BARBARA-G2-M

~25° wide beam compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 70.0 mm
Height	41.9 mm
Fastening	socket
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16364_BARBARA-G2-M » Box size: 480 x 280 x 300 mm	252	90	18	4.5

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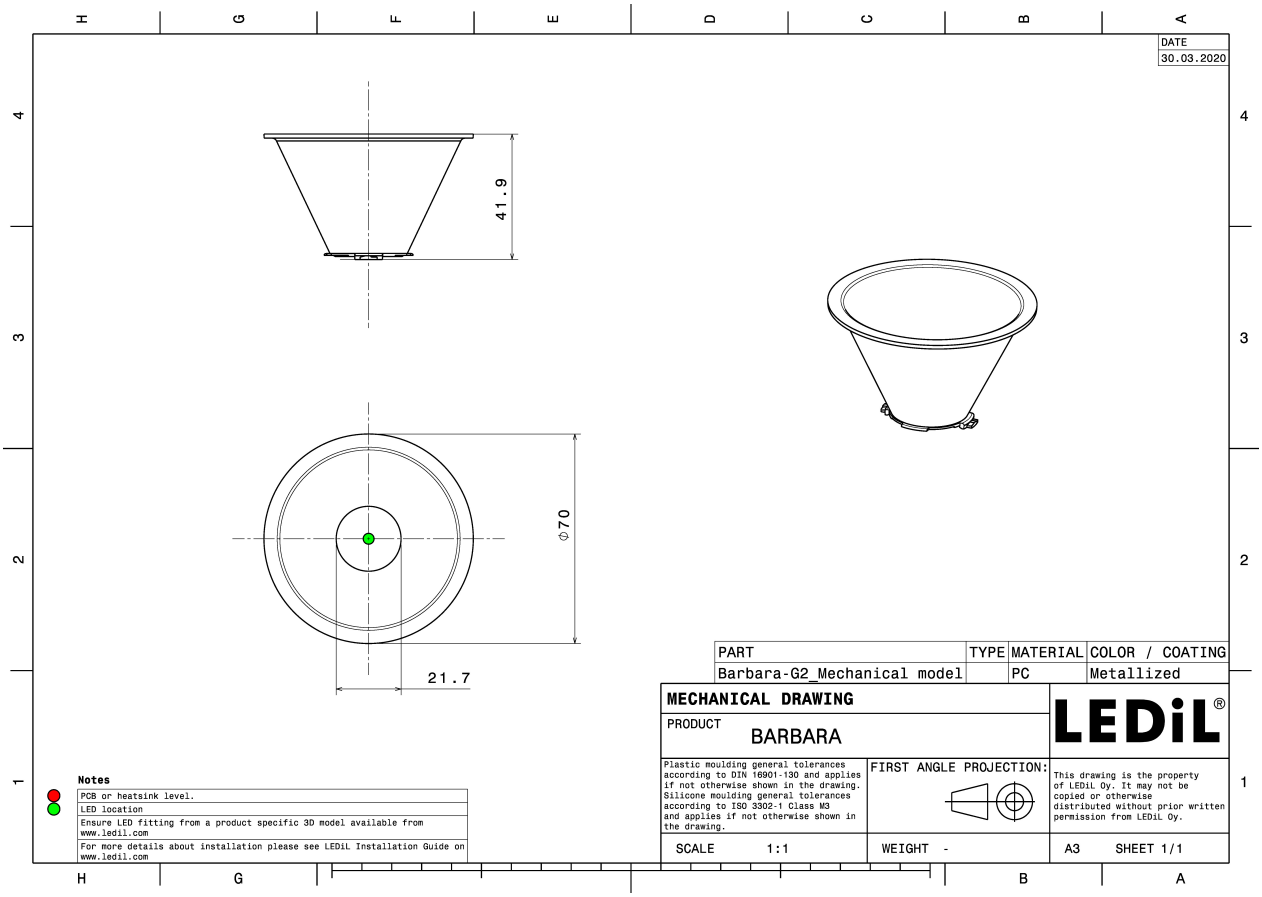


See also our general installation guide: www.ledil.com/installation_guide

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

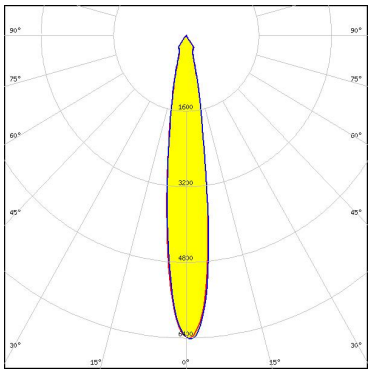
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V4 HD Gen 7
FWHM / FWTM	16.0° / 36.0°
Efficiency	92 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

F15253_HEKLA-SOCKET-A



Light distribution files

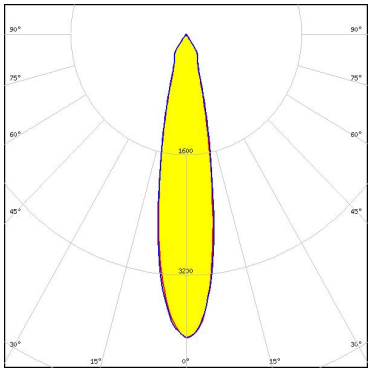
bridgelux

LED	V4 HD Gen 7
FWHM / FWTM	21.0° / 47.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

F15253_HEKLA-SOCKET-A

C14658_BARBARA-RZ-LENS



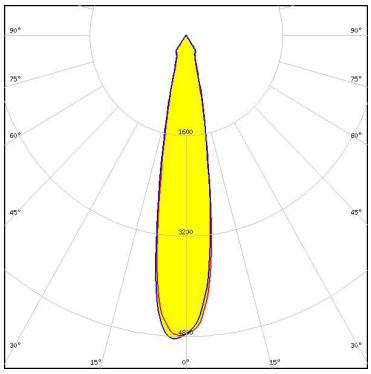
Light distribution files

bridgelux

LED	V6 HD Gen 7
FWHM / FWTM	20.0° / 41.0°
Efficiency	92 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

F15255_HEKLA-SOCKET-C



Light distribution files

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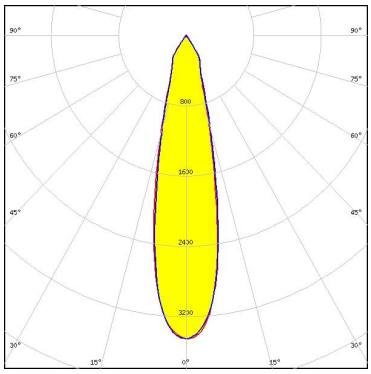
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V6 HD Gen 7
FWHM / FWTM	24.0° / 56.0°
Efficiency	87 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- F15255_HEKLA-SOCKET-C
- C14658_BARBARA-RZ-LENS

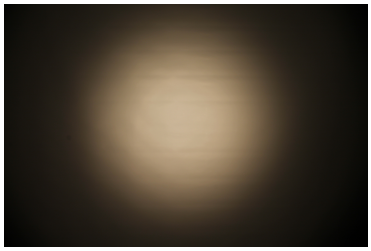


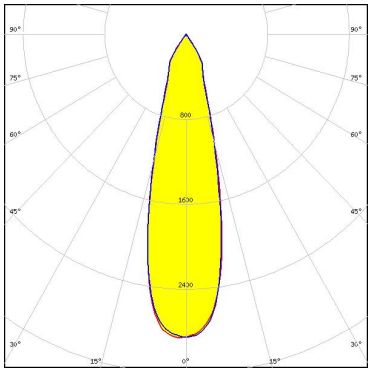
Light distribution files

bridgelux

LED	V9 HD Gen7
FWHM / FWTM	27.0° / 64.0°
Efficiency	86 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- F15859_HEKLA-SOCKET-I
- C14658_BARBARA-RZ-LENS



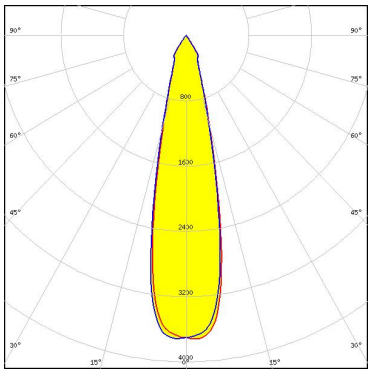


Light distribution files

bridgelux

LED	V9 HD Gen7
FWHM / FWTM	24.0° / 49.0°
Efficiency	91 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- F15859_HEKLA-SOCKET-I



Light distribution files

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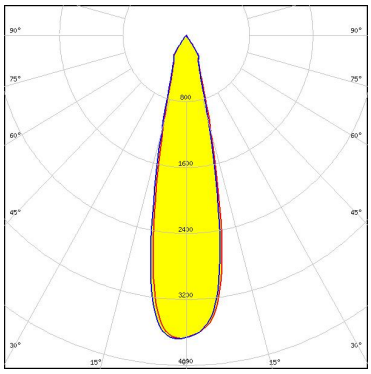
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V9 HD Gen7
FWHM / FWTM	24.0° / 51.0°
Efficiency	92 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15859_HEKLA-SOCKET-I

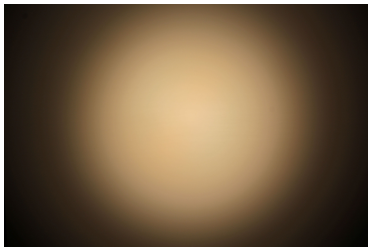


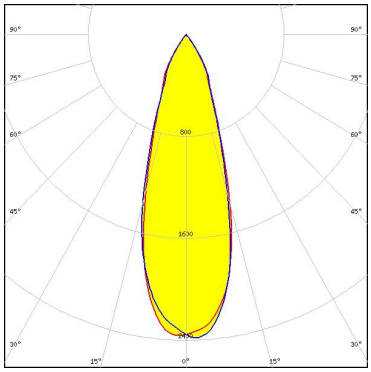
Light distribution files

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	32.0° / 65.0°
Efficiency	88 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

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



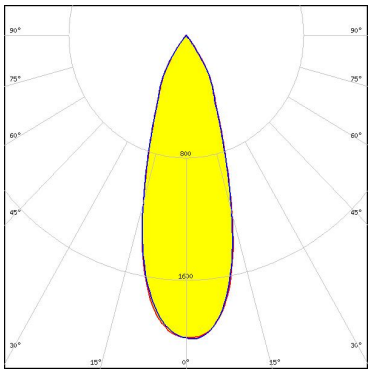


Light distribution files

bridgelux

LED	Vesta DTW 13mm (21W)
FWHM / FWTM	34.0° / 68.0°
Efficiency	82 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:
C16142_HEKLA-SOCKET-K
C14658_BARBARA-RZ-LENS
Bender Wirth: 491 Typ L8



Light distribution files

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

OPTICAL RESULTS (MEASURED):

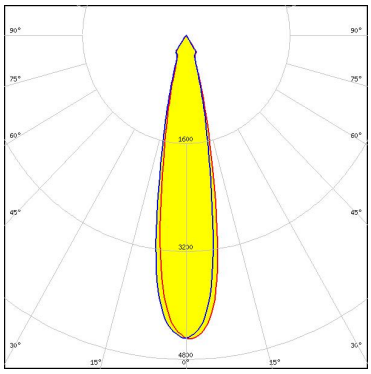
bridgelux

LED	Vesta TW 6mm DP
FWHM / FWTM	21.0° / 41.0°
Efficiency	88 %
Peak intensity	4.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16142_HEKLA-SOCKET-K

Bender Wirth: 504 Typ L8



Light distribution files

bridgelux

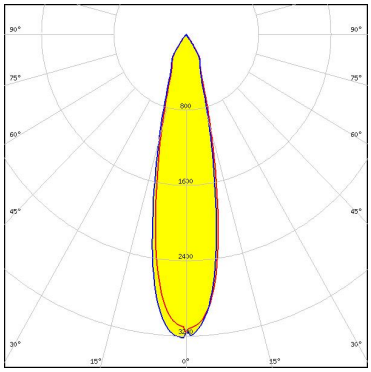
LED	Vesta TW 6mm DP
FWHM / FWTM	24.0° / 57.0°
Efficiency	82 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16142_HEKLA-SOCKET-K

C14658_BARBARA-RZ-LENS

Bender Wirth: 504 Typ L8



Light distribution files

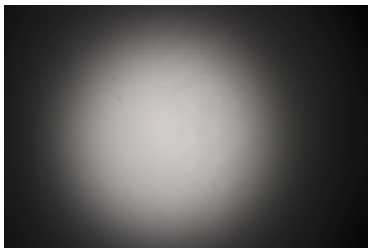
bridgelux

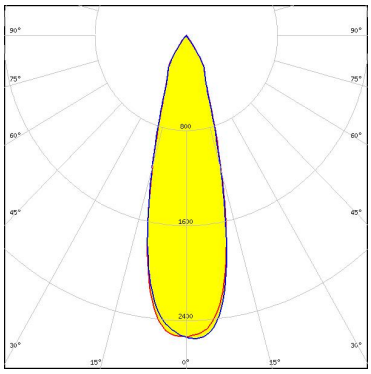
LED	Vesta TW 9mm (12W) CSP
FWHM / FWTM	29.0° / 64.0°
Efficiency	83 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16142_HEKLA-SOCKET-K

C14658_BARBARA-RZ-LENS





Light distribution files

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

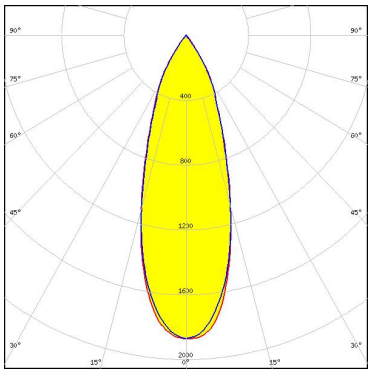
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLC030 Series (Dim-To-Warm)
FWHM / FWTM	34.0° / 68.0°
Efficiency	80 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16142_HEKLA-SOCKET-K
C14658_BARBARA-RZ-LENS
Bender Wirth: 436 Typ L8



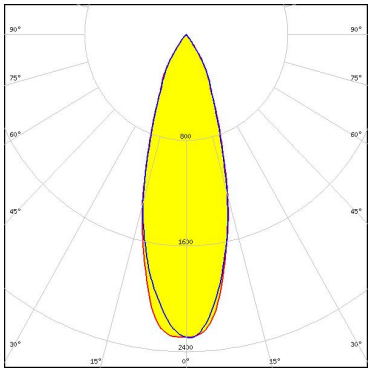
Light distribution files

CITIZEN

LED	CLC030 Series (Dim-To-Warm)
FWHM / FWTM	33.0° / 66.0°
Efficiency	87 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

C16142_HEKLA-SOCKET-K
Bender Wirth: 436 Typ L8



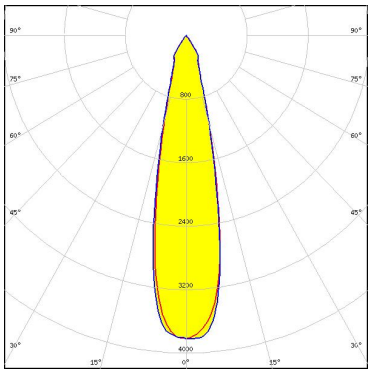
Light distribution files

CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM / FWTM	24.0° / 49.0°
Efficiency	92 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

F15255_HEKLA-SOCKET-C



Light distribution files

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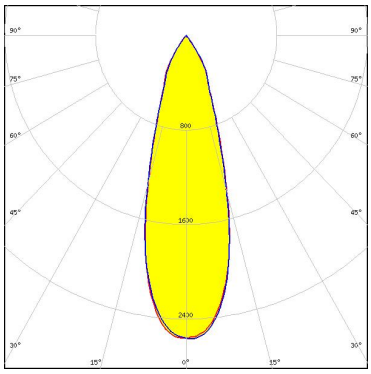
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLL03x/CLU03x
FWHM / FWTM	31.0° / 65.0°
Efficiency	91 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15859_HEKLA-SOCKET-I

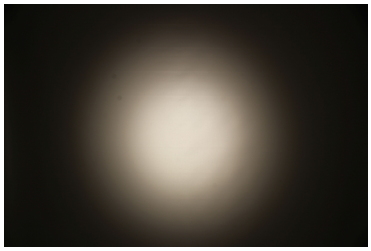


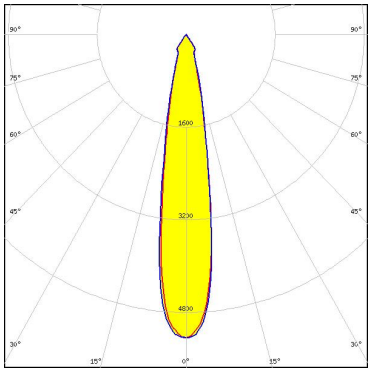
Light distribution files

CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	19.0° / 39.0°
Efficiency	92 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C



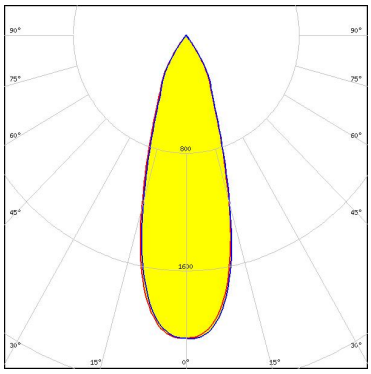


Light distribution files

CITIZEN

LED	LCN-C02B (Tunable White)
FWHM / FWTM	33.0° / 67.0°
Efficiency	82 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:
C16142_HEKLA-SOCKET-K
C14658_BARBARA-RZ-LENS
Bender Wirth: 481 Typ L8



Light distribution files

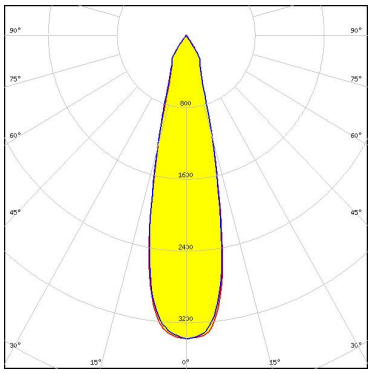
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CMT14xx
FWHM / FWTM	26.0° / 57.0°
Efficiency	92 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C

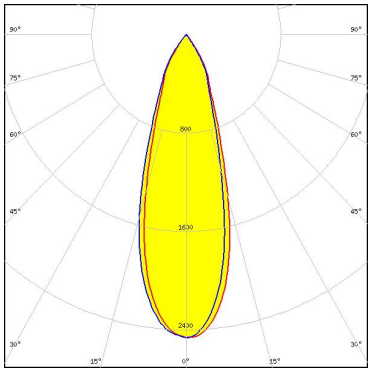


Light distribution files

CREE LEDs

LED	CMT19xx
FWHM / FWTM	32.0° / 66.0°
Efficiency	92 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15859_HEKLA-SOCKET-I

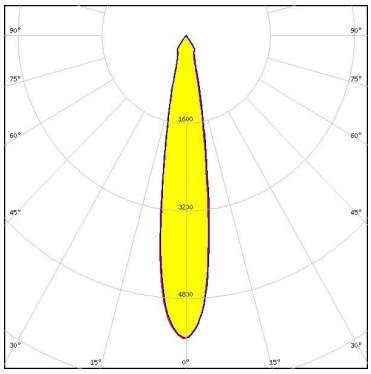


Light distribution files

CREE LEDs

LED	CXA/B 13xx
FWHM / FWTM	18.0° / 37.0°
Efficiency	92 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15956_HEKLA-SOCKET-J



Light distribution files

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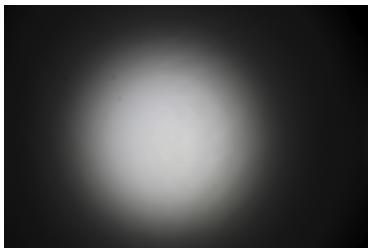
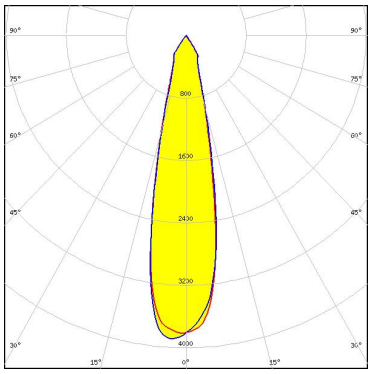
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CXA/B 15xx
FWHM / FWTM	23.0° / 49.0°
Efficiency	92 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15256_HEKLA-SOCKET-D



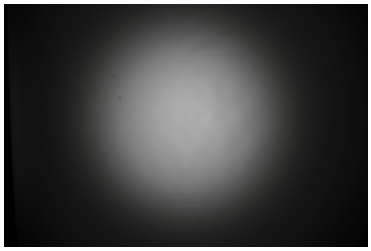


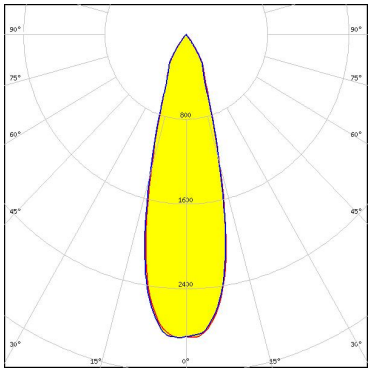
Light distribution files

CREE LEDs

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM	29.0° / 63.0°
Efficiency	91 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15254_HEKLA-SOCKET-B



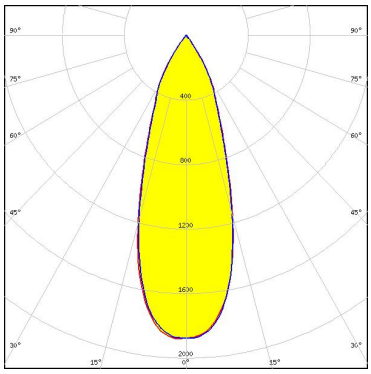


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM	35.0° / 68.0°
Efficiency	82 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14658_BARBARA-RZ-LENS
Bender Wirth: 637a Hekla



Light distribution files

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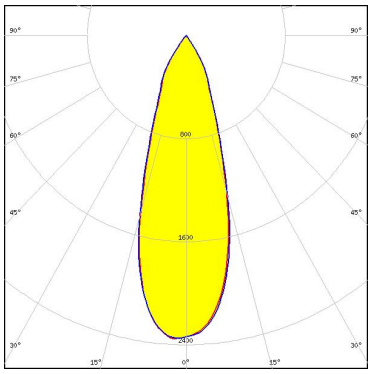
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM	33.0° / 66.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 637a Hekla

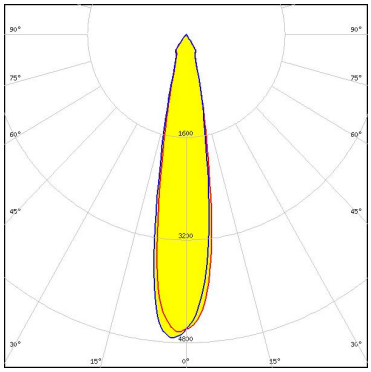


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202HD
FWHM / FWTM	20.0° / 42.0°
Efficiency	91 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15848_HEKLA-SOCKET-G

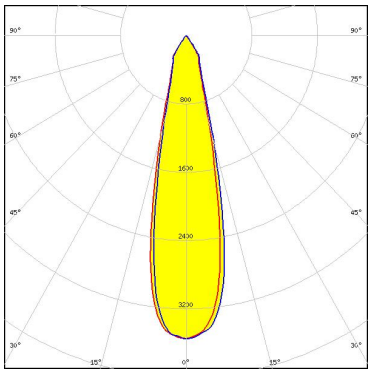


Light distribution files

LUMILEDS

LED	LUXEON CoB 1204HD
FWHM / FWTM	25.0° / 53.0°
Efficiency	92 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15858_HEKLA-SOCKET-H



Light distribution files

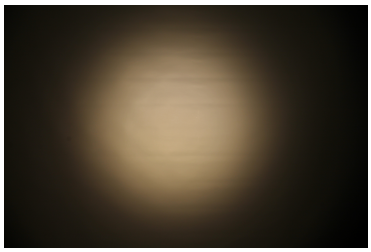
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

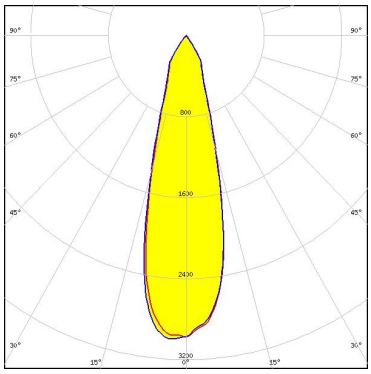
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CoB 1205HD
FWHM / FWTM	28.0° / 63.0°
Efficiency	91 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15858_HEKLA-SOCKET-H



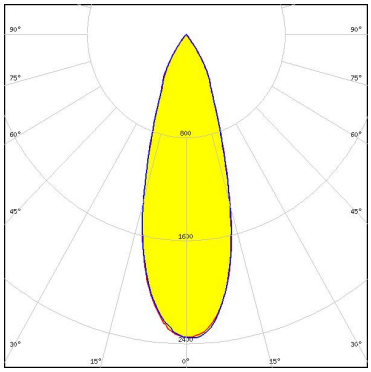


Light distribution files

LUMILEDS

LED	LUXEON CoB 1208
FWHM / FWTM	33.0° / 66.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 632a Hekla XL

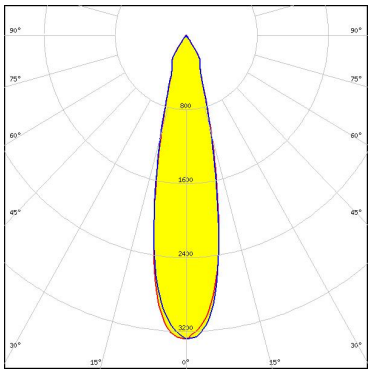


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM	24.0° / 57.0°
Efficiency	84 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14658_BARBARA-RZ-LENS
Bender Wirth: 634c Hekla



Light distribution files

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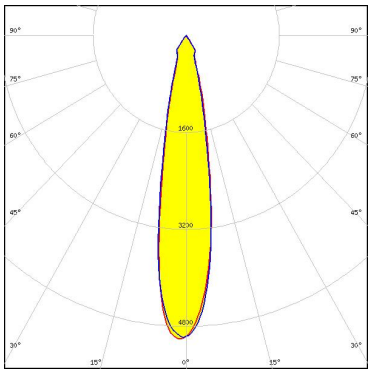
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM	20.0° / 39.0°
Efficiency	91 %
Peak intensity	5 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 634c Hekla

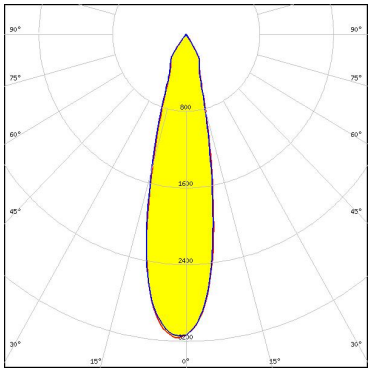


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S02H6
FWHM / FWTM	25.0° / 60.0°
Efficiency	84 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14658_BARBARA-RZ-LENS
Bender Wirth: 634c Hekla

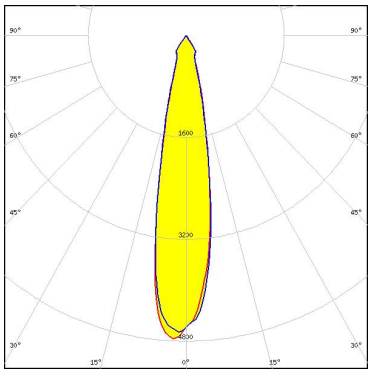


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S02H6
FWHM / FWTM	21.0° / 40.0°
Efficiency	91 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 634c Hekla



Light distribution files

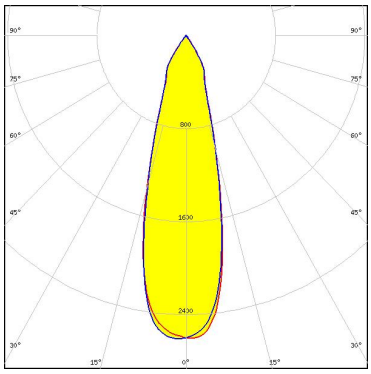
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM / FWTM	28.0° / 64.0°
Efficiency	85 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14658_BARBARA-RZ-LENS
Bender Wirth: 634c Hekla

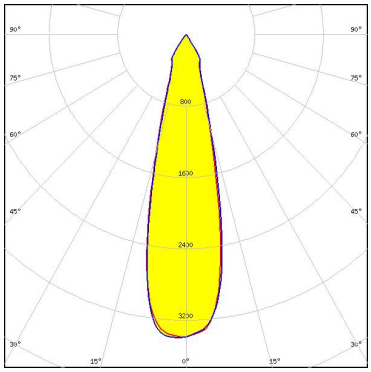


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
FWHM / FWTM	26.0° / 58.0°
Efficiency	91 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 634c Hekla

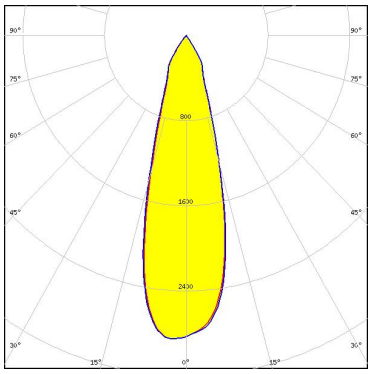


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
FWHM / FWTM	29.0° / 63.0°
Efficiency	90 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 637a Hekla



Light distribution files

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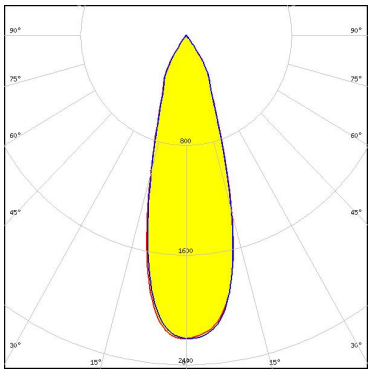
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
FWHM / FWTM	32.0° / 66.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14658_BARBARA-RZ-LENS
Bender Wirth: 637a Hekla

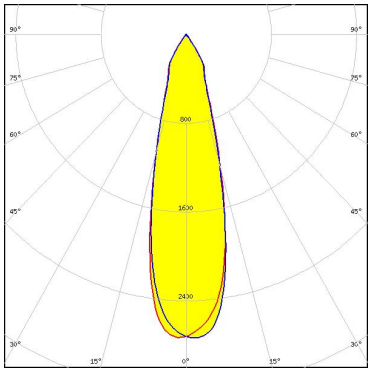


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM	27.0° / 64.0°
Efficiency	84 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C14658_BARBARA-RZ-LENS
Bender Wirth: 641a Hekla

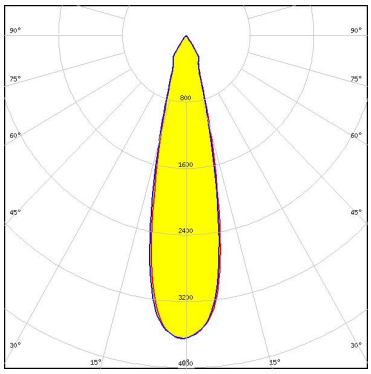


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM	24.0° / 51.0°
Efficiency	91 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
Bender Wirth: 641a Hekla



Light distribution files

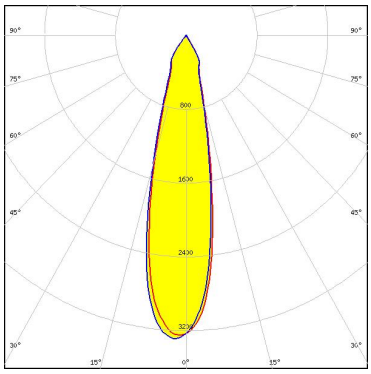
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM	24.0° / 58.0°
Efficiency	84 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- C14658_BARBARA-RZ-LENS
- Bender Wirth: 634c Hekla

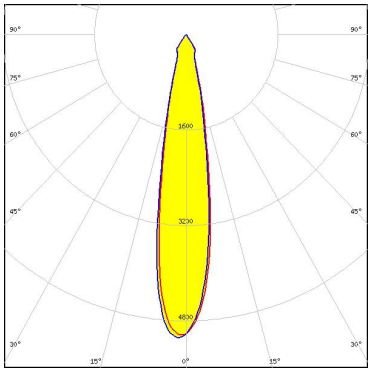


Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM	20.0° / 39.0°
Efficiency	91 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- Bender Wirth: 634c Hekla

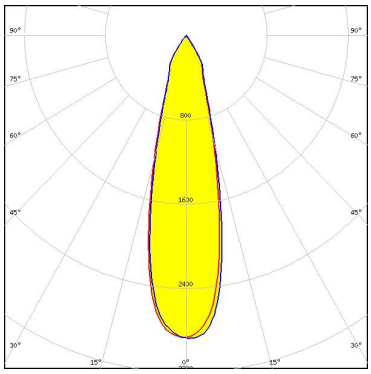


Light distribution files

LUMILEDS

LED	LUXEON Fusion 21-up (20x24)
FWHM / FWTM	27.0° / 63.0°
Efficiency	84 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- C16142_HEKLA-SOCKET-K
- C14658_BARBARA-RZ-LENS
- Bender Wirth: 442 Typ L8



Light distribution files

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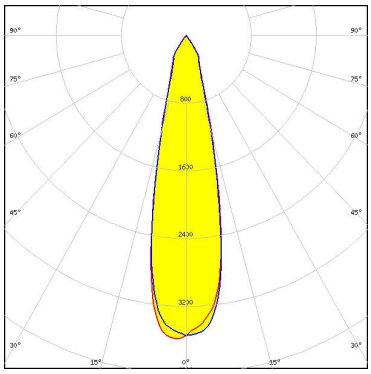
OPTICAL RESULTS (MEASURED):

PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	25.0° / 53.0°
Efficiency	92 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15858_HEKLA-SOCKET-H

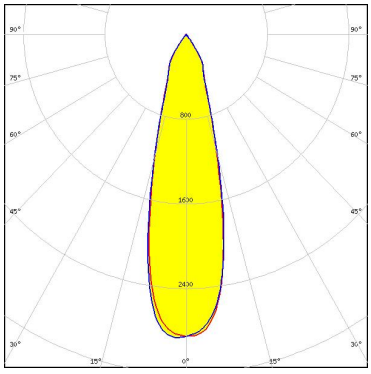


Light distribution files

PHILIPS

LED	Fortimo SLM L09 CoB
FWHM / FWTM	27.0° / 64.0°
Efficiency	88 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15858_HEKLA-SOCKET-H
C14658_BARBARA-RZ-LENS

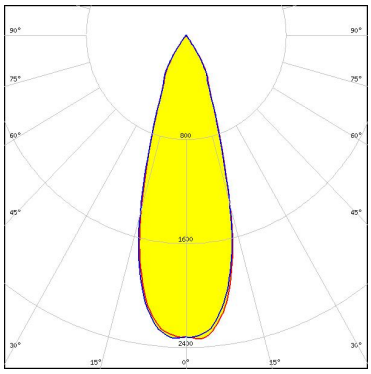


Light distribution files

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	33.0° / 65.0°
Efficiency	89 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White

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



Light distribution files

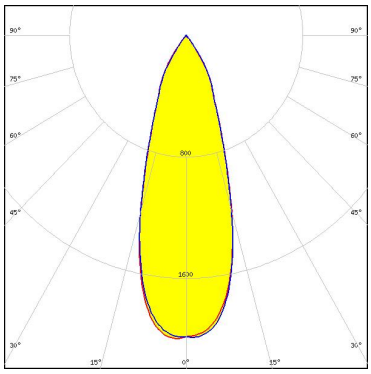
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

PHILIPS

LED	Fortimo SLM L13 CoB
FWHM / FWTM	34.0° / 67.0°
Efficiency	83 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- C16142_HEKLA-SOCKET-K
- C14658_BARBARA-RZ-LENS
- Bender Wirth: 432 Typ L8

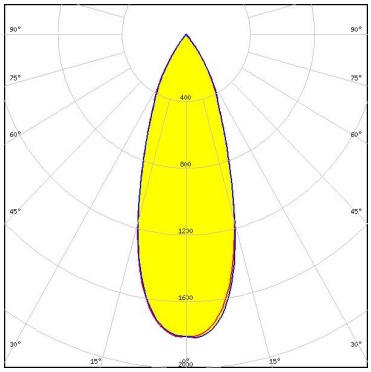


Light distribution files

PHILIPS

LED	Fortimo SLM L15 CoB
FWHM / FWTM	36.0° / 69.0°
Efficiency	83 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- C16142_HEKLA-SOCKET-K
- C14658_BARBARA-RZ-LENS
- Bender Wirth: 432 Typ L8

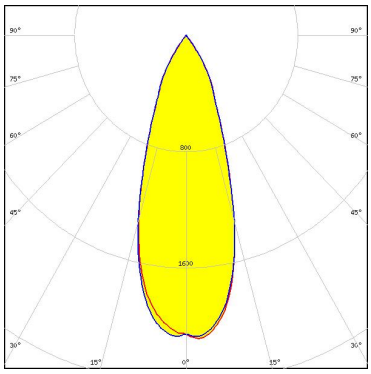


Light distribution files

PHILIPS

LED	Fortimo SLM L15 CoB
FWHM / FWTM	35.0° / 67.0°
Efficiency	88 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White

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



Light distribution files

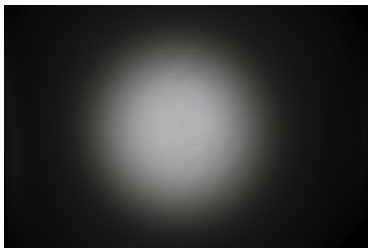
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

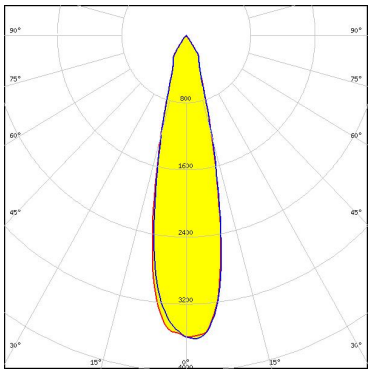
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
FWHM / FWTM	25.0° / 52.0°
Efficiency	92 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C



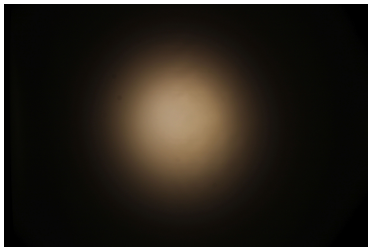


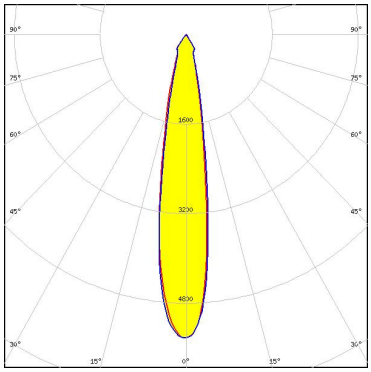
Light distribution files

SAMSUNG

LED	LC010C G2
FWHM / FWTM	18.0° / 38.0°
Efficiency	92 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C



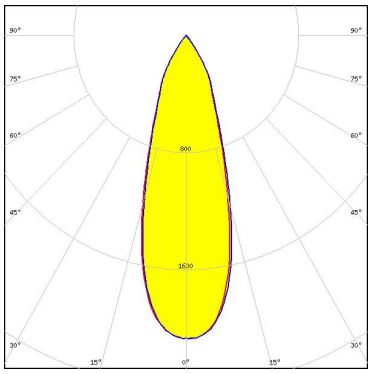


Light distribution files

SAMSUNG

LED	LC020T (Tunable white)
FWHM / FWTM	33.0° / 67.0°
Efficiency	83 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

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



Light distribution files

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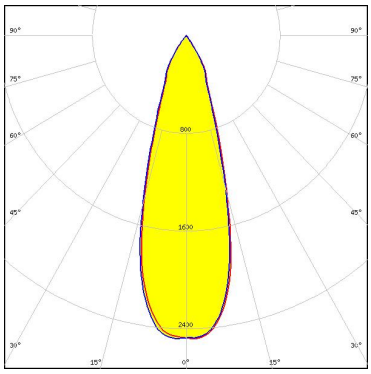
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LC020T (Tunable white)
FWHM / FWTM	31.0° / 64.0°
Efficiency	88 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

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

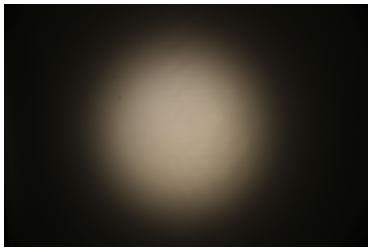


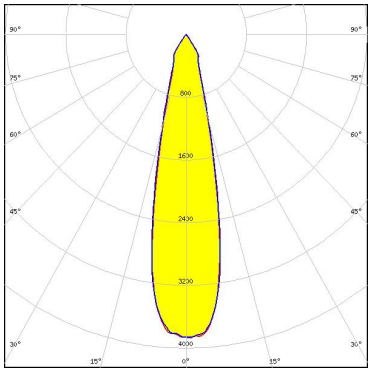
Light distribution files

TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	24.0° / 50.0°
Efficiency	94 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- F15255_HEKLA-SOCKET-C



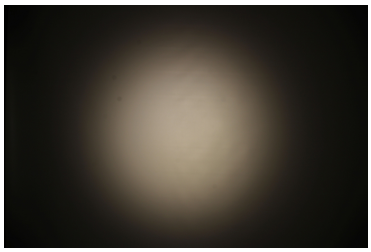


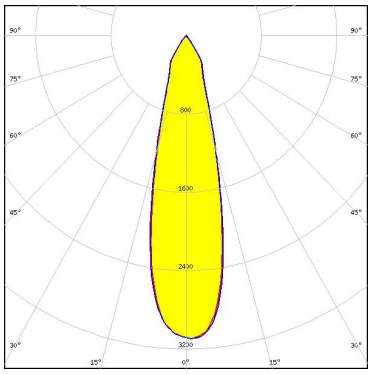
Light distribution files

TRIDONIC

LED	SLE G7 LES09
FWHM / FWTM	26.0° / 63.0°
Efficiency	90 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- F15255_HEKLA-SOCKET-C
- C14658_BARBARA-RZ-LENS





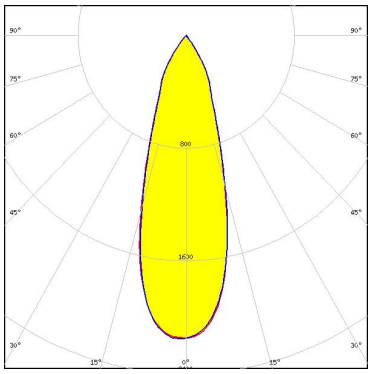
Light distribution files

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

OPTICAL RESULTS (MEASURED):

TRIDONIC

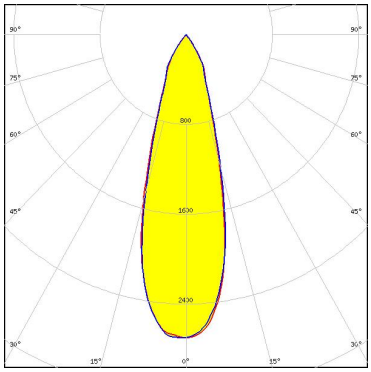
LED	SLE G7 LES13
FWHM / FWTM	32.0° / 67.0°
Efficiency	84 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	
C14658_BARBARA-RZ-LENS	



Light distribution files

TRIDONIC

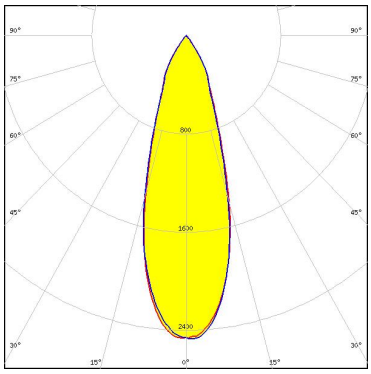
LED	SLE G7 LES13
FWHM / FWTM	30.0° / 64.0°
Efficiency	91 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

TRIDONIC

LED	SLE G7 LES15
FWHM / FWTM	32.0° / 66.0°
Efficiency	91 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

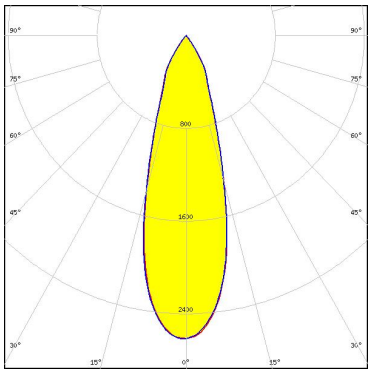
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

XICATO

LED	XOB 14.5 mm
FWHM / FWTM	30.0° / 65.0°
Efficiency	92 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15859_HEKLA-SOCKET-I

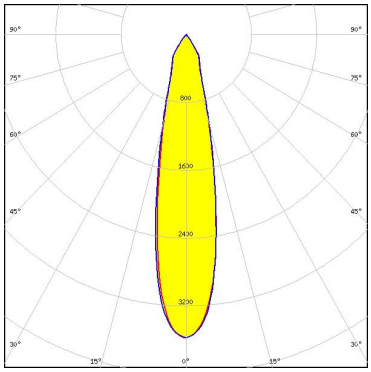


Light distribution files

XICATO

LED	XOB 6 mm
FWHM / FWTM	23.0° / 55.0°
Efficiency	86 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C
C14658_BARBARA-RZ-LENS

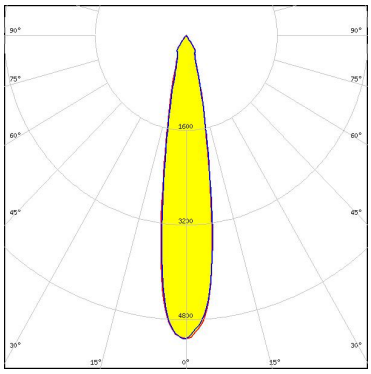


Light distribution files

XICATO

LED	XOB 6 mm
FWHM / FWTM	18.0° / 39.0°
Efficiency	90 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

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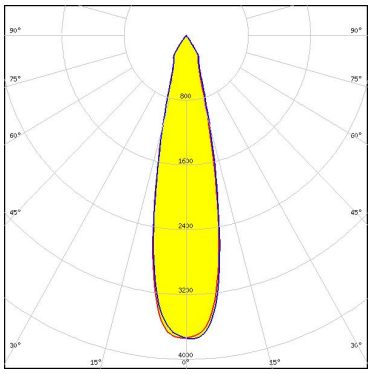
OPTICAL RESULTS (MEASURED):

XICATO

LED	XOB 9.8 mm
FWHM / FWTM	24.0° / 50.5 + 51.0°
Efficiency	92 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

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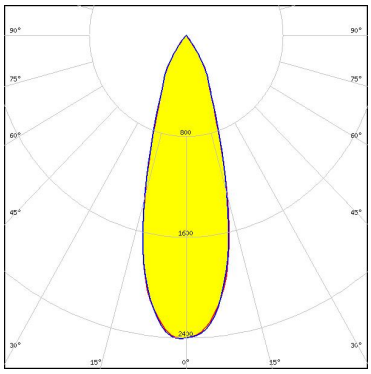
OPTICAL RESULTS (SIMULATED):

bridgelux

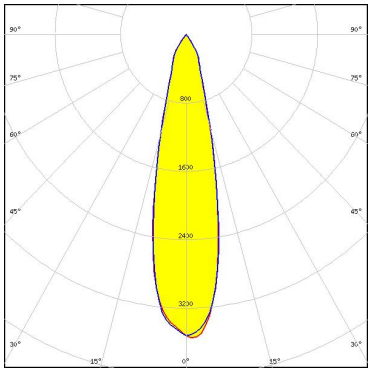
LED	V13 Gen 8-9
FWHM / FWTM	32.0° / 66.0°
Efficiency	89 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

bridgelux

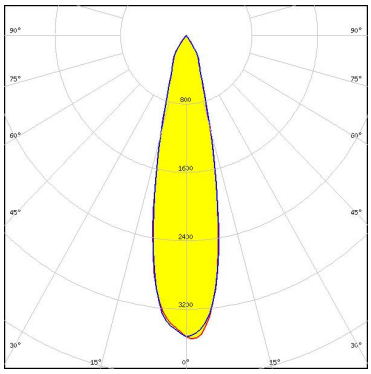
LED	VERO10
FWHM / FWTM	24.0° / 53.0°
Efficiency	89 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15616_HEKLA-SOCKET-F	



Light distribution files

bridgelux

LED	VERO13
FWHM / FWTM	31.0° / 63.0°
Efficiency	83 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

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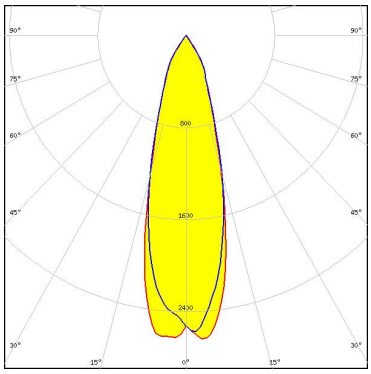
OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Vesta DTW 15mm (33W)
FWHM / FWTM	30.0° / 64.0°
Efficiency	87 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	

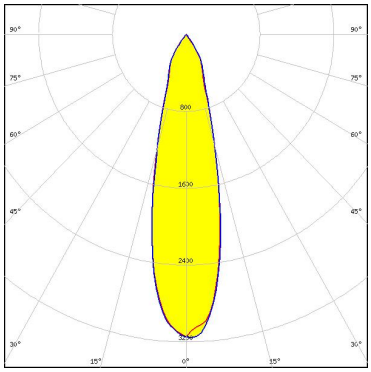


Bender Wirth: 491 Typ L8

Light distribution files

NICHIA

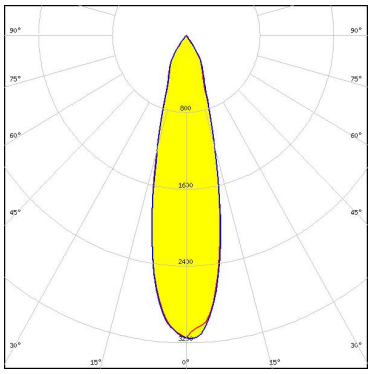
LED	COB L-Type (LES 11)
FWHM / FWTM	26.0° / 61.0°
Efficiency	90 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15858_HEKLA-SOCKET-H	



Light distribution files

NICHIA

LED	COB L-Type (LES 9)
FWHM / FWTM	22.0° / 51.0°
Efficiency	90 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15858_HEKLA-SOCKET-H	



Light distribution files

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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.

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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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