

AMY-50-RS

~15° spot beam with tight cutoff

SPECIFICATION:

Dimensions	Ø 49.9
Height	11 mm
Fastening	socket
ROHS compliant	yes ⓘ

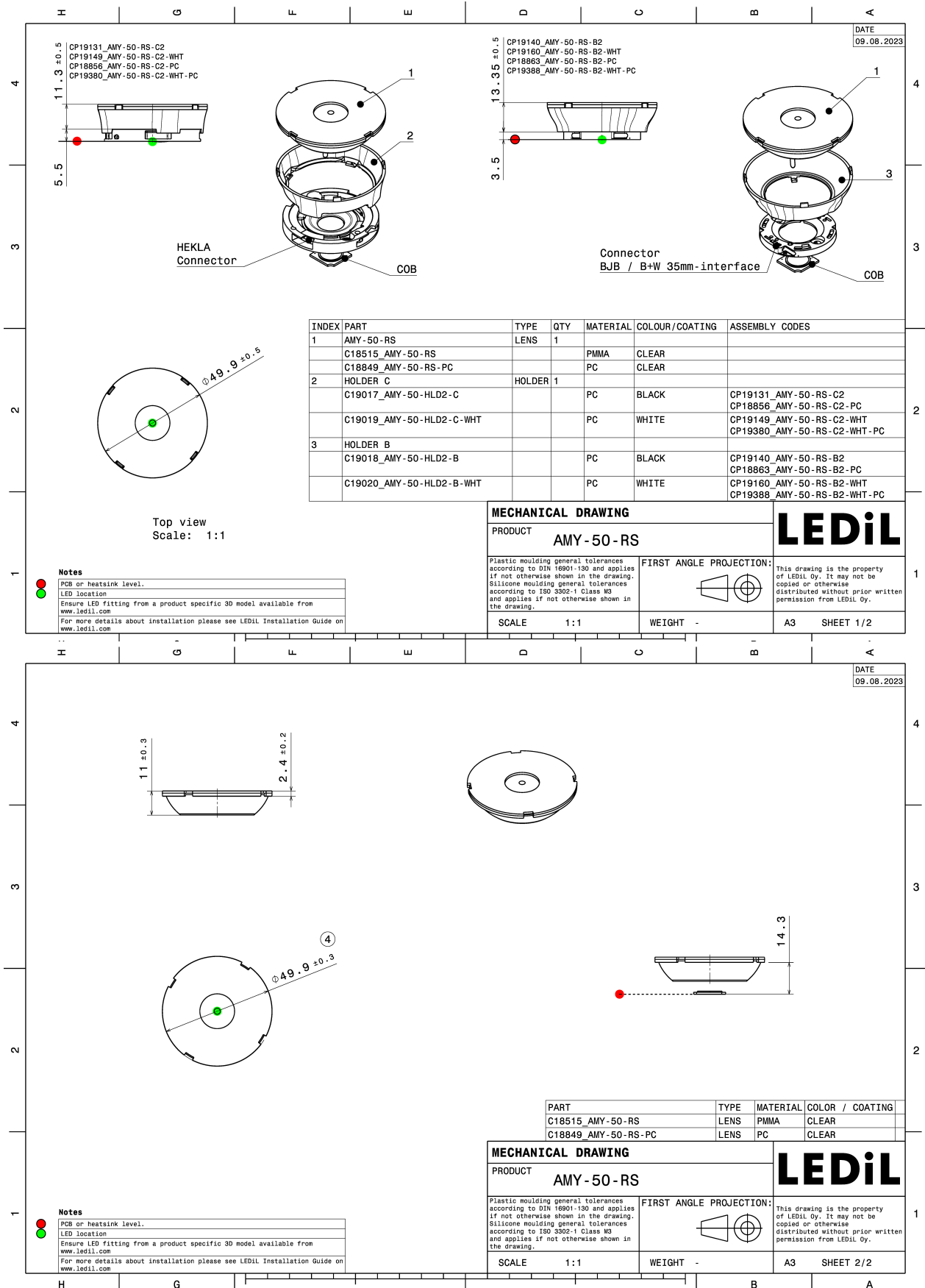
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-50-RS	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		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18515_AMY-50-RS	690	120	30	9.7
Assembly				
CP19160_AMY-50-RS-B2-WHT	510	120	30	8.9
CP19149_AMY-50-RS-C2-WHT	510	120	30	8.5
CP19140_AMY-50-RS-B2	510	120	30	8.9
CP19131_AMY-50-RS-C2	510	120	30	8.5

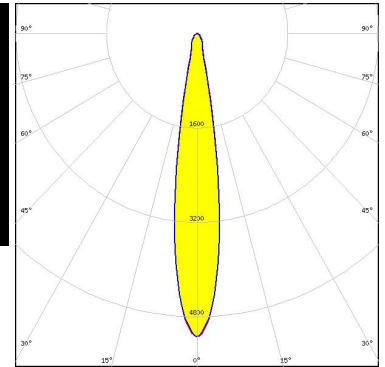


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CITIZEN

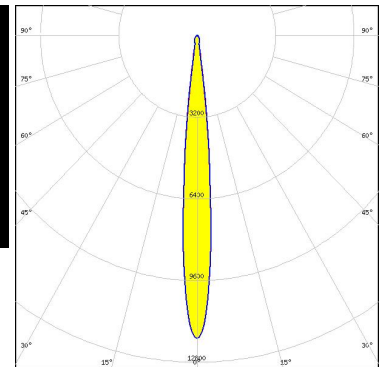
LED CLU02x (LES10)
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 17.0° / 31.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CITIZEN

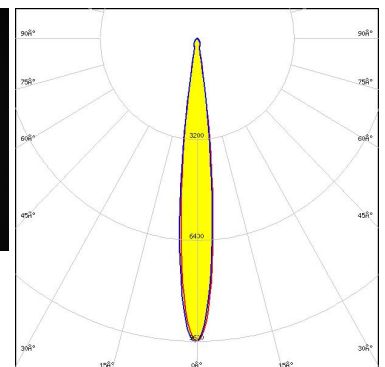
LED CLU700/701/702/703
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 11.0° / 19.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour/type White
 CCT (LED/with lens)* 3000K/K
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

PHILIPS

LED Fortimo SLM C TW L06A 1313 G7N
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 12.0° / 21.0°
 Efficiency 86 %
 Peak intensity 9.7 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 508 Typ L8

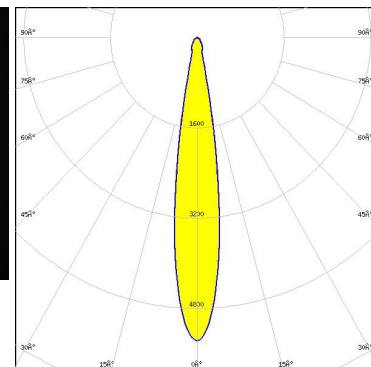


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

LED Fortimo SLM C TW L09A 1919 G7N
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 17.0° / 30.0°
 Efficiency 85 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8

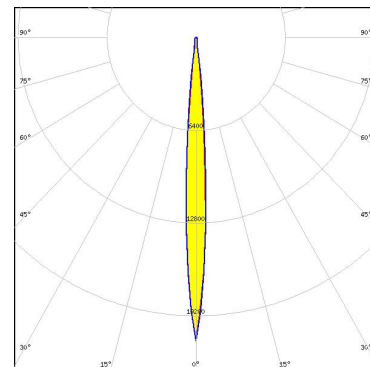


Light distribution files

OPTICAL RESULTS (SIMULATED):



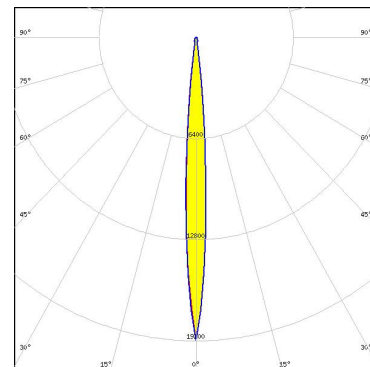
LED V3 HD Gen 8
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 89 %
 Peak intensity 20.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



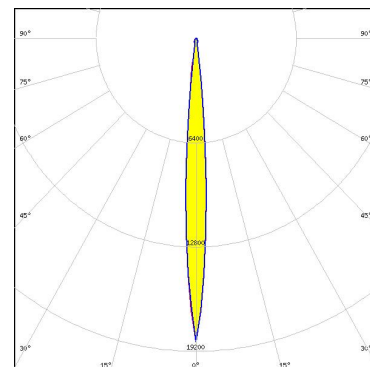
LED V4 HD Gen 7
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 87 %
 Peak intensity 19.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



LED V4 HD Gen 8
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 87 %
 Peak intensity 18.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A

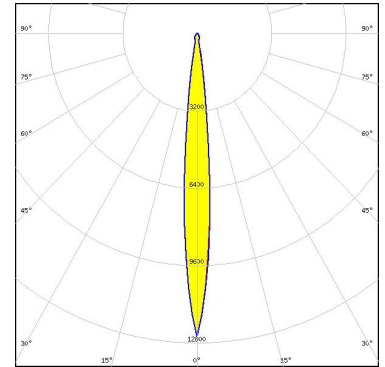


Light distribution files

OPTICAL RESULTS (SIMULATED):



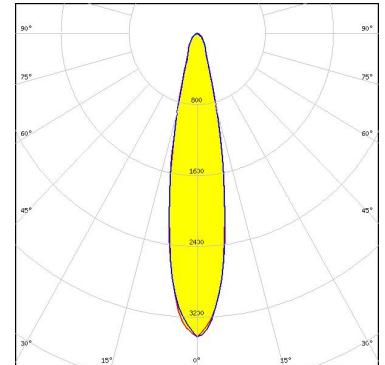
LED V6 HD Gen 7
Ordering code CP19140_AMY-50-RS-B2
FWHM / FWTM 10.0° / 20.0°
Efficiency 86 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



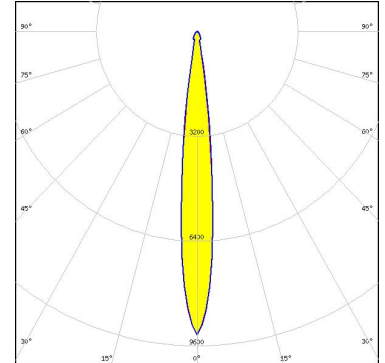
LED VERO13
Ordering code CP19140_AMY-50-RS-B2
FWHM / FWTM 22.0° / 42.0°
Efficiency 87 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta DTW 6mm
Ordering code CP19140_AMY-50-RS-B2
FWHM / FWTM 12.0° / 22.0°
Efficiency 88 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



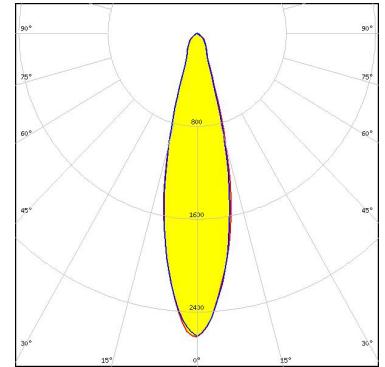
Light distribution files

Bender Wirth: 652b Hekla

OPTICAL RESULTS (SIMULATED):



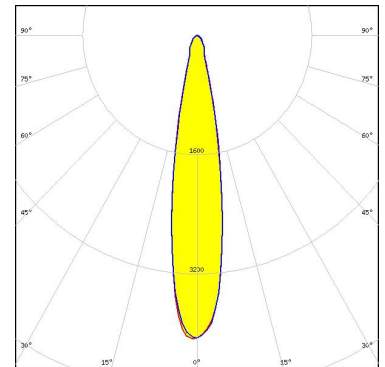
LED Vesta SE 13mm TW
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 26.0° / 46.0°
 Efficiency 79 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files

CITIZEN

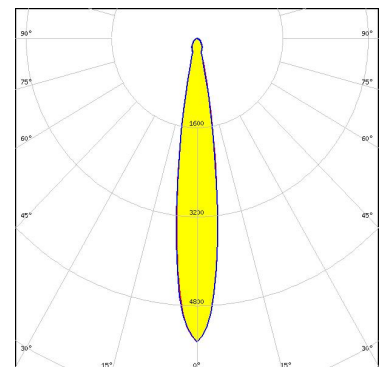
LED CLU02Q Type-F
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 20.0° / 36.0 + 37.0°
 Efficiency 86 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CITIZEN

LED CLU02x (LES10)
 Ordering code C18515_AMY-50-RS
 FWHM / FWTM 16.0° / 29.0°
 Efficiency 87 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

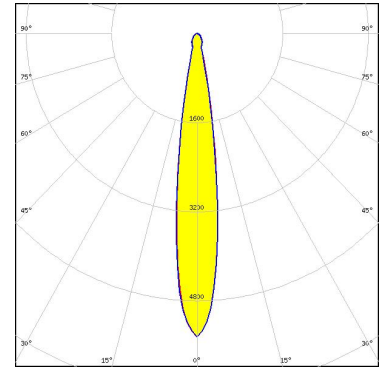


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

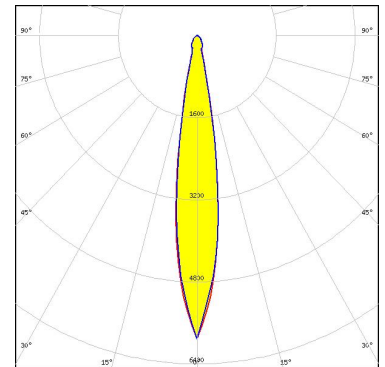
LED	CLU02x (LES10)
Ordering code	CP19140_AMY-50-RS-B2
FWHM / FWTM	16.0° / 29.0°
Efficiency	87 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CITIZEN

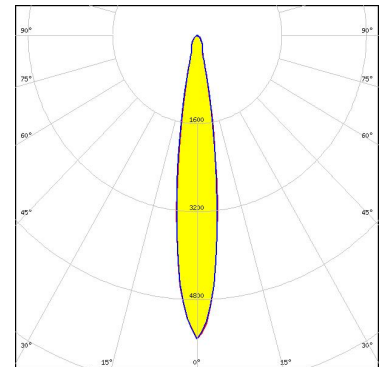
LED	CLU02x (LES10)
Ordering code	CP19149_AMY-50-RS-C2-WHT
FWHM / FWTM	16.0° / 30.0°
Efficiency	93 %
Peak intensity	5.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	F17435_HEKLA-G2-C



Light distribution files

CITIZEN

LED	CLU713 Type-F
Ordering code	CP19131_AMY-50-RS-C2
FWHM / FWTM	16.0° / 31.0°
Efficiency	87 %
Peak intensity	5.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	F17438_HEKLA-G2-I

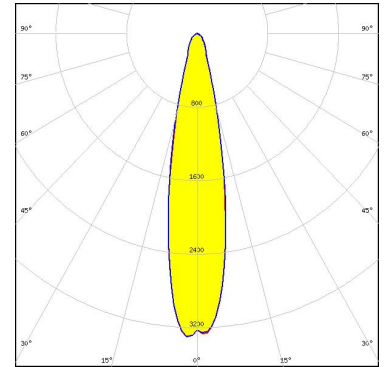


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

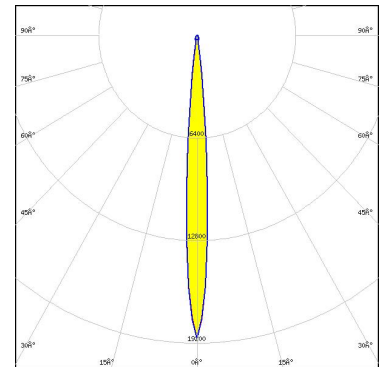
LED	CLU723 Type-F
Ordering code	CP19131_AMY-50-RS-C2
FWHM / FWTM	22.0° / 43.0 + 42.0°
Efficiency	86 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I



Light distribution files



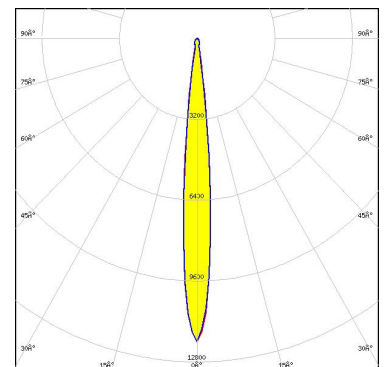
LED	CHA0410
Ordering code	CP19131_AMY-50-RS-C2
FWHM / FWTM	8.0° / 16.0°
Efficiency	86 %
Peak intensity	18.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C



Light distribution files



LED	CHA0612
Ordering code	CP19131_AMY-50-RS-C2
FWHM / FWTM	10.0° / 19.0°
Efficiency	86 %
Peak intensity	12 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C

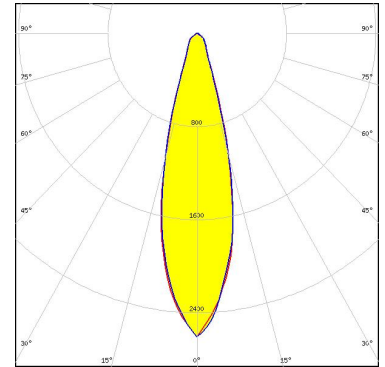


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB L08 (Gen2)
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 86 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

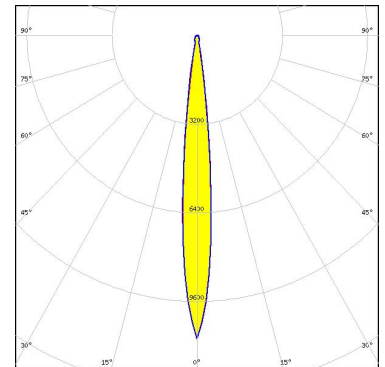


Bender Wirth: 637a Hekla

Light distribution files



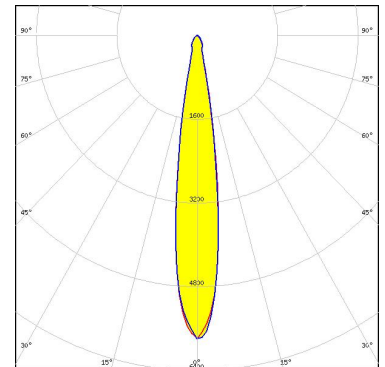
LED LUXEON 7070
 Ordering code C18515_AMY-50-RS
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 91 %
 Peak intensity 10.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON CoB 1204HD
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 87 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

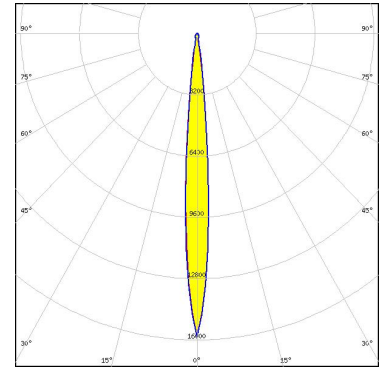


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB - HD S01H4
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 9.0° / 18.0°
 Efficiency 87 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

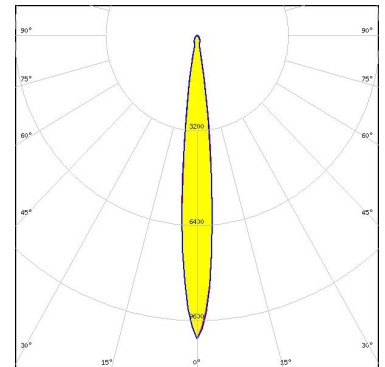


Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S02H6
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 88 %
 Peak intensity 10.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

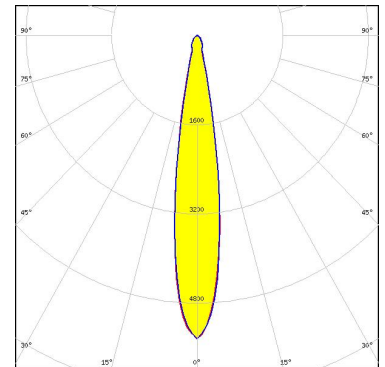


Bender Wirth: 634c Bayonet35L

Light distribution files



LED LUXEON CX Plus CoB - HD S04H9
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 17.0° / 30.0°
 Efficiency 87 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



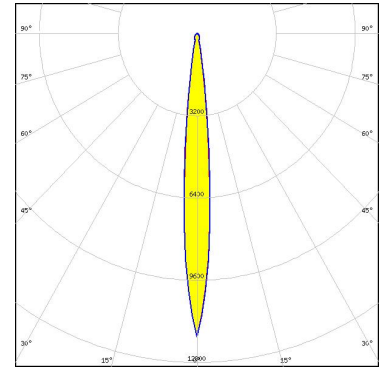
Bender Wirth: 634a Bayonet35L

Light distribution files

OPTICAL RESULTS (SIMULATED):



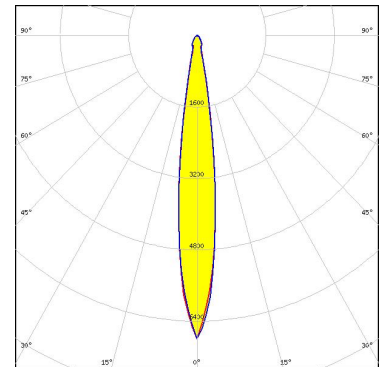
LED LUXEON CX Plus CoB S01 (Gen2)
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 88 %
 Peak intensity 11.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15956_HEKLA-SOCKET-J



Light distribution files



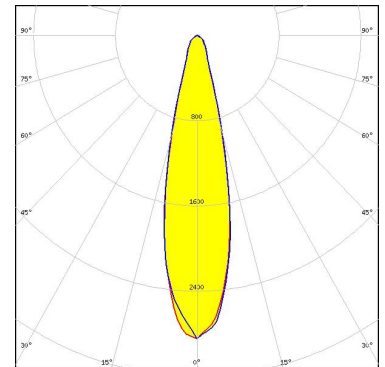
LED CHM-9 XH (19x19)
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 14.0° / 27.0°
 Efficiency 87 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED CTM-14 (Tunable White) Gen2
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 24.0° / 46.0°
 Efficiency 85 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



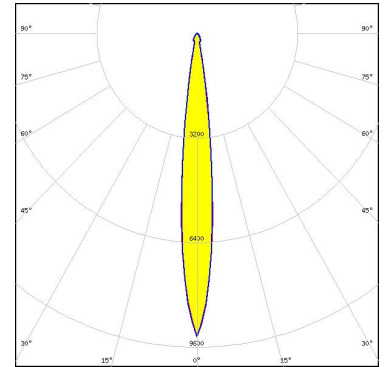
Light distribution files

Bender Wirth: 442 Typ L8

OPTICAL RESULTS (SIMULATED):



LED CTM-6 (Tunable White) Gen2
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 87 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

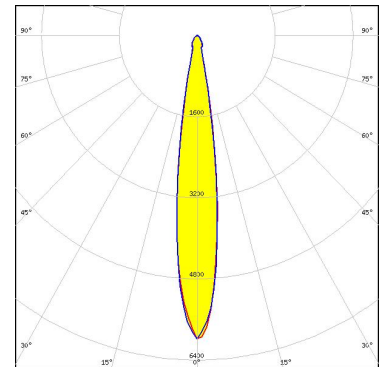


Light distribution files

Bender Wirth: 495 Typ L8



LED CTM-9 (Tunable White) Gen2
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 16.0° / 28.0°
 Efficiency 86 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

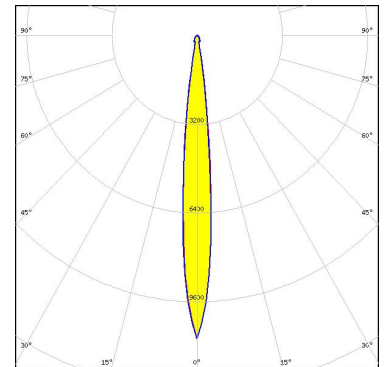


Light distribution files

Bender Wirth: 495 Typ L8



LED CxM-6 (13.5x13.5)
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 11.0° / 20.0°
 Efficiency 87 %
 Peak intensity 10.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



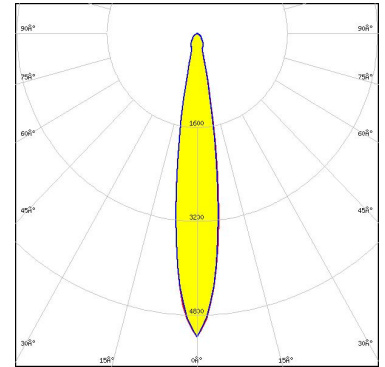
Light distribution files

BJB: 47.360.1020

OPTICAL RESULTS (SIMULATED):



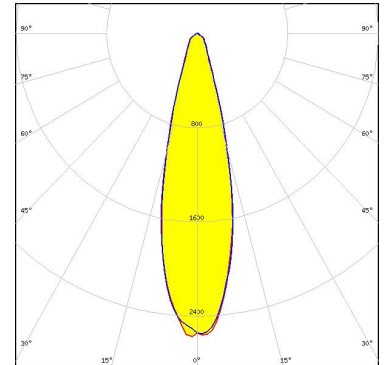
LED CxM-9 (13.5x13.5)
 Ordering code CP19160_AMY-50-RS-B2-WHT
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 88 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C18968_SOCKET-B-35-C



Light distribution files



LED COB J-Type
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 27.0° / 50.0°
 Efficiency 86 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

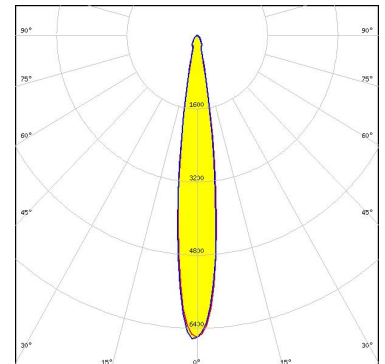


Bender Wirth: 663a Hekla XL

Light distribution files



LED COB L-Type (LES 9)
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 87 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

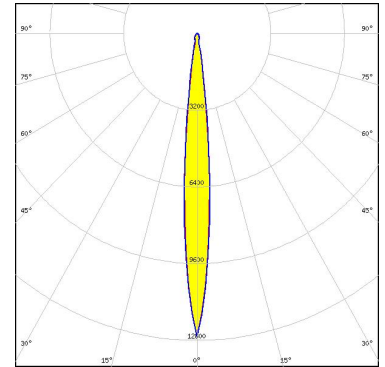


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 6)
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 88 %
 Peak intensity 12.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

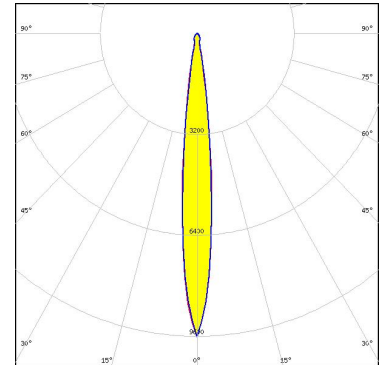


Bender Wirth: 652a Bayonet35L

Light distribution files



LED COB S-Type (LES 7)
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 84 %
 Peak intensity 9.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

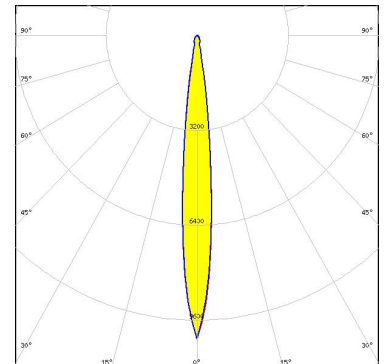


Bender Wirth: 652a Hekla

Light distribution files



LED COB S-Type (LES 7)
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 88 %
 Peak intensity 10.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



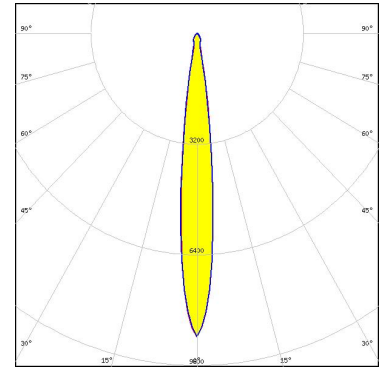
Bender Wirth: 652a Bayonet35L

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED NJCWL024Z-V1MT: COB L-Type Tunable White
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 86 %
 Peak intensity 8.8 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

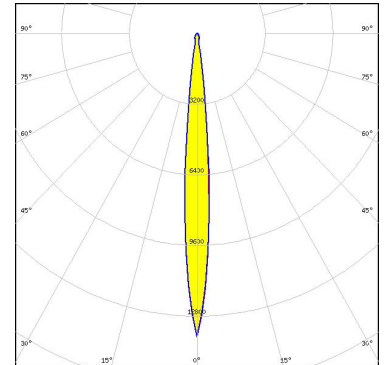


Light distribution files

Bender Wirth: 497 Typ L8 HV



LED NJNWS012Z-V1MT: COB S-Type Tunable White
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 87 %
 Peak intensity 13.7 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

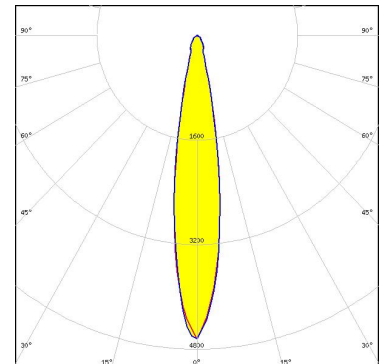


Light distribution files

Bender Wirth: 495 Typ L8 HV



LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 18.0° / 34.0°
 Efficiency 85 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



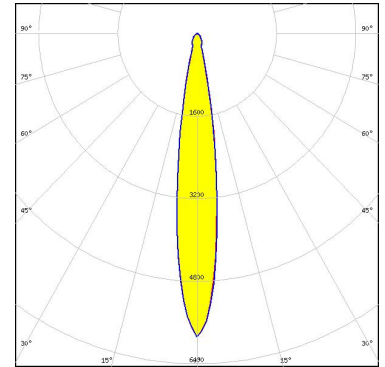
Light distribution files

Bender Wirth: 498 Typ L8 HV

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 86 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

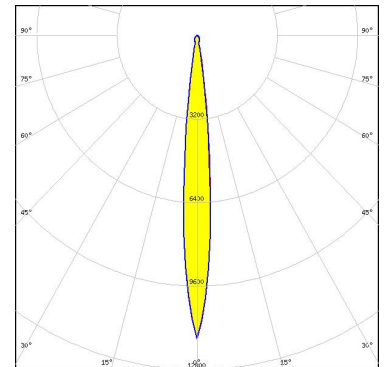


BJB: 47.360.1020

Light distribution files

SAMSUNG

LED LC010C G2
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 87 %
 Peak intensity 11.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

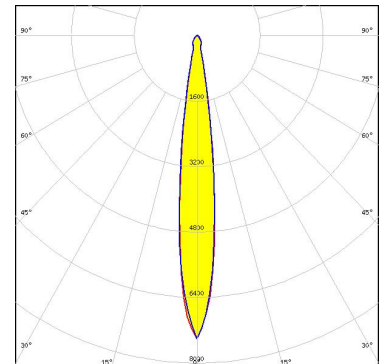


BJB: 47.360.1020

Light distribution files

SAMSUNG

LED LC010T (Tunable White)
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 86 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



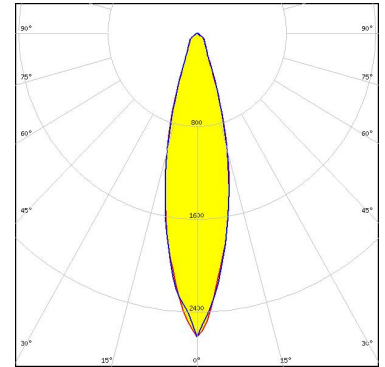
Bender Wirth: 501 Typ L8

Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 83 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

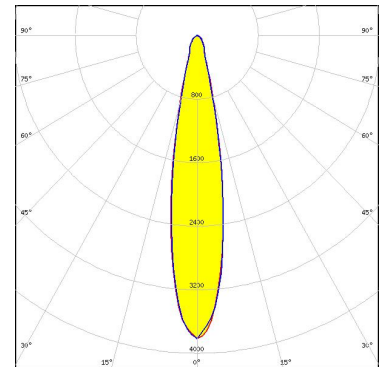


BJB: 47.360.1010

Light distribution files

SAMSUNG

LED LC030C/040C G2
 Ordering code CP19140_AMY-50-RS-B2
 FWHM / FWTM 20.0° / 39.0°
 Efficiency 84 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

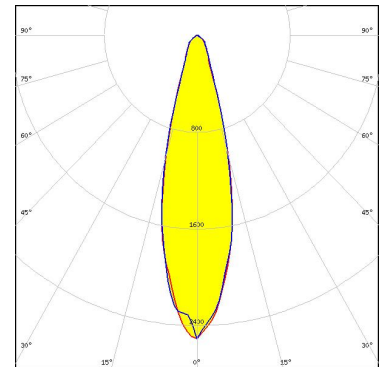


BJB: 47.360.1010

Light distribution files



LED MJT COB LES 14.5
 Ordering code CP19131_AMY-50-RS-C2
 FWHM / FWTM 26.0° / 51.0°
 Efficiency 85 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

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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