°
Efficiency	85 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15256_HEKLA-SOCKET-D



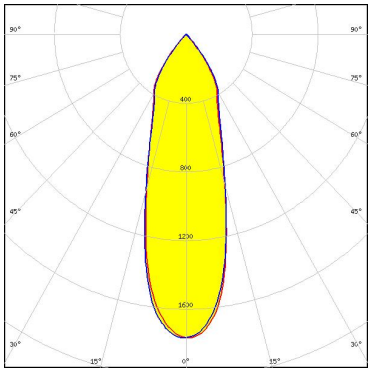


CREE LED

LED	CMT14xx
FWHM / FWTM	31.0° / 77.0°
Efficiency	85 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C



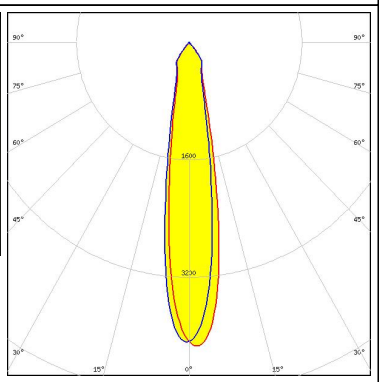


CREE LED

LED	CXA/B 13xx
FWHM / FWTM	19.0° / 50.0°
Efficiency	91 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15956_HEKLA-SOCKET-J
- C13333_MIRELLA-CL





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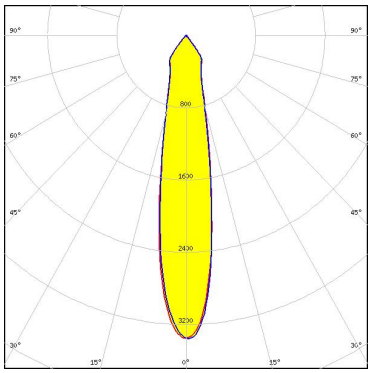
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	CXA/B 13xx
FWHM / FWTM	20.0° / 66.0°
Efficiency	90 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15956_HEKLA-SOCKET-J



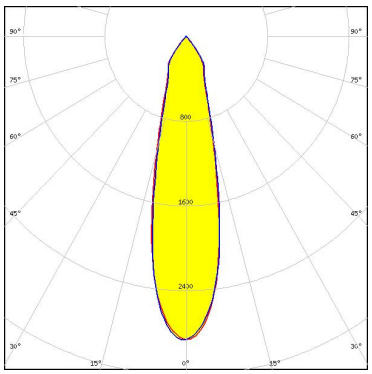


CREE LED

LED	CXA/B 15xx
FWHM / FWTM	25.0° / 67.0°
Efficiency	91 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15256_HEKLA-SOCKET-D

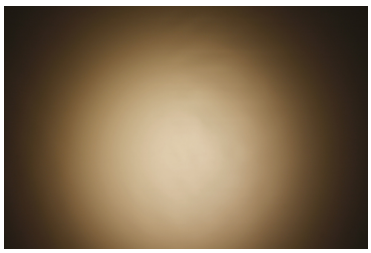


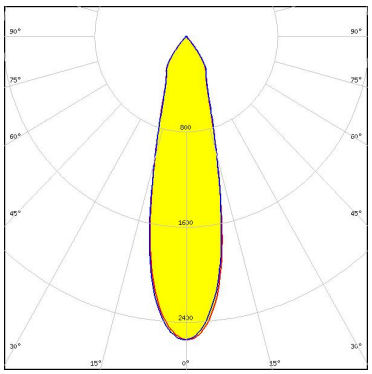


LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	27.0° / 71.0°
Efficiency	89 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15858_HEKLA-SOCKET-H

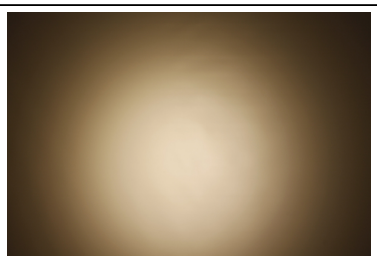


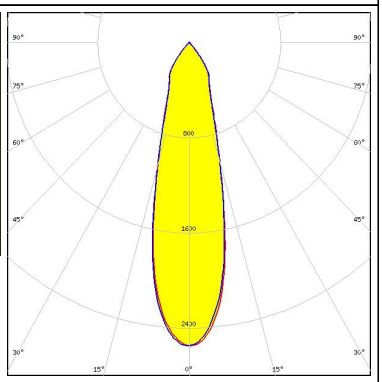


LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM / FWTM	27.0° / 71.0°
Efficiency	89 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15858_HEKLA-SOCKET-H
C12479_MIRELLA-DL





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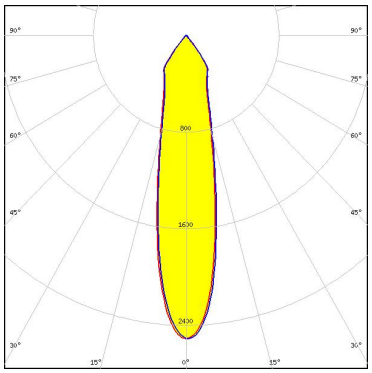
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CoB 1202HD
FWHM / FWTM	23.0° / 74.0°
Efficiency	85 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15848_HEKLA-SOCKET-G



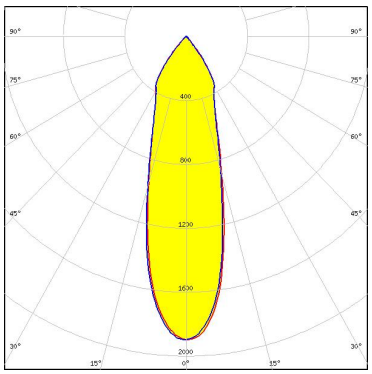


LUMILEDS

LED	LUXEON CoB 1204HD
FWHM / FWTM	29.0° / 77.0°
Efficiency	85 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15858_HEKLA-SOCKET-H



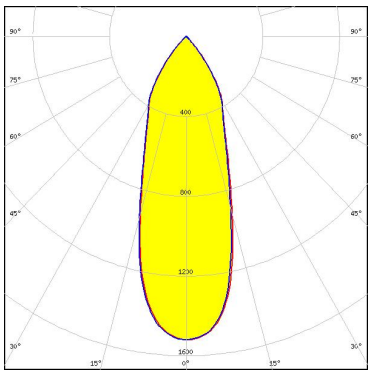


LUMILEDS

LED	LUXEON CoB 1205HD
FWHM / FWTM	35.0° / 79.0°
Efficiency	83 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15858_HEKLA-SOCKET-H

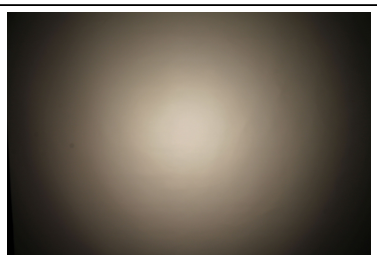


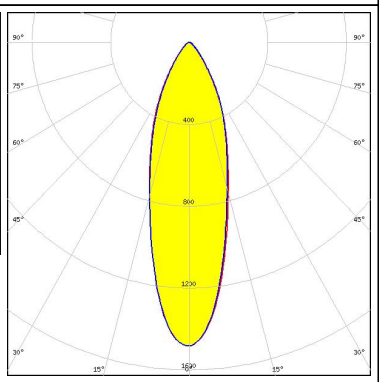


LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM	31.0° / 74.0°
Efficiency	74 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13723_MIRELLA-RZL
Bender Wirth: 634c Hekla





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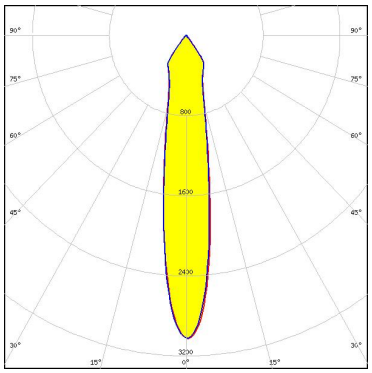
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM	19.0° / 70.0°
Efficiency	81 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla



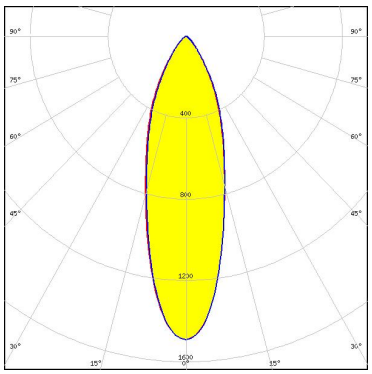


LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6
FWHM / FWTM	32.0° / 74.0°
Efficiency	74 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13723_MIRELLA-RZL
Bender Wirth: 634c Hekla



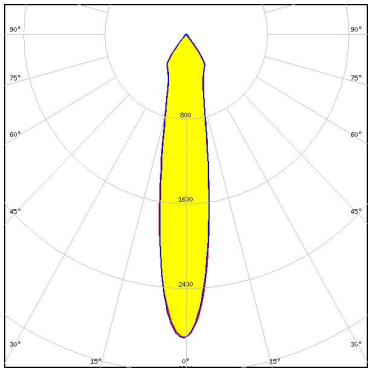


LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H6 / HD S02H6
FWHM / FWTM	19.0° / 71.0°
Efficiency	81 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
Bender Wirth: 634c Hekla



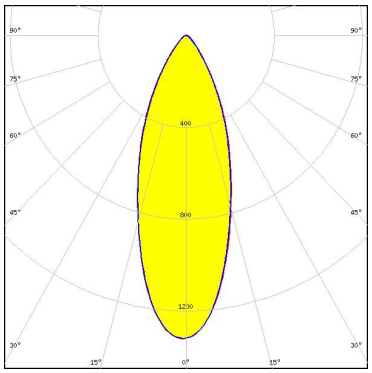


LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM / FWTM	37.0° / 76.0°
Efficiency	75 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C13723_MIRELLA-RZL
Bender Wirth: 634c Hekla





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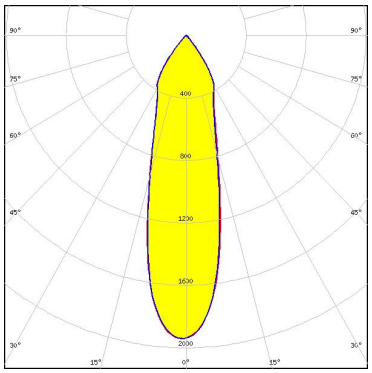
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM / FWTM	28.0° / 75.0°
Efficiency	82 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- Bender Wirth: 634c Hekla

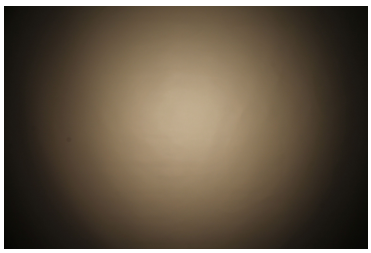


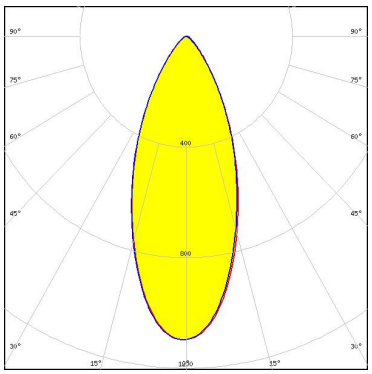


LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
FWHM / FWTM	42.0° / 81.0°
Efficiency	72 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13723_MIRELLA-RZL
- Bender Wirth: 637a Hekla



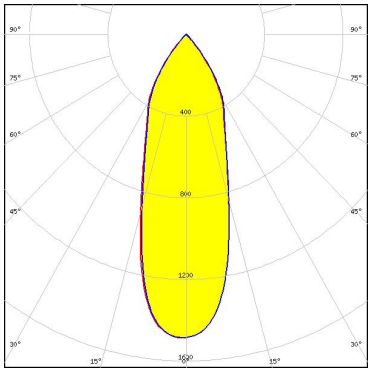


LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
FWHM / FWTM	35.0° / 78.0°
Efficiency	80 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- Bender Wirth: 637a Hekla



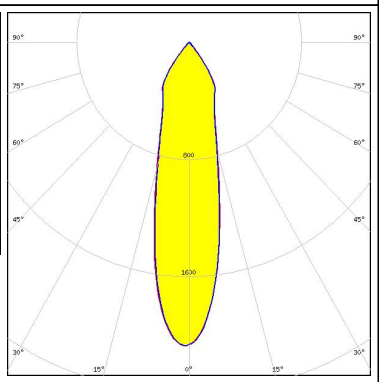


LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM	25.0° / 74.0°
Efficiency	80 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- Bender Wirth: 641a Hekla





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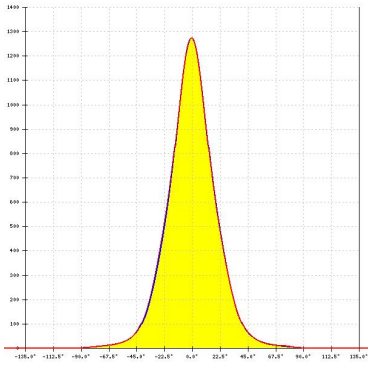
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM	37.0° / 77.0°
Efficiency	73 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13723_MIRELLA-RZL
- Bender Wirth: 641a Hekla



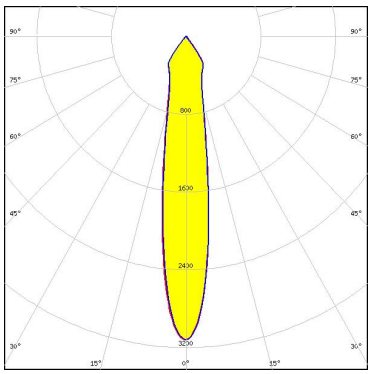


LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM	18.0° / 69.0°
Efficiency	81 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- Bender Wirth: 634c Hekla



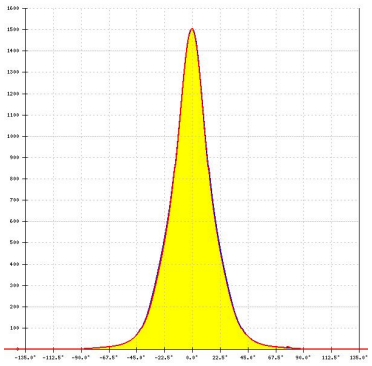


LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM	31.0° / 73.0°
Efficiency	74 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C13723_MIRELLA-RZL
- Bender Wirth: 634c Hekla



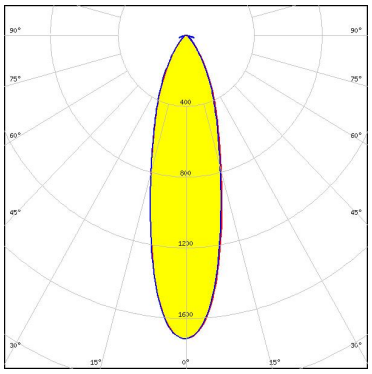


LUMINUS

LED	CDM-6 (Dim-To-Warm)
FWHM / FWTM	28.0° / 68.0°
Efficiency	75 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 490 Typ L8





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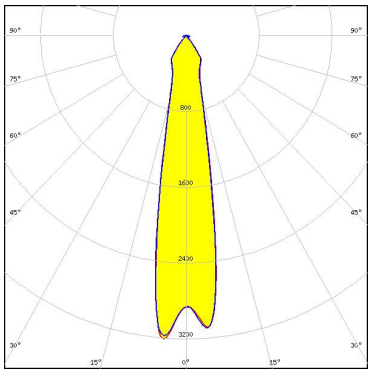
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CDM-6 (Dim-To-Warm)
FWHM / FWTM	20.0° / 60.0°
Efficiency	82 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White

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



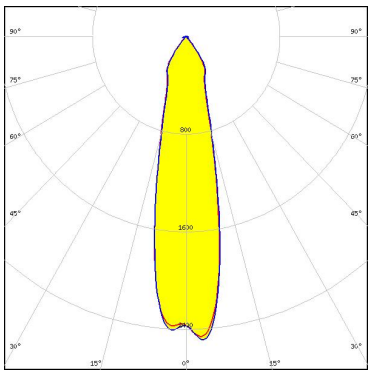


LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM / FWTM	24.0° / 69.0°
Efficiency	81 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

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



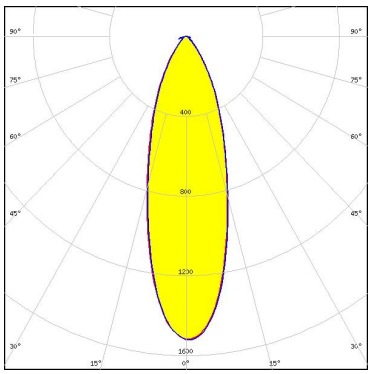


LUMINUS

LED	CDM-9 (Dim-To-Warm)
FWHM / FWTM	32.0° / 71.0°
Efficiency	74 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 490 Typ L8

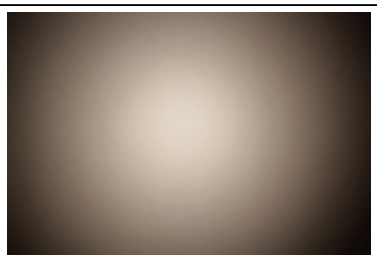


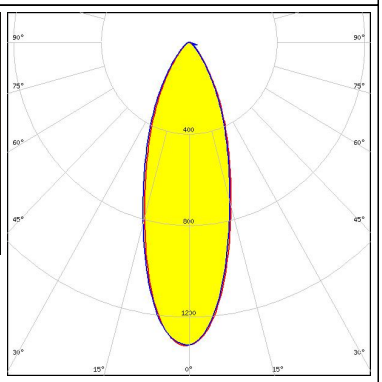


LUMINUS

LED	CTM-9 (Tunable White)
FWHM / FWTM	34.0° / 75.0°
Efficiency	72 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 495 Typ L8





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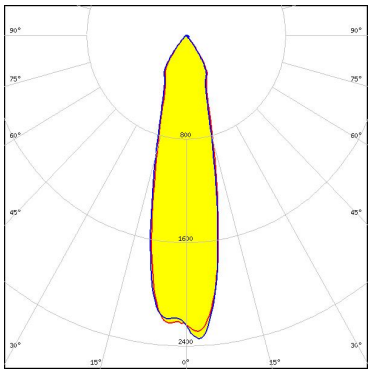
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	CTM-9 (Tunable White)
FWHM / FWTM	25.0° / 70.0°
Efficiency	80 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- Bender Wirth: 495 Typ L8



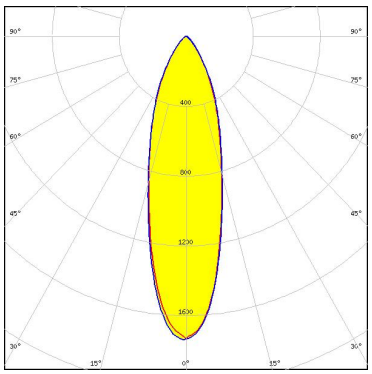


LUMINUS

LED	CXM-4
FWHM / FWTM	29.0° / 71.0°
Efficiency	79 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C
- C13723_MIRELLA-RZL



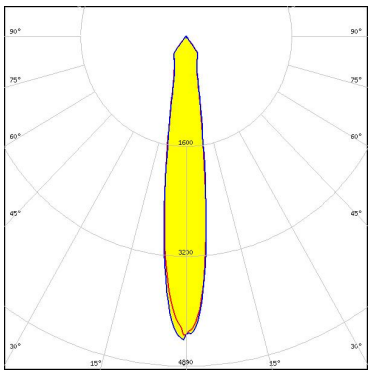


LUMINUS

LED	CXM-4
FWHM / FWTM	16.0° / 46.0°
Efficiency	87 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C



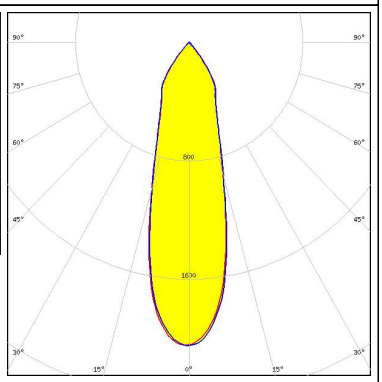


LUMINUS

LED	CxM-9 (13.5x13.5)
FWHM / FWTM	29.0° / 75.0°
Efficiency	87 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C





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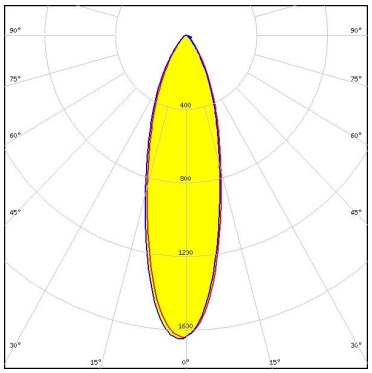
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NJCWL024Z-V1MT: COB L-Type Tunable White
FWHM / FWTM	30.0° / 69.0°
Efficiency	74 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 497 Typ L8



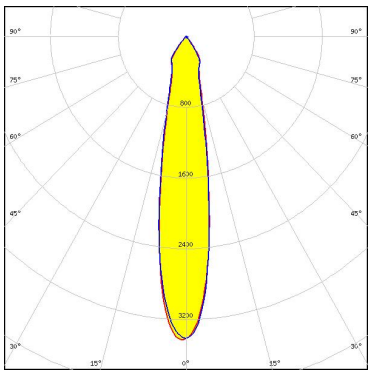


NICHIA

LED	NJCWL024Z-V1MT: COB L-Type Tunable White
FWHM / FWTM	19.0° / 58.0°
Efficiency	82 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

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



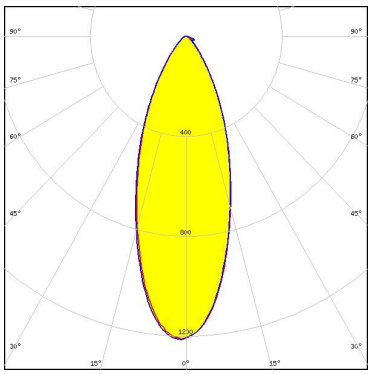


NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM / FWTM	37.0° / 77.0°
Efficiency	73 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 498 Typ L8

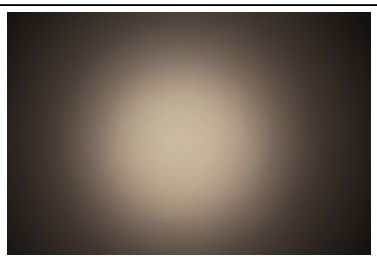


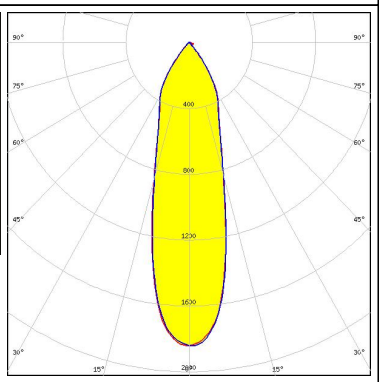


NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM / FWTM	28.0° / 73.0°
Efficiency	80 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

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





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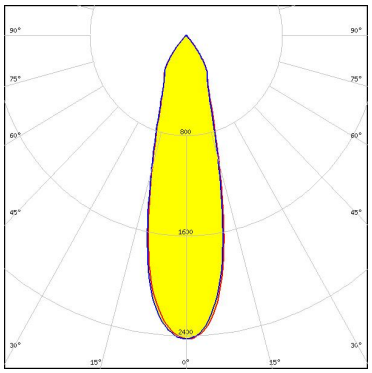
PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM / FWTM	28.0° / 71.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C
- C13723_MIRELLA-RZL



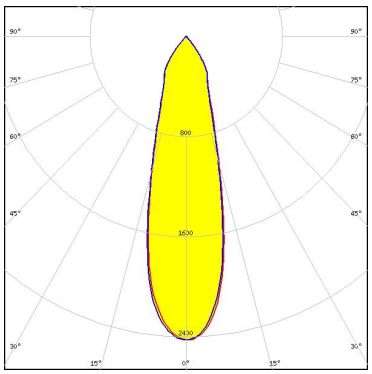


OSRAM
Opto Semiconductors

LED	Soleriq S9
FWHM / FWTM	28.0° / 71.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C



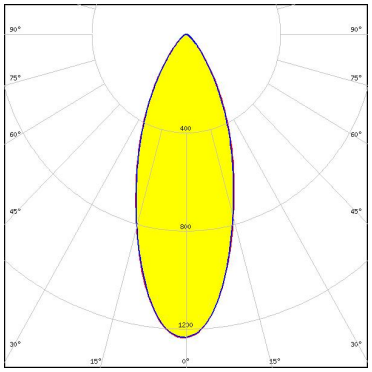


PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	39.0° / 78.0°
Efficiency	75 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15858_HEKLA-SOCKET-H
- C13723_MIRELLA-RZL



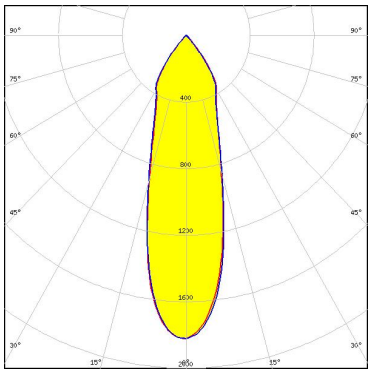


PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	29.0° / 77.0°
Efficiency	83 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15858_HEKLA-SOCKET-H





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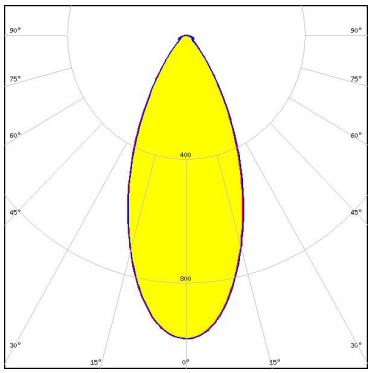
PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	45.0° / 82.0°
Efficiency	71 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 432 Typ L8





PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	40.0° / 80.0°
Efficiency	77 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- Bender Wirth: 432 Typ L8

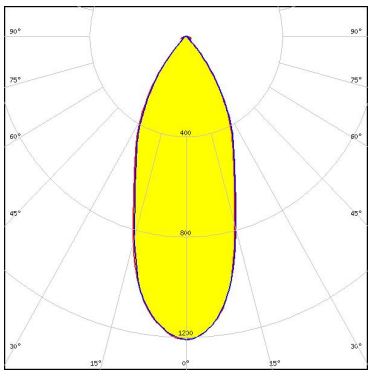


PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	40.0° / 80.0°
Efficiency	77 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- Bender Wirth: 432 Typ L8

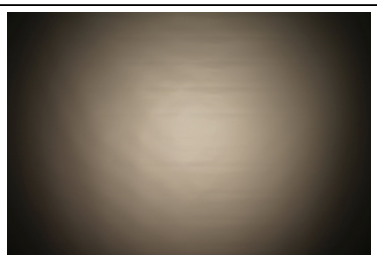




PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	45.0° / 82.0°
Efficiency	71 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C16142_HEKLA-SOCKET-K
- C13723_MIRELLA-RZL
- Bender Wirth: 432 Typ L8



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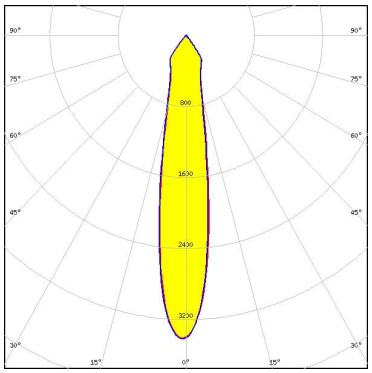
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC010C G2
FWHM / FWTM	19.0° / 65.0°
Efficiency	86 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



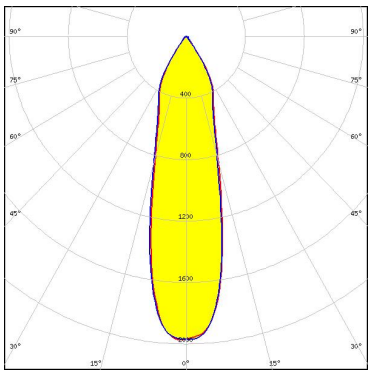


SAMSUNG

LED	LC010T (Tunable White)
FWHM / FWTM	27.0° / 69.0°
Efficiency	76 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16142_HEKLA-SOCKET-K
C14658_BARBARA-RZ-LENS
Bender Wirth: 501 Typ L8



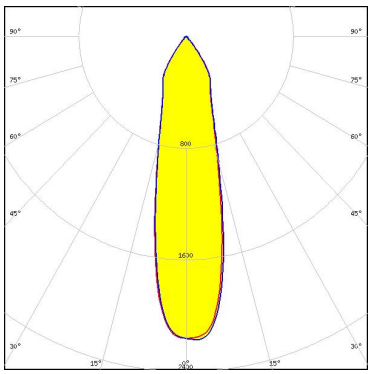


SAMSUNG

LED	LC010T (Tunable White)
FWHM / FWTM	26.0° / 72.0°
Efficiency	81 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	Tunable White

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

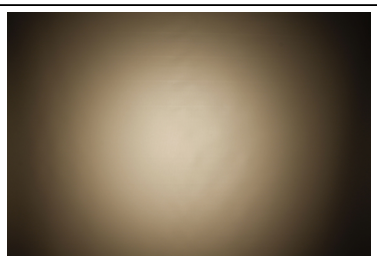


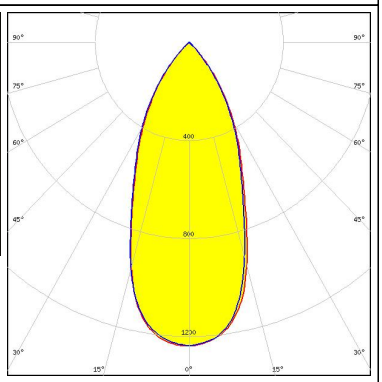


SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	44.0° / 82.0°
Efficiency	83 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I





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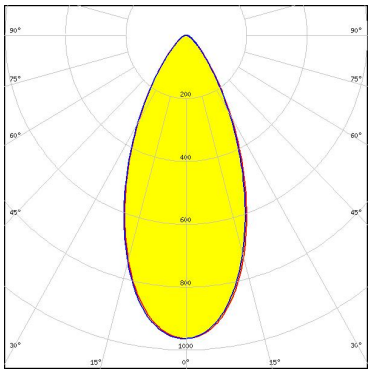
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	47.0° / 85.0°
Efficiency	74 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15859_HEKLA-SOCKET-I
- C13723_MIRELLA-RZL

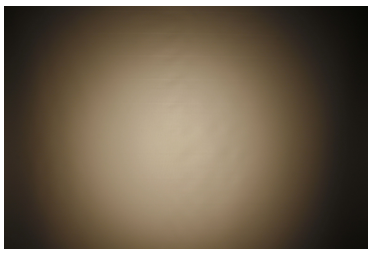


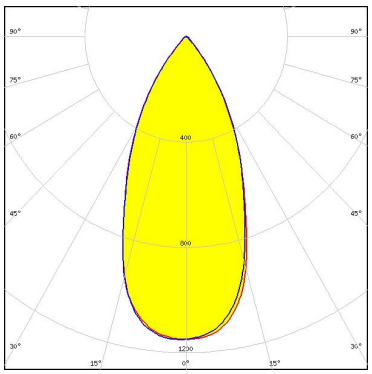


SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	47.0° / 79.0°
Efficiency	79 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- C15570_LENA-STD-BASE2-VERO13-18
- C13333_MIRELLA-CL

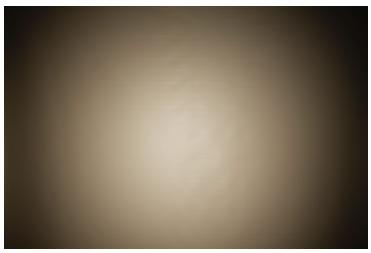


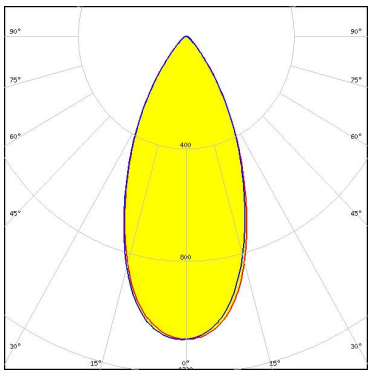


SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
FWHM / FWTM	47.0° / 81.0°
Efficiency	77 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15859_HEKLA-SOCKET-I
- C12479_MIRELLA-DL



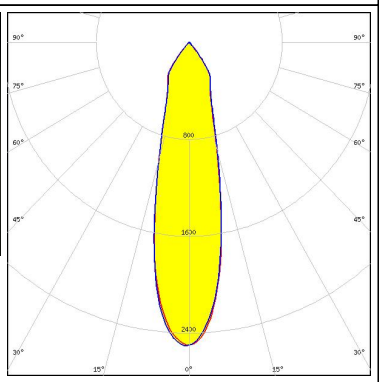


SAMSUNG

LED	LC020C
FWHM / FWTM	25.0° / 73.0°
Efficiency	88 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15848_HEKLA-SOCKET-G





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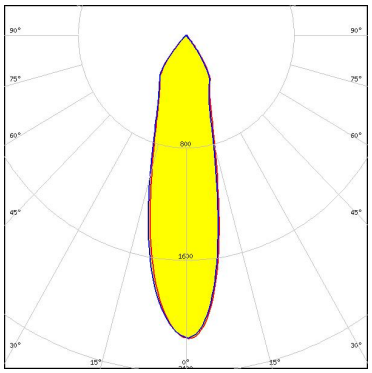
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LC020C G2
FWHM / FWTM	27.0° / 74.0°
Efficiency	85 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I

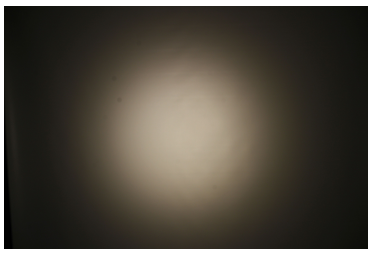


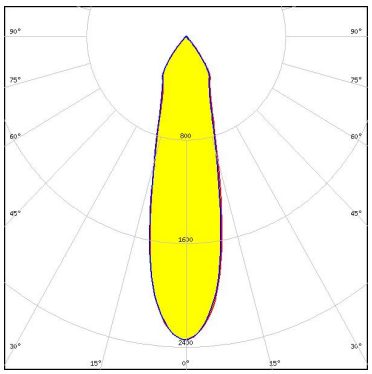


TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	27.0° / 73.0°
Efficiency	89 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



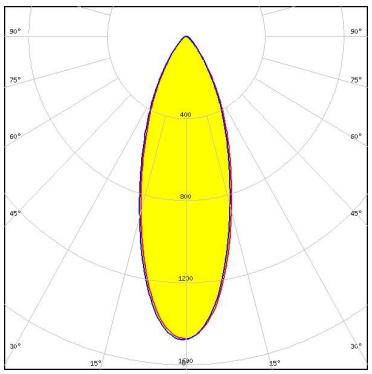


TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	36.0° / 75.0°
Efficiency	82 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C
C13723_MIRELLA-RZL

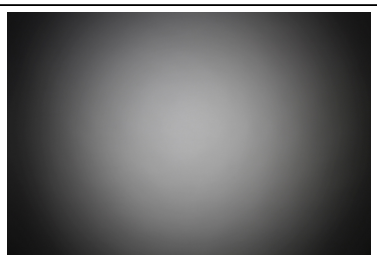


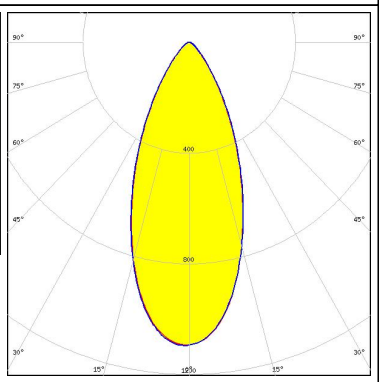


TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	44.0° / 82.0°
Efficiency	76 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15859_HEKLA-SOCKET-I
C13723_MIRELLA-RZL





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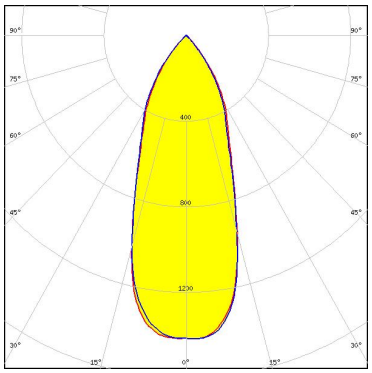
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	39.0° / 80.0°
Efficiency	84 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15859_HEKLA-SOCKET-I



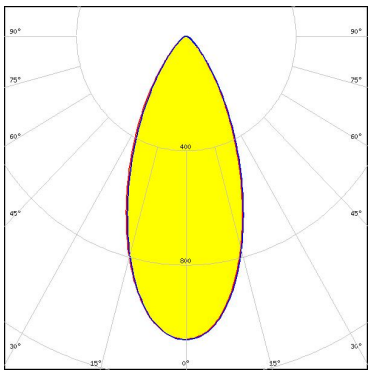


XICATO

LED	XOB 14.5 mm
FWHM / FWTM	46.0° / 84.0°
Efficiency	77 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15859_HEKLA-SOCKET-I
- C13723_MIRELLA-RZL



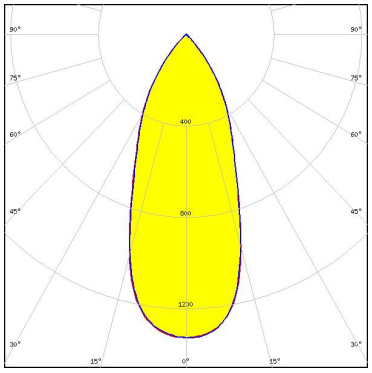


XICATO

LED	XOB 14.5 mm
FWHM / FWTM	42.0° / 81.0°
Efficiency	84 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15859_HEKLA-SOCKET-I



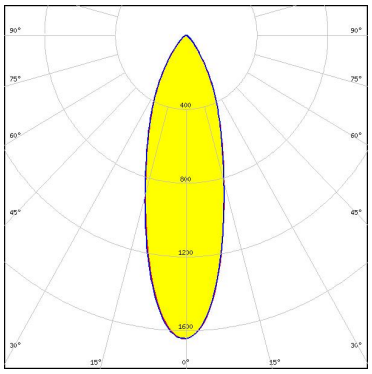


XICATO

LED	XOB 6 mm
FWHM / FWTM	31.0° / 72.0°
Efficiency	80 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
- F15255_HEKLA-SOCKET-C
- C13723_MIRELLA-RZL





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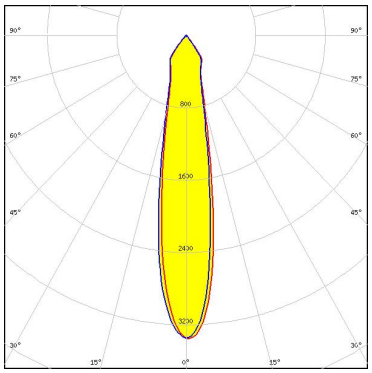
PHOTOMETRIC DATA (MEASURED):

XICATO

LED	XOB 6 mm
FWHM / FWTM	20.0° / 65.0°
Efficiency	87 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C



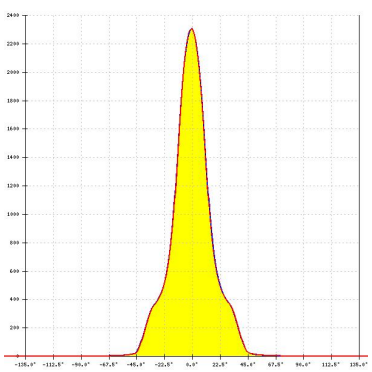


XICATO

LED	XOB 9.8 mm
FWHM / FWTM	27.0° / 74.0°
Efficiency	88 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C
C13723_MIRELLA-RZL



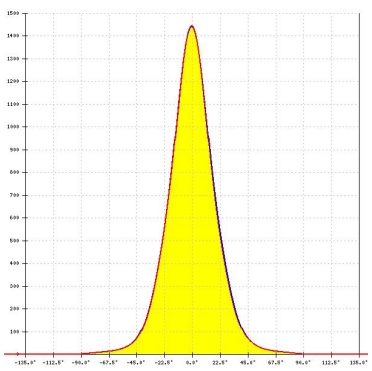


XICATO

LED	XOB 9.8 mm
FWHM / FWTM	36.0° / 76.0°
Efficiency	80 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
F15255_HEKLA-SOCKET-C
C13723_MIRELLA-RZL



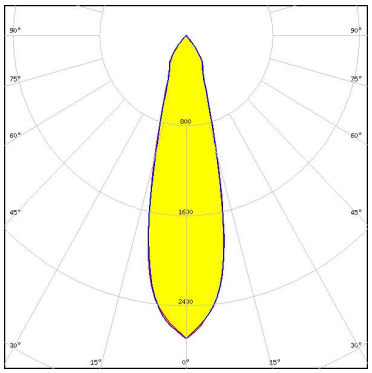


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PHOTOMETRIC DATA (SIMULATED):

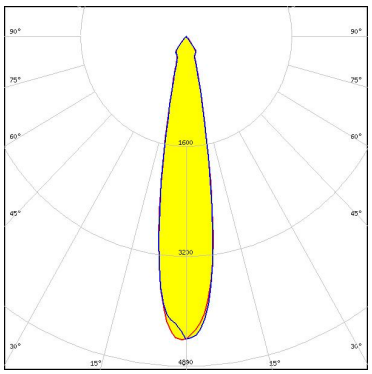
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	27.3° / 65.3°
Efficiency	87 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	



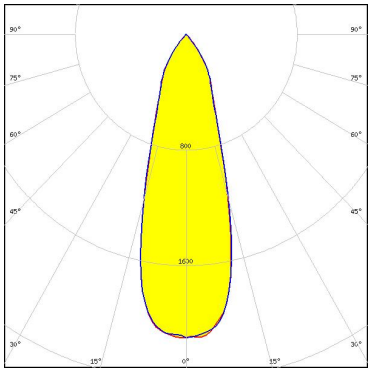
LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	20.0° / 41.0°
Efficiency	89 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15255_HEKLA-SOCKET-C	



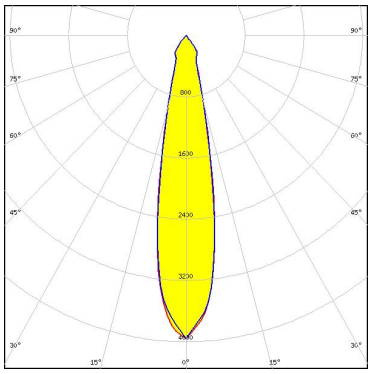
NICHIA

LED	COB L-Type (LES 11)
FWHM / FWTM	32.0° / 71.0°
Efficiency	88 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15858_HEKLA-SOCKET-H	



NICHIA

LED	COB T-Type
FWHM / FWTM	21.0° / 43.0°
Efficiency	88 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
F15848_HEKLA-SOCKET-G	



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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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