

AMY-70-O

~25 + 60° oval beam

SPECIFICATION:

Dimensions	Ø 69.9 mm
Height	13 mm
Fastening	socket
ROHS compliant	yes ⓘ

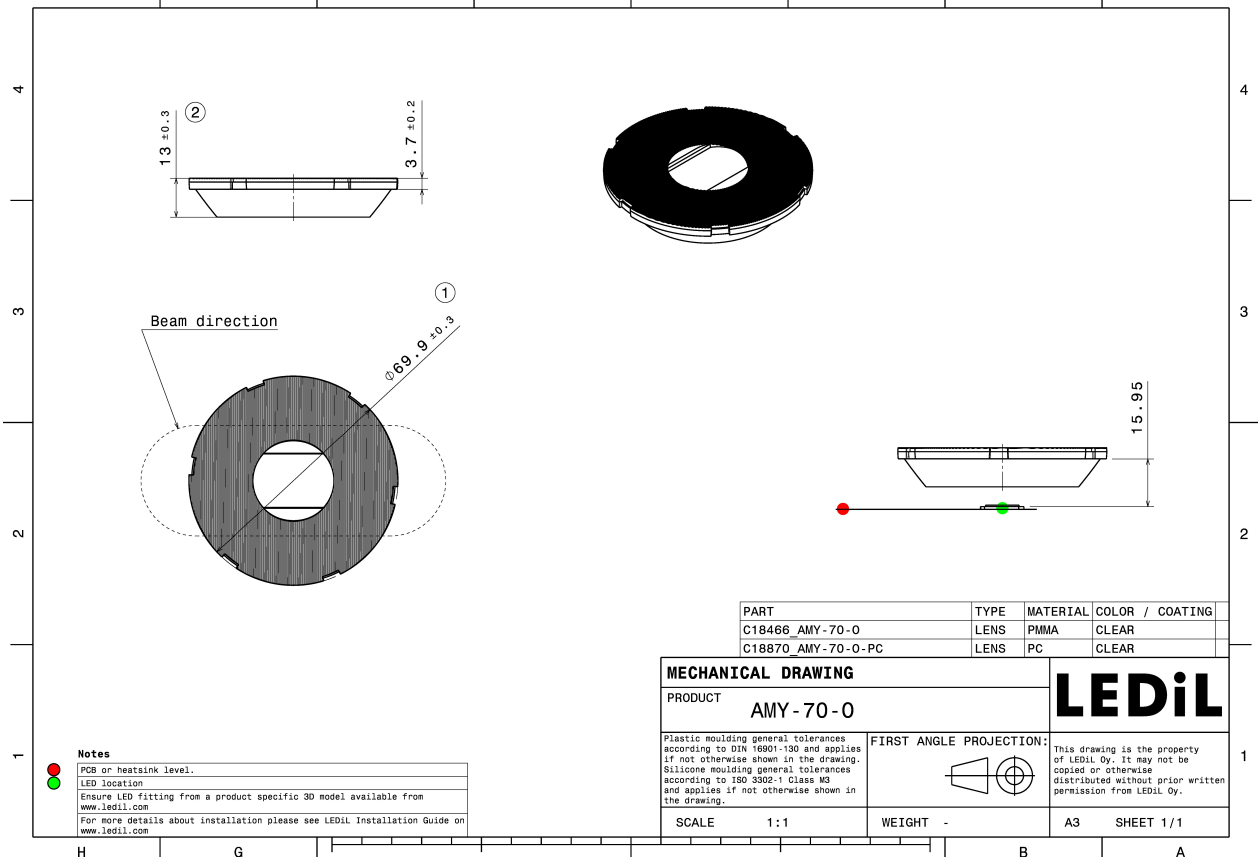
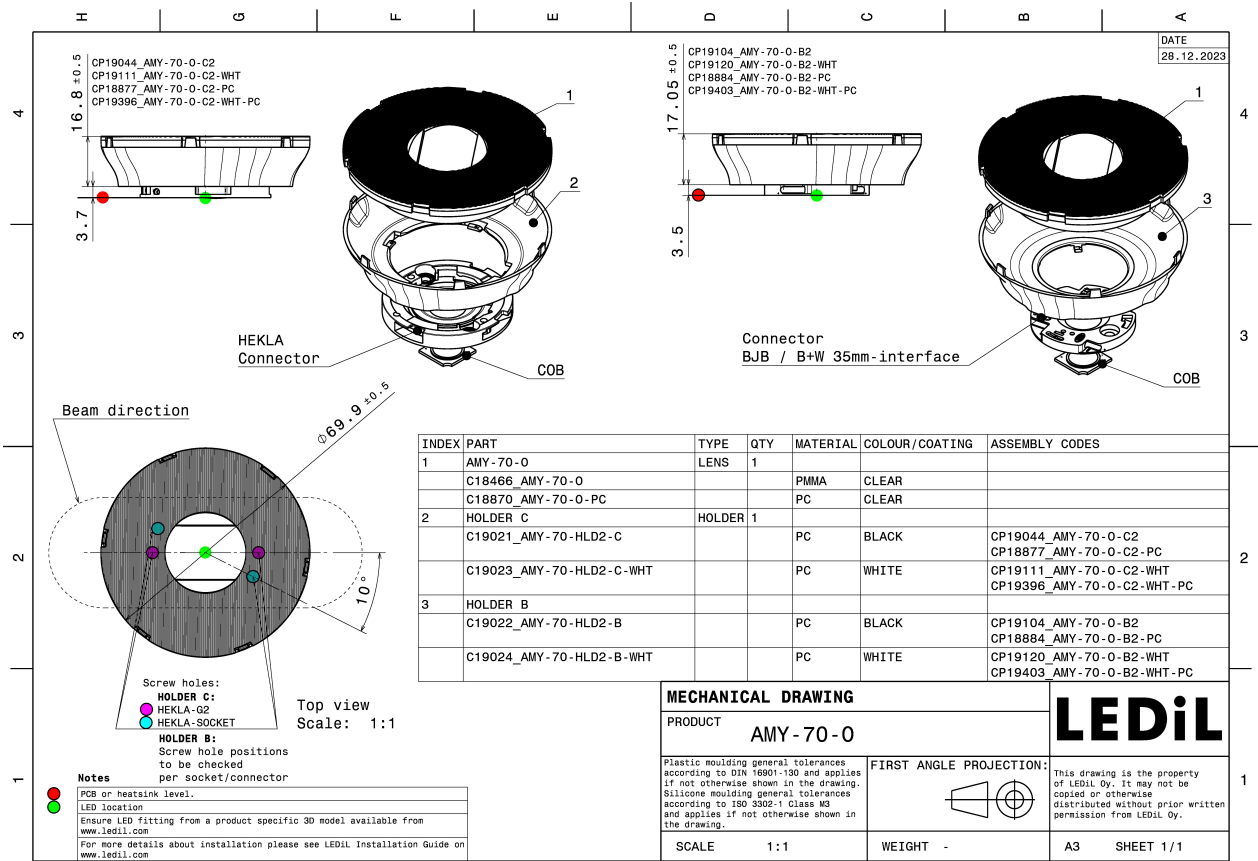
MATERIALS:

Component	Type	Material	Colour	Finish
AMY-70-O	Single lens	PMMA		
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	



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18466_AMY-70-O	285	285	15	9.8
Assembly				
CP19120_AMY-70-O-B2-WHT	210	210	15	9.1
CP19111_AMY-70-O-C2-WHT	210	210	15	8.9
CP19104_AMY-70-O-B2	210	210	15	9.1
CP19044_AMY-70-O-C2	210	210	15	8.9




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

OPTICAL RESULTS (MEASURED):

bridgelux.

LED V13 Gen 8-9
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 60.0 + 23.0° / 96.0 + 53.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



bridgelux.

LED V9 HD Gen7
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 15.0 + 62.0° / 38.0 + 93.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I




CITIZEN

LED CLL03x/CLU03x
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 23.0 + 63.0° / 52.0 + 97.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I




CITIZEN

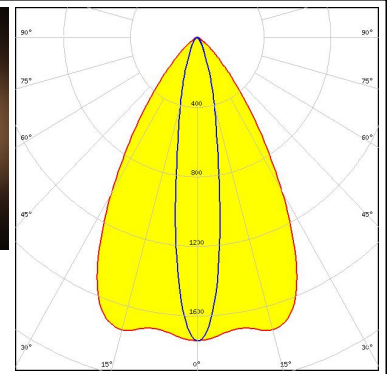
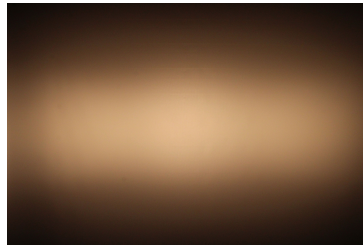
LED CLU712/713
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 64.0 + 15.0° / 94.0 + 38.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



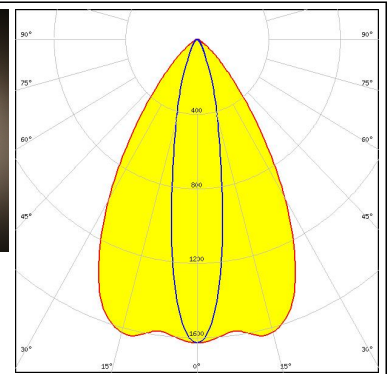
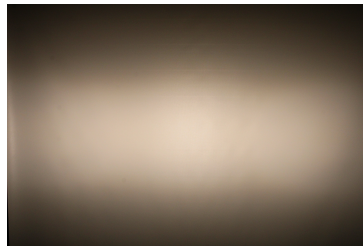

OPTICAL RESULTS (MEASURED):

CITIZEN

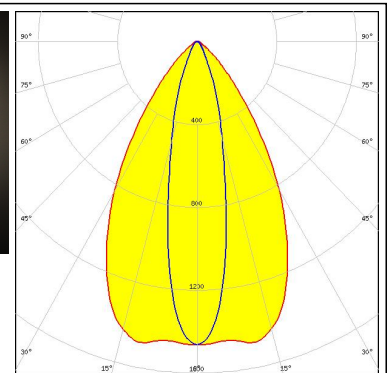
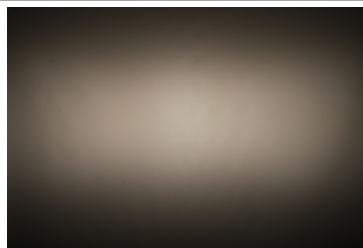
LED CLU720/721/723
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 63.0 + 18.0° / 94.0 + 43.0°
 Efficiency 83 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



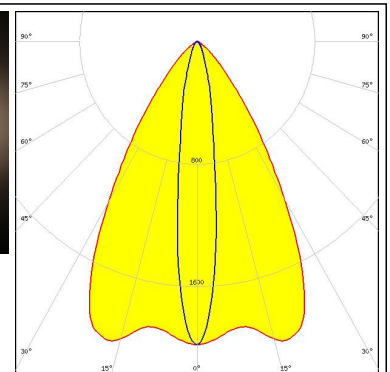
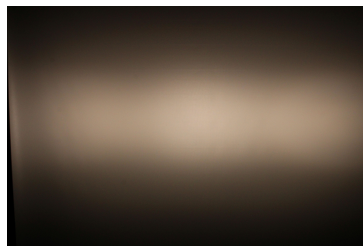
LED CMA1825
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 65.0 + 20.0° / 97.0 + 47.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



LED CMT19xx
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 63.0 + 23.0° / 97.0 + 52.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



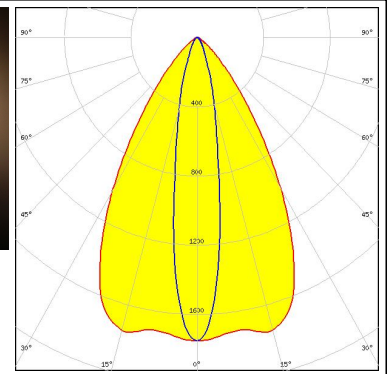
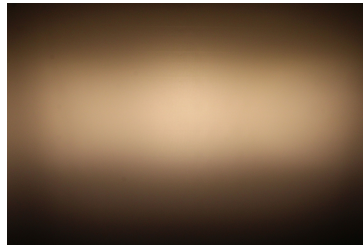
LED LUXEON CoB 1204HD
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 63.0 + 15.0° / 93.0 + 39.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



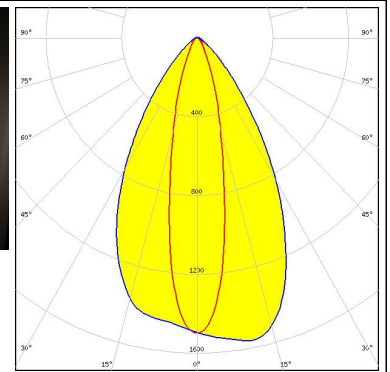
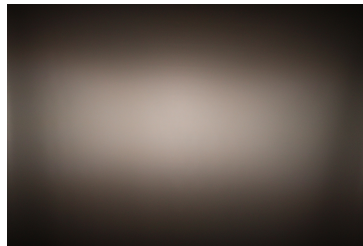
OPTICAL RESULTS (MEASURED):



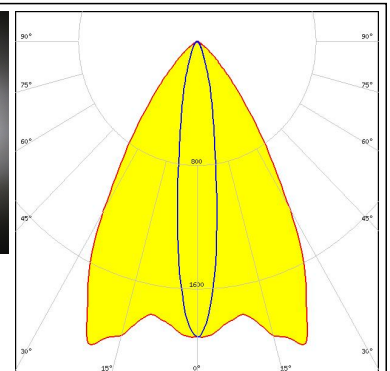
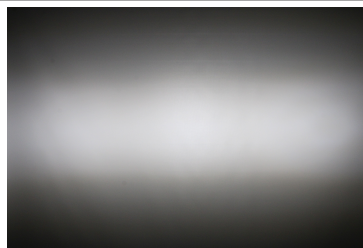
LED LUXEON CoB 1205HD
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 18.0° / 94.0 + 44.0°
Efficiency 85 %
LEDs/each optic 1
Light colour White
Required components:
 F17437_HEKLA-G2-H



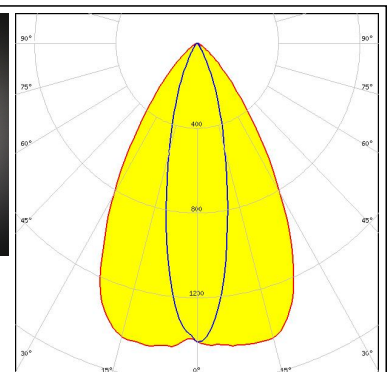
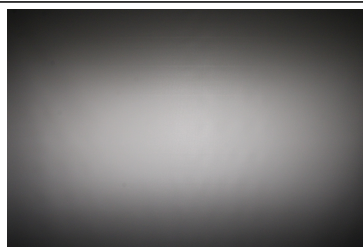
LED CTM-14 (Tunable White) Gen2
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 22.0 + 61.0° / 51.0 + 95.0°
Efficiency 85 %
LEDs/each optic 1
Light colour White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



LED LC003D / LC006D / LC009D / LC013D
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 63.0 + 16.0° / 93.0 + 40.0°
Efficiency 86 %
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



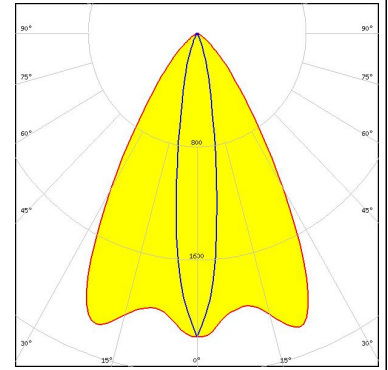
LED LC016D / LC019D / LC026D / LC033D
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 24.0° / 98.0 + 54.0°
Efficiency 85 %
LEDs/each optic 1
Light colour White
Required components:
 F17438_HEKLA-G2-I



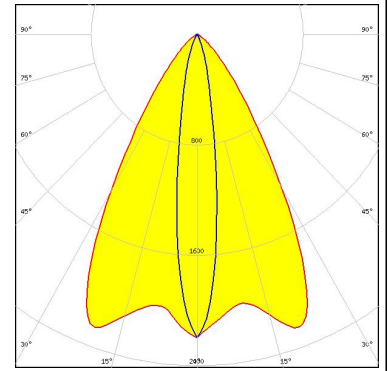
OPTICAL RESULTS (SIMULATED):



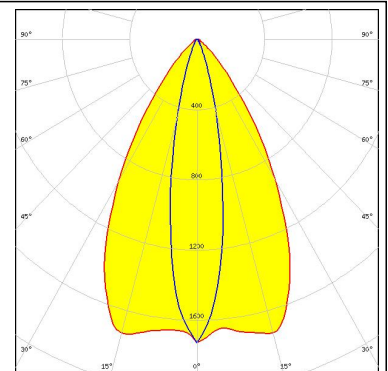
LED V10 Gen 8-9
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 16.0° / 94.0 + 37.0°
Efficiency 88 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15255_HEKLA-SOCKET-C



LED V10 Gen 8-9
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 62.0 + 16.0° / 91.0 + 37.0°
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020

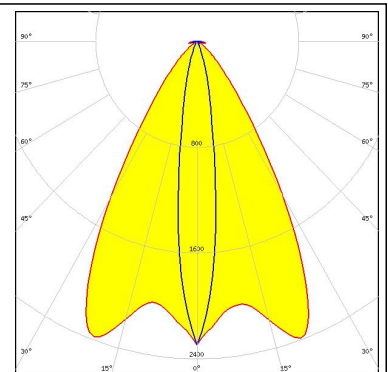


LED Vesta SE 13mm TW
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 20.0° / 92.0 + 42.0°
Efficiency 84 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K



CITIZEN

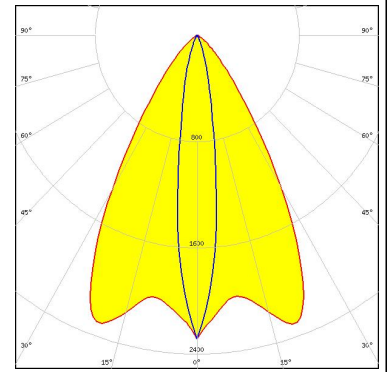
LED CLL02x/CLU02x (LES10)
Ordering code C18466_AMY-70-O
FWHM / FWTM 62.0 + 14.0° / 90.0 + 35.0°
Efficiency 94 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

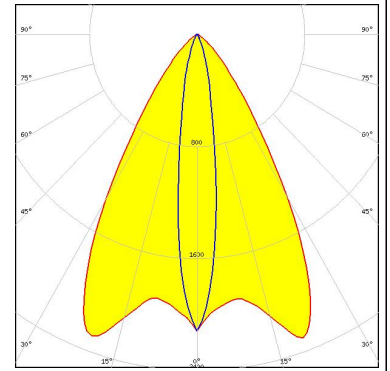
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19104_AMY-70-O-B2
 FWHM / FWTM 62.0 + 16.0° / 92.0 + 36.0°
 Efficiency 89 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1020



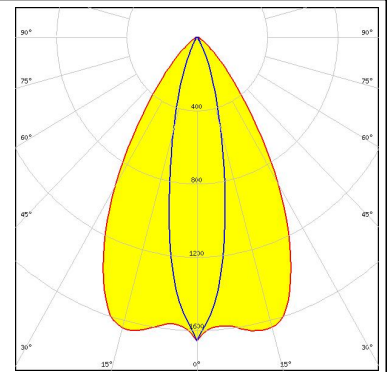
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 62.0 + 16.0° / 92.0 + 36.0°
 Efficiency 86 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



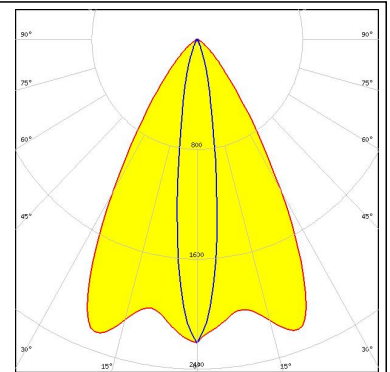
CITIZEN

LED CLL03x/CLU03x
 Ordering code CP19104_AMY-70-O-B2
 FWHM / FWTM 62.0 + 22.0° / 94.0 + 48.0°
 Efficiency 87 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1010



CREE^{LEDs}

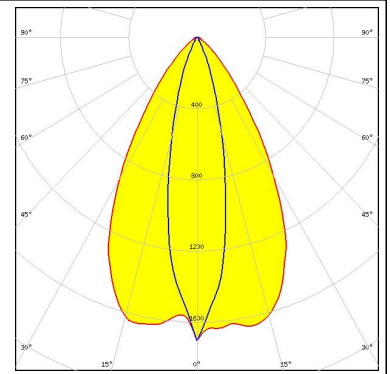
LED CMU10xx
 Ordering code CP19104_AMY-70-O-B2
 FWHM / FWTM 62.0 + 16.0° / 91.0 + 36.0°
 Efficiency 89 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1020



OPTICAL RESULTS (SIMULATED):

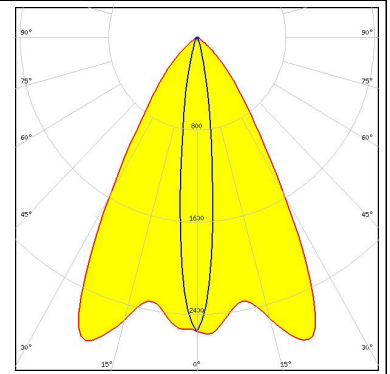
LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 62.0 + 22.0° / 94.0 + 47.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



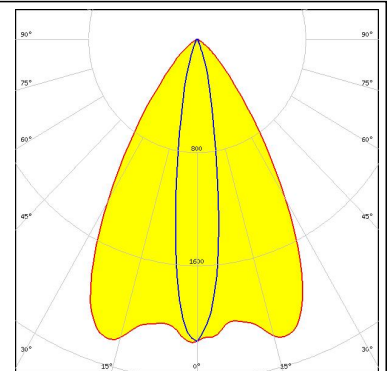
LUMILEDS

LED LUXEON CX Plus CoB - HD S02H6
 Ordering code CP19104_AMY-70-O-B2
 FWHM / FWTM 62.0 + 13.0° / 93.0 + 30.0°
 Efficiency 91 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



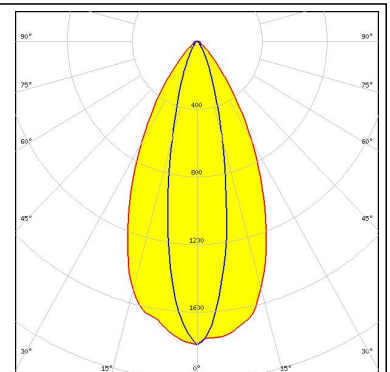
LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9
 Ordering code CP19104_AMY-70-O-B2
 FWHM / FWTM 64.0 + 16.0° / 94.0 + 36.0°
 Efficiency 91 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634a Bayonet35L



LUMILEDS

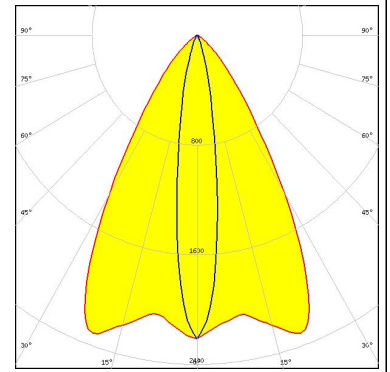
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 Ordering code CP19129_AMY-50-O-C2
 FWHM / FWTM 52.0 + 23.0° / 86.0 + 50.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



OPTICAL RESULTS (SIMULATED):

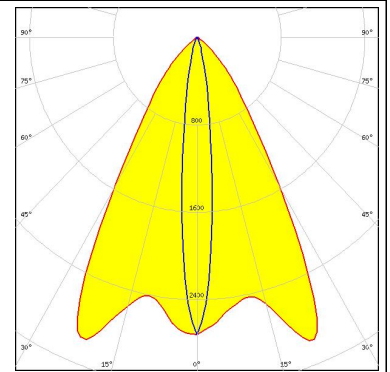
LUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 62.0 + 16.0° / 93.0 + 35.0°
 Efficiency 91 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



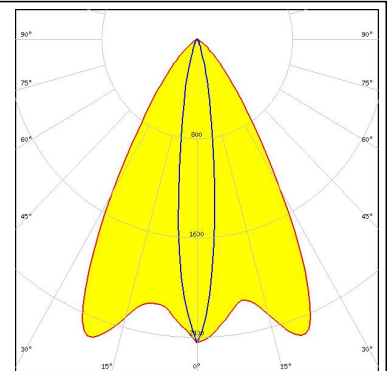
LUMILEDS

LED LUXEON CX Plus CoB S01 (Gen2)
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 61.0 + 12.0° / 92.0 + 29.0°
 Efficiency 92 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



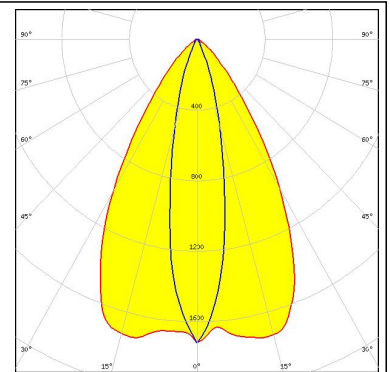
LUMINUS

LED CHM-11 XH (19x19)
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 62.0 + 14.0° / 92.0 + 34.0°
 Efficiency 92 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



LUMINUS

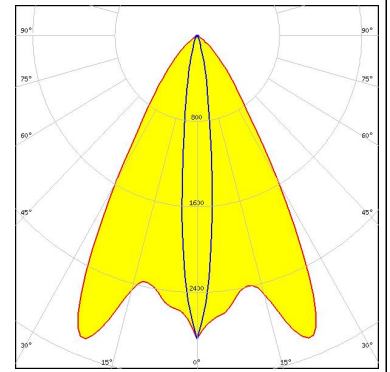
LED CTM-14 (Tunable White) Gen2
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 64.0 + 22.0° / 94.0 + 46.0°
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



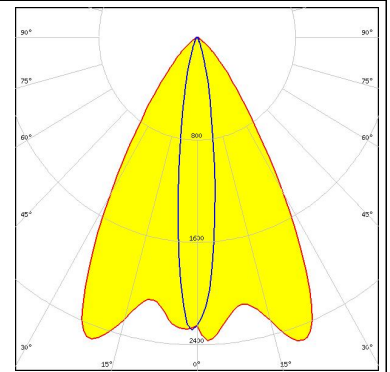
OPTICAL RESULTS (SIMULATED):



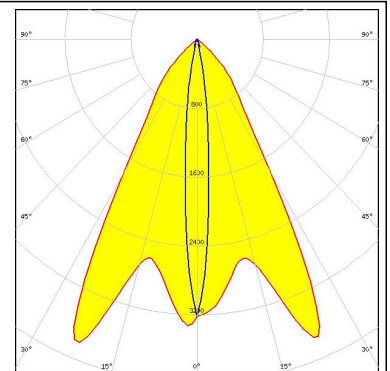
LED CTM-6 (Tunable White) Gen2
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 60.0 + 12.0° / 90.0 + 30.0°
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 495 Typ L8



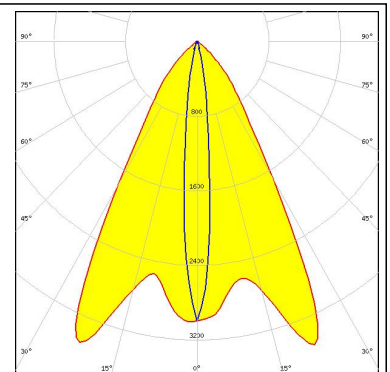
LED CTM-9 (Tunable White) Gen2
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 15.0° / 90.0 + 34.0°
Efficiency 91 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 495 Typ L8



LED CXM-3
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 59.0 + 10.0° / 92.0 + 24.0°
Efficiency 92 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 634a Bayonet35L



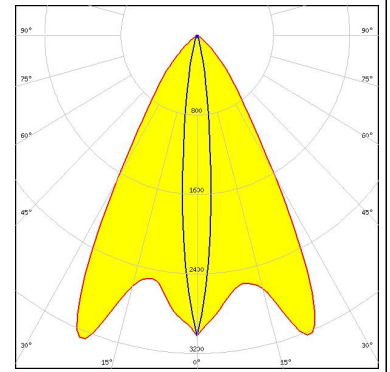
LED CXM-4
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 60.0 + 11.0° / 92.0 + 26.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 634a Bayonet35L



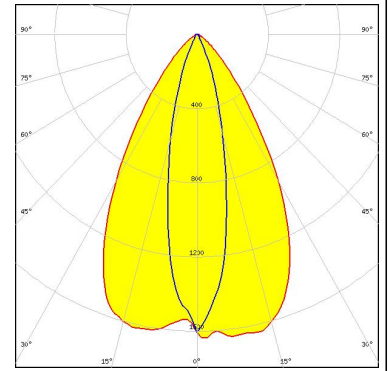
OPTICAL RESULTS (SIMULATED):



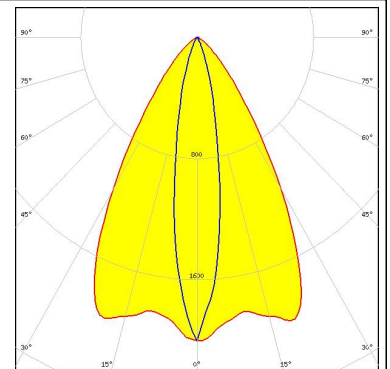
LED CxM-6 (13.5x13.5)
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 60.0 + 12.0° / 90.0 + 26.0°
Efficiency 91 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020



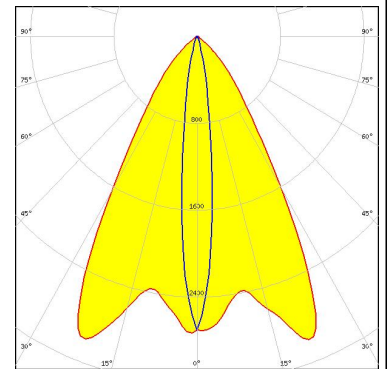
LED COB J-Type
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 24.0° / 96.0 + 48.0°
Efficiency 90 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 663a Hekla XL



LED COB L-Type (LES 11)
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 64.0 + 18.0° / 94.0 + 40.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15858_HEKLA-SOCKET-H



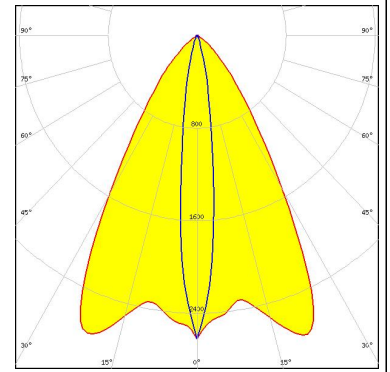
LED COB S-Type (LES 6)
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 62.0 + 12.0° / 94.0 + 28.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



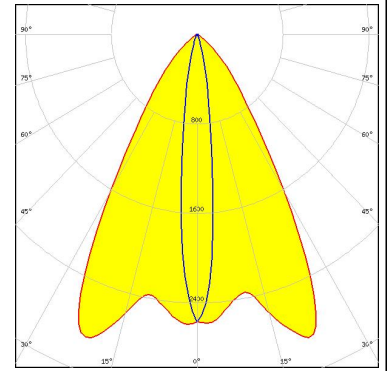
OPTICAL RESULTS (SIMULATED):



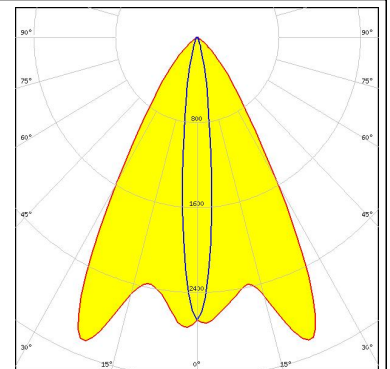
LED COB S-Type (LES 7)
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 62.0 + 13.0° / 94.0 + 30.0°
Efficiency 91 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L



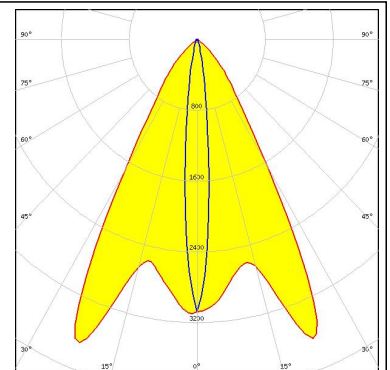
LED COB T-Type
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 62.0 + 13.0° / 94.0 + 30.0°
Efficiency 91 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652a Bayonet35L



LED NJCWL024Z-V1MT: COB L-Type Tunable White
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 60.0 + 12.0° / 88.0 + 30.0°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 497 Typ L8 HV



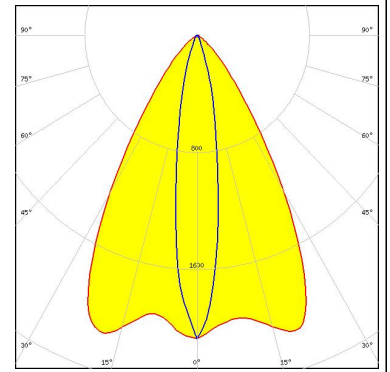
LED NJNWS012Z-V1MT: COB S-Type Tunable White
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 58.0 + 10.0° / 88.0 + 26.0°
Efficiency 92 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 495 Typ L8 HV



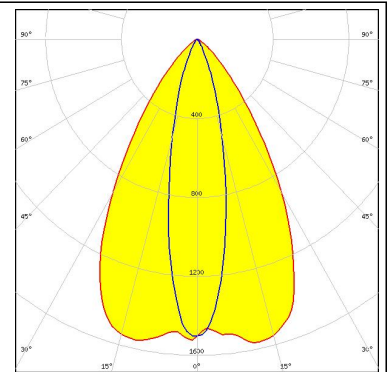
OPTICAL RESULTS (SIMULATED):



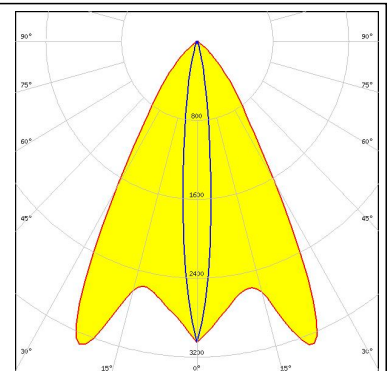
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 63.0 + 16.0° / 92.0 + 38.0°
Efficiency 91 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 498 Typ L8 HV



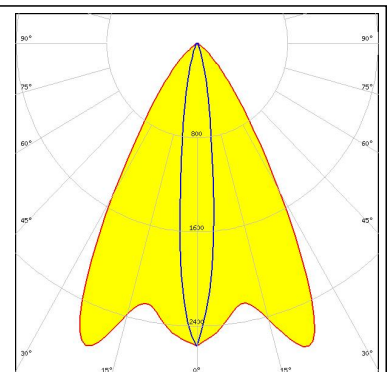
LED Fortimo SLM L15 CoB
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 63.0 + 23.0° / 95.0 + 48.0°
Efficiency 84 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 632a Hekla XL



LED LC010C G2
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 60.0 + 12.0° / 90.0 + 26.0°
Efficiency 91 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 BJB: 47.360.1020



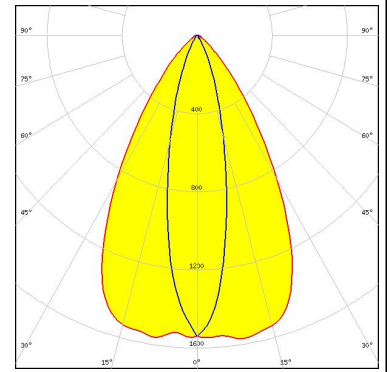
LED LC010T (Tunable White)
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 14.0° / 90.0 + 32.0°
Efficiency 92 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



OPTICAL RESULTS (SIMULATED):

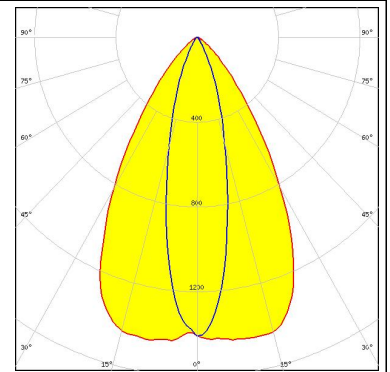
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 62.0 + 24.0° / 94.0 + 50.0°
Efficiency 86 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



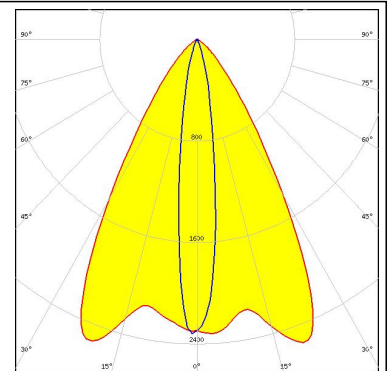
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 64.0 + 24.0° / 96.0 + 53.0°
Efficiency 84 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



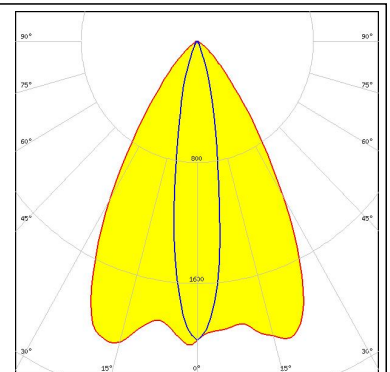
SAMSUNG

LED LC020C G2
Ordering code CP19104_AMY-70-O-B2
FWHM / FWTM 62.0 + 14.0° / 91.0 + 34.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
BJB: 47.360.1010



SAMSUNG

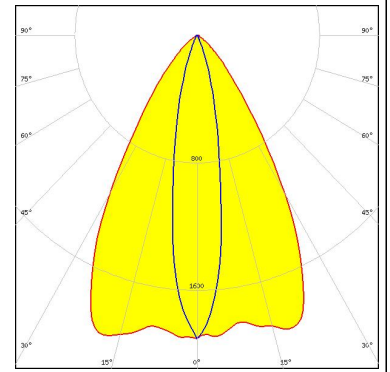
LED LC020T (Tunable white)
Ordering code CP19044_AMY-70-O-C2
FWHM / FWTM 62.0 + 18.0° / 92.0 + 40.0°
Efficiency 91 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 501 Typ L8



OPTICAL RESULTS (SIMULATED):

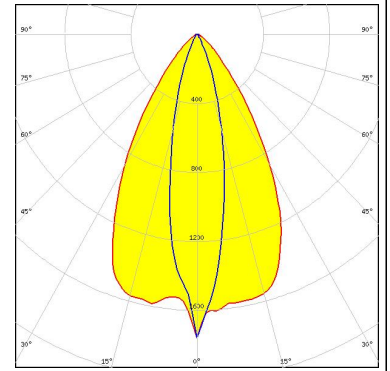
SAMSUNG

LED LC030C/040C G2
 Ordering code CP19104_AMY-70-O-B2
 FWHM / FWTM 63.0 + 19.0° / 94.0 + 40.0°
 Efficiency 89 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1010



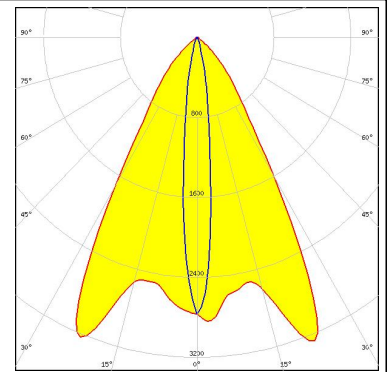
SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 60.0 + 22.0° / 93.0 + 48.0°
 Efficiency 89 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



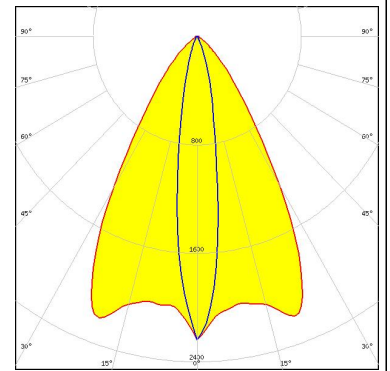
SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 60.0 + 12.0° / 91.0 + 28.0°
 Efficiency 92 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



SEOUL SEMICONDUCTOR

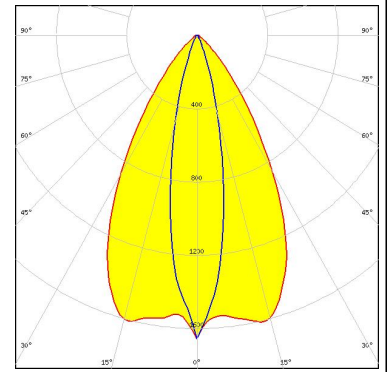
LED MJT COB LES 6
 Ordering code CP19044_AMY-70-O-C2
 FWHM / FWTM 62.0 + 16.0° / 93.0 + 36.0°
 Efficiency 92 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



OPTICAL RESULTS (SIMULATED):

XICATO

LED	XOB 14.5 mm
Ordering code	CP19044_AMY-70-O-C2
FWHM / FWTM	61.0 + 21.0° / 92.0 + 42.0°
Efficiency	80 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I



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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