AMY-70-M

~24° medium beam

SPECIFICATION:

Dimensions	Ø 69.9
Height	12.8 mm
Fastening	socket
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-70-M	Single lens	PMMA	clear		
AMY-70-HLD2-C	Holder C	PC	black		
AMY-70-HLD2-B	Holder B	PC	black		
AMY-70-HLD2-C-WHT	Holder C	PC	white		
AMY-70-HLD2-B-WHT	Holder B	PC	white		
AMY-70-HLD2-B50	Holder B	PC	black		
AMY-70-HLD2-B50-WHT	Holder B	PC	white		

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ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17777_AMY-70-M	285	285	15	9.2
Assembly				
CP19652_AMY-70-M-B50-WHT	210	210	15	8.7
CP19644_AMY-70-M-B50	210	210	15	8.4
CP19116_AMY-70-M-B2-WHT	210	210	15	8.7
CP19108_AMY-70-M-C2-WHT	210	210	15	8.4
CP19091_AMY-70-M-B2	210	210	15	8.7
CP19038_AMY-70-M-C2	210	210	15	8.4

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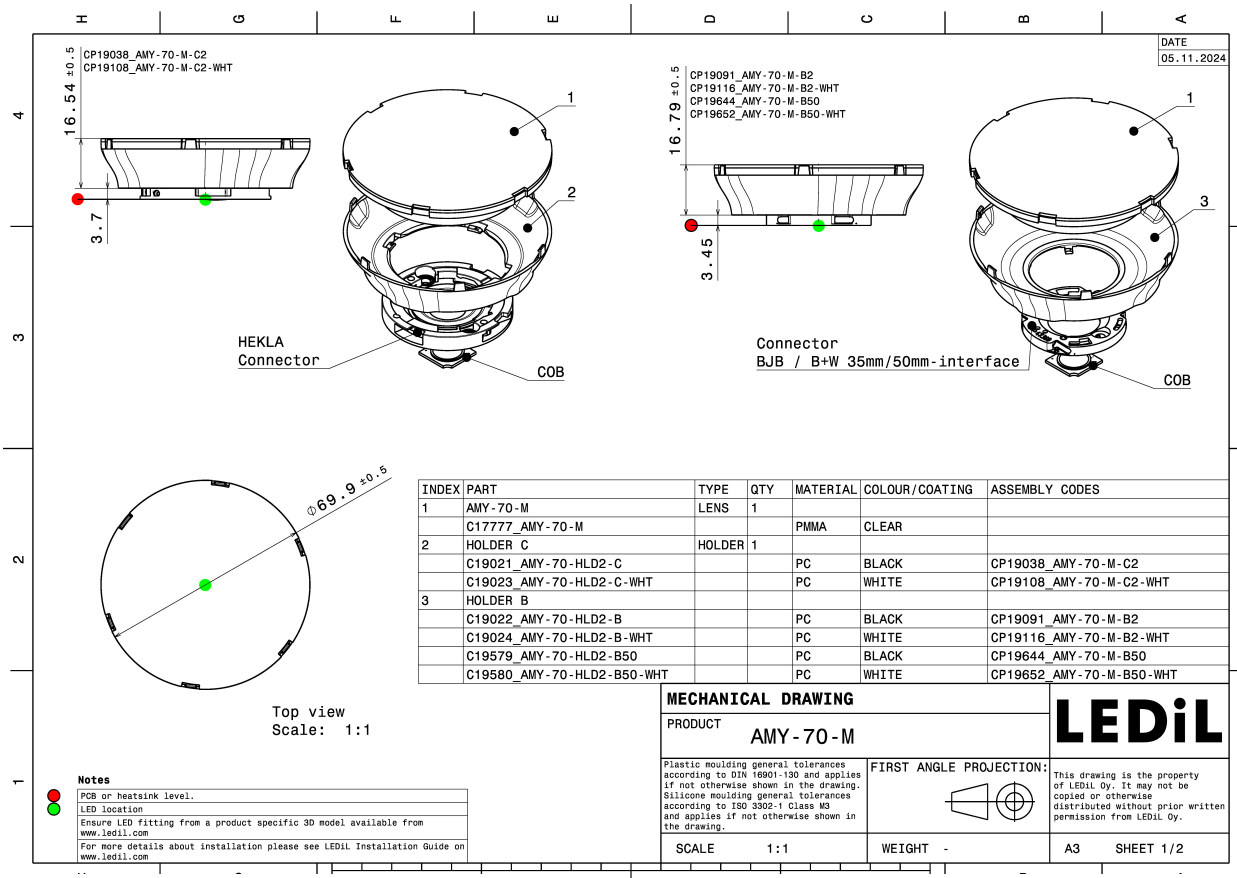
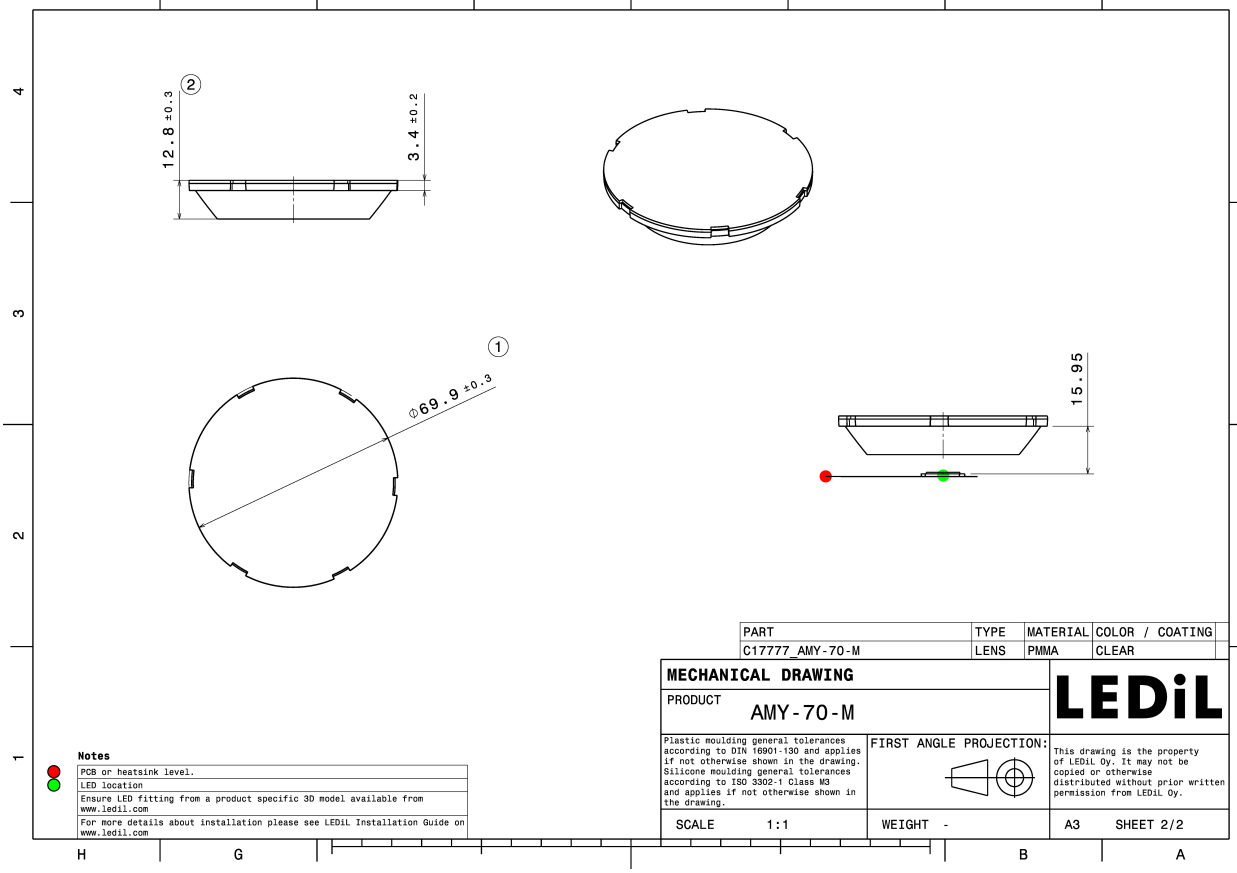


INDEX	PART	TYPE	QTY	MATERIAL	COLOUR/COATING	ASSEMBLY CODES
1	AMY-70-M	LENS	1			
	C17777_AMY-70-M			PMMA	CLEAR	
2	HOLDER C	HOLDER	1			
	C19021_AMY-70-HLD2-C			PC	BLACK	CP19038_AMY-70-M-C2
	C19023_AMY-70-HLD2-C-WHT			PC	WHITE	CP19108_AMY-70-M-C2-WHT
3	HOLDER B					
	C19022_AMY-70-HLD2-B			PC	BLACK	CP19091_AMY-70-M-B2
	C19024_AMY-70-HLD2-B-WHT			PC	WHITE	CP19116_AMY-70-M-B2-WHT
	C19579_AMY-70-HLD2-B50			PC	BLACK	CP19644_AMY-70-M-B50
	C19580_AMY-70-HLD2-B50-WHT			PC	WHITE	CP19652_AMY-70-M-B50-WHT



PART	TYPE	MATERIAL	COLOR / COATING
C17777_AMY-70-M	LENS	PMMA	CLEAR

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

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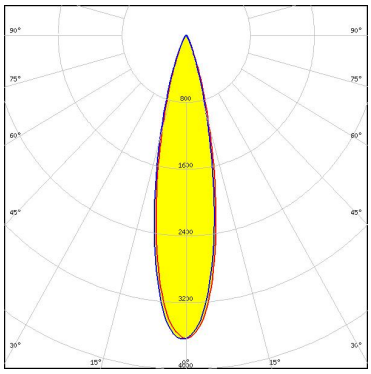
OPTICAL RESULTS (MEASURED):

bridgelux

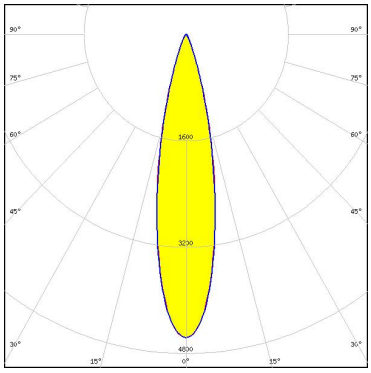
LED	BXRV-D10-RGBW2000-A3
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 44.0°
Efficiency	79 %
Peak intensity	3.6 cd/lm
LEDs/each optic	28
Light colour/type	RGBW
Required components:	
C19950_HEKLA-SOCKET-RZ	



Light distribution files

bridgelux

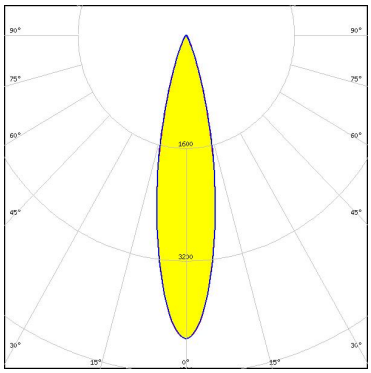
LED	V10 Gen 8-9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 42.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

bridgelux

LED	V11 HD Gen 8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 44.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 633d Hekla	



Light distribution files

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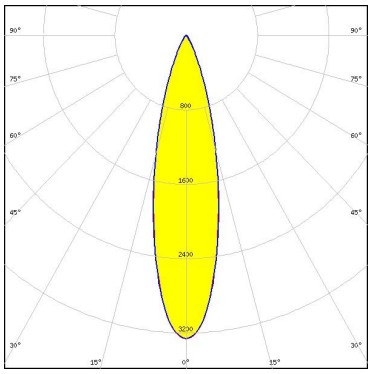
OPTICAL RESULTS (MEASURED):

bridgelux

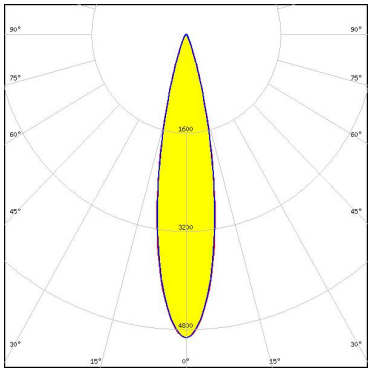
LED	V13 Gen 8-9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 51.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

bridgelux

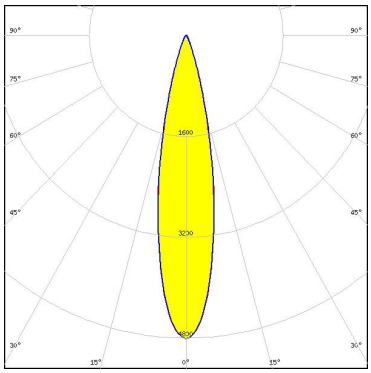
LED	V8 Gen 8-9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 40.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

CITIZEN

LED	CLU02x (LES10)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 41.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

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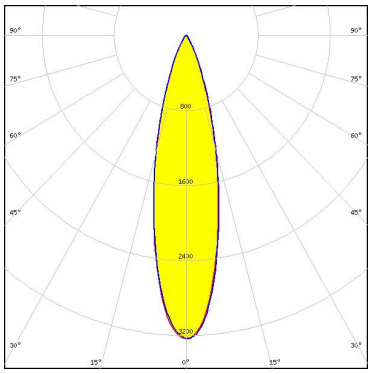
OPTICAL RESULTS (MEASURED):

CREE LEDs

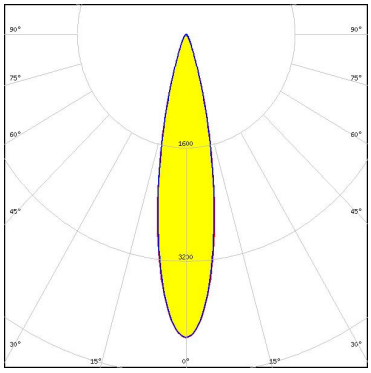
LED	CMU15xx
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 51.0°
Efficiency	88 %
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

LUMILEDS

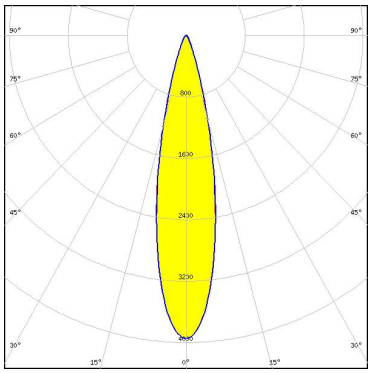
LED	LUXEON Fusion 12-up (20x24)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 41.0°
Efficiency	84 %
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	
F18158_HEKLA-RZ-LENS	
Bender Wirth: 442 Typ L8	



Light distribution files

LUMILEDS

LED	LUXEON Fusion 21-up (20x24)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 42.0°
Efficiency	82 %
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

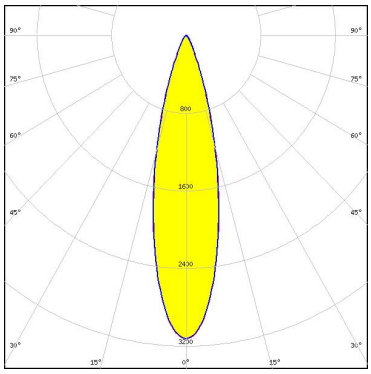
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

LUMILEDS

LED	LUXEON Fusion 27-up (20x24)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 48.0°
Efficiency	82 %
LEDs/each optic	1
Light colour/type	White

Required components:
- C16142_HEKLA-SOCKET-K
- F18158_HEKLA-RZ-LENS
- Bender Wirth: 442 Typ L8

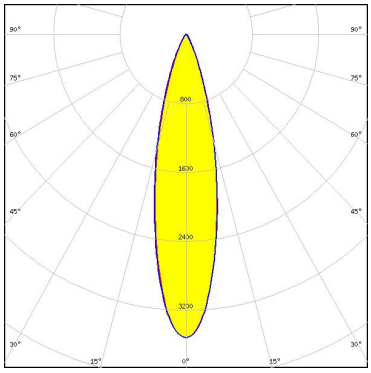


Light distribution files

LUMINUS

LED	CTM-14 (Tunable White) Gen2
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.5° / 48.0°
Efficiency	89 %
LEDs/each optic	1
Light colour/type	White

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

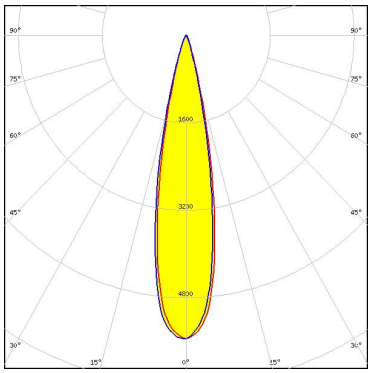


Light distribution files

PHILIPS

LED	Fortimo SLM C TW L06A 1313 G7N
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	92 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
- C16142_HEKLA-SOCKET-K
- Bender Wirth: 508 Typ L8



Light distribution files

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

OPTICAL RESULTS (MEASURED):

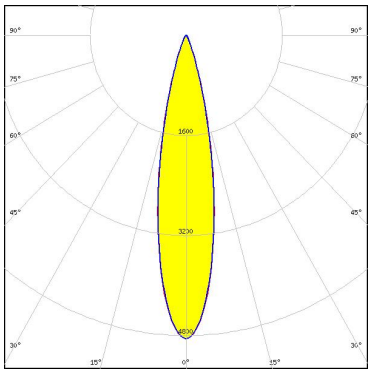
PHILIPS

LED	Fortimo SLM C TW L09A 1919 G7N
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 41.0°
Efficiency	91 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:

C16142_HEKLA-SOCKET-K

Bender Wirth: 501 Typ L8

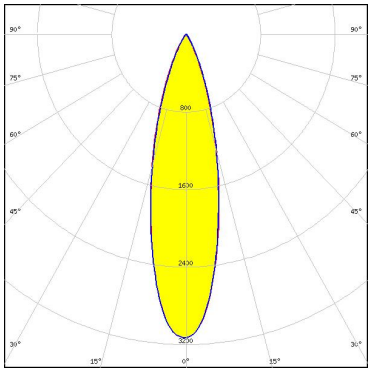


Light distribution files

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	C17777_AMY-70-M
FWHM / FWTM	27.0° / 53.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White

Required components:



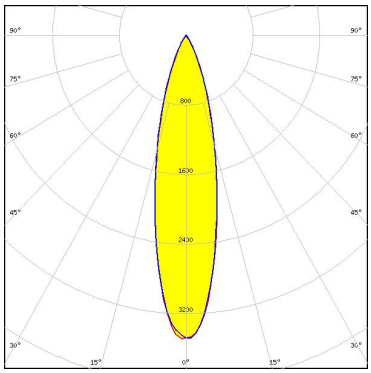
Light distribution files

SAMSUNG

LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	27.0° / 53.0°
Efficiency	90 %
LEDs/each optic	1
Light colour/type	White

Required components:

F15859_HEKLA-SOCKET-I



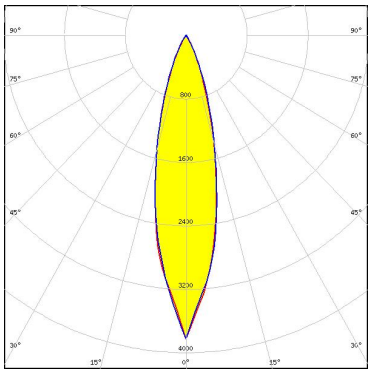
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

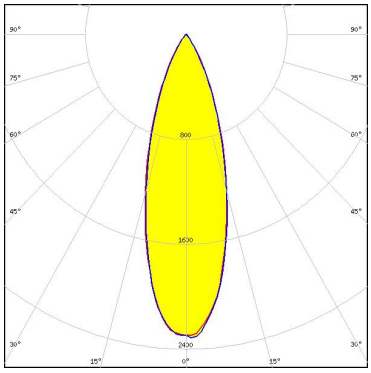
LED	V13 Gen7
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 51.0°
Efficiency	92 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

bridgelux

LED	V18 Gen 8-9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	32.0° / 61.0°
Efficiency	86 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

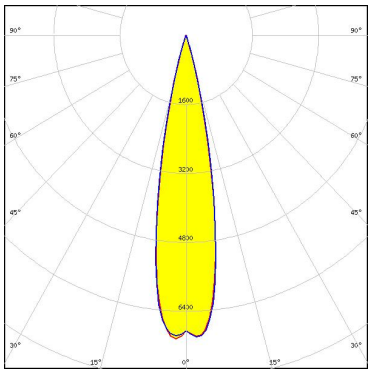


Bender Wirth: 639b Hekla XL

Light distribution files

bridgelux

LED	V3 HD Gen 8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 32.0°
Efficiency	94 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

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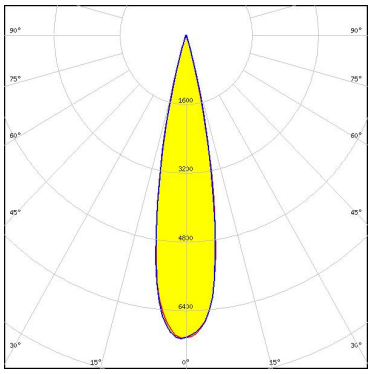
OPTICAL RESULTS (SIMULATED):

bridgelux

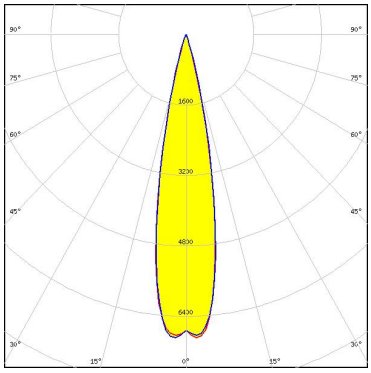
LED	V3 HD Gen 8 FC
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 32.0°
Efficiency	93 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

bridgelux

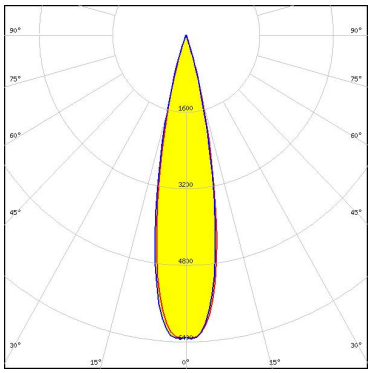
LED	V4 HD Gen 8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 34.0°
Efficiency	94 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V6 Gen 8-9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 35.0°
Efficiency	94 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

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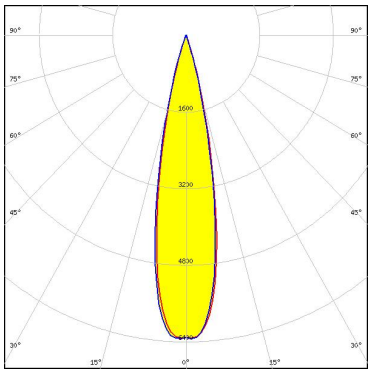
OPTICAL RESULTS (SIMULATED):

bridgelux

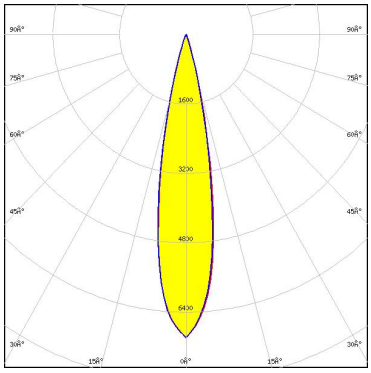
LED	V6 Gen 8-9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 35.0°
Efficiency	96 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V6 HD Gen 8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	20.0° / 34.0°
Efficiency	94 %
Peak intensity	7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

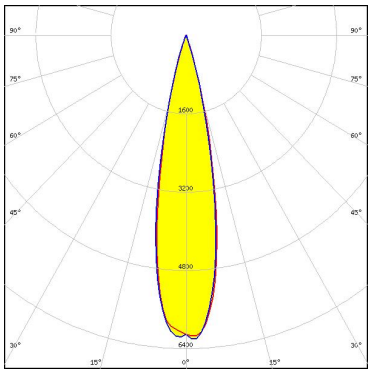


Light distribution files

Bender Wirth: 634c Hekla

bridgelux

LED	V6 HD Gen 8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	93 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



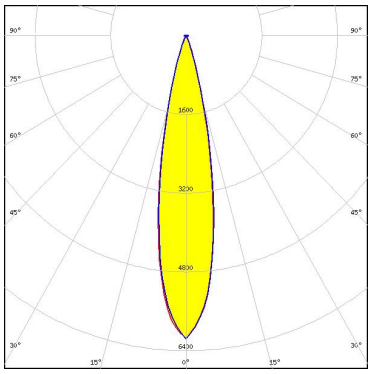
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

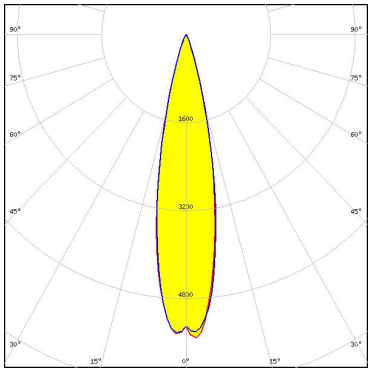
LED	V8 Gen 8-9
Ordering code	C17777_AMY-70-M
FWHM / FWTM	21.0° / 37.0°
Efficiency	96 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

bridgelux

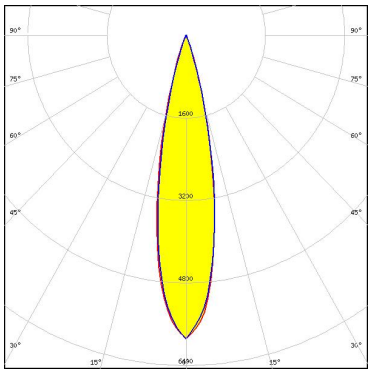
LED	V8 Gen7
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 38.0°
Efficiency	91 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15253_HEKLA-SOCKET-A	



Light distribution files

bridgelux

LED	V9 HD Gen 8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 38.0°
Efficiency	93 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



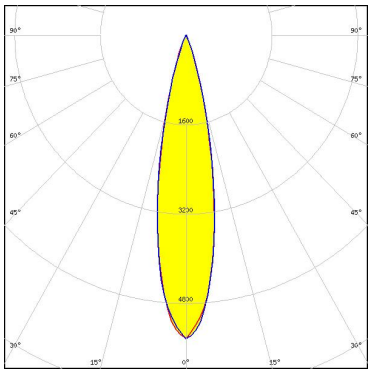
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

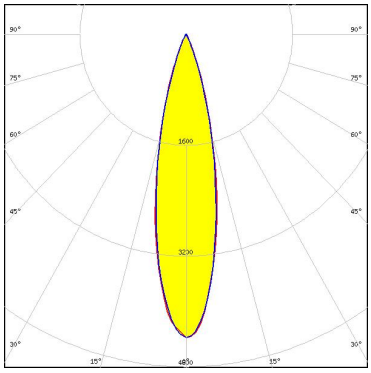
LED	VERO10
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 39.0°
Efficiency	91 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15616_HEKLA-SOCKET-F	



Light distribution files

bridgelux

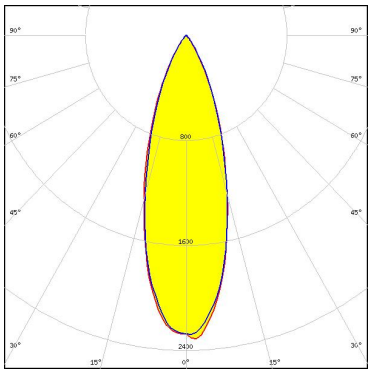
LED	VERO13
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 44.0°
Efficiency	89 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

bridgelux

LED	VERO18
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	33.0° / 62.0°
Efficiency	90 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	



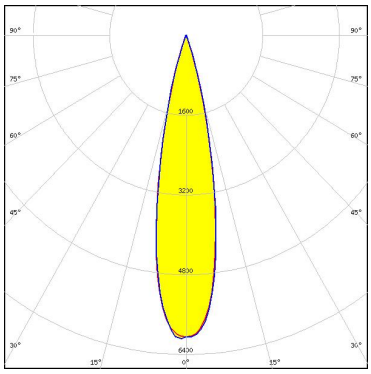
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Vesta DTW 13mm (21W)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	93 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

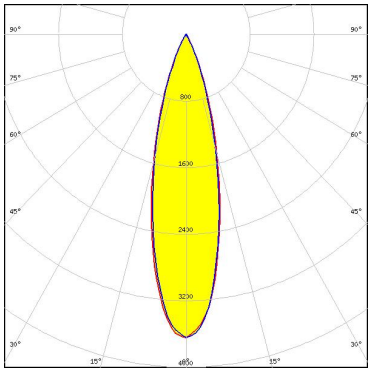


Bender Wirth: 632b Hekla XL

Light distribution files

bridgelux

LED	Vesta DTW 15mm (33W)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	27.0° / 50.0°
Efficiency	91 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

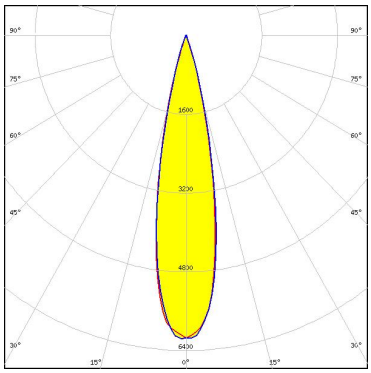


Bender Wirth: 632b Hekla XL

Light distribution files

bridgelux

LED	Vesta DTW 6mm
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	93 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 652b Hekla

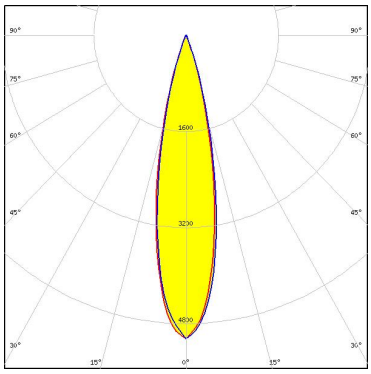
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 37.0°
Efficiency	91 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

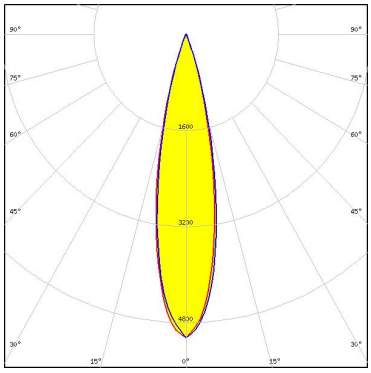


Bender Wirth: 652b Hekla

Light distribution files

bridgelux

LED	Vesta DTW 9mm (4W/6W/12W)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 39.0°
Efficiency	87 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F18158_HEKLA-RZ-LENS	

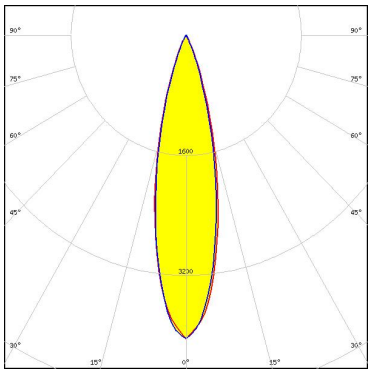


Light distribution files

Bender Wirth: 652b Hekla

bridgelux

LED	Vesta SE 13mm TW
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 45.0°
Efficiency	87 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



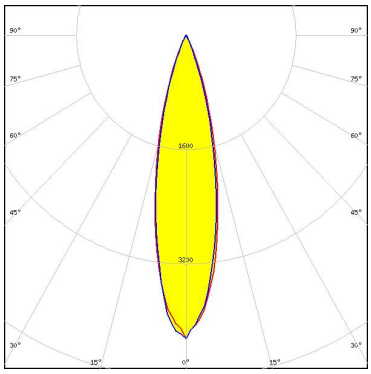
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	Vesta TW 13mm (18W) DP
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 45.0°
Efficiency	90 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	

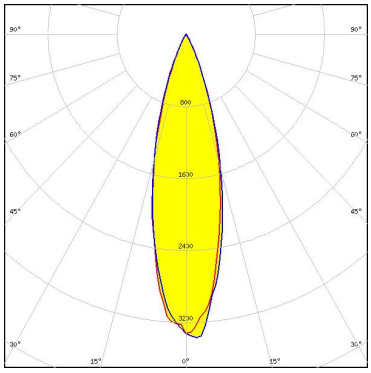


Light distribution files

Bender Wirth: 492 Typ L8

bridgelux

LED	Vesta TW 15mm DP
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	27.0° / 50.0°
Efficiency	89 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	

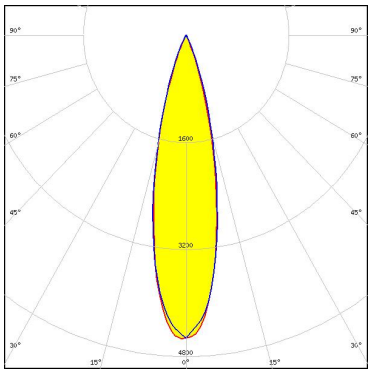


Light distribution files

Bender Wirth: 482 Typ L8

bridgelux

LED	Vesta TW 9mm (9W) DP
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	25.0° / 44.0°
Efficiency	93 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

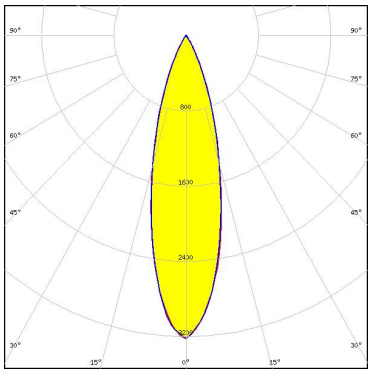
Bender Wirth: 489 Typ L8

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

OPTICAL RESULTS (SIMULATED):

CITIZEN

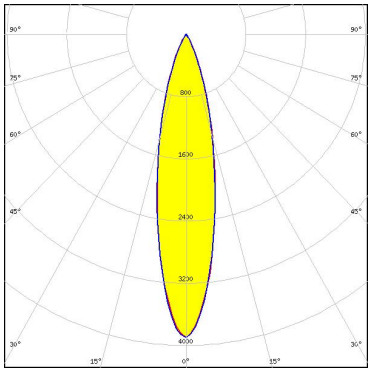
LED	CLU03Q Type-F
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	28.0° / 54.0°
Efficiency	92 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

CITIZEN

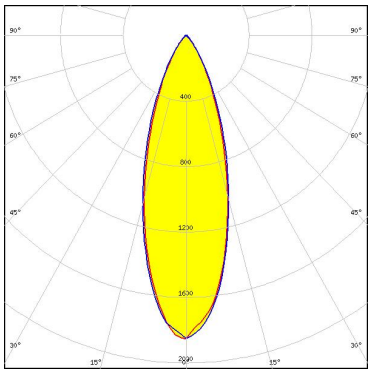
LED	CLU03x
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 49.0°
Efficiency	89 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

CITIZEN

LED	CLU04x
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	33.0° / 66.0°
Efficiency	80 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 631a Hekla XL	



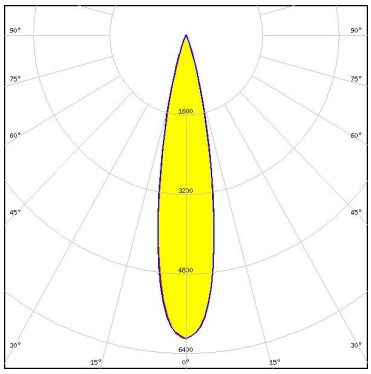
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CITIZEN

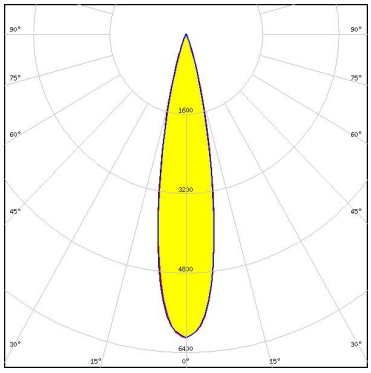
LED	CLU700/701/702/703
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	21.0° / 37.0°
Efficiency	93 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

CITIZEN

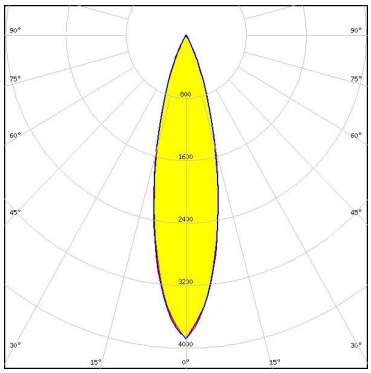
LED	CLU700/701/702/703
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	20.0° / 36.0°
Efficiency	92 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

CITIZEN

LED	CLU733 Type-F
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 50.0°
Efficiency	93 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 631b Hekla XL	



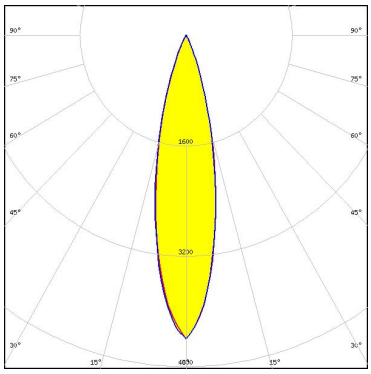
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

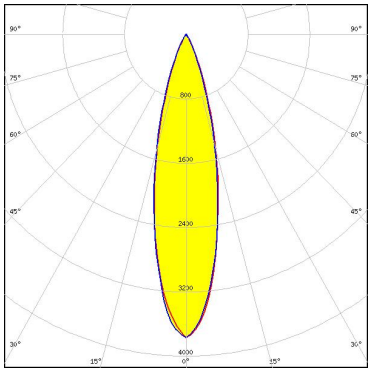
LED	CMA1825
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 45.0°
Efficiency	90 %
Peak intensity	4.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15254_HEKLA-SOCKET-B	



Light distribution files

CREE LEDs

LED	CMA1840
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	25.0° / 49.0°
Efficiency	90 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

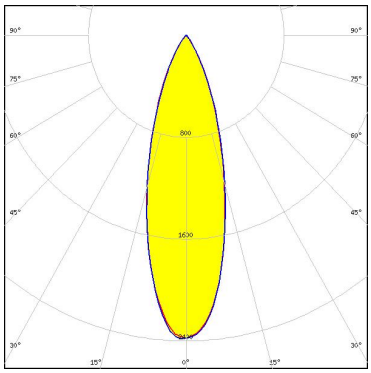


Bender Wirth: 637a Hekla

Light distribution files

CREE LEDs

LED	CMA2550
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	30.0° / 60.0°
Efficiency	86 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 639a Hekla XL

Light distribution files

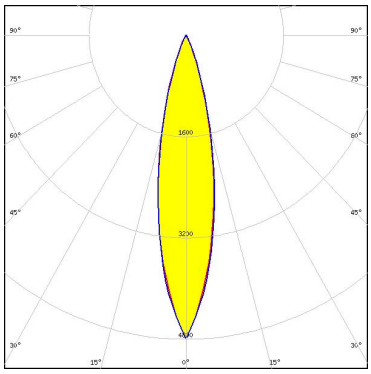
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	CMB1818-25
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 44.0°
Efficiency	91 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 637a Hekla

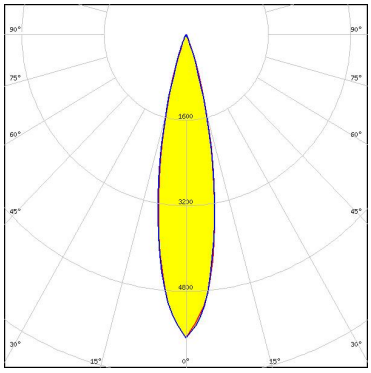


Light distribution files

CREE LEDs

LED	CMT14xx
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 39.0°
Efficiency	91 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

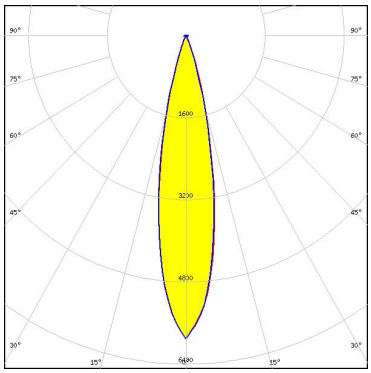
F17435_HEKLA-G2-C



Light distribution files

CREE LEDs

LED	CMT14xx
Ordering code	C17777_AMY-70-M
FWHM / FWTM	22.0° / 38.0°
Efficiency	96 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



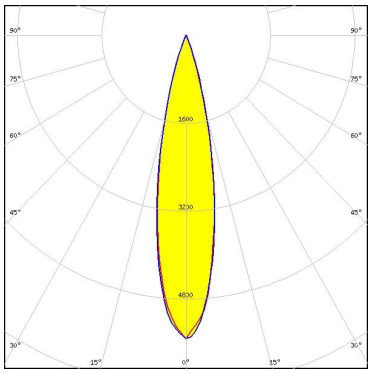
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

CREE LEDs

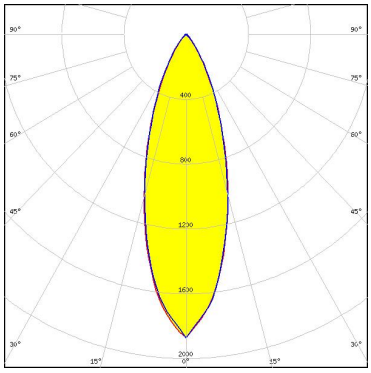
LED	CMU10xx
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 40.0°
Efficiency	91 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17435_HEKLA-G2-C	



Light distribution files

CREE LEDs

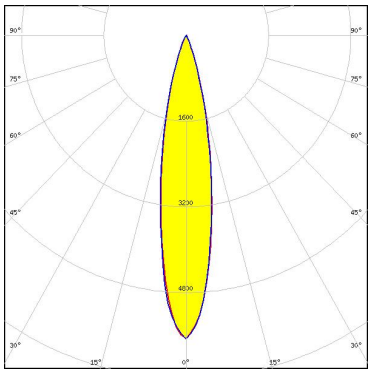
LED	CMU22xx
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	33.0° / 67.0°
Efficiency	80 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 631b Hekla XL	



Light distribution files

CREE LEDs

LED	CXA/B 15xx
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	20.0° / 40.0°
Efficiency	91 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15256_HEKLA-SOCKET-D	



Light distribution files

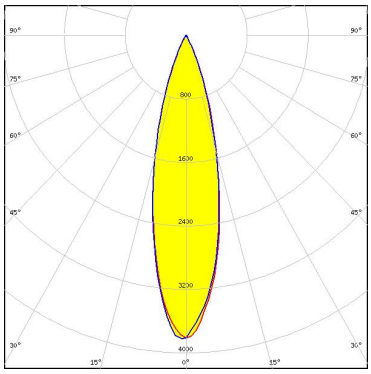
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CX Plus CoB L08 (Gen2)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 49.0°
Efficiency	93 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 637a Hekla

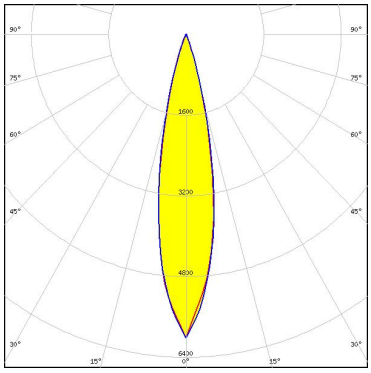


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202/1203
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 38.0°
Efficiency	93 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F15858_HEKLA-SOCKET-H

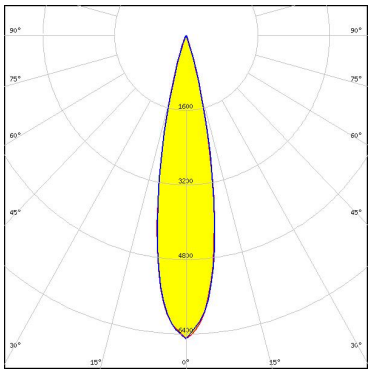


Light distribution files

LUMILEDS

LED	LUXEON CoB 1202HD
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	94 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F15848_HEKLA-SOCKET-G



Light distribution files

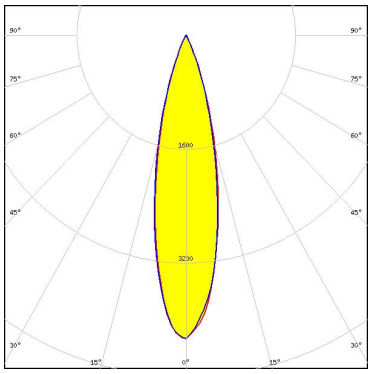
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CoB 1204/1205
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	25.0° / 46.0°
Efficiency	92 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 632a Hekla XL

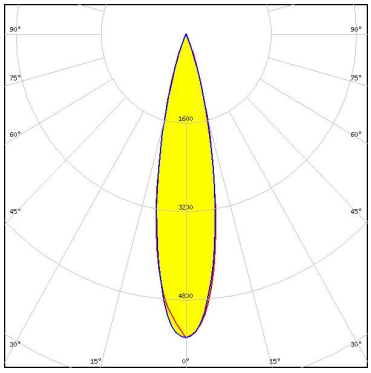


Light distribution files

LUMILEDS

LED	LUXEON CoB 1204HD
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 40.0°
Efficiency	93 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F15858_HEKLA-SOCKET-H

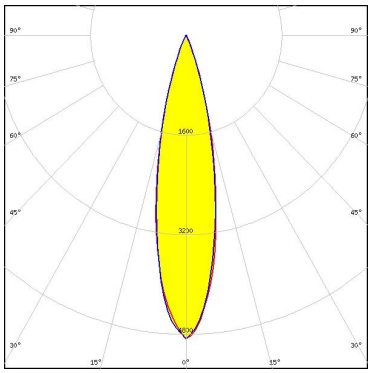


Light distribution files

LUMILEDS

LED	LUXEON CoB 1205HD
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 42.0°
Efficiency	92 %
Peak intensity	4.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F15858_HEKLA-SOCKET-H



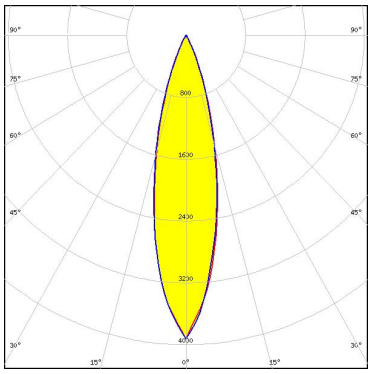
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON CoB 1208
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	25.0° / 48.0°
Efficiency	92 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

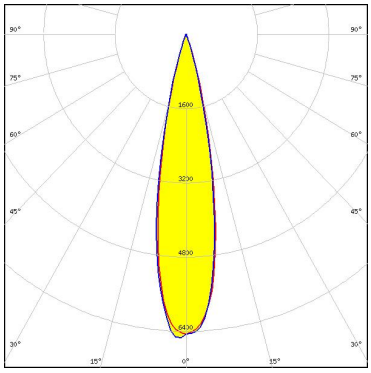


Bender Wirth: 632a Hekla XL

Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S02H6
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 35.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

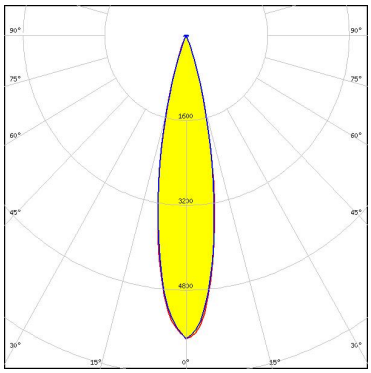


Bender Wirth: 634c Bayonet35L

Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB - HD S04H9
Ordering code	C17777_AMY-70-M
FWHM / FWTM	22.0° / 38.0°
Efficiency	96 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



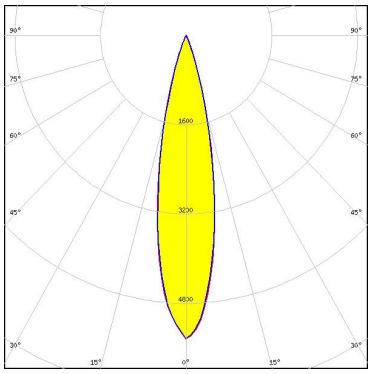
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMILEDS

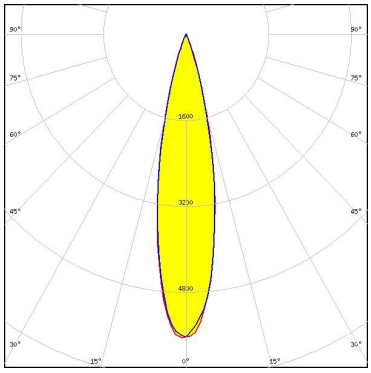
LED	LUXEON CX Plus CoB - HD S04H9
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 40.0°
Efficiency	91 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

LUMILEDS

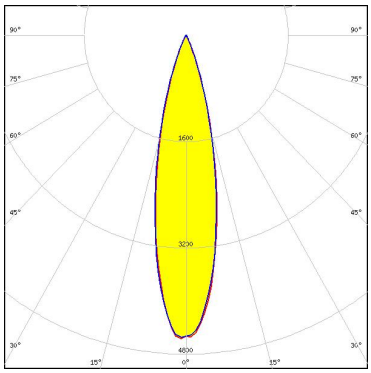
LED	LUXEON CX Plus CoB - HD S04H9
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 40.0°
Efficiency	94 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
Bender Wirth: 634a Bayonet35L	



Light distribution files

LUMILEDS

LED	LUXEON CX Plus CoB L04 / L05 (Gen2)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 44.0°
Efficiency	93 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15254_HEKLA-SOCKET-B	



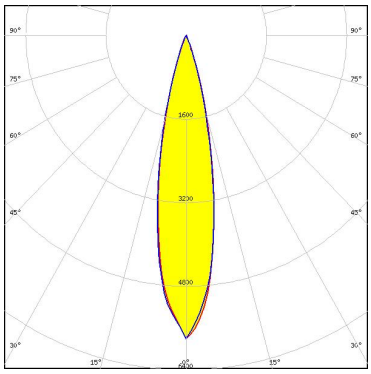
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMILEDS

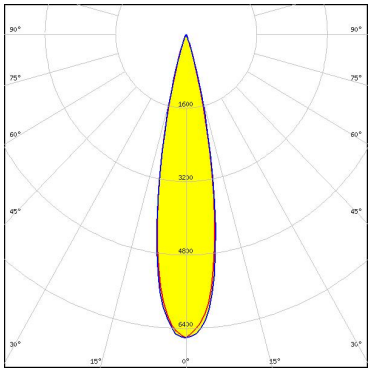
LED	LUXEON CX Plus CoB M02 / M03 (Gen2)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 38.0°
Efficiency	94 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15256_HEKLA-SOCKET-D	



Light distribution files

LUMILEDS

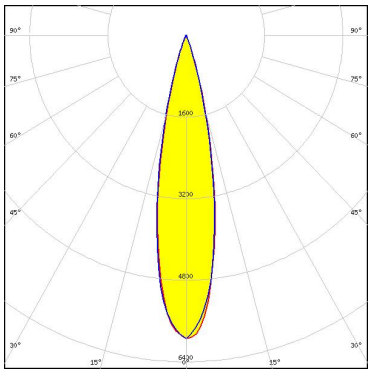
LED	LUXEON CX Plus CoB S01 (Gen2)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 35.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15956_HEKLA-SOCKET-J	



Light distribution files

LUMINUS

LED	CHM-9 XH (19x19)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 38.0°
Efficiency	94 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



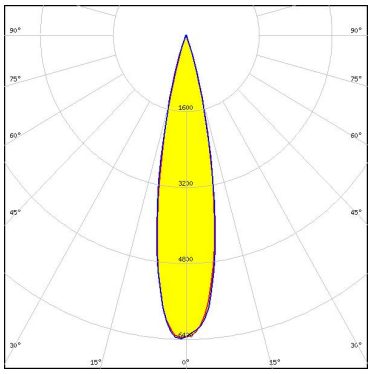
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	CTM-6 (Tunable White) Gen2
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	94 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

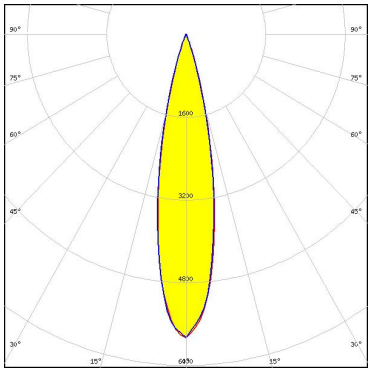


Light distribution files

Bender Wirth: 495 Typ L8

LUMINUS

LED	CTM-9 (Tunable White) Gen2
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 38.0°
Efficiency	93 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

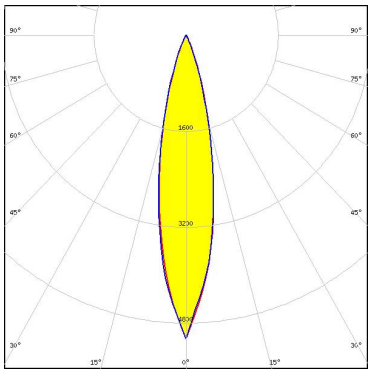


Light distribution files

Bender Wirth: 495 Typ L8

LUMINUS

LED	CxM-11 (19x19)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 42.0°
Efficiency	92 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



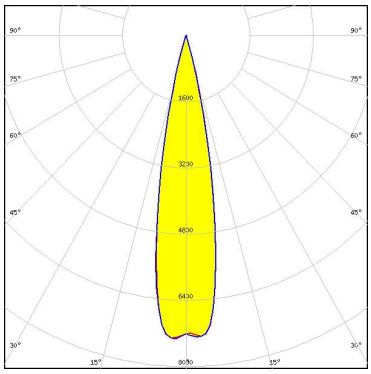
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	CXM-3
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	20.0° / 32.0°
Efficiency	94 %
Peak intensity	7.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

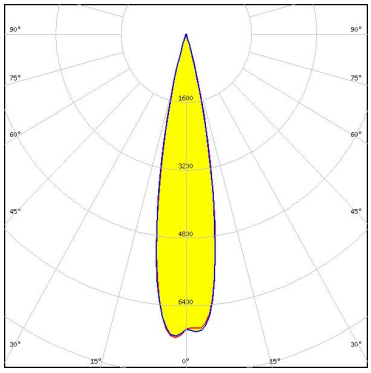


Bender Wirth: 634a Bayonet35L

Light distribution files

LUMINUS

LED	CXM-4
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	21.0° / 32.0°
Efficiency	94 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

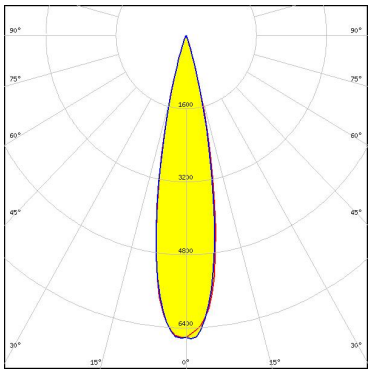


Bender Wirth: 634a Bayonet35L

Light distribution files

LUMINUS

LED	CxM-6 (13.5x13.5)
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 34.0°
Efficiency	94 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



BJB: 47.360.1020

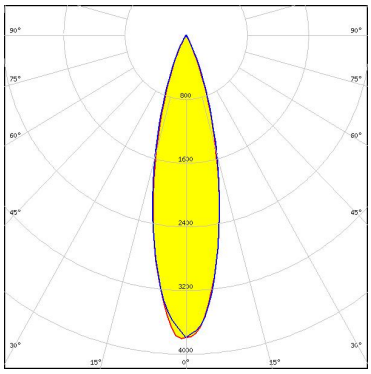
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	COB J-Type
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 49.0°
Efficiency	93 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

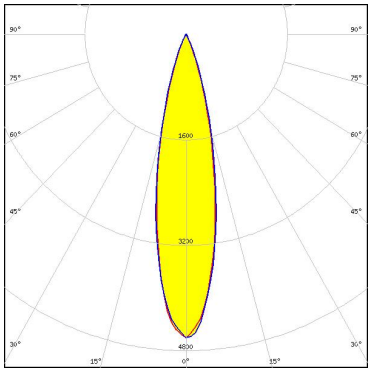


Bender Wirth: 663a Hekla XL

Light distribution files

NICHIA

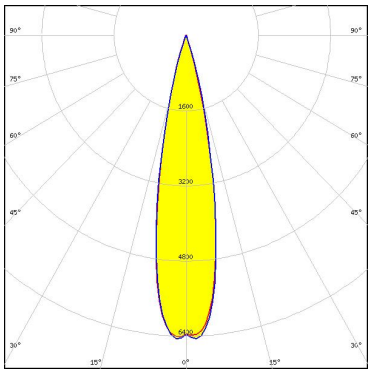
LED	COB L-Type (LES 11)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 43.0°
Efficiency	90 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17437_HEKLA-G2-H	



Light distribution files

NICHIA

LED	COB S-Type (LES 6)
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 34.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Bender Wirth: 652a Bayonet35L

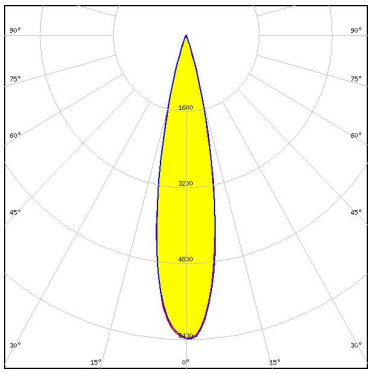
Light distribution files

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

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	COB S-Type (LES 7)
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 36.0°
Efficiency	94 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

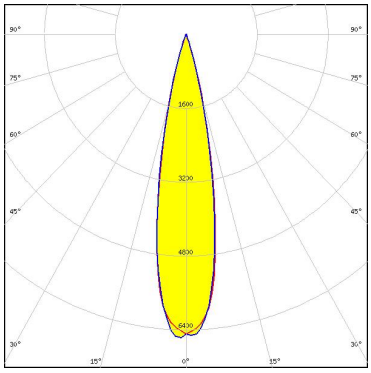


Light distribution files

Bender Wirth: 652a Bayonet35L

NICHIA

LED	COB T-Type
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 35.0°
Efficiency	94 %
Peak intensity	6.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

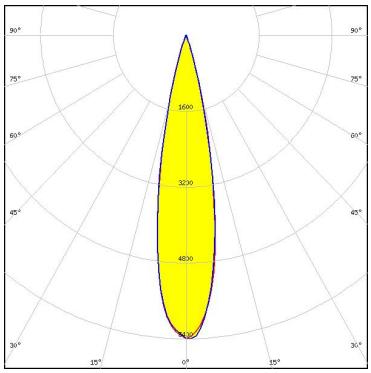


Light distribution files

Bender Wirth: 652a Bayonet35L

NICHIA

LED	NJCWL024Z-V1MT: COB L-Type Tunable White
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 36.0°
Efficiency	94 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	



Light distribution files

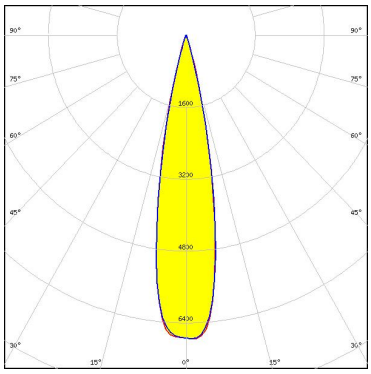
Bender Wirth: 497 Typ L8 HV

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

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NJNWS012Z-V1MT: COB S-Type Tunable White
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 34.0°
Efficiency	94 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

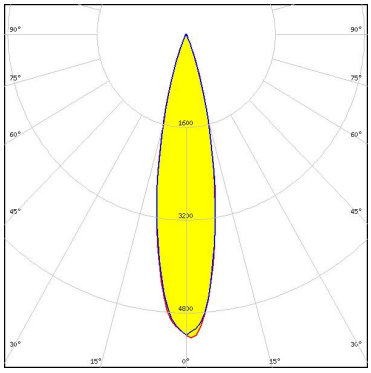


Light distribution files

Bender Wirth: 495 Typ L8 HV

NICHIA

LED	NVCWJ024Z-V1MT: COB J-Type Tunable White
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 41.0°
Efficiency	94 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	
C16142_HEKLA-SOCKET-K	

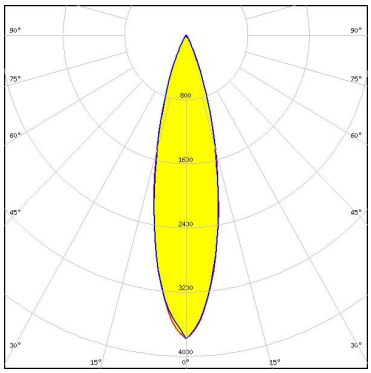


Light distribution files

Bender Wirth: 498 Typ L8 HV

PHILIPS

LED	Fortimo SLM L15 CoB
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 48.0°
Efficiency	90 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

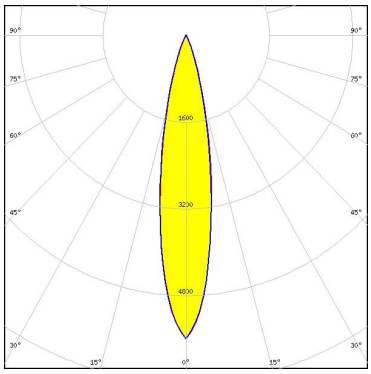
Bender Wirth: 632a Hekla XL

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

OPTICAL RESULTS (SIMULATED):

SAMSUNG

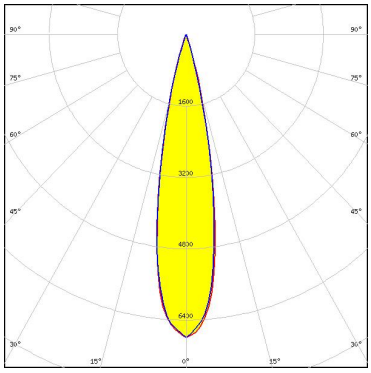
LED	LC003D / LC006D / LC009D / LC013D
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	20.0° / 40.0°
Efficiency	92 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

SAMSUNG

LED	LC010C G2
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 34.0°
Efficiency	94 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

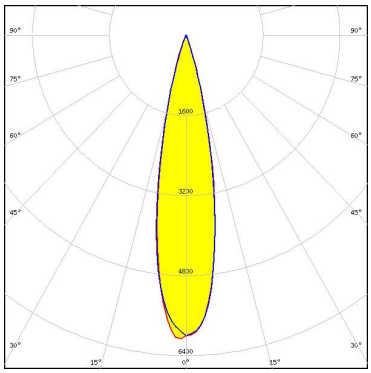


Light distribution files

BJB: 47.360.1020

SAMSUNG

LED	LC010T (Tunable White)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 37.0°
Efficiency	94 %
Peak intensity	6.1 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White
Required components:	



Light distribution files

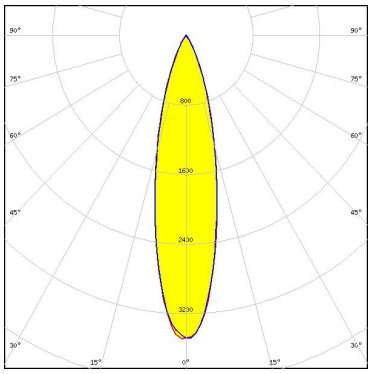
Bender Wirth: 501 Typ L8

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

OPTICAL RESULTS (SIMULATED):

SAMSUNG

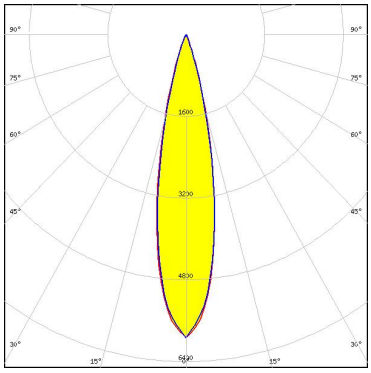
LED	LC016D / LC019D / LC026D / LC033D
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 52.0°
Efficiency	89 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

SAMSUNG

LED	LC020C G2
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	22.0° / 38.0°
Efficiency	93 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

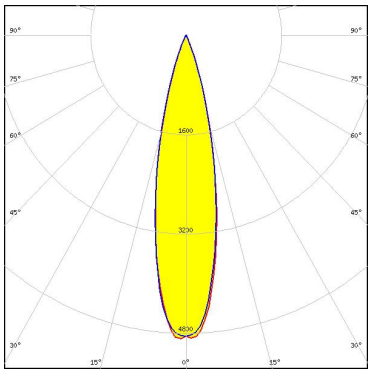


Light distribution files

BJB: 47.360.1010

SAMSUNG

LED	LC020T (Tunable white)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 42.0°
Efficiency	94 %
Peak intensity	5 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

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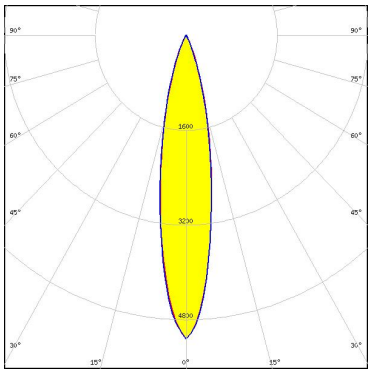
OPTICAL RESULTS (SIMULATED):

SAMSUNG

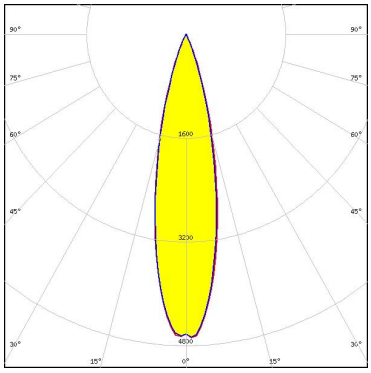
LED	LC020T (Tunable white)
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	20.0° / 43.0°
Efficiency	91 %
Peak intensity	5.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

SAMSUNG

LED	LC030C/040C G2
Ordering code	CP19091_AMY-70-M-B2
FWHM / FWTM	24.0° / 44.0°
Efficiency	93 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

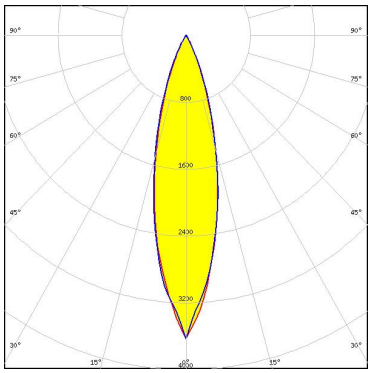


BJB: 47.360.1010

Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 51.0°
Efficiency	89 %
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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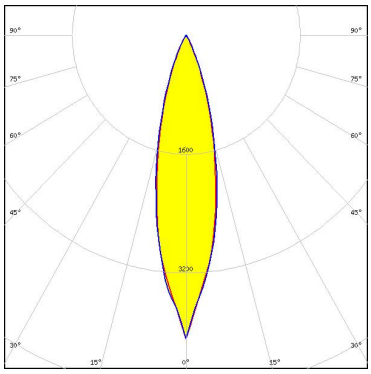
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

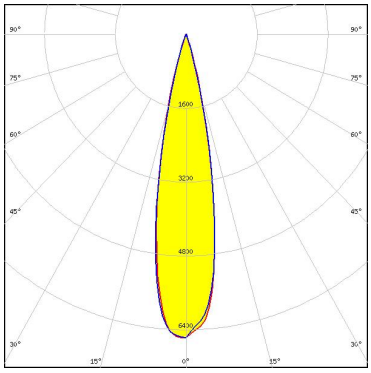
LED	MJT COB LES 14.5
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 48.0°
Efficiency	93 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15859_HEKLA-SOCKET-I	



Light distribution files

SEOUL SEMICONDUCTOR

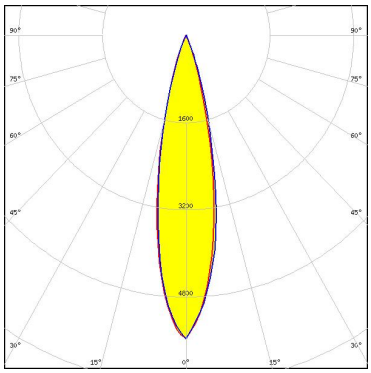
LED	MJT COB LES 6
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	22.0° / 34.0°
Efficiency	95 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

SEOUL SEMICONDUCTOR

LED	MJT COB LES 9.8
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	23.0° / 40.0°
Efficiency	94 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	



Light distribution files

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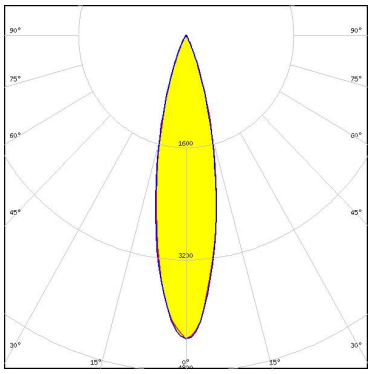
OPTICAL RESULTS (SIMULATED):

TRIDONIC

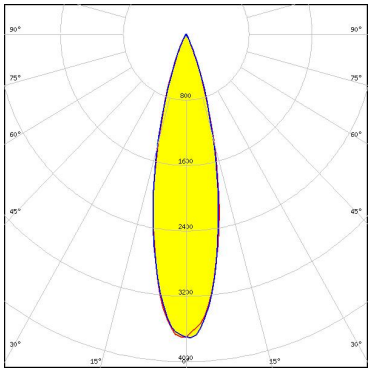
LED	SLE G7 LES13
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	24.0° / 46.0°
Efficiency	92 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

XICATO

LED	XOB 14.5 mm
Ordering code	CP19038_AMY-70-M-C2
FWHM / FWTM	26.0° / 45.0°
Efficiency	82 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



Light distribution files

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GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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