

AMY-50-O

~20 + 50° oval beam

SPECIFICATION:

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

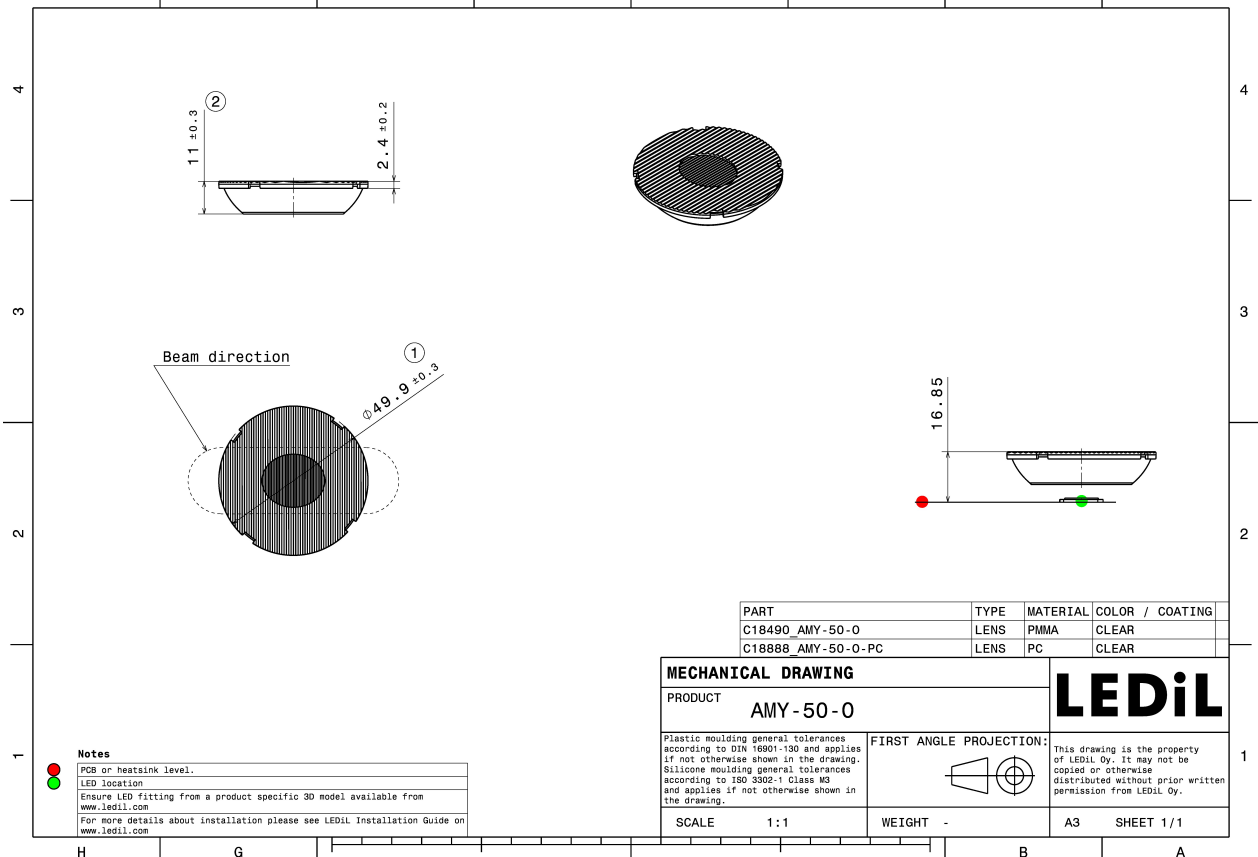
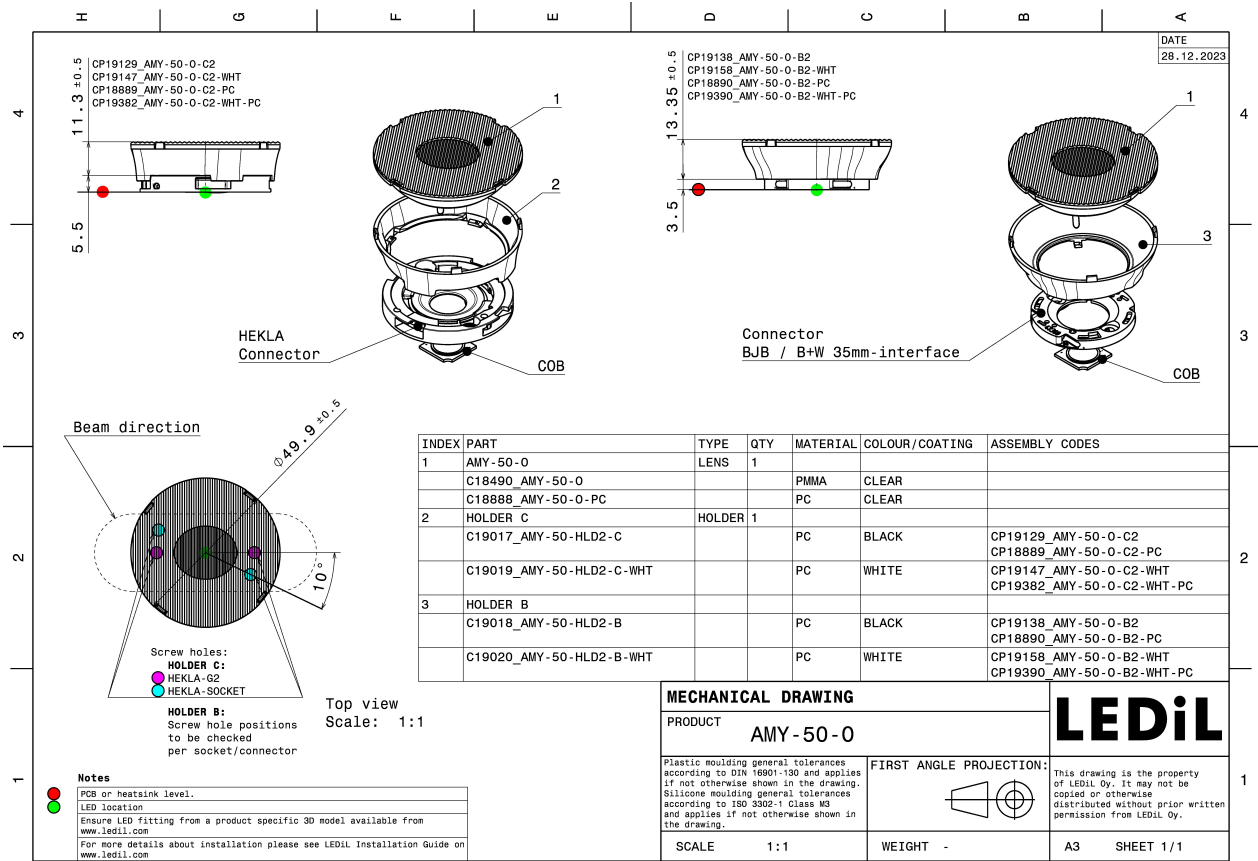
MATERIALS:

Component	Type	Material	Colour	Finish
AMY-50-O	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)
C18490_AMY-50-O	690	120	30	9.7
Assembly				
CP19158_AMY-50-O-B2-WHT	510	120	30	8.9
CP19147_AMY-50-O-C2-WHT	510	120	30	8.5
CP19138_AMY-50-O-B2	510	120	30	8.9
CP19129_AMY-50-O-C2	510	120	30	8.5

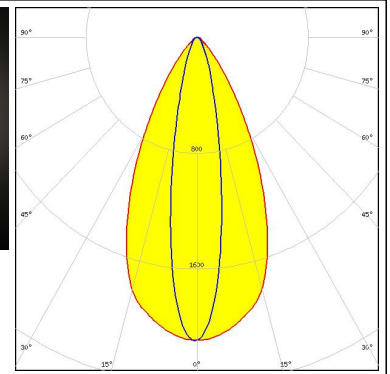
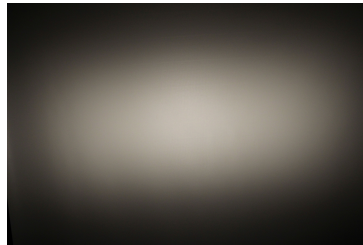


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

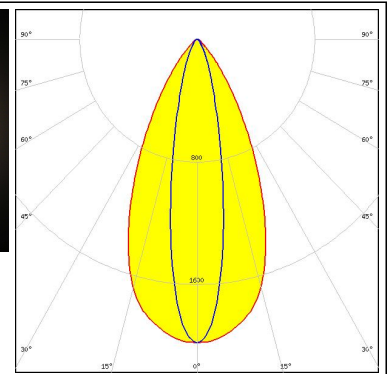
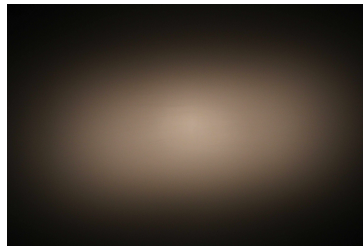
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19147_AMY-50-O-C2-WHT
 FWHM / FWTM 52.0 + 20.0° / 84.0 + 47.0°
 Efficiency 95 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



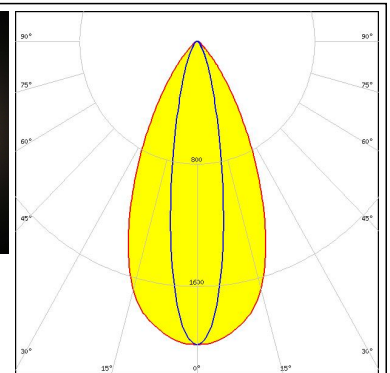
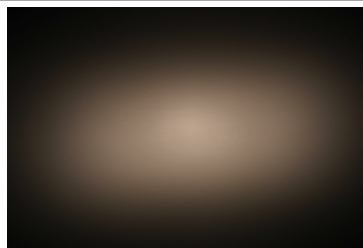
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19129_AMY-50-O-C2
 FWHM / FWTM 51.0 + 21.0° / 83.0 + 48.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



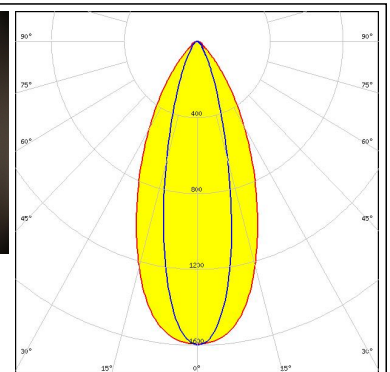
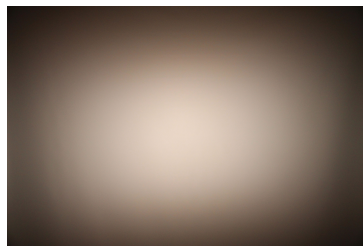
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19138_AMY-50-O-B2
 FWHM / FWTM 51.0 + 21.0° / 83.0 + 48.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1020



LUMINUS

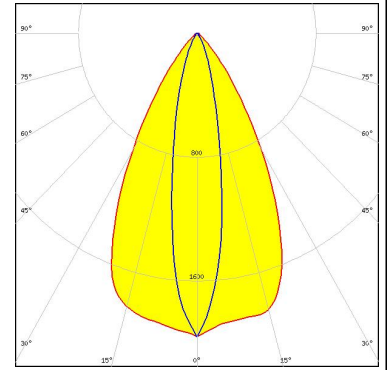
LED CTM-14 (Tunable White) Gen2
 Ordering code CP19129_AMY-50-O-C2
 FWHM / FWTM 47.0 + 26.0° / 87.0 + 56.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



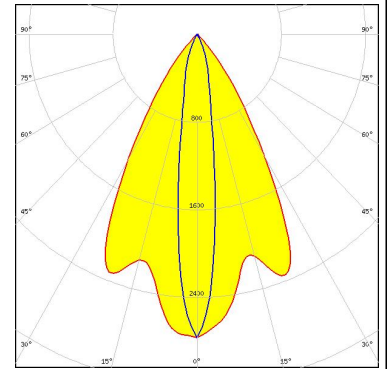
OPTICAL RESULTS (SIMULATED):



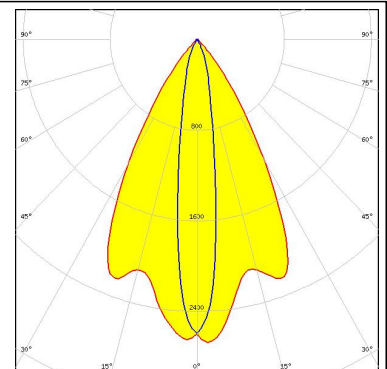
LED V10 Gen 8-9
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 57.0 + 20.0° / 85.0 + 45.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020



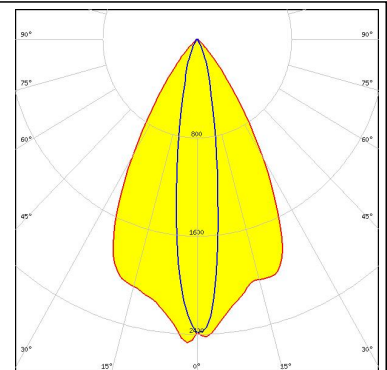
LED V3 HD Gen 8
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 58.0 + 14.0° / 82.0 + 40.0°
Efficiency 92 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15253_HEKLA-SOCKET-A



LED V4 HD Gen 8
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 58.0 + 16.0° / 82.0 + 40.0°
Efficiency 92 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15253_HEKLA-SOCKET-A



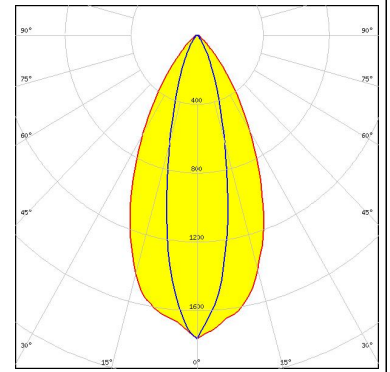
LED V6 HD Gen 8
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 58.0 + 16.0° / 83.0 + 41.0°
Efficiency 91 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15255_HEKLA-SOCKET-C



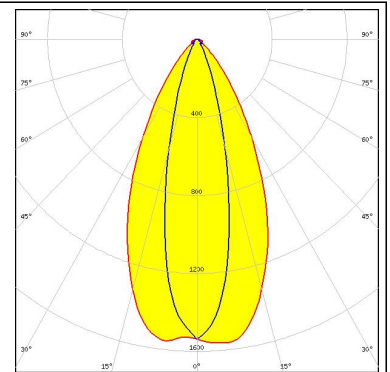
OPTICAL RESULTS (SIMULATED):



LED VERO13
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 51.0 + 24.0° / 86.0 + 54.0°
Efficiency 88 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C16142_HEKLA-SOCKET-K

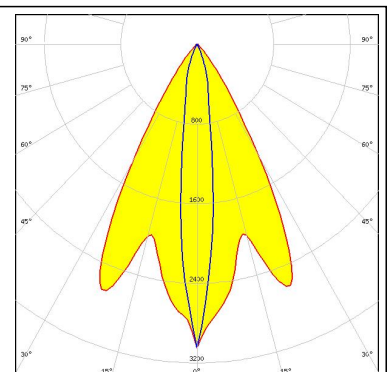


LED Vesta SE 13mm TW
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 52.0 + 26.0° / 88.0 + 50.0°
Efficiency 81 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K



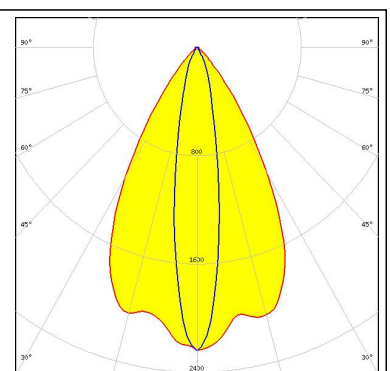
CITIZEN

LED CLU700/701/702/703
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 12.0° / 78.0 + 38.0°
Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020



CITIZEN

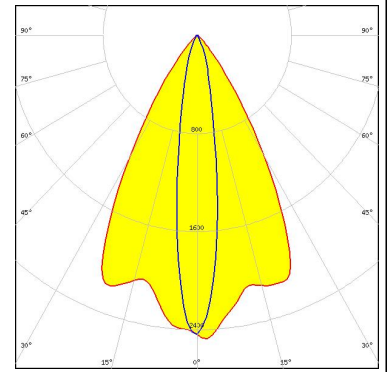
LED CLU700/701/702/703
Ordering code C18490_AMY-50-O
FWHM / FWTM 60.0 + 18.0° / 86.0 + 43.0°
Efficiency 92 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



OPTICAL RESULTS (SIMULATED):

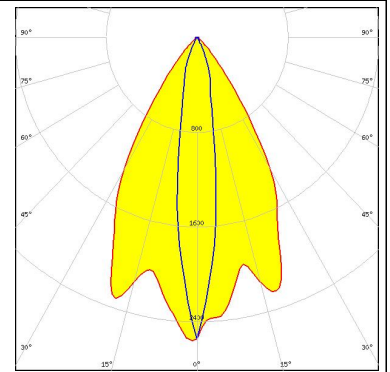
CITIZEN

LED CLU700/701/702/703
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 58.0 + 16.0° / 82.0 + 40.0°
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



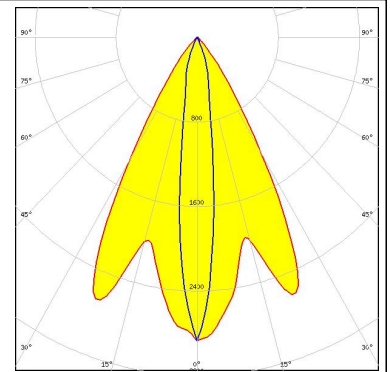
CITIZEN

LED CLU7B2
Ordering code C18490_AMY-50-O
FWHM / FWTM 60.0 + 16.0° / 84.0 + 44.0°
Efficiency 93 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



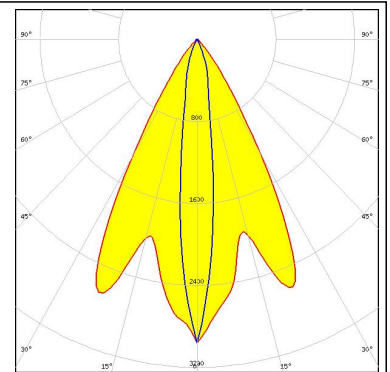
CITIZEN

LED CLU7B2
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 58.0 + 14.0° / 79.0 + 38.0°
Efficiency 90 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



CITIZEN

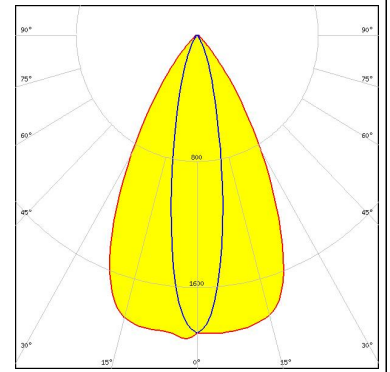
LED CLU7B2
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 14.0° / 78.0 + 38.0°
Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1020



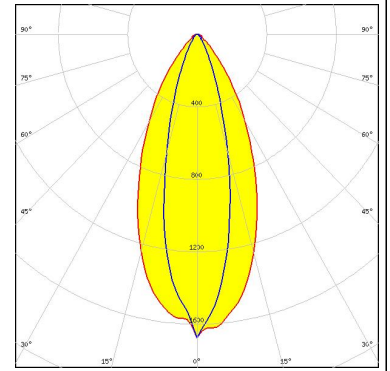
OPTICAL RESULTS (SIMULATED):



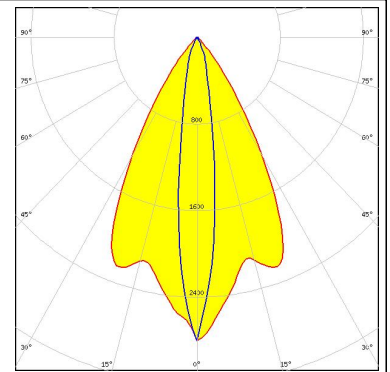
LED CMU10xx
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 20.0° / 84.0 + 46.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1020



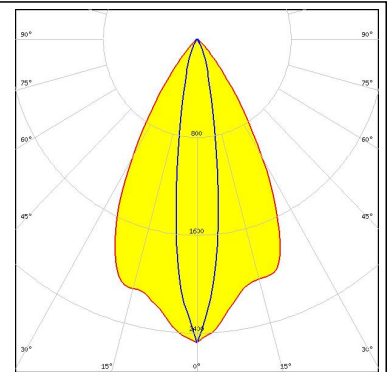
LED LUXEON CX Plus CoB L08 (Gen2)
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 47.0 + 26.0° / 86.0 + 54.0°
Efficiency 87 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 637a Hekla



LED LUXEON CX Plus CoB - HD S01H4
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 14.0° / 82.0 + 36.0°
Efficiency 91 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Bayonet35L



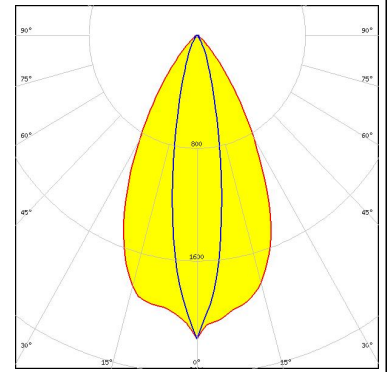
LED LUXEON CX Plus CoB - HD S02H6
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 16.0° / 83.0 + 40.0°
Efficiency 91 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Bayonet35L



OPTICAL RESULTS (SIMULATED):

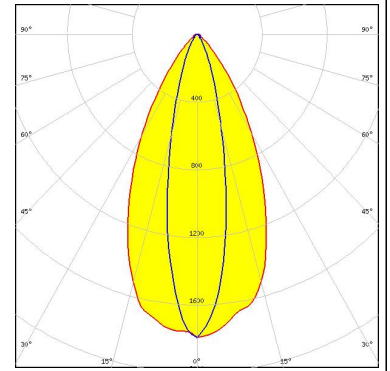
LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9
 Ordering code CP19138_AMY-50-O-B2
 FWHM / FWTM 54.0 + 20.0° / 84.0 + 44.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



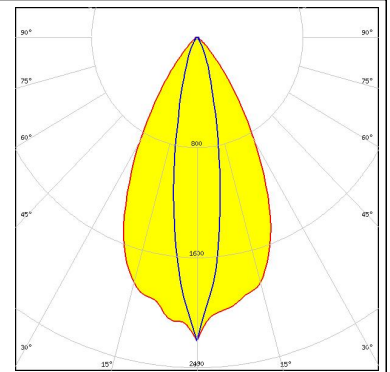
LUMILEDS

LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 Ordering code CP19129_AMY-50-O-C2
 FWHM / FWTM 52.0 + 23.0° / 86.0 + 50.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



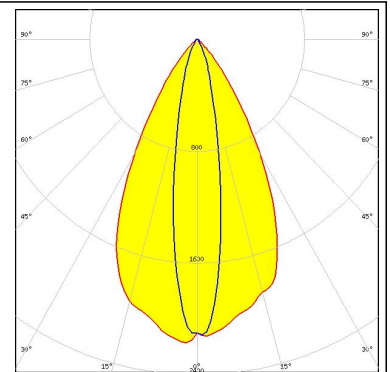
LUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 Ordering code CP19129_AMY-50-O-C2
 FWHM / FWTM 54.0 + 18.0° / 84.0 + 44.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



LUMINUS

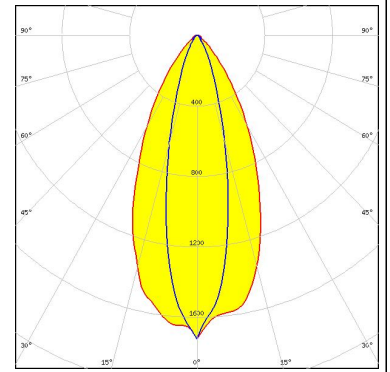
LED CHM-11 XH (19x19)
 Ordering code CP19129_AMY-50-O-C2
 FWHM / FWTM 56.0 + 18.0° / 84.0 + 44.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



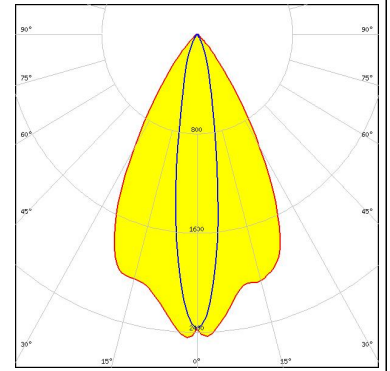
OPTICAL RESULTS (SIMULATED):



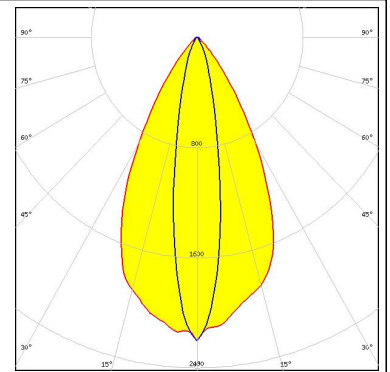
LED CTM-14 (Tunable White) Gen2
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 48.0 + 24.0° / 86.0 + 52.0°
Efficiency 86 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



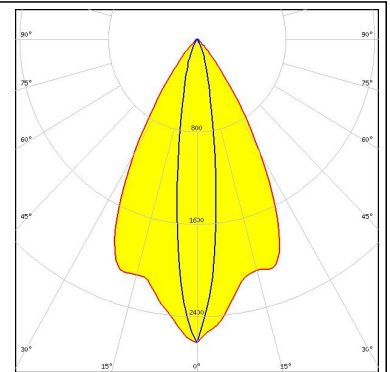
LED CTM-6 (Tunable White) Gen2
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 57.0 + 16.0° / 82.0 + 41.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 495 Typ L8



LED CTM-9 (Tunable White) Gen2
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 54.0 + 18.0° / 82.0 + 43.0°
Efficiency 88 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 495 Typ L8



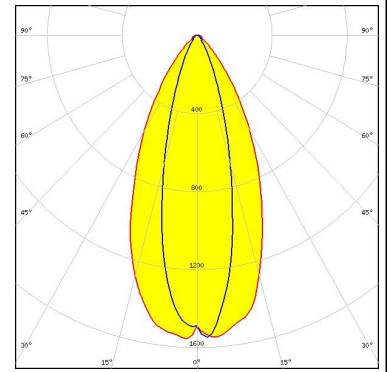
LED CxM-6 (13.5x13.5)
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 56.0 + 15.0° / 82.0 + 38.0°
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020



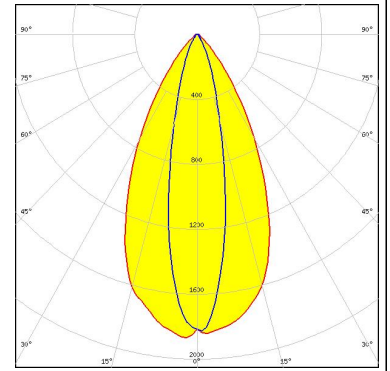
OPTICAL RESULTS (SIMULATED):



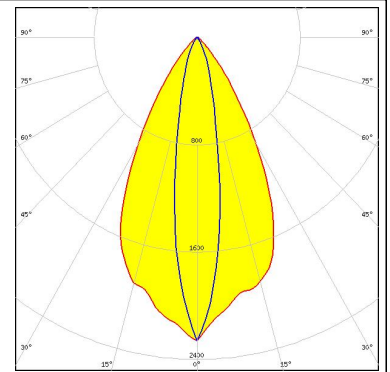
LED COB J-Type
Ordering code CP19126_AMY-50-WW-C2
FWHM / FWTM 50.0 + 28.0° / 88.0 + 56.0°
Efficiency 87 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



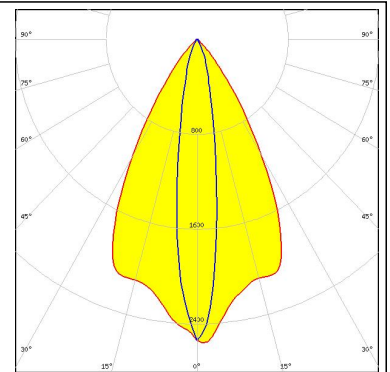
LED COB L-Type (LES 11)
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 54.0 + 22.0° / 86.0 + 49.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15858_HEKLA-SOCKET-H



LED COB L-Type (LES 9)
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 55.0 + 18.0° / 84.0 + 43.0°
Efficiency 90 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15858_HEKLA-SOCKET-H



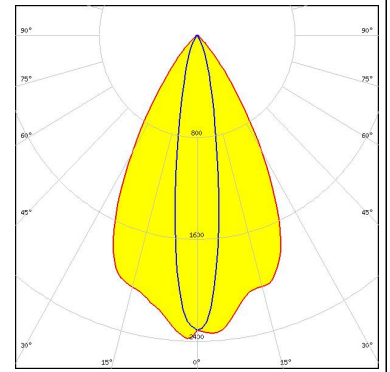
LED COB S-Type (LES 6)
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 16.0° / 82.0 + 40.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L



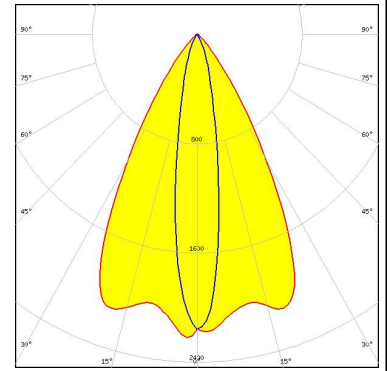
OPTICAL RESULTS (SIMULATED):



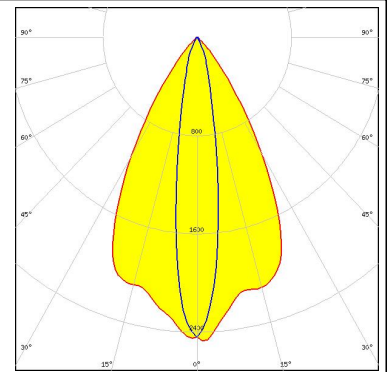
LED COB S-Type (LES 7)
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 18.0° / 84.0 + 42.0°
Efficiency 90 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L



LED COB S-Type (LES 7)
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 59.0 + 18.0° / 82.0 + 41.0°
Efficiency 88 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Hekla



LED COB T-Type
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 16.0° / 84.0 + 40.0°
Efficiency 91 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L

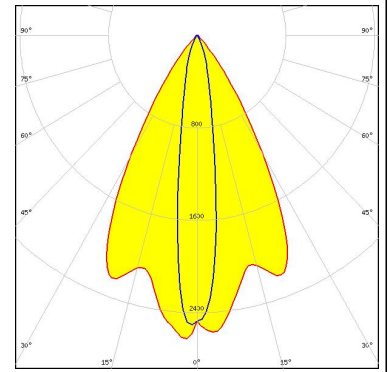


LED NJCWL024Z-V1MT: COB L-Type Tunable White
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 57.0 + 16.0° / 82.0 + 40.0°
Efficiency 89 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 497 Typ L8 HV

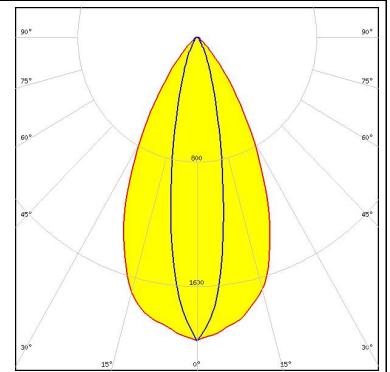
OPTICAL RESULTS (SIMULATED):



LED NJNWS012Z-V1MT: COB S-Type Tunable White
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 58.0 + 16.0° / 80.0 + 40.0°
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 495 Typ L8 HV

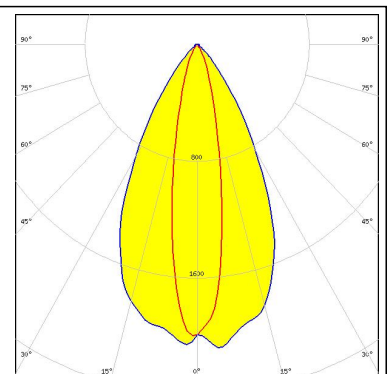


LED NVCWJ024Z-V1MT: COB J-Type Tunable White
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 54.0 + 20.0° / 84.0 + 47.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 498 Typ L8 HV



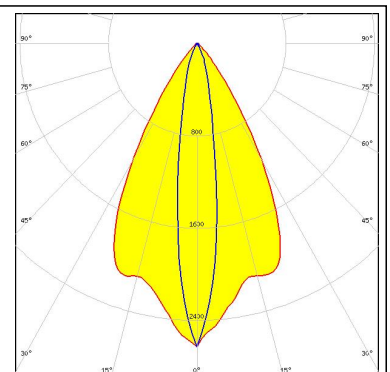
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 55.0 + 20.0° / 84.0 + 45.0°
Efficiency 89 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1020



SAMSUNG

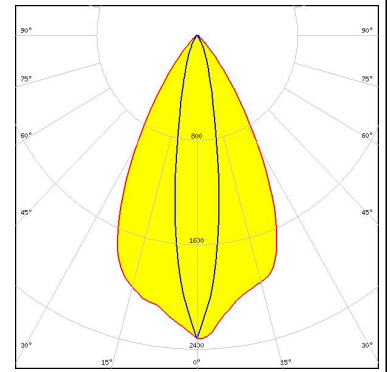
LED LC010C G2
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 58.0 + 16.0° / 81.0 + 38.0°
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1020



OPTICAL RESULTS (SIMULATED):

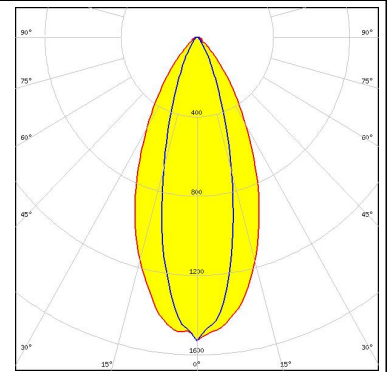
SAMSUNG

LED LC010T (Tunable White)
Ordering code CP19129_AMY-50-O-C2
FWHM / FWTM 56.0 + 18.0° / 82.0 + 42.0°
Efficiency 89 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 501 Typ L8



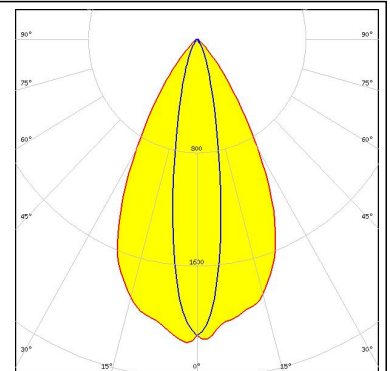
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 48.0 + 28.0° / 87.0 + 57.0°
Efficiency 83 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



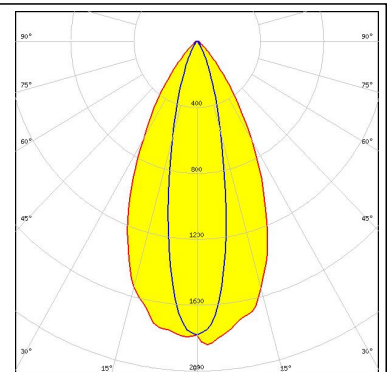
SAMSUNG

LED LC020C G2
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 56.0 + 19.0° / 84.0 + 44.0°
Efficiency 88 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



SAMSUNG

LED LC030C/040C G2
Ordering code CP19138_AMY-50-O-B2
FWHM / FWTM 52.0 + 23.0° / 84.0 + 50.0°
Efficiency 86 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



OPTICAL RESULTS (SIMULATED):



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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