AMY-50-S

~18° spot beam



SPECIFICATION:

Dimensions	Ø 49.9
Height	10.8 mm
Fastening	socket
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-50-S	Single lens	PMMA	clear		
AMY-50-HLD2-C	Holder C	PC	black		
AMY-50-HLD2-B	Holder B	PC	black		
AMY-50-HLD2-C-WHT	Holder C	PC	white		
AMY-50-HLD2-B-WHT	Holder B	PC	white		

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ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17686_AMY-50-S » Box size: 480 x 280 x 300 mm	690	120	30	9.5
CP19150_AMY-50-S-B2-WHT » Box size: 480 x 280 x 300 mm	510	120	30	8.8
CP19141_AMY-50-S-C2-WHT » Box size: 480 x 280 x 300 mm	510	120	30	8.4
CP19132_AMY-50-S-B2 » Box size: 480 x 280 x 300 mm	510	120	30	8.8
CP19123_AMY-50-S-C2 » Box size: 480 x 280 x 300 mm	510	120	30	8.3

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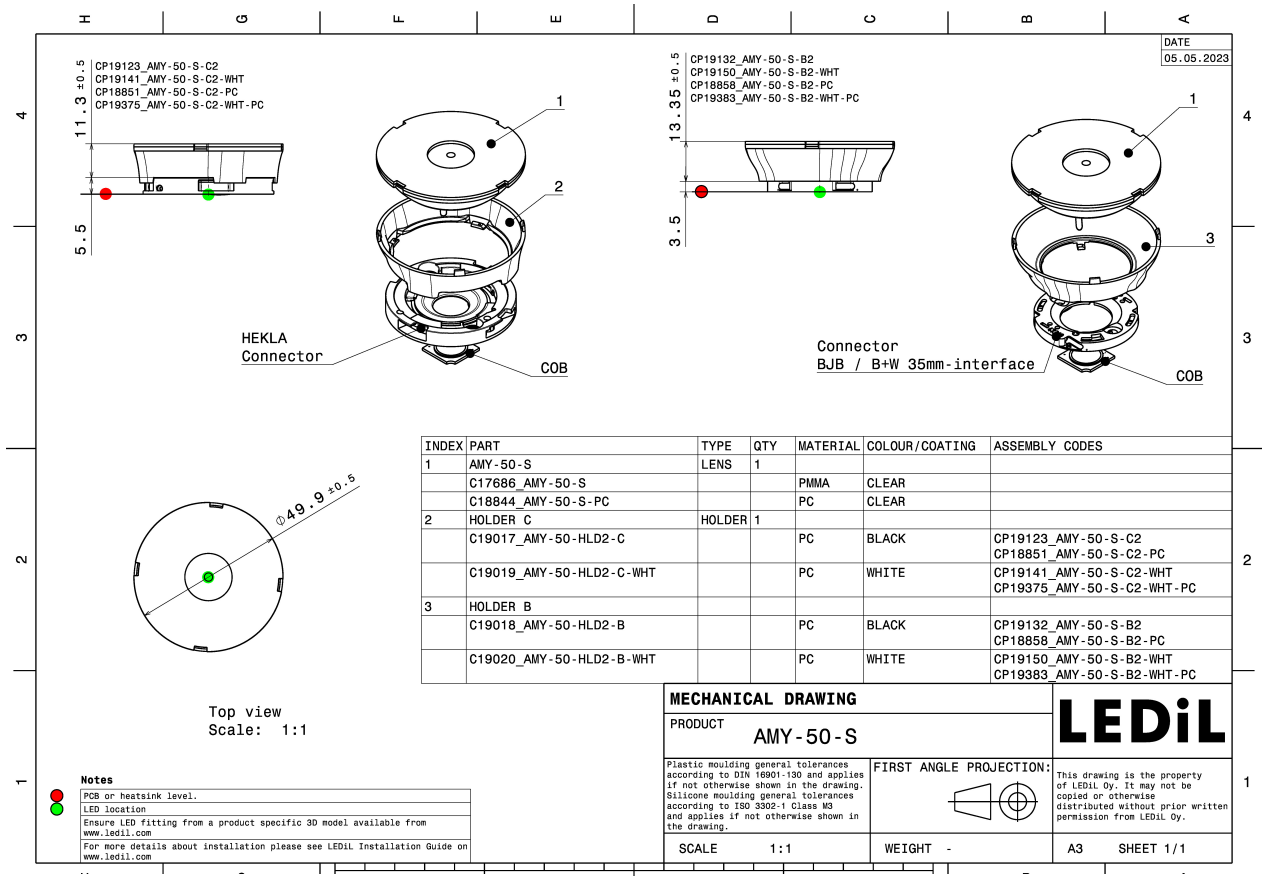

INDEX	PART	TYPE	QTY	MATERIAL	COLOUR/COATING	ASSEMBLY CODES
1	AMY-50-S	LENS	1			
	C17686_AMY-50-S			PMMA	CLEAR	
	C18844_AMY-50-S-PC			PC	CLEAR	
2	HOLDER C	HOLDER	1			
	C19017_AMY-50-HLD2-C			PC	BLACK	CP19123_AMY-50-S-C2 CP18851_AMY-50-S-C2-PC
	C19019_AMY-50-HLD2-C-WHT			PC	WHITE	CP19141_AMY-50-S-C2-WHT CP19375_AMY-50-S-C2-WHT-PC
3	HOLDER B					
	C19018_AMY-50-HLD2-B			PC	BLACK	CP19132_AMY-50-S-B2 CP18858_AMY-50-S-B2-PC
	C19020_AMY-50-HLD2-B-WHT			PC	WHITE	CP19150_AMY-50-S-B2-WHT CP19383_AMY-50-S-B2-WHT-PC

Top view
Scale: 1:1

Notes

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

MECHANICAL DRAWING

PRODUCT AMY-50-S

LEDiL

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

FIRST ANGLE PROJECTION:

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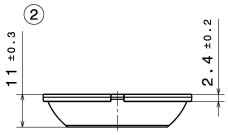
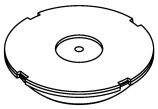
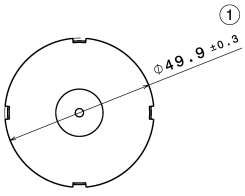
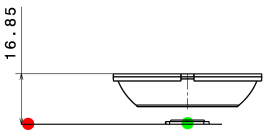
SCALE 1:1 | WEIGHT - | A3 | SHEET 1/1









PART	TYPE	MATERIAL	COLOR / COATING
C17686_AMY-50-S	LENS	PMMA	CLEAR
C18844_AMY-50-S-PC	LENS	PC	CLEAR

MECHANICAL DRAWING

PRODUCT AMY-50-S

LEDiL

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

FIRST ANGLE PROJECTION:

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

Notes

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

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

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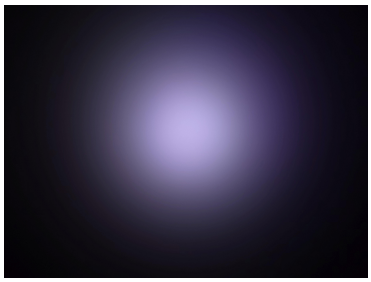
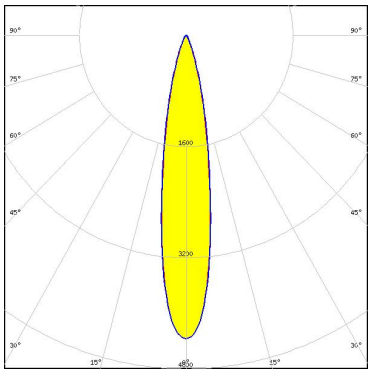
OPTICAL RESULTS (MEASURED):

bridgelux

LED	BXRV-D10-RGBW2000-A3
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	19.0° / 40.0°
Efficiency	79 %
Peak intensity	4.4 cd/lm
LEDs/each optic	28
Light colour/type	RGBW
Required components:	
C19950_HEKLA-SOCKET-RZ	



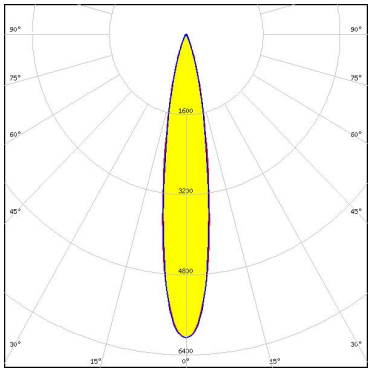


Light distribution files

bridgelux

LED	V10 Gen 8-9
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 38.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



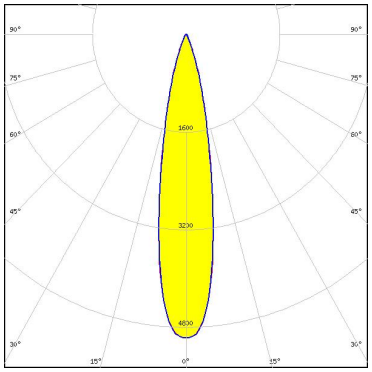


Light distribution files

bridgelux

LED	V11 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	20.0° / 41.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 633d Hekla	





Light distribution files

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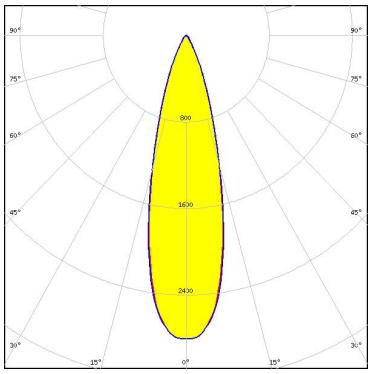
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V13 Gen 8-9
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	28.0° / 53.0°
Efficiency	87 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	

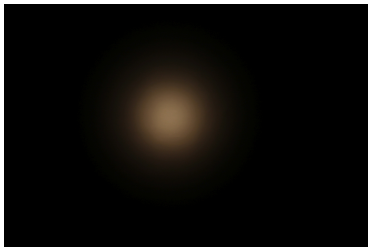


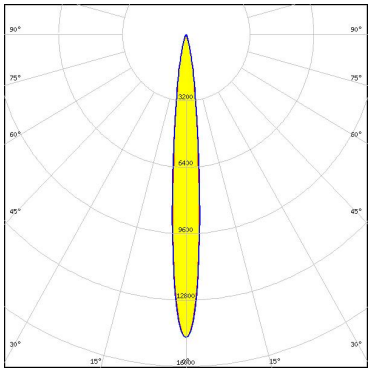


Light distribution files

bridgelux

LED	V4 HD Gen 7
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	10.0° / 24.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	

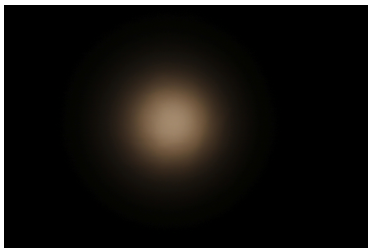


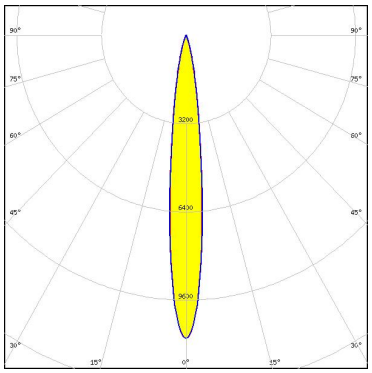


Light distribution files

bridgelux

LED	V6 HD Gen 7
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 28.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	





Light distribution files

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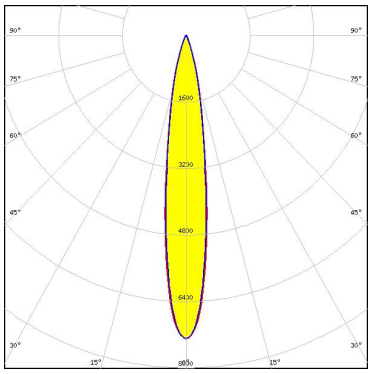
OPTICAL RESULTS (MEASURED):

bridgelux

LED	V8 Gen 8-9
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 35.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	

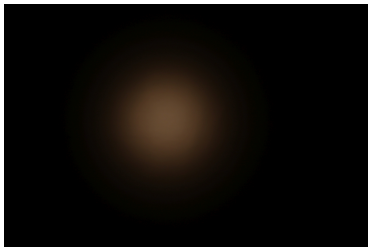


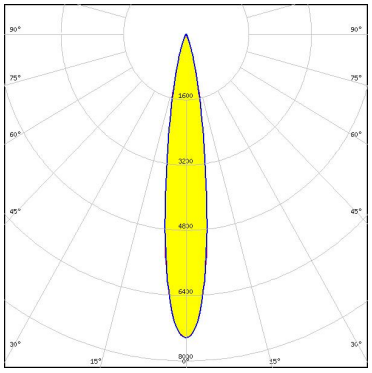


Light distribution files

bridgelux

LED	V9 HD Gen7
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 33.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	

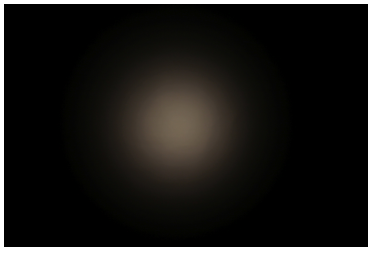


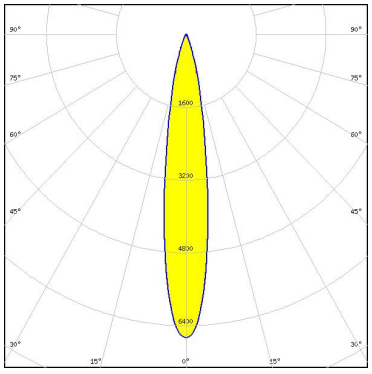


Light distribution files

bridgelux

LED	VERO10
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 36.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15616_HEKLA-SOCKET-F	





Light distribution files

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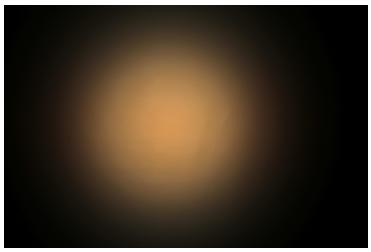
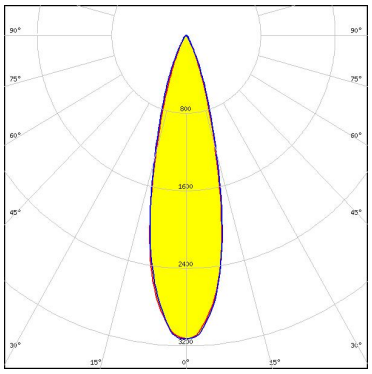
OPTICAL RESULTS (MEASURED):

bridgelux

LED	Vesta DTW 13mm (21W)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	27.0° / 49.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 491 Typ L8	



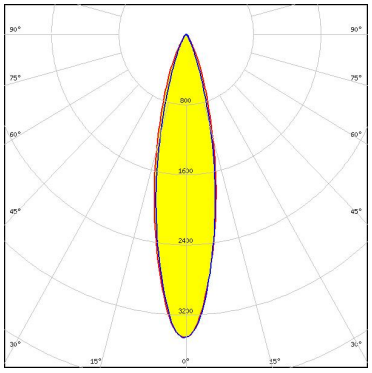


Light distribution files

bridgelux

LED	Vesta DTW 15mm (33W)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	24.0° / 49.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 491 Typ L8	



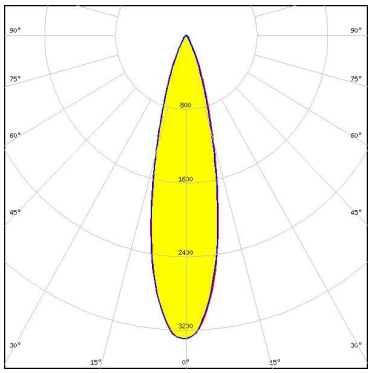


Light distribution files

bridgelux

LED	Vesta TW 13mm (18W) DP
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	25.0° / 49.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 492 Typ L8	





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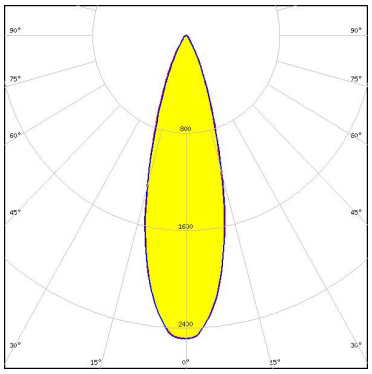
OPTICAL RESULTS (MEASURED):

bridgelux

LED	Vesta TW 15mm DP
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	30.0° / 55.0°
Efficiency	85 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 482 Typ L8	

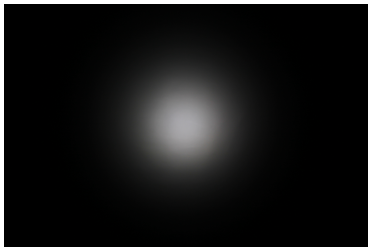


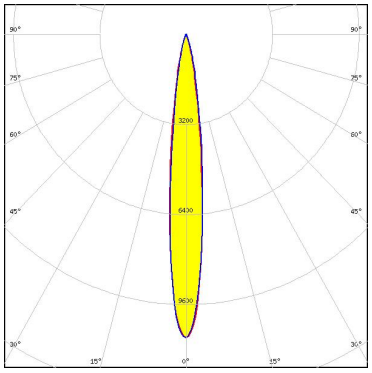


Light distribution files

bridgelux

LED	Vesta TW 6mm DP
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	13.0° / 28.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 504 Typ L8	



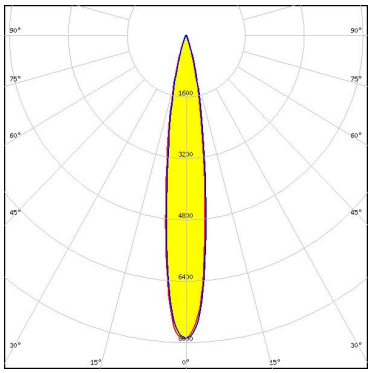


Light distribution files

bridgelux

LED	Vesta TW 6mm DP
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	16.0° / 33.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 504 Typ B35L	





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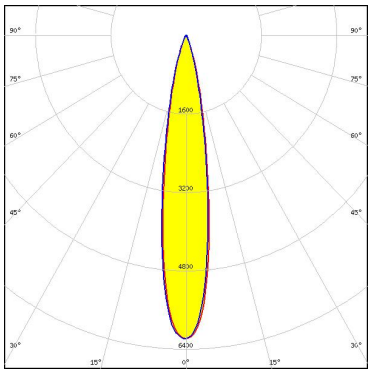
OPTICAL RESULTS (MEASURED):

bridgelux

LED	Vesta TW 9mm (9W) DP
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 36.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 489 Typ L8	



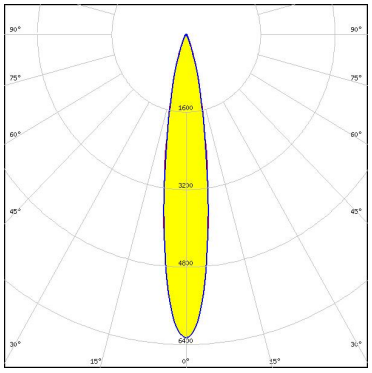


Light distribution files

CITIZEN

LED	CLU02Q-1204E1 Type-M
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 37.0°
Efficiency	90 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



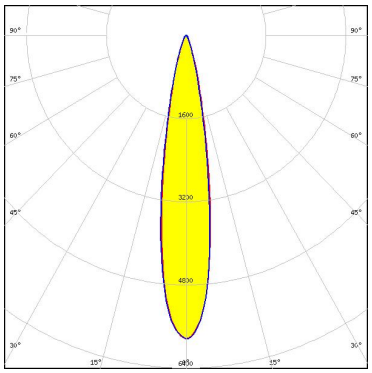


Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	CP19141_AMY-50-S-C2-WHT
FWHM / FWTM	19.0° / 37.0°
Efficiency	95 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





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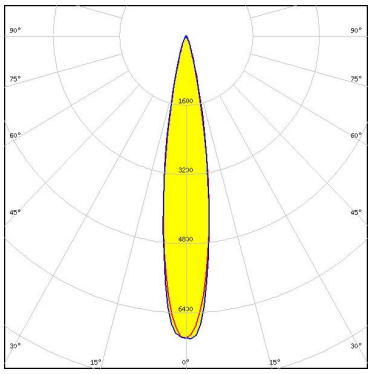
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU02x (LES10)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	17.0° / 38.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Green Gems: GH27d	

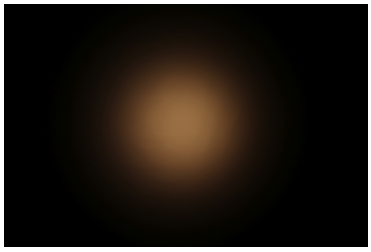


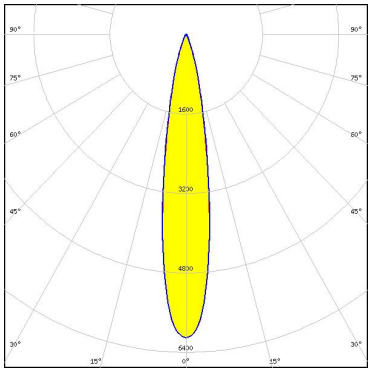


Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 36.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



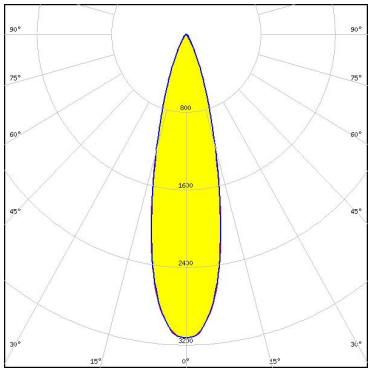


Light distribution files

CITIZEN

LED	CLU03x
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	26.0° / 50.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	





Light distribution files

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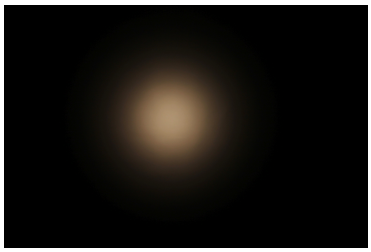
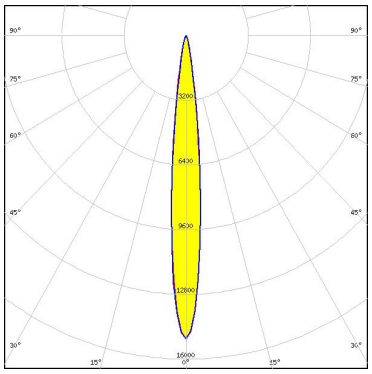
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU700/701/702/703
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	13.0° / 28.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

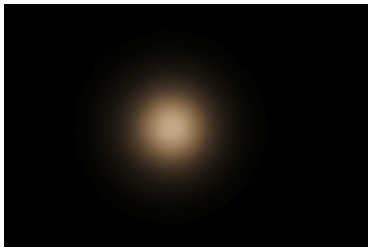


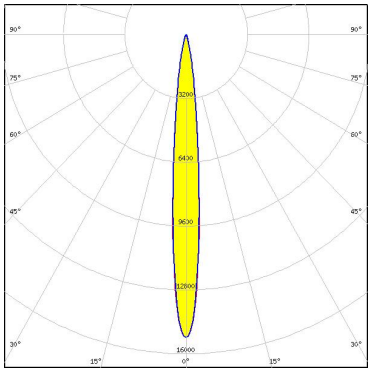


Light distribution files

CITIZEN

LED	CLU7A2/7A3
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	10.0° / 23.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

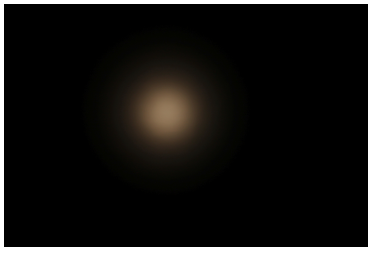


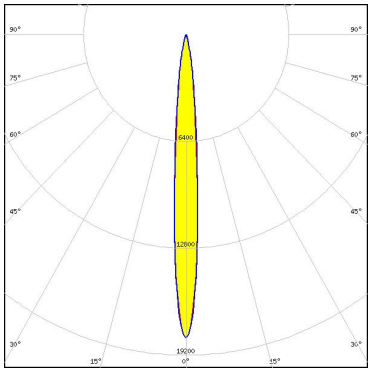


Light distribution files

CITIZEN

LED	CLU7B2
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	9.0° / 22.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





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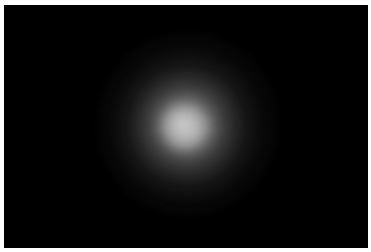
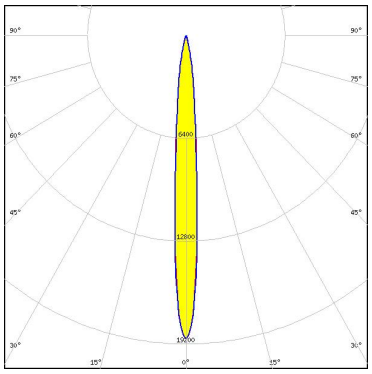
OPTICAL RESULTS (MEASURED):

CITIZEN

LED	CLU7L3
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	9.0° / 23.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 667a Bayonet35	

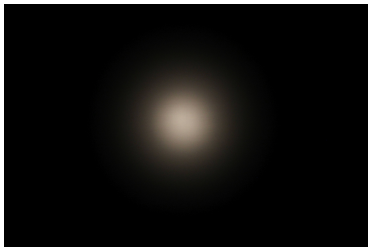


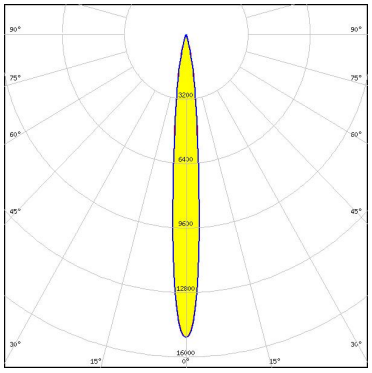


Light distribution files

CITIZEN

LED	CLU7S3
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	10.0° / 25.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 667a Bayonet35	

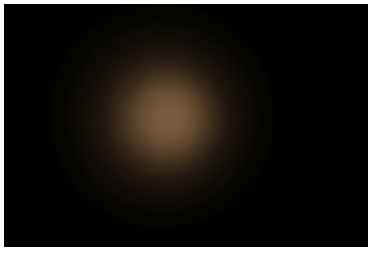


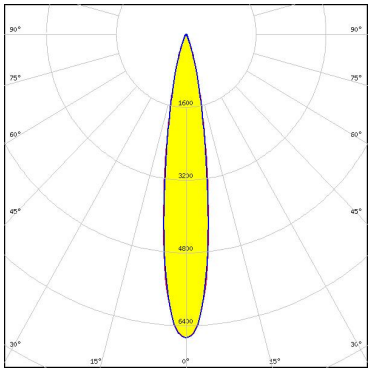


Light distribution files

CREE LEDs

LED	CMA1516
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 35.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17436_HEKLA-G2-D	





Light distribution files

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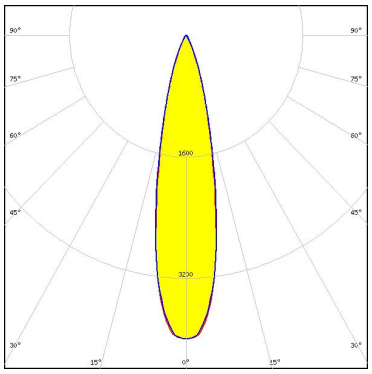
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CMA1825
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	23.0° / 45.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15254_HEKLA-SOCKET-B	

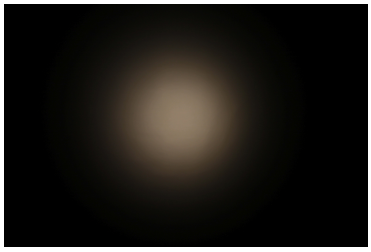


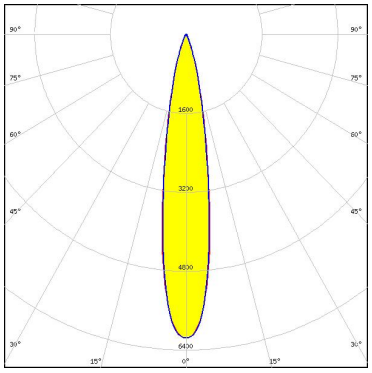


Light distribution files

CREE LEDs

LED	CMT14xx
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 37.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



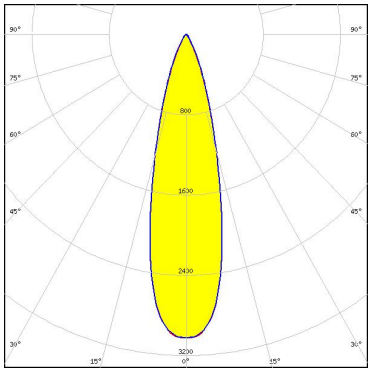


Light distribution files

CREE LEDs

LED	CMT19xx
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	26.0° / 51.0°
Efficiency	87 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	





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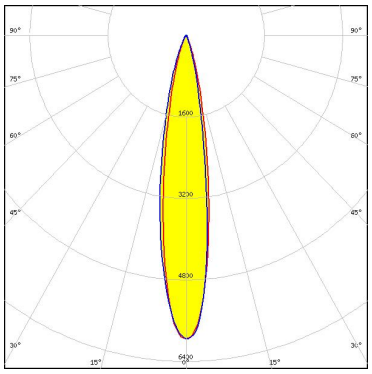
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	CMU10xx
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 37.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

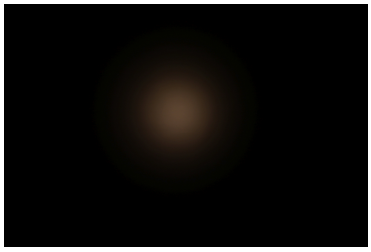


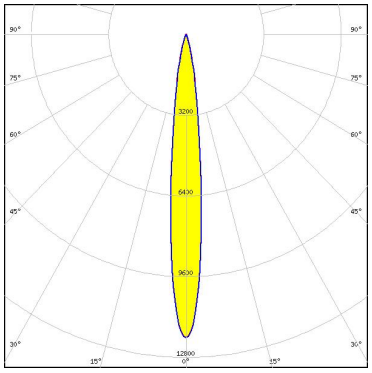


Light distribution files

CREE LEDs

LED	CXA/B 13xx
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 27.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17439_HEKLA-G2-J	

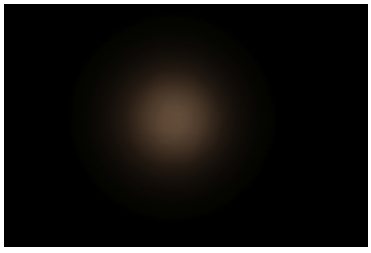


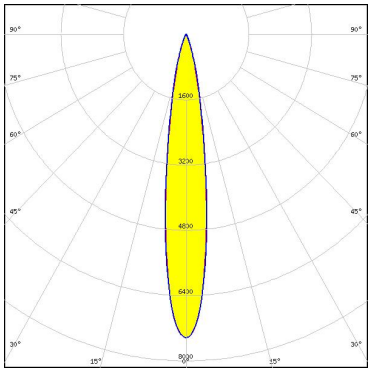


Light distribution files

CREE LEDs

LED	CXA/B 15xx
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	15.0° / 34.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17436_HEKLA-G2-D	





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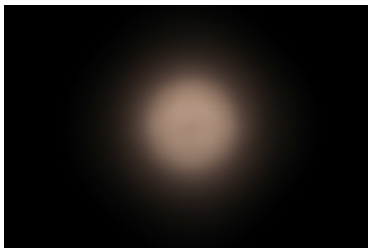
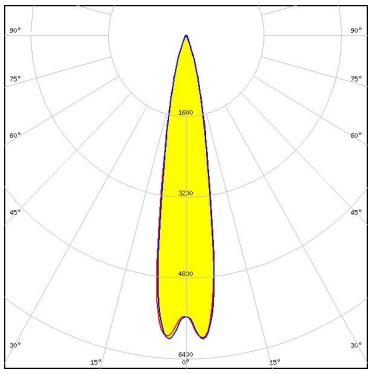
OPTICAL RESULTS (MEASURED):

LEDIM

LED	LEDIM/C6
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	19.0° / 37.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



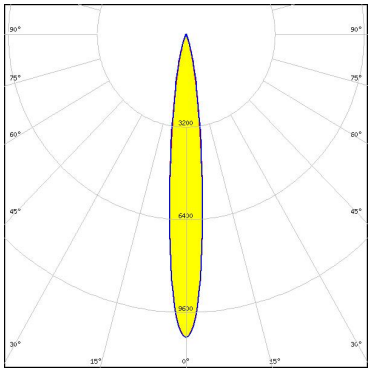


Light distribution files

LUMILEDS

LED	LUXEON 7070
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	13.0° / 29.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 634a Bayonet35L	

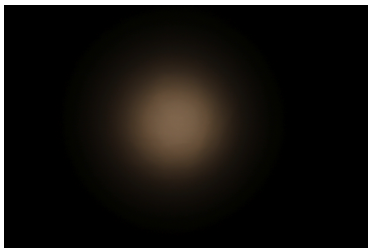


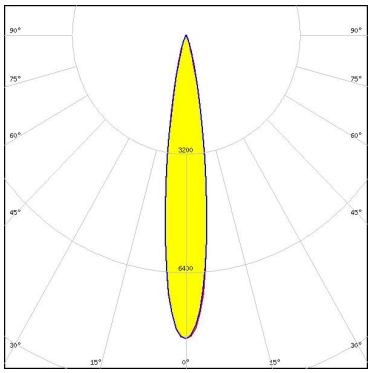


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202/1203
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 35.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	





Light distribution files

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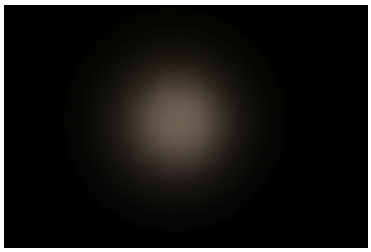
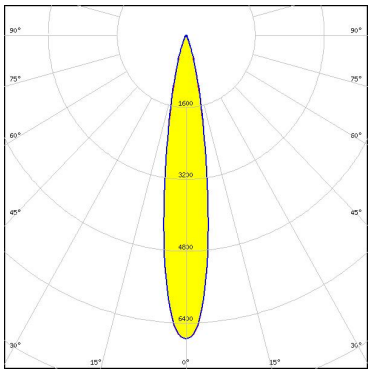
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON CoB 1204HD
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 35.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	

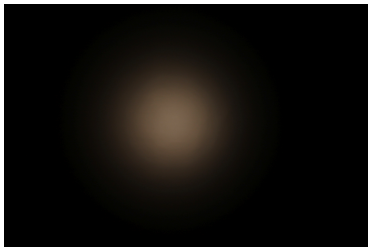


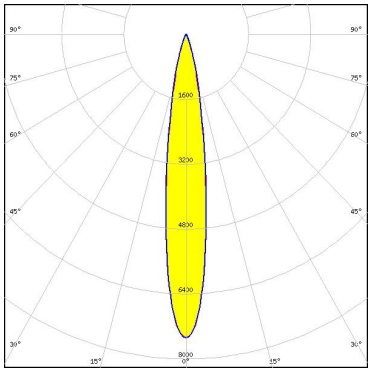


Light distribution files

LUMILEDS

LED	LUXEON CoB M02/M03
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17436_HEKLA-G2-D	

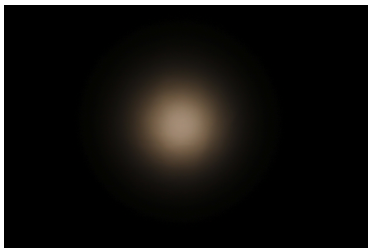


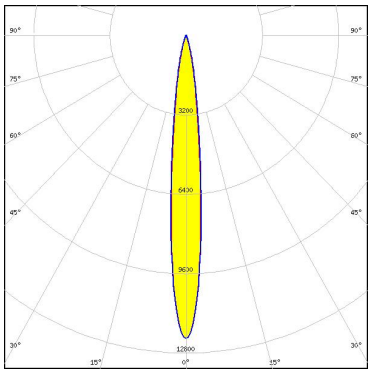


Light distribution files

LUMILEDS

LED	LUXEON CoB S01
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 27.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17439_HEKLA-G2-J	





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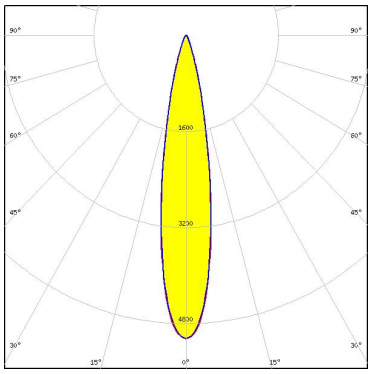
OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON Fusion 12-up (20x24)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	19.0° / 38.0°
Efficiency	83 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
F18158_HEKLA-RZ-LENS	
Bender Wirth: 442 Typ L8	



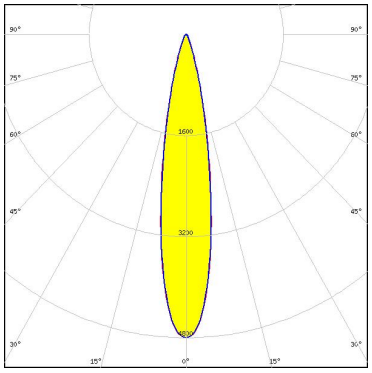


Light distribution files

LUMILEDS

LED	LUXEON Fusion 21-up (20x24)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	19.0° / 38.0°
Efficiency	81 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
F18158_HEKLA-RZ-LENS	
Bender Wirth: 442 Typ L8	



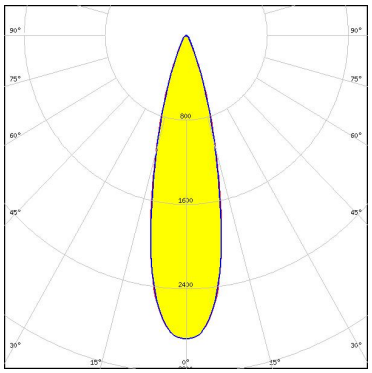


Light distribution files

LUMILEDS

LED	LUXEON Fusion 27-up (20x24)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	26.0° / 48.0°
Efficiency	80 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
F18158_HEKLA-RZ-LENS	
Bender Wirth: 442 Typ L8	





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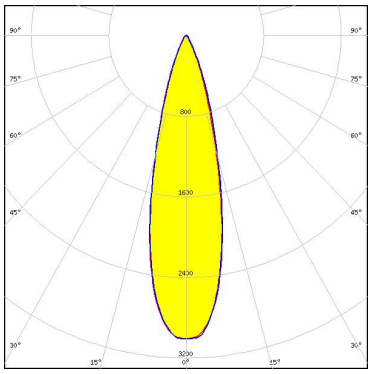
OPTICAL RESULTS (MEASURED):

LUMINUS

LED	CTM-14 (Tunable White) Gen2
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	27.0° / 50.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 442 Typ L8	



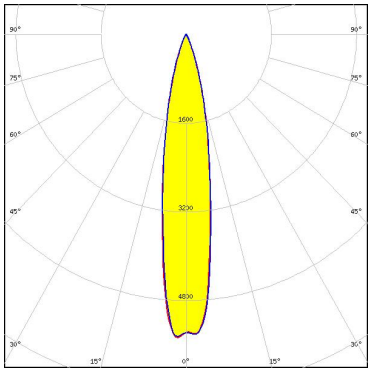


Light distribution files

LUMINUS

LED	CTM-9 (Tunable White)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	19.0° / 41.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 495 Typ B35L	

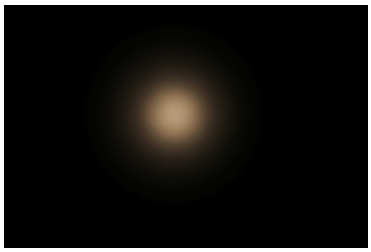


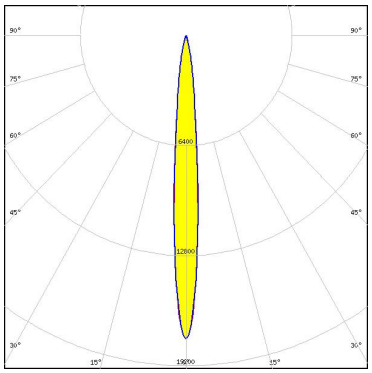


Light distribution files

LUMINUS

LED	CXM-3
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	10.0° / 22.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





Light distribution files

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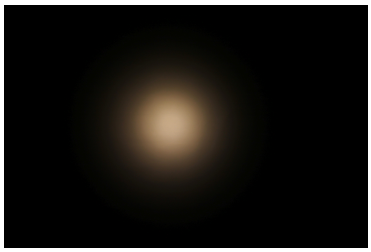
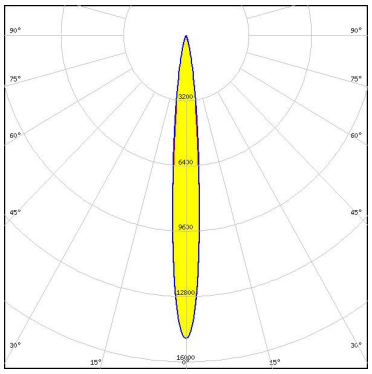
OPTICAL RESULTS (MEASURED):

LUMINUS

LED	CXM-4
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	10.0° / 24.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

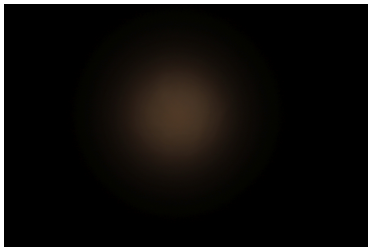


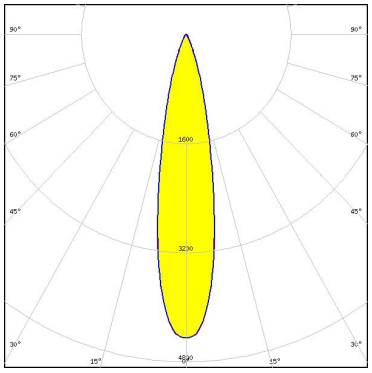


Light distribution files

NICHIA

LED	COB L-Type (LES 11)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	22.0° / 43.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	

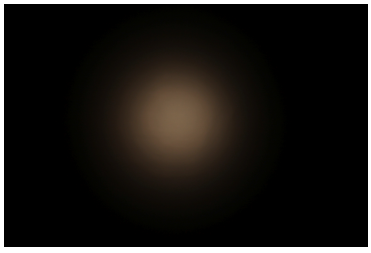


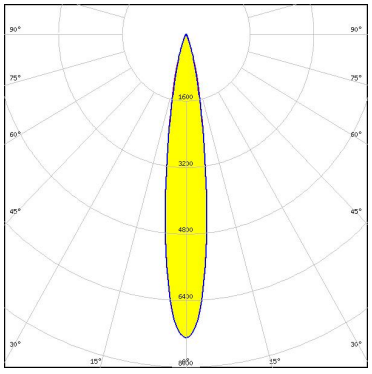


Light distribution files

NICHIA

LED	COB L-Type (LES 9)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	





Light distribution files

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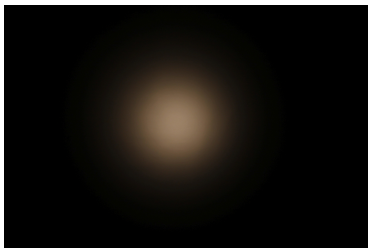
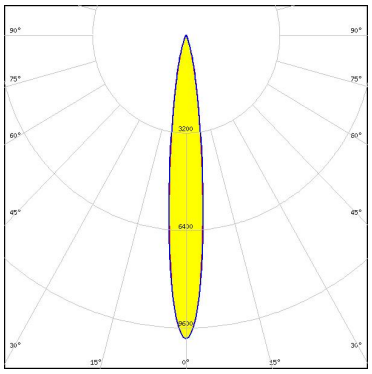
OPTICAL RESULTS (MEASURED):

NICHIA

LED	COB S-Type (LES 7)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	13.0° / 29.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	



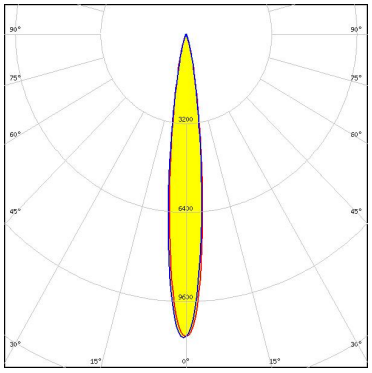


Light distribution files

PHILIPS

LED	Fortimo SLM C TW L06A 1313 G7N
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	13.0° / 27.0°
Efficiency	90 %
Peak intensity	10.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	
Bender Wirth: 508 Typ L8	



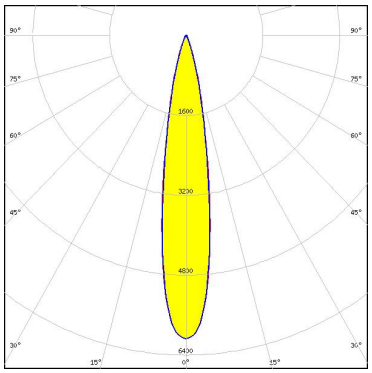


Light distribution files

PHILIPS

LED	Fortimo SLM C TW L09A 1919 G7N
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 36.0°
Efficiency	89 %
Peak intensity	6.1 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

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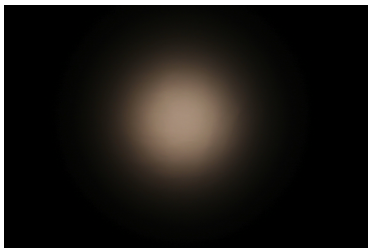
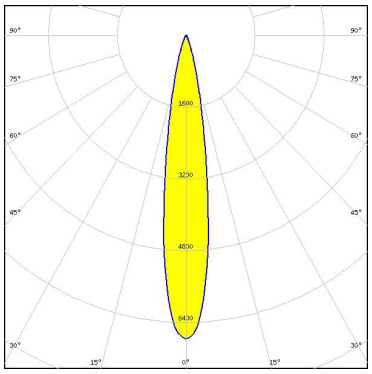
OPTICAL RESULTS (MEASURED):

PHILIPS

LED	Fortimo SLM L09 CoB
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 35.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	

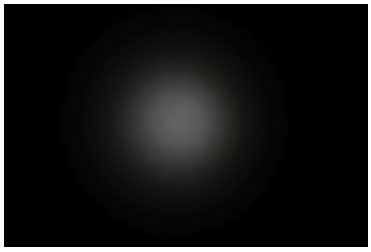


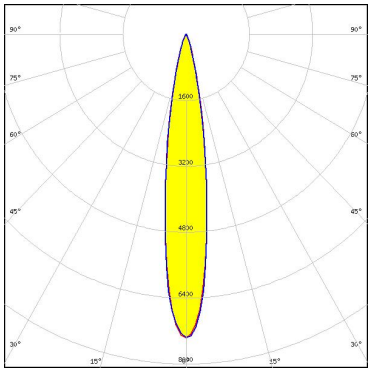


Light distribution files

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	17.0° / 36.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



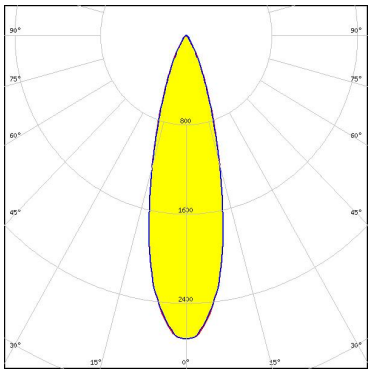


Light distribution files

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	28.0° / 55.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	





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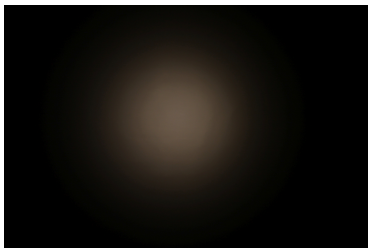
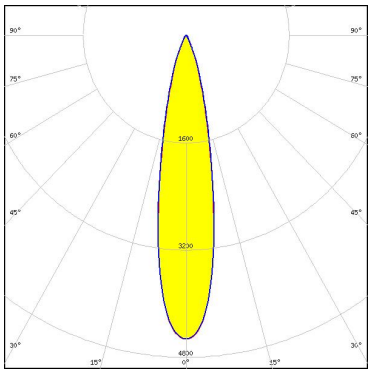
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LC030C/040C G2
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	21.0° / 42.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



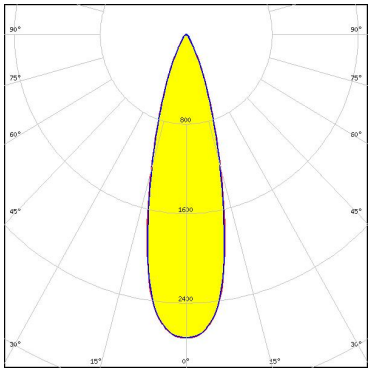


Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	28.0° / 53.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	

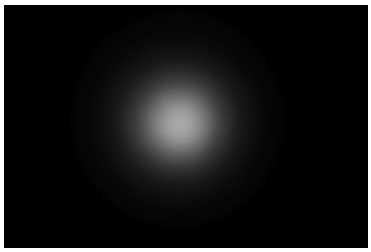


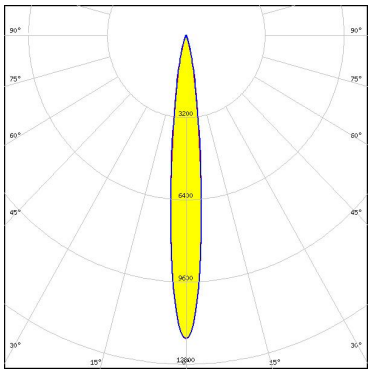


Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 6
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 27.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	





Light distribution files

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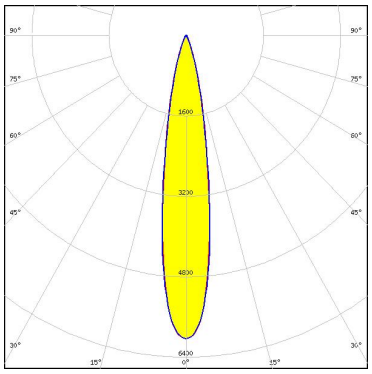
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 37.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

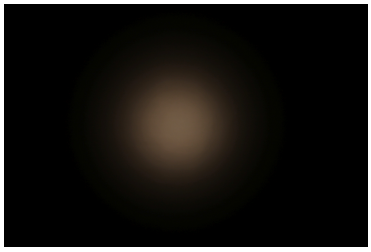


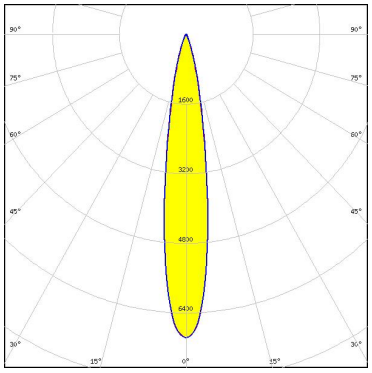


Light distribution files

TRIDONIC

LED	SLE G7 LES09
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15848_HEKLA-SOCKET-G	



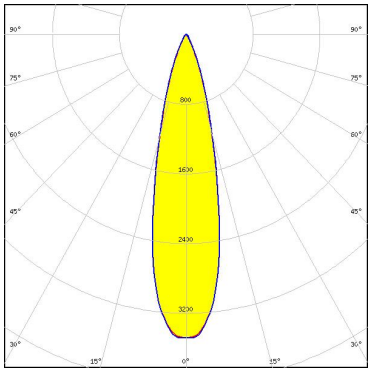


Light distribution files

TRIDONIC

LED	SLE G7 LES13
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	25.0° / 48.0°
Efficiency	87 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	





Light distribution files

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OPTICAL RESULTS (MEASURED):

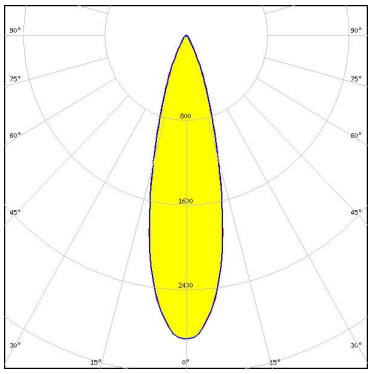
TRIDONIC

LED	SLE G7 LES15
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	27.0° / 53.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	White

Required components:

F17438_HEKLA-G2-I





Light distribution files

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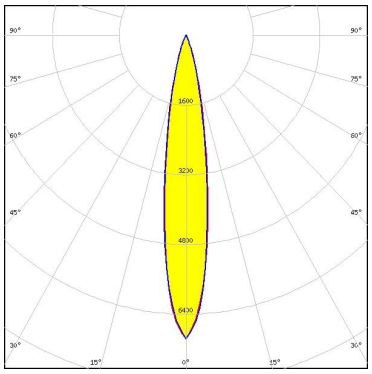
OPTICAL RESULTS (SIMULATED):

bridgelux

LED	V10 Gen 8-9
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	17.0° / 36.0°
Efficiency	89 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

BJB: 47.360.1020

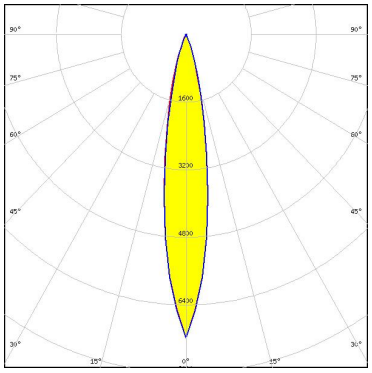


Light distribution files

bridgelux

LED	V10 Gen 8-9
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 36.0°
Efficiency	92 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

L20758_HEKLA-KONNTAKT-C2

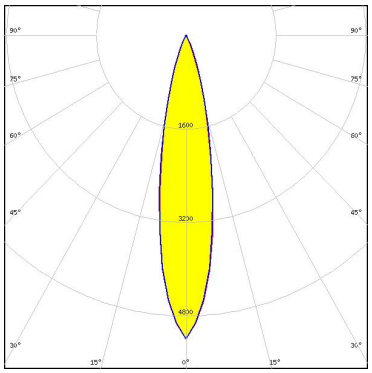


Light distribution files

bridgelux

LED	V11 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	20.0° / 41.0°
Efficiency	92 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

L20761_HEKLA-KONNTAKT-I3



Light distribution files

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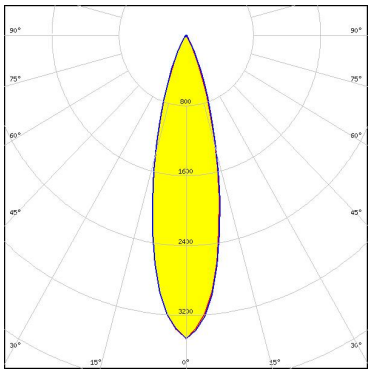
OPTICAL RESULTS (SIMULATED):

bridgelux

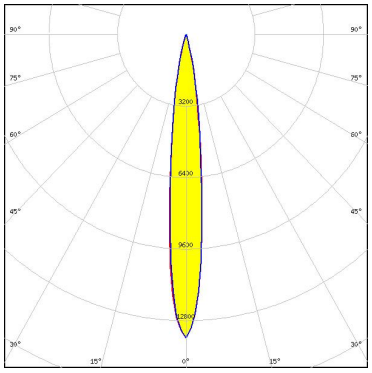
LED	V13 Gen 8-9
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	27.0° / 51.0°
Efficiency	91 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20760_HEKLA-KONNTAKT-I2	



Light distribution files

bridgelux

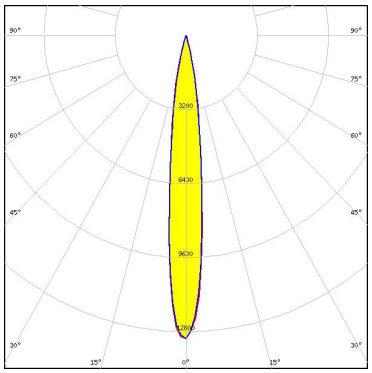
LED	V3 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 26.0°
Efficiency	94 %
Peak intensity	13.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V3 HD Gen 8 FC
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 27.0°
Efficiency	94 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

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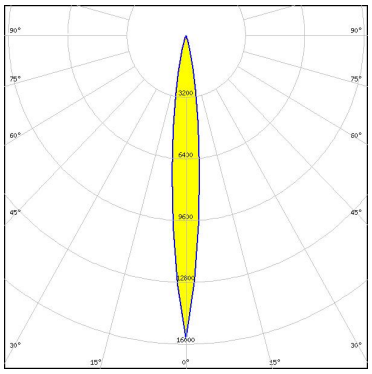
OPTICAL RESULTS (SIMULATED):

bridgelux

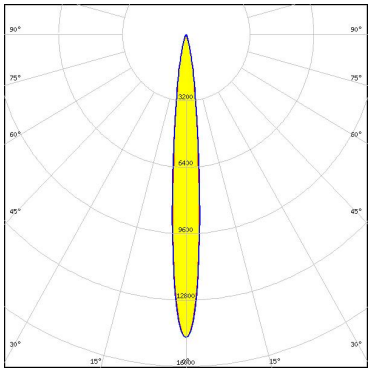
LED	V3 HD Gen 8 FC
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 26.0°
Efficiency	93 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20759_HEKLA-KONNTAKT-C3	



Light distribution files

bridgelux

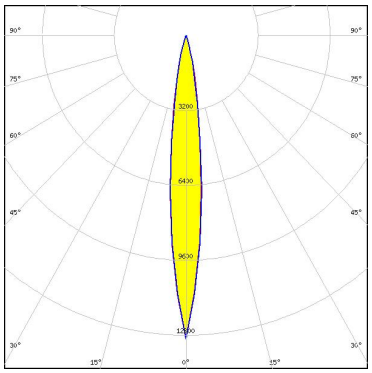
LED	V4 HD Gen 7
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	10.0° / 22.0°
Efficiency	93 %
Peak intensity	17.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V4 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 28.0°
Efficiency	93 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20762_HEKLA-KONNTAKT-A	



Light distribution files

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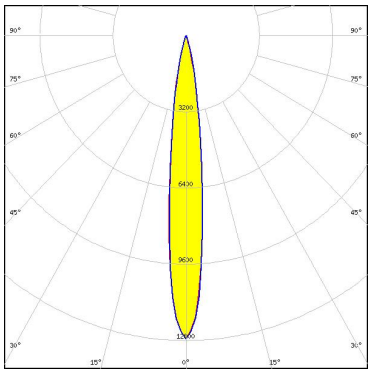
OPTICAL RESULTS (SIMULATED):

bridgelux

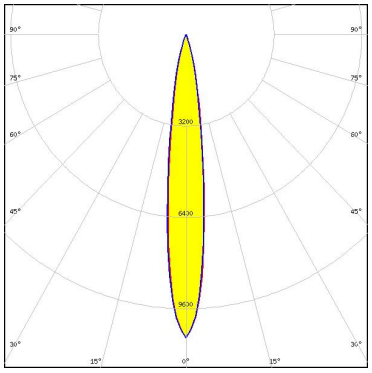
LED	V4 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	13.0° / 28.0°
Efficiency	94 %
Peak intensity	12.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

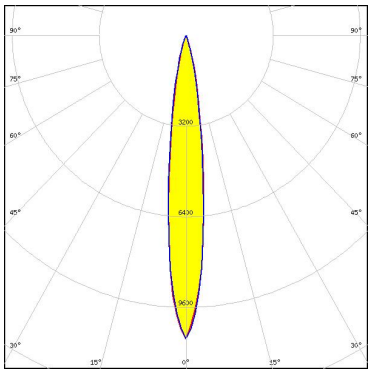
LED	V6 Gen 8-9
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V6 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	10.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

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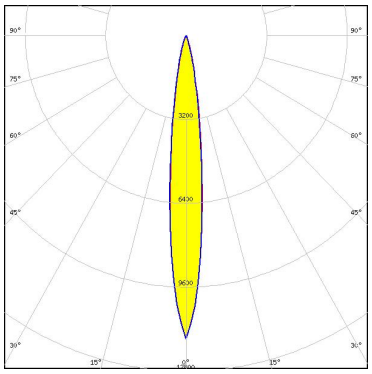
OPTICAL RESULTS (SIMULATED):

bridgelux

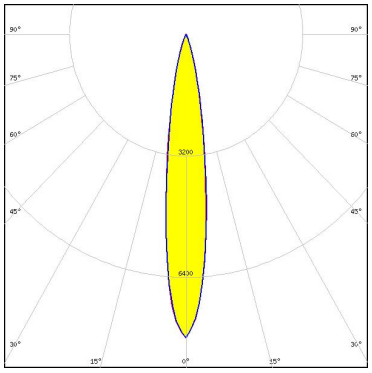
LED	V6 HD Gen 8
Ordering code	CP19141_AMY-50-S-C2-WHT
FWHM / FWTM	12.0° / 28.0°
Efficiency	93 %
Peak intensity	11.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F19858_HEKLA-G2B-C3	



Light distribution files

bridgelux

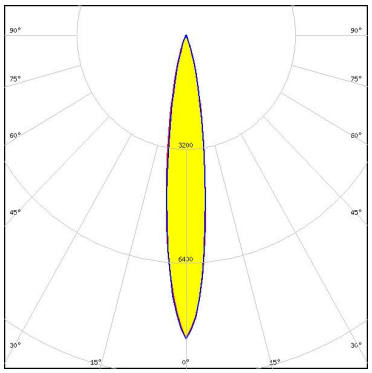
LED	V8 Gen7
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V9 HD Gen 8
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	92 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

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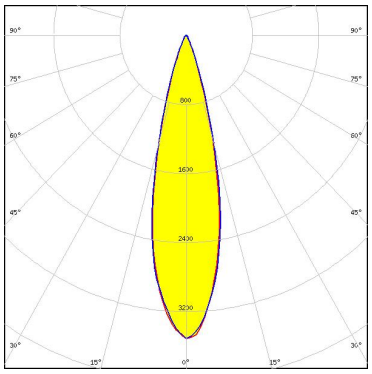
OPTICAL RESULTS (SIMULATED):

bridgelux

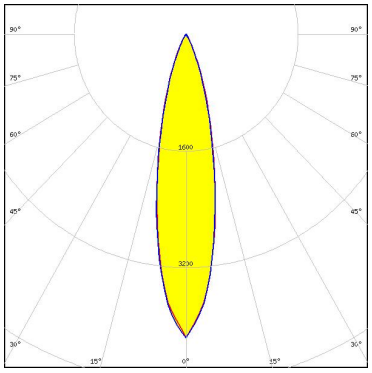
LED	Vero SE 13
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	26.0° / 44.0°
Efficiency	81 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

bridgelux

LED	VERO13
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	23.0° / 47.0°
Efficiency	91 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	

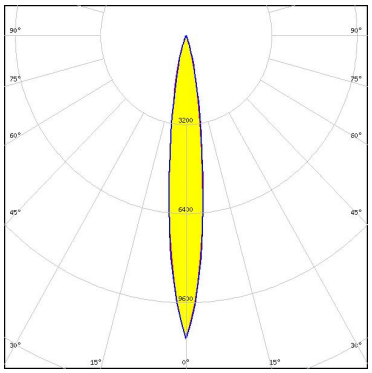


Light distribution files

bridgelux

LED	Vesta DTW 6mm
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	10.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 652b Hekla



Light distribution files

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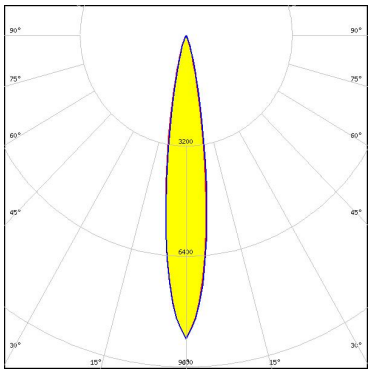
OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 31.0°
Efficiency	90 %
Peak intensity	8.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

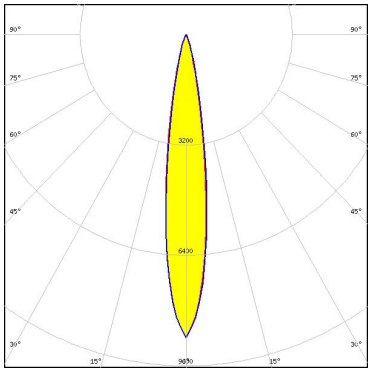


Bender Wirth: 652b Hekla

Light distribution files

bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 35.0°
Efficiency	85 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F18158_HEKLA-RZ-LENS	

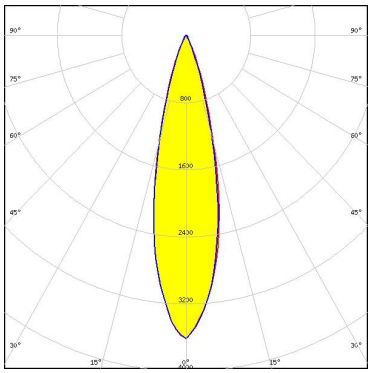


Light distribution files

Bender Wirth: 652b Hekla

bridgelux

LED	Vesta SE 13mm TW
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	25.0° / 45.0°
Efficiency	82 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

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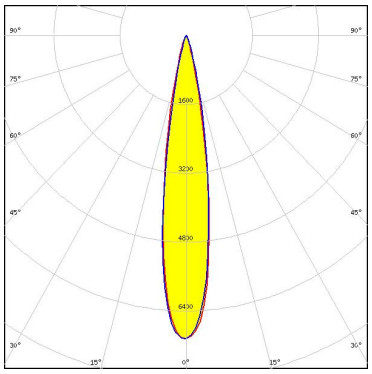
OPTICAL RESULTS (SIMULATED):

bridgelux

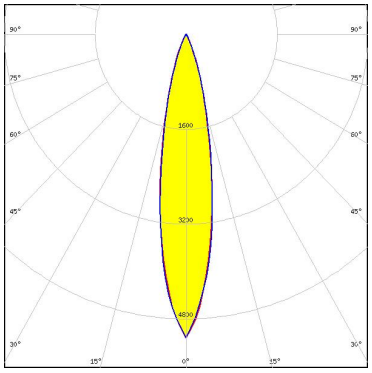
LED	Vesta TW 9mm (12W) CSP
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 32.0°
Efficiency	81 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

CITIZEN

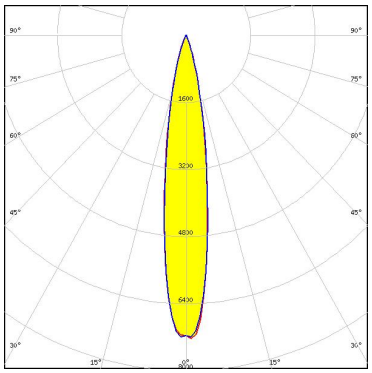
LED	CLU02Q Type-F
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	20.0° / 43.0°
Efficiency	91 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

CITIZEN

LED	CLU02Q-1203E1 Type-M
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 36.0°
Efficiency	90 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

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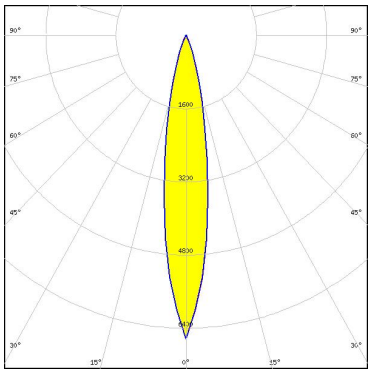
OPTICAL RESULTS (SIMULATED):

CITIZEN

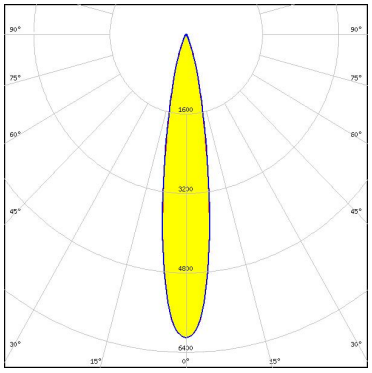
LED	CLU02Q-1204E1 Type-M
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 36.0°
Efficiency	92 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20675_HEKLA-KONNTAKT-C	



Light distribution files

CITIZEN

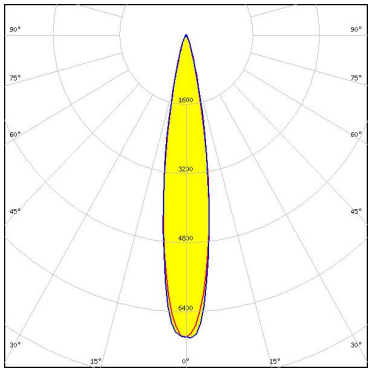
LED	CLU02x (LES10)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 34.0°
Efficiency	87 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	18.0° / 33.0°
Efficiency	90 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1020

Light distribution files

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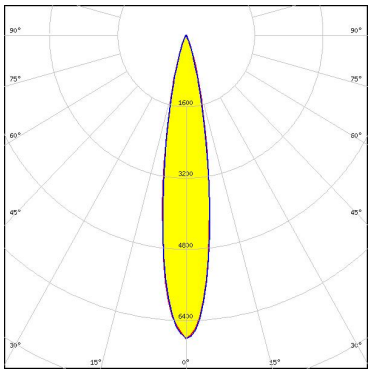
OPTICAL RESULTS (SIMULATED):

CITIZEN

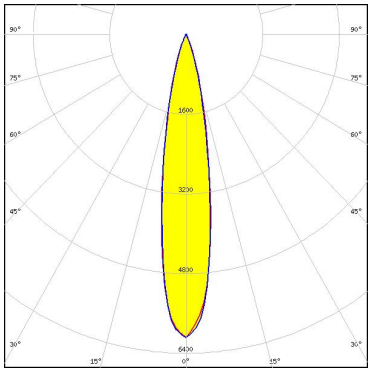
LED	CLU02x (LES10)
Ordering code	CP19141_AMY-50-S-C2-WHT
FWHM / FWTM	18.0° / 36.0°
Efficiency	96 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

CITIZEN

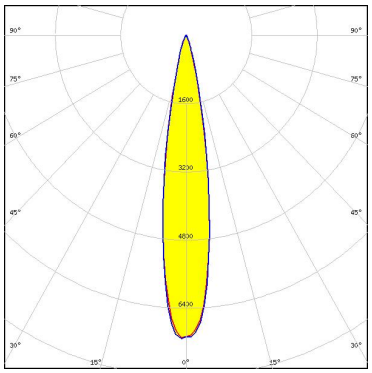
LED	CLU02x (LES10)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 38.0°
Efficiency	89 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	C17686_AMY-50-S
FWHM / FWTM	18.1° / 32.2°
Efficiency	90 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

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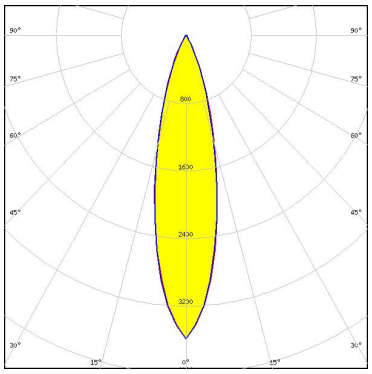
OPTICAL RESULTS (SIMULATED):

CITIZEN

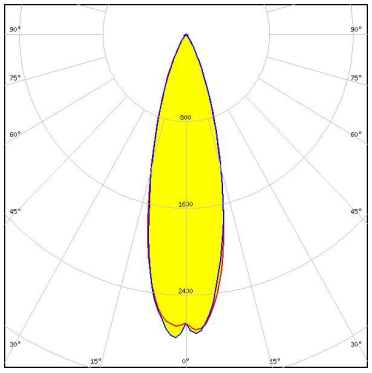
LED	CLU03Q-1210E1 Type-M
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	24.0° / 50.0°
Efficiency	90 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20752_HEKLA-KONNTAKT-I	



Light distribution files

CITIZEN

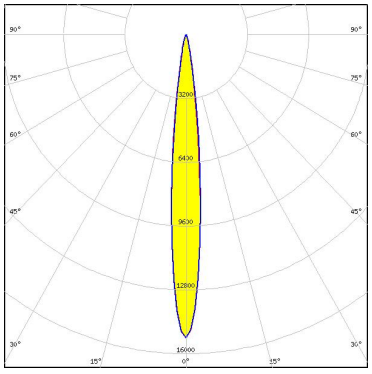
LED	CLU03x
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	29.0° / 54.0°
Efficiency	86 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

CITIZEN

LED	CLU700/701/702/703
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	12.1° / 22.1°
Efficiency	92 %
Peak intensity	15.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1020

Light distribution files

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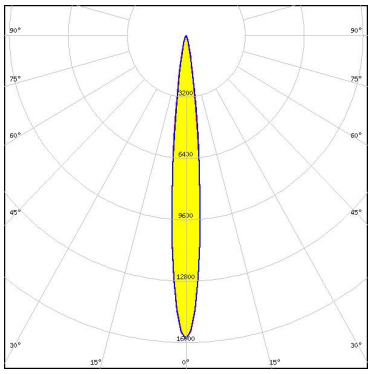
OPTICAL RESULTS (SIMULATED):

CITIZEN

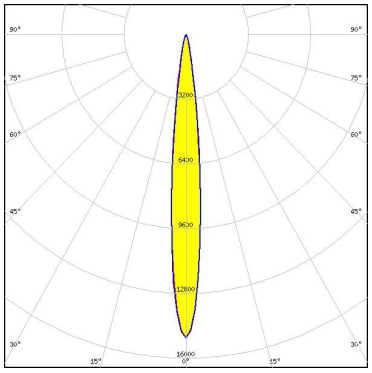
LED	CLU700/701/702/703
Ordering code	C17686_AMY-50-S
FWHM / FWTM	11.1° / 22.1°
Efficiency	92 %
Peak intensity	15.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

CITIZEN

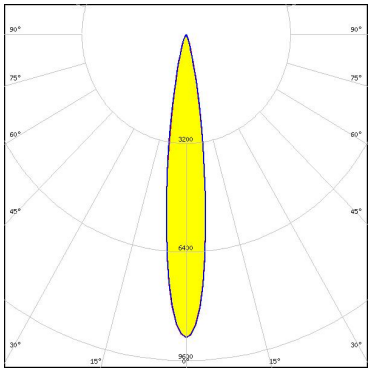
LED	CLU700/701/702/703
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	11.0° / 22.0°
Efficiency	91 %
Peak intensity	15 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

CITIZEN

LED	CLU710/711
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	15.1° / 30.2°
Efficiency	91 %
Peak intensity	8.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1010

Light distribution files

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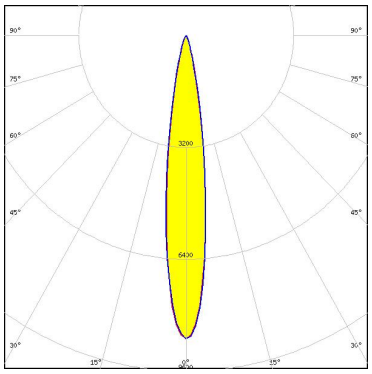
OPTICAL RESULTS (SIMULATED):

CITIZEN

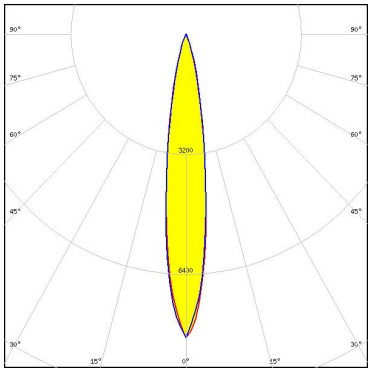
LED	CLU710/711
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 30.0°
Efficiency	89 %
Peak intensity	8.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

CITIZEN

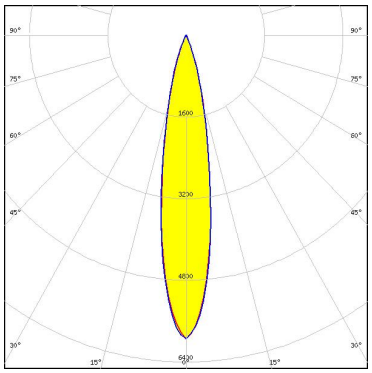
LED	CLU712/713
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

CITIZEN

LED	CLU713 Type-F
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	20.0° / 40.0°
Efficiency	92 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

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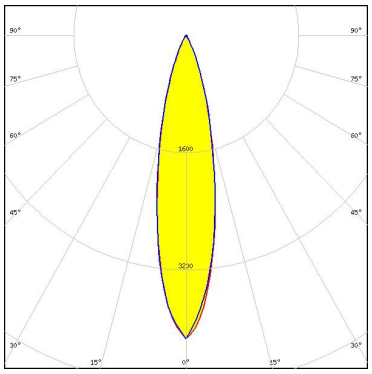
OPTICAL RESULTS (SIMULATED):

CITIZEN

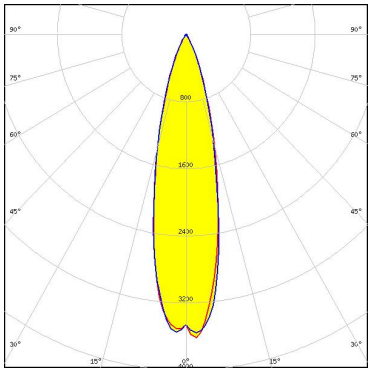
LED	CLU723 Type-F
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	22.0° / 46.0 + 47.0°
Efficiency	90 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

CITIZEN

LED	CLU730/731/733
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	24.0° / 48.0°
Efficiency	88 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

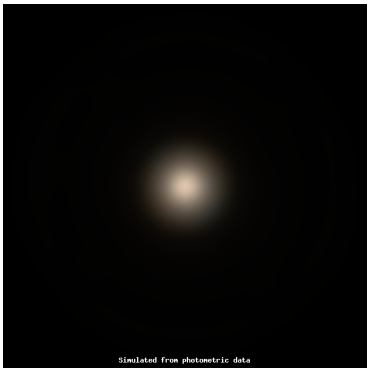


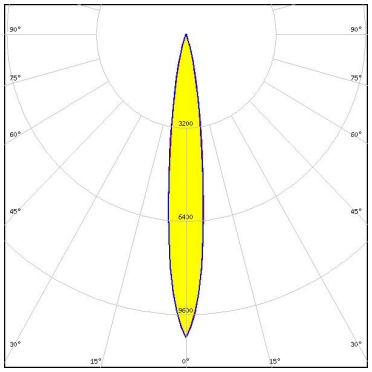
Bender Wirth: 631b Hekla XL

Light distribution files

CITIZEN

LED	CLUD22
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	90 %
Peak intensity	10.4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	





Light distribution files

Bender Wirth: 444 Typ L8

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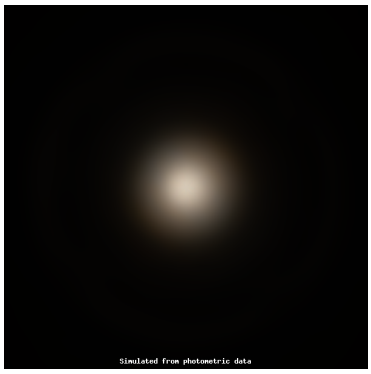
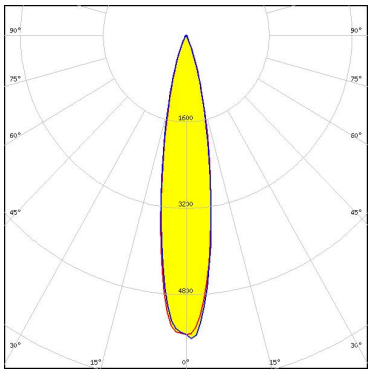
OPTICAL RESULTS (SIMULATED):

CITIZEN

LED	CLUD32
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	20.0° / 40.0°
Efficiency	90 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
F15859_HEKLA-SOCKET-I	

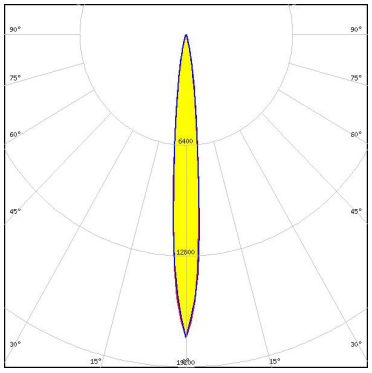




Light distribution files

CREE LEDs

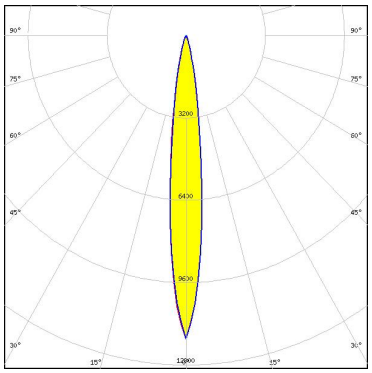
LED	CHA0304
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	10.0° / 22.0°
Efficiency	91 %
Peak intensity	17.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

CREE LEDs

LED	CHA0612
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 28.0°
Efficiency	91 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

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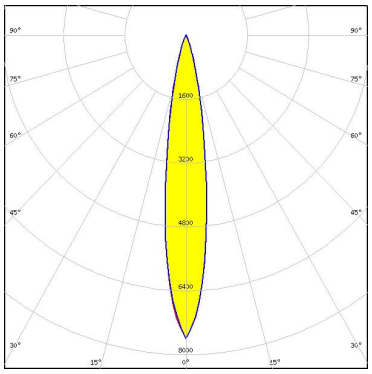
OPTICAL RESULTS (SIMULATED):

CREE LEDs

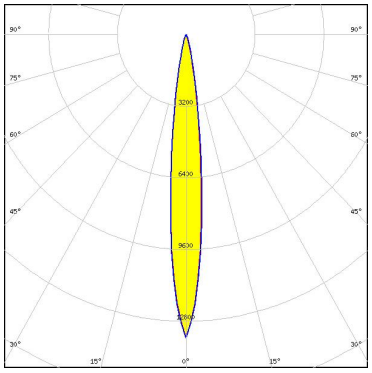
LED	CHA0825
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

CREE LEDs

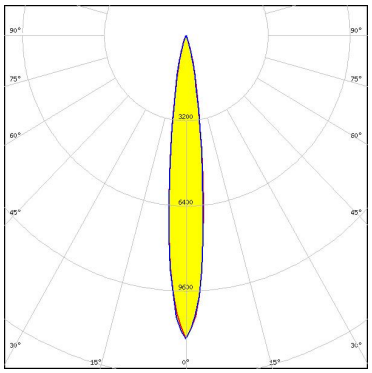
LED	CMA1306
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 26.0°
Efficiency	94 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15956_HEKLA-SOCKET-J	



Light distribution files

CREE LEDs

LED	CMB13xx
FWHM / FWTM	14.0° / 28.0°
Efficiency	91 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17439_HEKLA-G2-J	



Light distribution files

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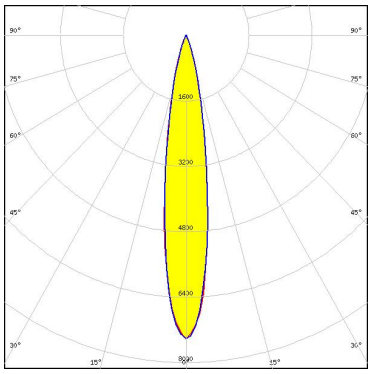
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	CMB15xx
FWHM / FWTM	16.0° / 35.0°
Efficiency	90 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17436_HEKLA-G2-D	

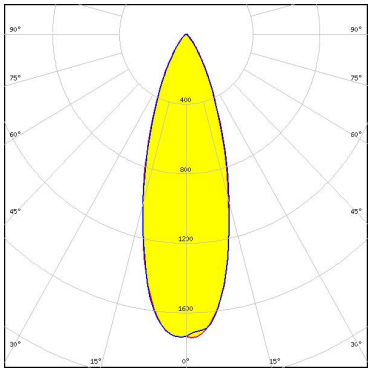


Light distribution files

CREE LEDs

LED	CMB2550
FWHM / FWTM	34.0° / 66.0°
Efficiency	77 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 639a Hekla XL

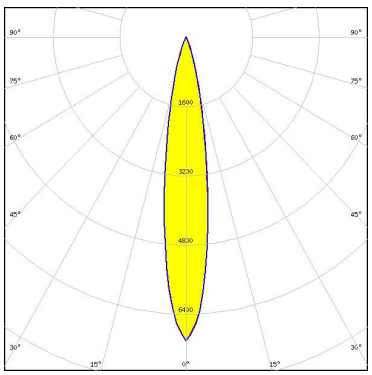


Light distribution files

CREE LEDs

LED	CMU10xx
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	16.0° / 36.0°
Efficiency	89 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

BJB: 47.360.1020



Light distribution files

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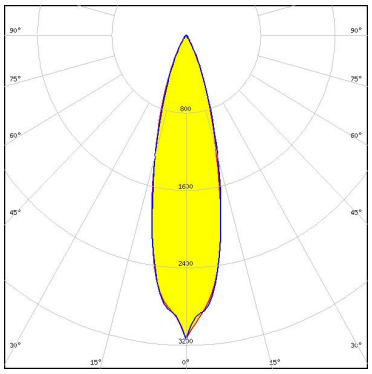
OPTICAL RESULTS (SIMULATED):

CREE LEDs

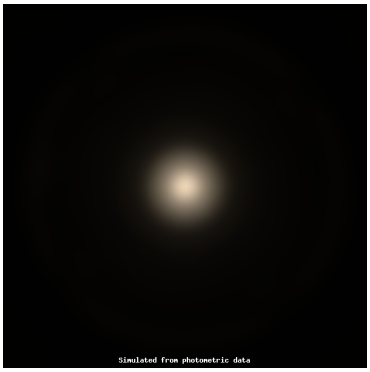
LED	CMU15xx
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	26.0° / 52.0°
Efficiency	86 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	

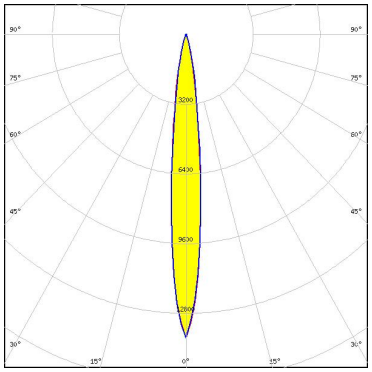


Light distribution files

CREE LEDs

LED	CTW0607
FWHM / FWTM	12.0° / 26.0°
Efficiency	92 %
Peak intensity	13.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



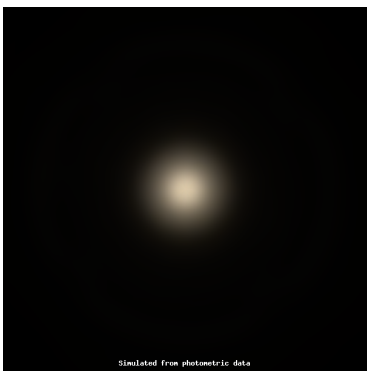


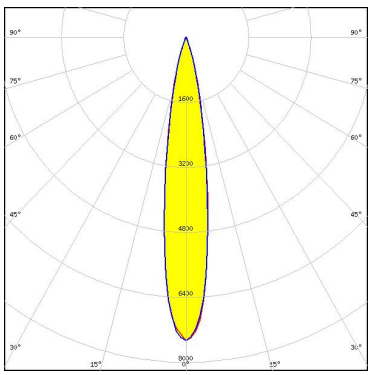
Bender Wirth: 511 Typ L8

Light distribution files

CREE LEDs

LED	CTW0910
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	





Bender Wirth: 512 Typ L8

Light distribution files

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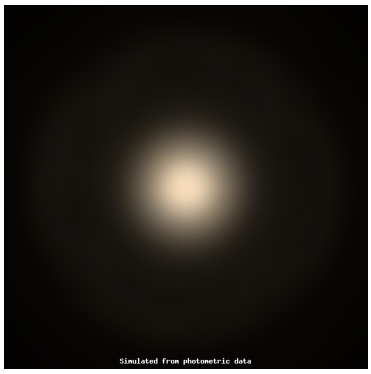
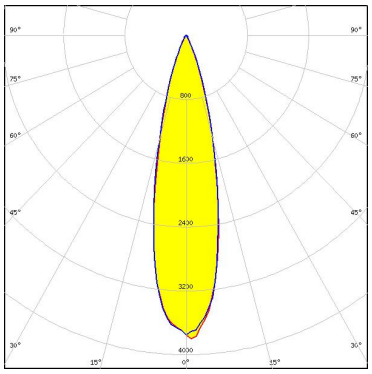
OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	CTW1325
FWHM / FWTM	24.0° / 46.0°
Efficiency	88 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



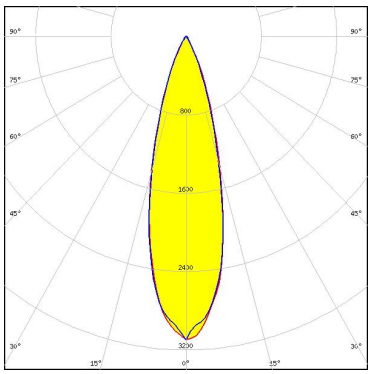


Light distribution files

Bender Wirth: 513 Typ L8

LUMILEDS

LED	LUXEON CX Plus CoB L08 (Gen2)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	28.0° / 52.0°
Efficiency	89 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

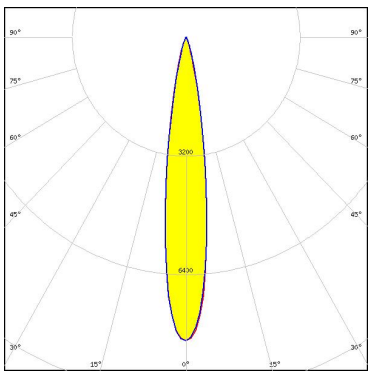


Light distribution files

Bender Wirth: 637a Hekla

LUMILEDS

LED	LUXEON CoB 1202/1203
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 30.0°
Efficiency	88 %
Peak intensity	8.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15858_HEKLA-SOCKET-H	



Light distribution files

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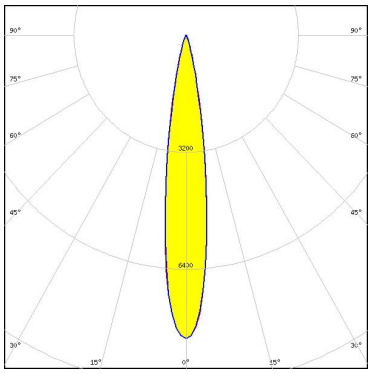
OPTICAL RESULTS (SIMULATED):

LUMILEDS

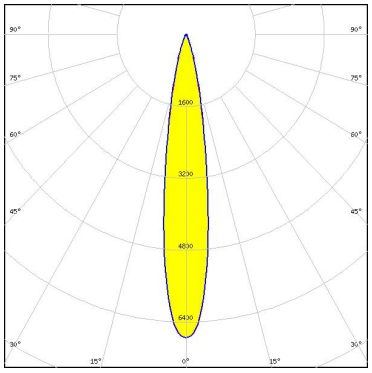
LED	LUXEON CoB 1202/1203
Ordering code	C17686_AMY-50-S
FWHM / FWTM	16.1° / 30.2°
Efficiency	90 %
Peak intensity	8.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	



Light distribution files

LUMILEDS

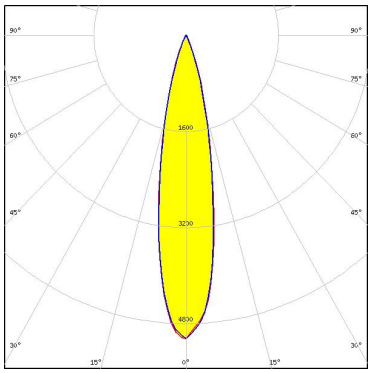
LED	LUXEON CoB 1204HD
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 36.0°
Efficiency	92 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15858_HEKLA-SOCKET-H	



Light distribution files

LUMILEDS

LED	LUXEON CoB 1205HD
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	22.0° / 42.0°
Efficiency	91 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15858_HEKLA-SOCKET-H	



Light distribution files

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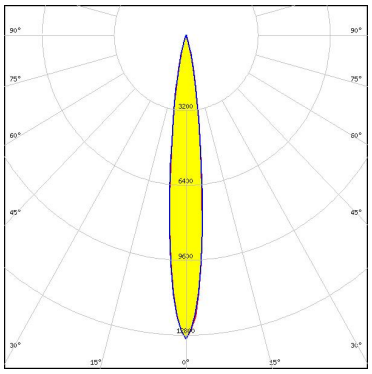
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CX Plus CoB - HD S01H4
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	12.0° / 27.0°
Efficiency	93 %
Peak intensity	13 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

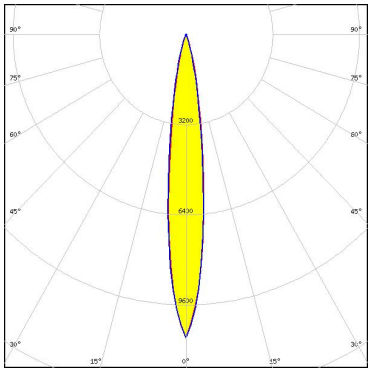


Bender Wirth: 634c Bayonet35L

Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S02H6
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

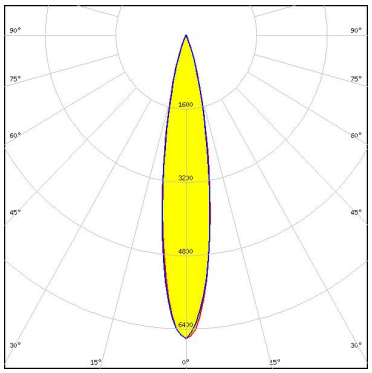


Bender Wirth: 634c Bayonet35L

Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	18.0° / 37.0°
Efficiency	92 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 634a Bayonet35L

Light distribution files

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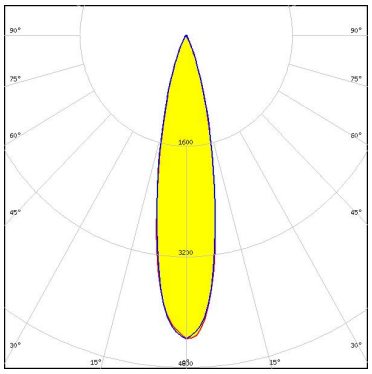
OPTICAL RESULTS (SIMULATED):

LUMILEDS

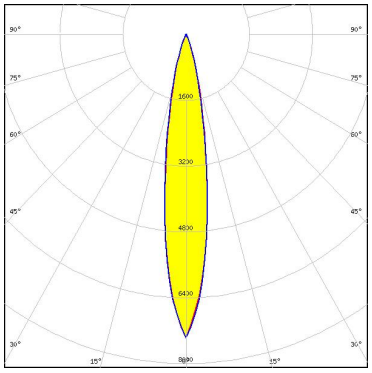
LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	22.0° / 44.0°
Efficiency	89 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15254_HEKLA-SOCKET-B	



Light distribution files

LUMILEDS

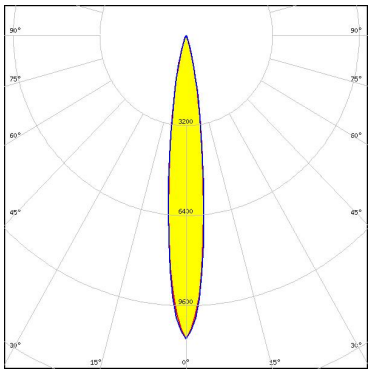
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 36.0°
Efficiency	91 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15256_HEKLA-SOCKET-D	



Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB S01 (Gen2)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	92 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15956_HEKLA-SOCKET-J	



Light distribution files

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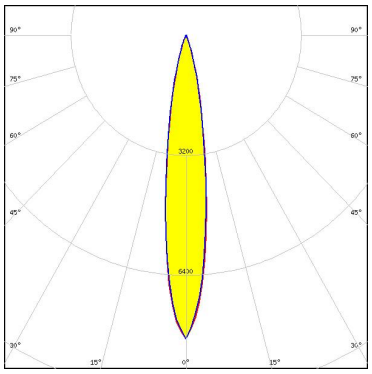
OPTICAL RESULTS (SIMULATED):

LUMINUS

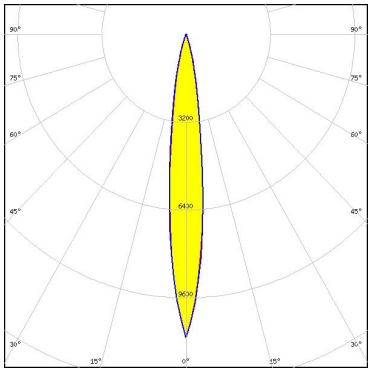
LED	CHM-9 XH (19x19)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	91 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

LUMINUS

LED	CTM-6 (Tunable White) Gen2
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	92 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

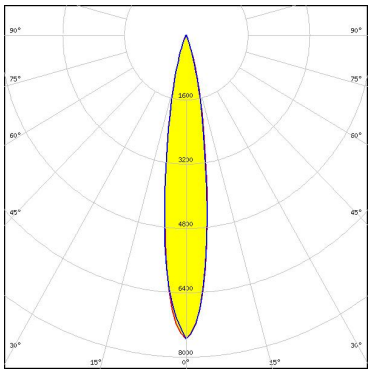


Light distribution files

Bender Wirth: 495 Typ L8

LUMINUS

LED	CTM-9 (Tunable White) Gen2
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

Bender Wirth: 495 Typ L8

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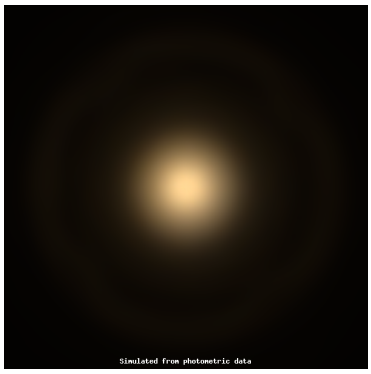
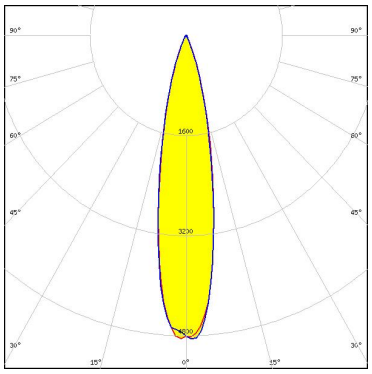
OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	CxM-11 (19x19)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	22.0° / 42.0°
Efficiency	89 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	

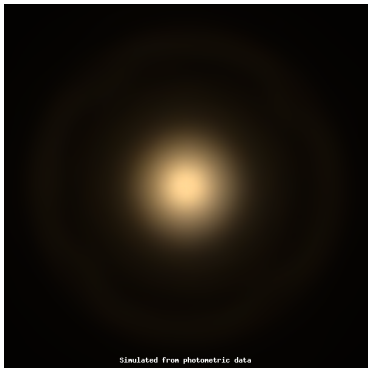


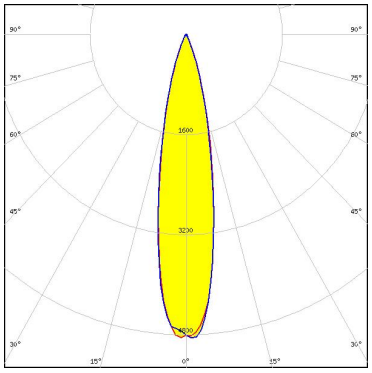


Light distribution files

LUMINUS

LED	CxM-11 (19x19)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	22.0° / 42.0°
Efficiency	89 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	

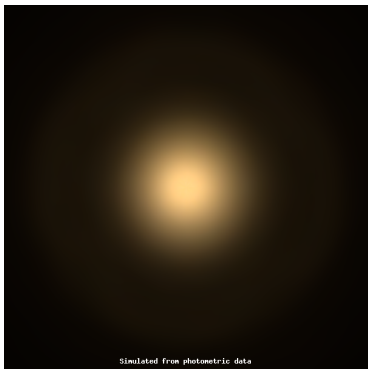


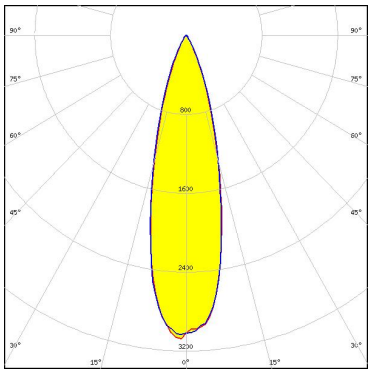


Light distribution files

LUMINUS

LED	CxM-14 (19x19)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	27.0 + 28.0° / 51.0 + 52.0°
Efficiency	87 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	





Light distribution files

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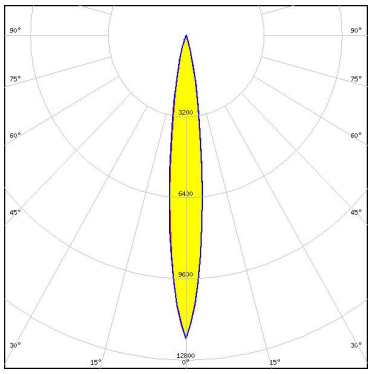
OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	CxM-6 (13.5x13.5)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	13.0° / 28.0°
Efficiency	92 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

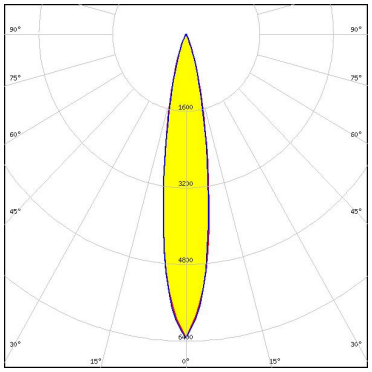
BJB: 47.360.1020



Light distribution files

LUMINUS

LED	CxM-9 (13.5x13.5)
Ordering code	CP19150_AMY-50-S-B2-WHT
FWHM / FWTM	18.0° / 38.0°
Efficiency	90 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C18968_SOCKET-B-35-C	

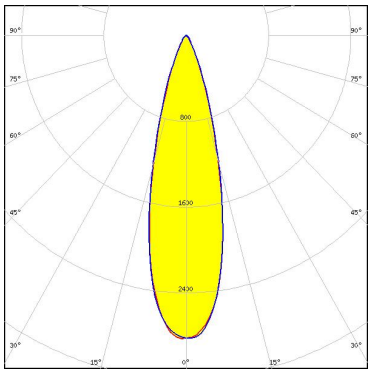


Light distribution files

NICHIA

LED	COB J-Type
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	28.0° / 50.0°
Efficiency	82 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 663a Hekla XL



Light distribution files

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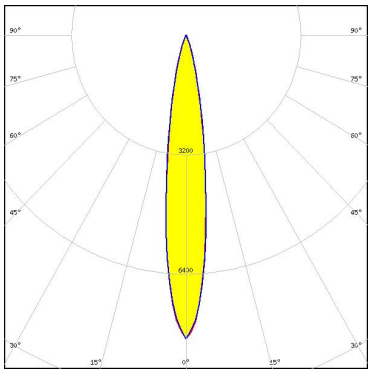
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	COB L-Type (LES 9)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	16.0° / 34.0°
Efficiency	89 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

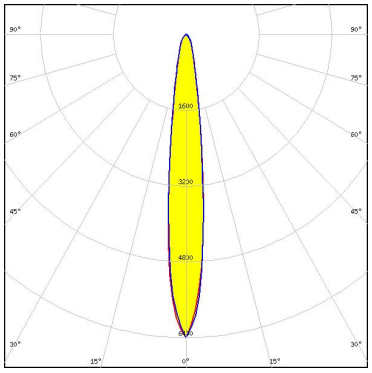


BJB: 47.360.1110

Light distribution files

NICHIA

LED	COB L-Type (LES 9)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 34.0°
Efficiency	91 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

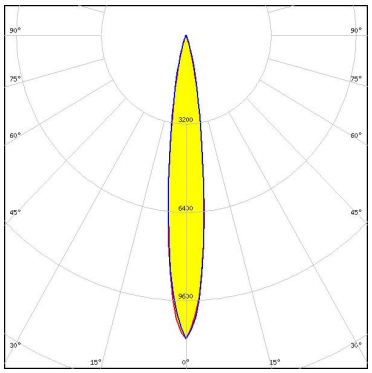


Bender Wirth: 638a Hekla

Light distribution files

NICHIA

LED	COB S-Type (LES 6)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 652a Bayonet35L

Light distribution files

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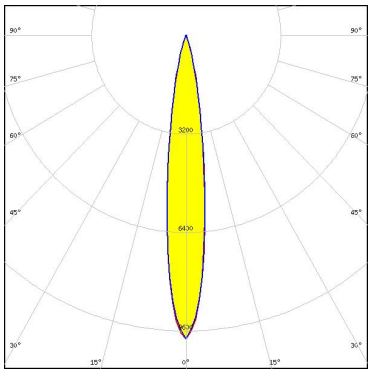
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	COB S-Type (LES 7)
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	9.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

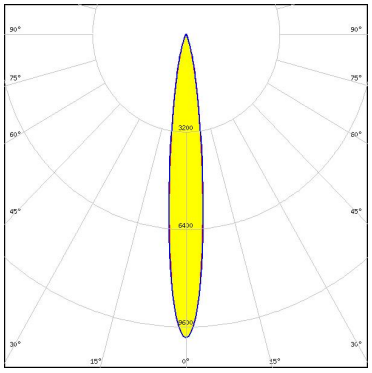


Bender Wirth: 652a Bayonet35L

Light distribution files

NICHIA

LED	COB S-Type (LES 7)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	89 %
Peak intensity	10.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

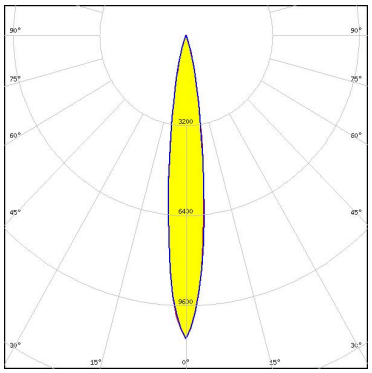


Bender Wirth: 652a Hekla

Light distribution files

NICHIA

LED	COB T-Type
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	14.0° / 30.0°
Efficiency	93 %
Peak intensity	10.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 652a Bayonet35L

Light distribution files

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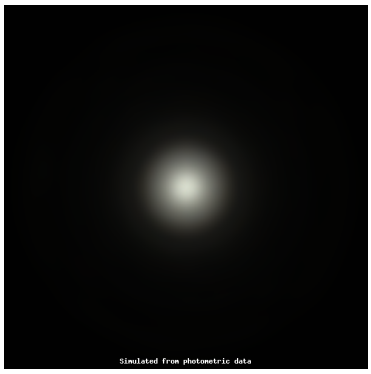
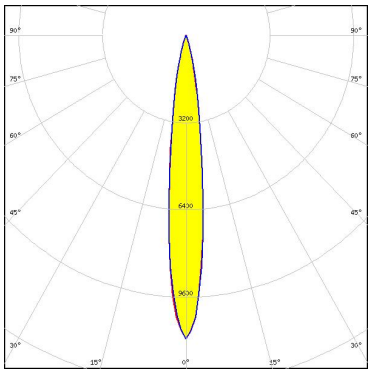
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NF1202EFC-V5
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 28.0 + 29.0°
Efficiency	91 %
Peak intensity	11.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

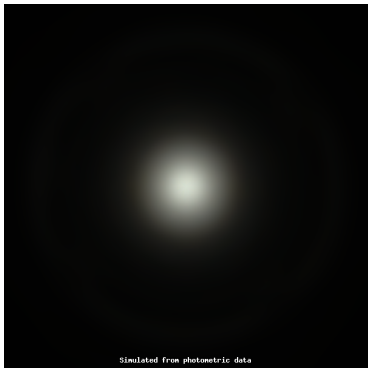


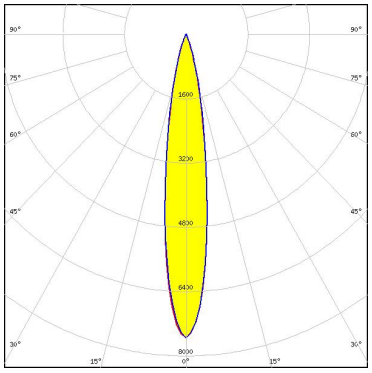


Light distribution files

NICHIA

LED	NF1203EJC-V5
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 34.0°
Efficiency	90 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	

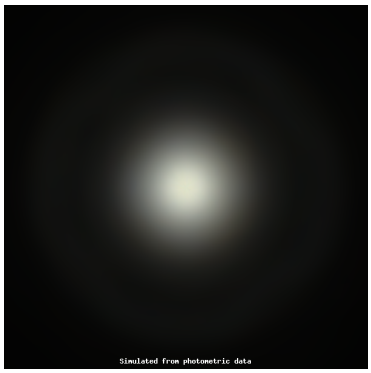


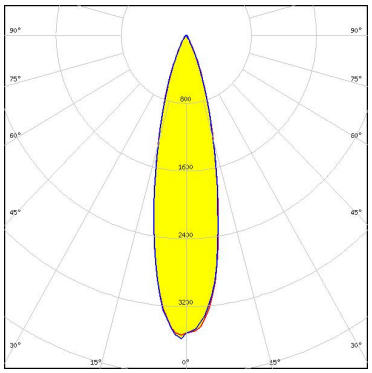


Light distribution files

NICHIA

LED	NF1206JLC-V5
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	24.0° / 49.0 + 48.0°
Efficiency	88 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	





Light distribution files

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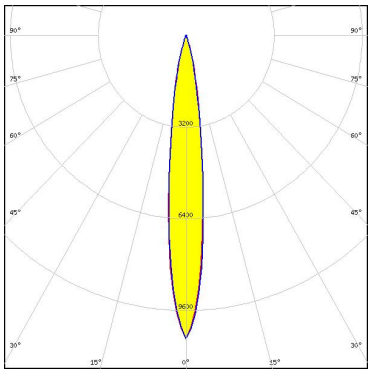
OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NJCWL024Z-V1MT: COB L-Type Tunable White
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	14.0° / 30.0°
Efficiency	91 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

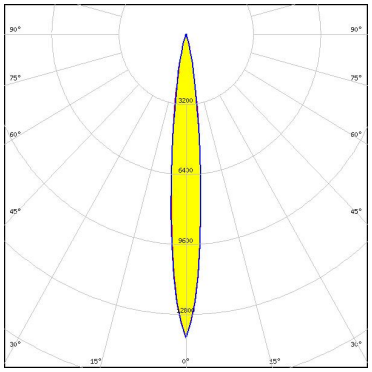


Light distribution files

Bender Wirth: 497 Typ L8 HV

NICHIA

LED	NJNWS012Z-V1MT: COB S-Type Tunable White
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 26.0°
Efficiency	92 %
Peak intensity	13.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

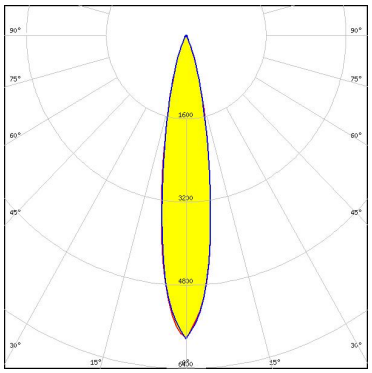


Light distribution files

Bender Wirth: 495 Typ L8 HV

NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	18.0° / 38.0°
Efficiency	90 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

Bender Wirth: 498 Typ L8 HV

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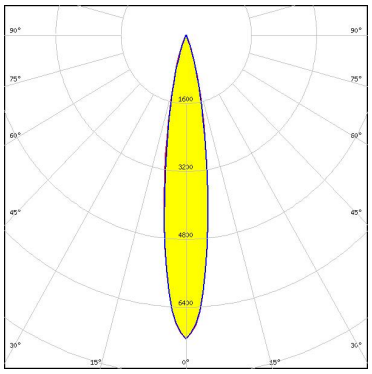
OPTICAL RESULTS (SIMULATED):

PHILIPS

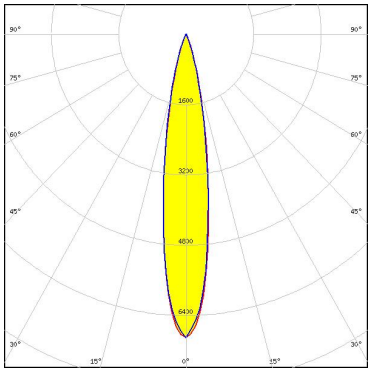
LED	Fortimo SLM L09 1313 CoB
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 36.0°
Efficiency	89 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20675_HEKLA-KONNTAKT-C	



Light distribution files

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	18.0° / 36.0°
Efficiency	91 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

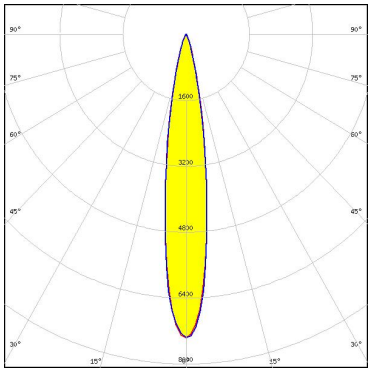


BJB: 47.360.1020

Light distribution files

SAMSUNG

LED	LC003D / LC006D / LC009D / LC013D
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	16.0° / 32.0°
Efficiency	87 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

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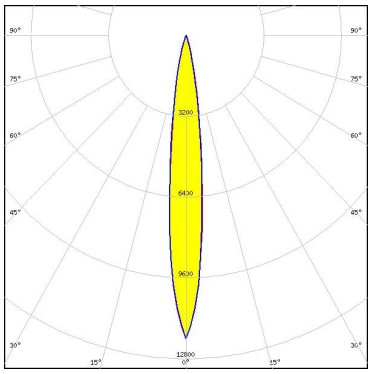
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC010C G2
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	12.0° / 28.0°
Efficiency	92 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1020

Light distribution files

SAMSUNG

LED	LC010T (Tunable White)
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	15.0° / 32.0°
Efficiency	91 %
Peak intensity	8.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	

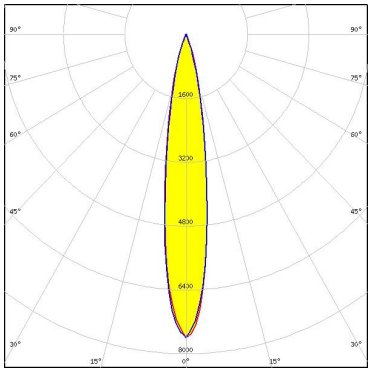
C16142_HEKLA-SOCKET-K

Light distribution files

Bender Wirth: 501 Typ L8

SAMSUNG

LED	LC020C G2
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	16.0° / 35.0°
Efficiency	90 %
Peak intensity	7.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1010

Light distribution files

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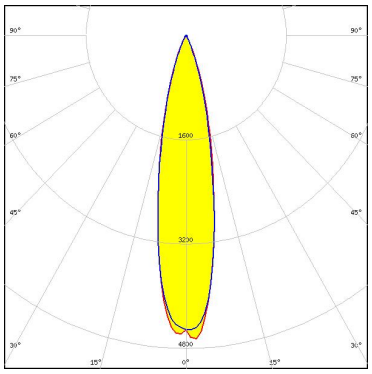
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LC030C/040C G2
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	22.0° / 44.0°
Efficiency	88 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

BJB: 47.360.1010

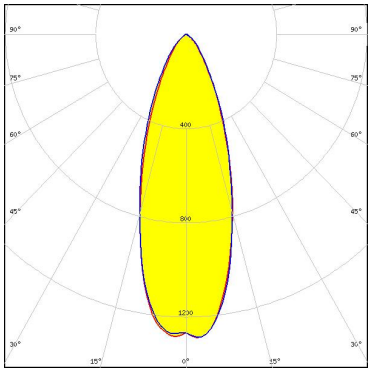


Light distribution files

SAMSUNG

LED	LC040D / LC060D / LC080D
FWHM / FWTM	36.0° / 74.0°
Efficiency	70 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 631b Hekla XL

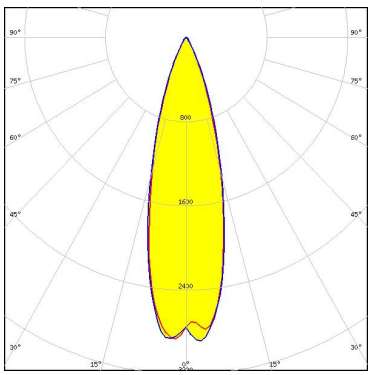


Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	28.0° / 52.0°
Efficiency	88 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F15859_HEKLA-SOCKET-I



Light distribution files

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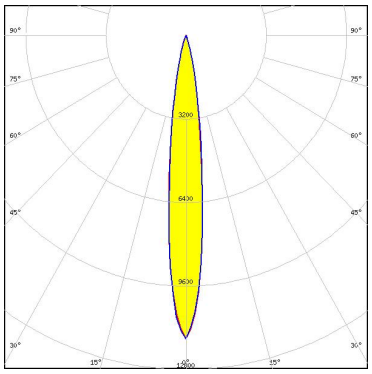
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

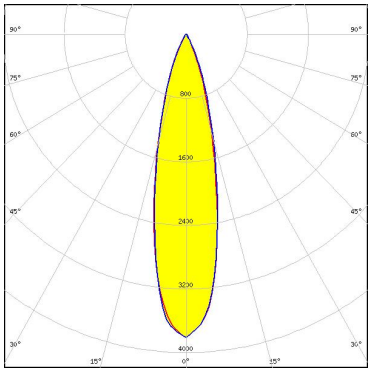
LED	MJT COB LES 6
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	13.0° / 29.0°
Efficiency	93 %
Peak intensity	11.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

TRIDONIC

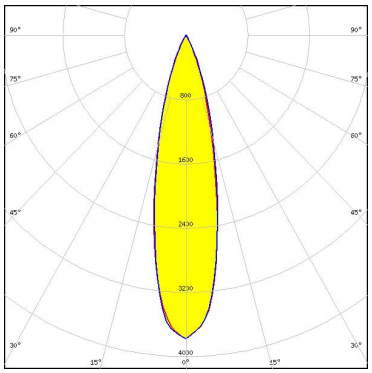
LED	SLE 13mm 3000lm xxx R ADV8
Ordering code	CP19150_AMY-50-S-B2-WHT
FWHM / FWTM	24.0° / 49.0°
Efficiency	95 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
BJB: 47.360.1010	



Light distribution files

TRIDONIC

LED	SLE 13mm 3000lm xxx R ADV8
Ordering code	CP19132_AMY-50-S-B2
FWHM / FWTM	24.0° / 47.0°
Efficiency	87 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
BJB: 47.360.1010	



Light distribution files

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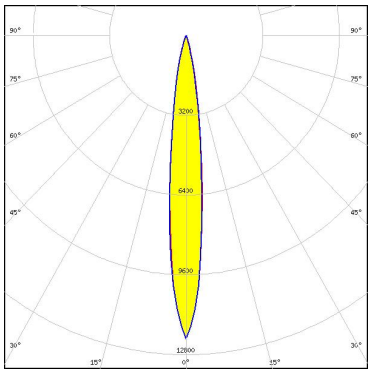
OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE SNC8 LES06
Ordering code	CP19123_AMY-50-S-C2
FWHM / FWTM	12.0° / 28.0°
Efficiency	93 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-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.

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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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