

AMY-45-S

~18° spot beam

SPECIFICATION:

Dimensions	Ø
Height	0 mm
Fastening	screw
ROHS compliant	yes ⓘ

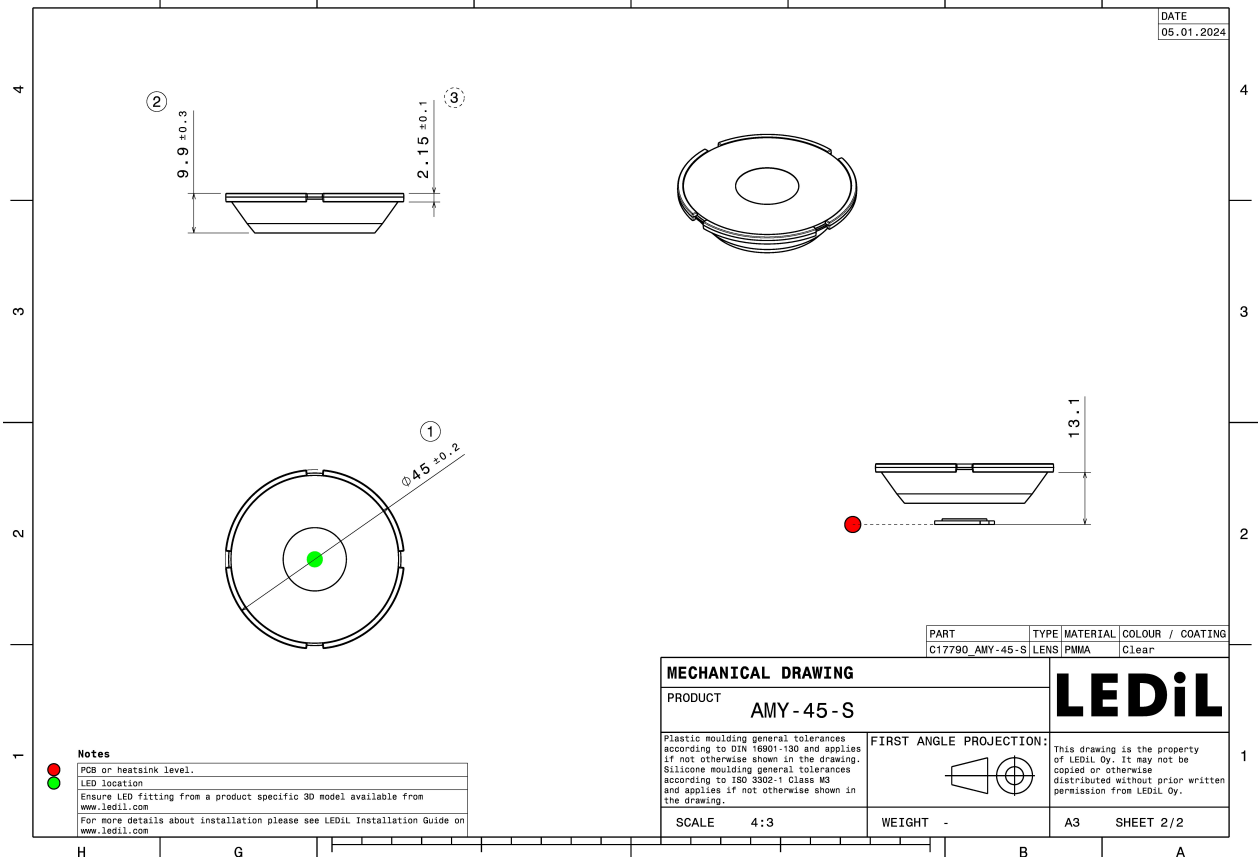
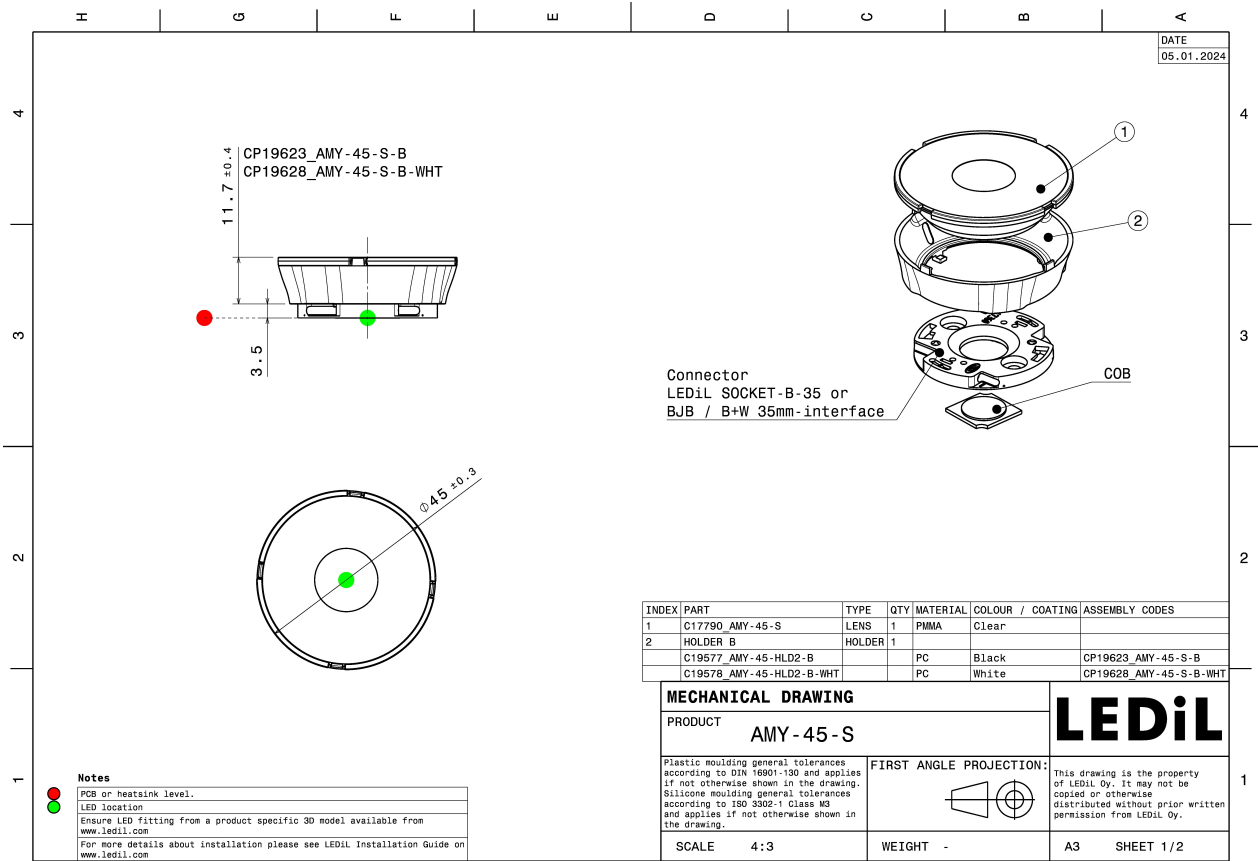
MATERIALS:

Component	Type	Material	Colour	Finish	Length
AMY-45-S	Single lens	PMMA			45.0



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17790_AMY-45-S	1035	180	45	10.2
Assembly				
CP19628_AMY-45-S-B-WHT	900	180	45	11.8
CP19623_AMY-45-S-B	900	180	45	11.8

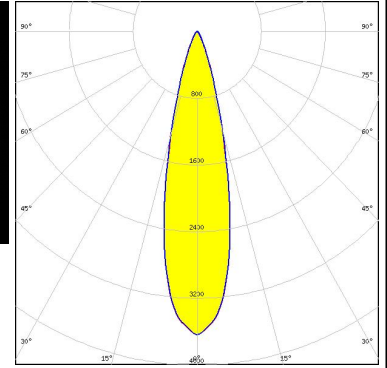


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

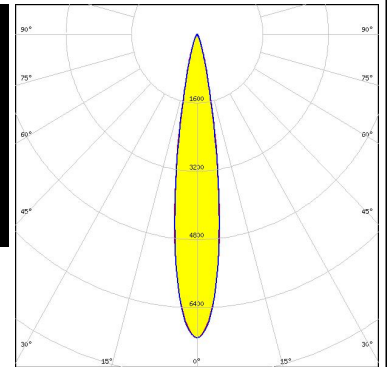
bridgelux

LED V11 HD Gen 8
Ordering code C17790_AMY-45-S
FWHM / FWTM 25.0° / 46.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 633d Hekla



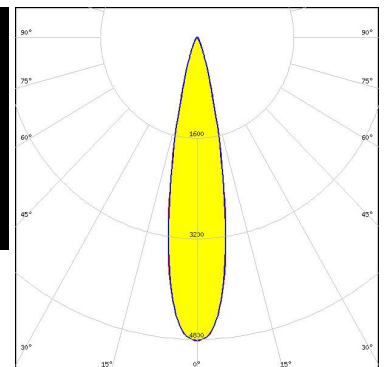
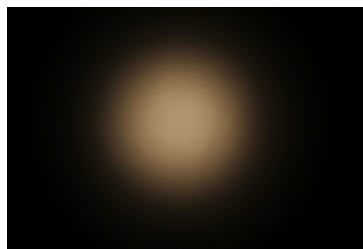
bridgelux

LED V6 HD Gen 7
Ordering code C17790_AMY-45-S
FWHM / FWTM 17.0° / 32.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C





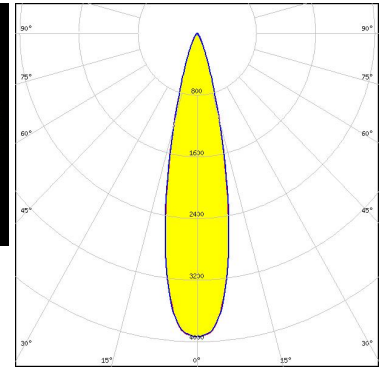
LED V9 HD Gen7
Ordering code C17790_AMY-45-S
FWHM / FWTM 21.0° / 39.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



OPTICAL RESULTS (MEASURED):

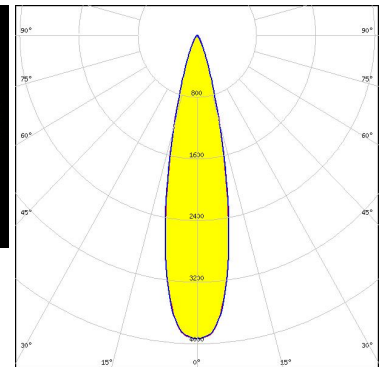
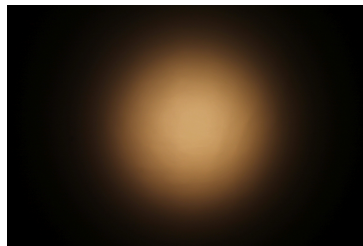
CITIZEN

LED CLL02x/CLU02x (LES10)
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 24.0° / 43.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



CITIZEN

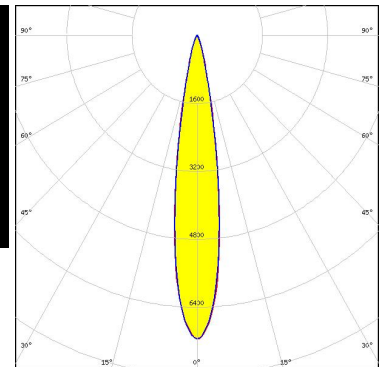
LED CLL02x/CLU02x (LES10)
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 24.0° / 43.0°
 Efficiency 86 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CITIZEN

LED CLU700/701/702/703
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 17.0° / 32.0°
 Efficiency 88 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C

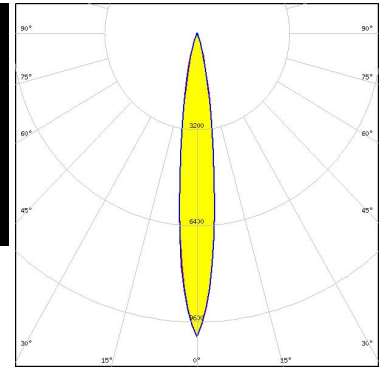


Light distribution files

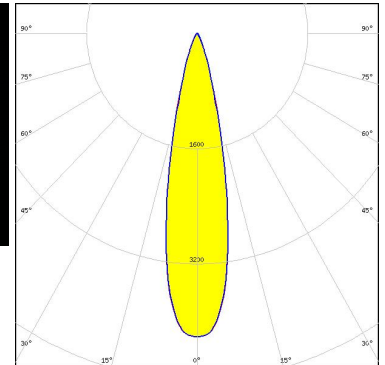
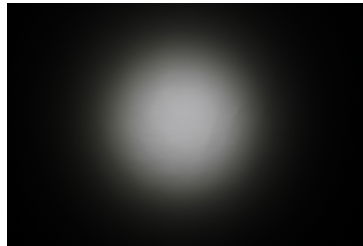
OPTICAL RESULTS (MEASURED):

CITIZEN

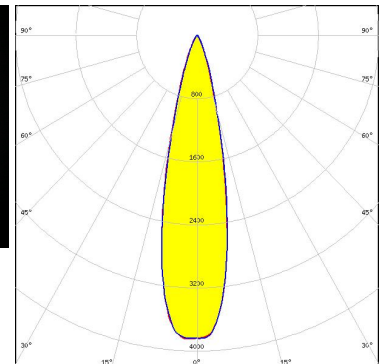
LED CLU700/701/702/703
Ordering code C17790_AMY-45-S
FWHM / FWTM 17.0° / 32.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



LED CMA1516
Ordering code C17790_AMY-45-S
FWHM / FWTM 23.0° / 42.0°
Efficiency 85 %
LEDs/each optic 1
Light colour/type White
Required components:
F17436_HEKLA-G2-D



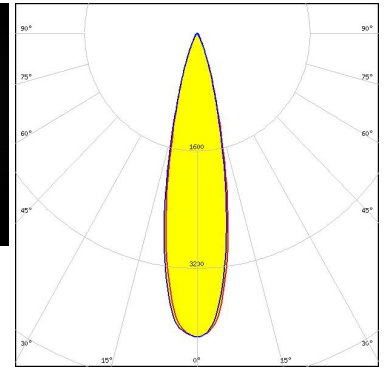
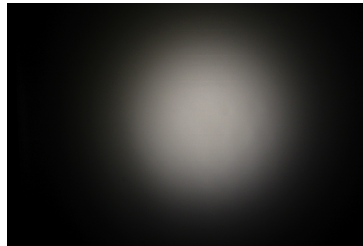
LED CMT14xx
Ordering code C17790_AMY-45-S
FWHM / FWTM 24.0° / 44.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



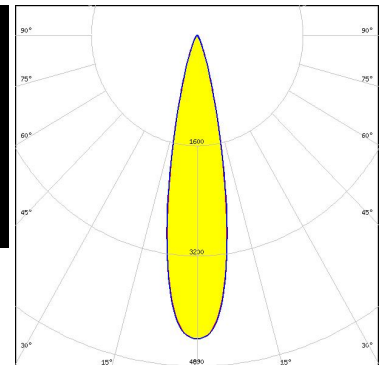
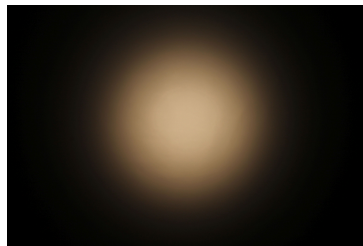
OPTICAL RESULTS (MEASURED):



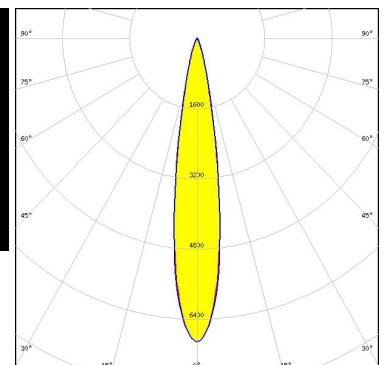
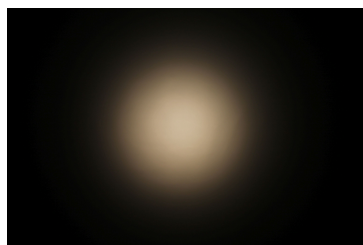
LED CMU10xx
Ordering code C17790_AMY-45-S
FWHM / FWTM 23.0° / 43.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type White
Required components:
BJB: 47.360.1020



LED LUXEON CoB 1202/1203
Ordering code C17790_AMY-45-S
FWHM / FWTM 22.0° / 40.0°
Efficiency 85 %
LEDs/each optic 1
Light colour/type White
Required components:
F17437_HEKLA-G2-H



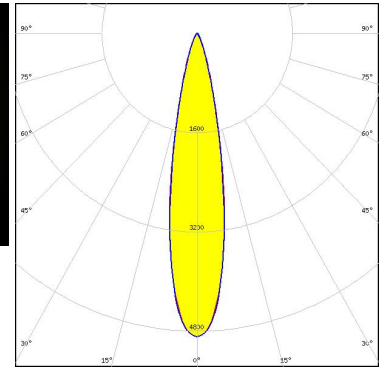
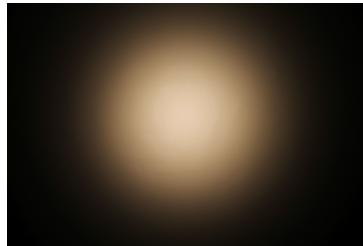
LED LUXEON CoB 1202s
Ordering code C17790_AMY-45-S
FWHM / FWTM 17.0° / 33.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G



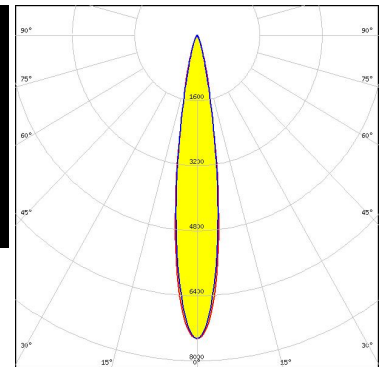
OPTICAL RESULTS (MEASURED):



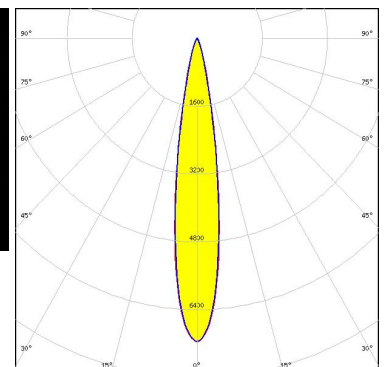
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
Ordering code C17790_AMY-45-S
FWHM / FWTM 21.0° / 40.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:
 F15256_HEKLA-SOCKET-D



LED LUXEON CX Plus CoB S01 (Gen2)
Ordering code C17790_AMY-45-S
FWHM / FWTM 16.0° / 32.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type White
Required components:
 F15956_HEKLA-SOCKET-J



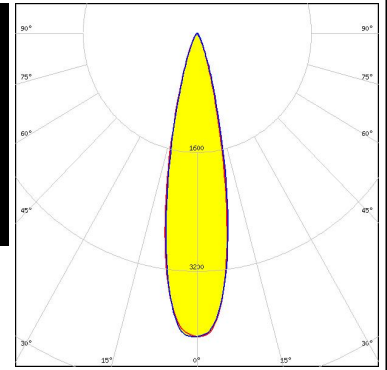
LED CxM-6 (13.5x13.5)
Ordering code C17790_AMY-45-S
FWHM / FWTM 17.0° / 32.0°
Efficiency 88 %
LEDs/each optic 1
Light colour/type White
Required components:
 F17435_HEKLA-G2-C



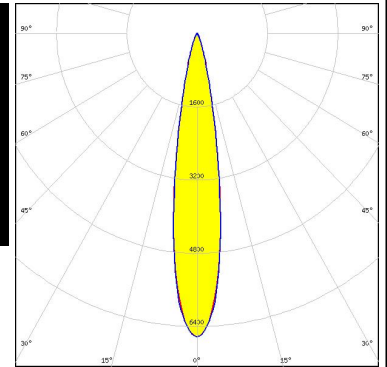
OPTICAL RESULTS (MEASURED):



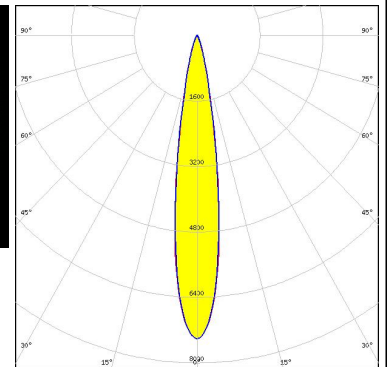
LED CxM-9 (13.5x13.5)
Ordering code C17790_AMY-45-S
FWHM / FWTM 23.0° / 43.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:
 F17435_HEKLA-G2-C



LED COB S-Type (LES 7)
Ordering code C17790_AMY-45-S
FWHM / FWTM 18.0° / 35.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type White
Required components:
 F15848_HEKLA-SOCKET-G



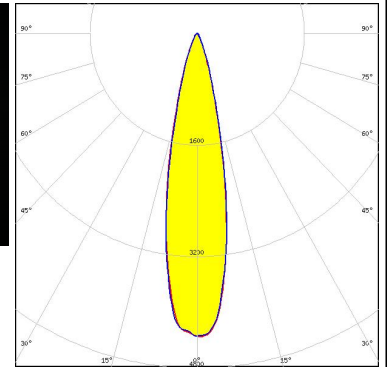
LED COB T-Type
Ordering code C17790_AMY-45-S
FWHM / FWTM 17.0° / 33.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type White
Required components:
 F15848_HEKLA-SOCKET-G



OPTICAL RESULTS (MEASURED):

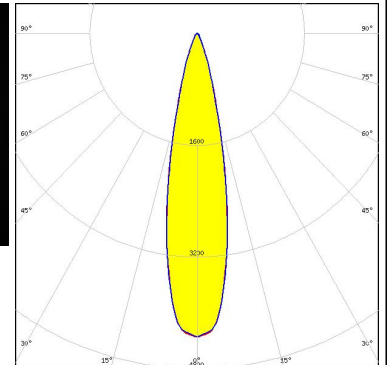
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



SAMSUNG

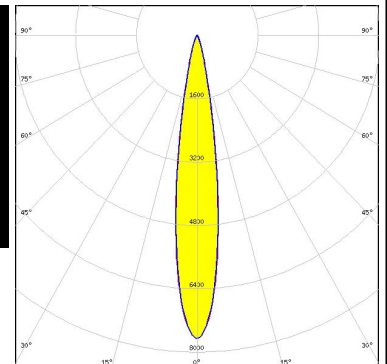
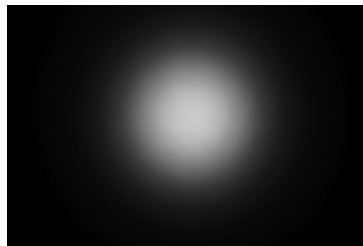
LED LC003D / LC006D / LC009D / LC013D
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 94 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 BJB: 47.360.1020



Light distribution files



LED MJT COB LES 6
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 16.0° / 31.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



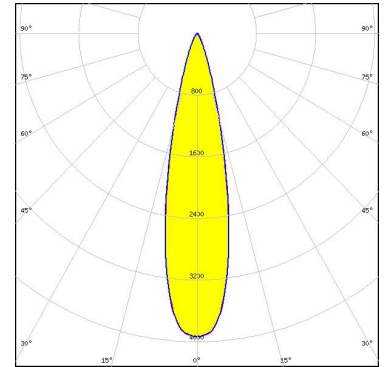
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):

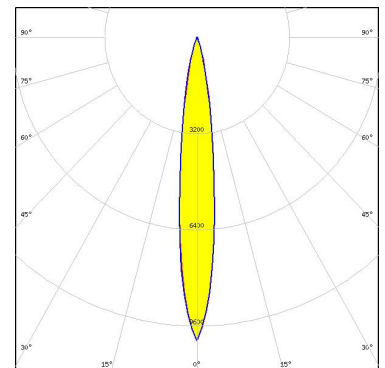
CITIZEN

LED CLL02x/CLU02x (LES10)
Ordering code C17790_AMY-45-S
FWHM / FWTM 20.0° / 40.0°
Efficiency 91 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



CITIZEN

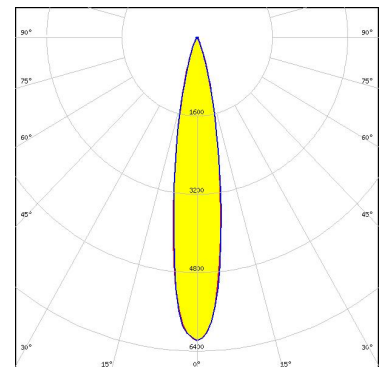
LED CLU700/701/702/703
Ordering code C17790_AMY-45-S
FWHM / FWTM 14.0° / 30.0°
Efficiency 92 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C





CITIZEN

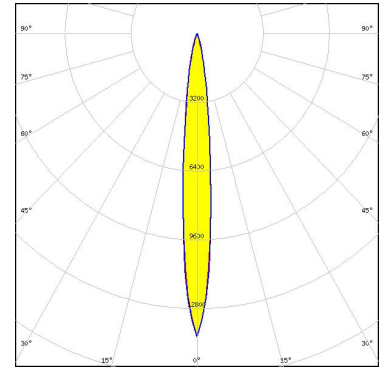
LED	CLU712/713
Ordering code	C17790_AMY-45-S
FWHM / FWTM	18.0° / 38.0°
Efficiency	92 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F17438_HEKLA-G2-I	



OPTICAL RESULTS (SIMULATED):



LED: CHA0410
Ordering code: C17790_AMY-45-S
FWHM / FWTM: 12.0° / 26.0°
Efficiency: 91 %
Peak intensity: 14.1 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F17435_HEKLA-G2-C



LED: CMA1825
Ordering code: C17790_AMY-45-S
FWHM / FWTM: 25.0° / 51.0°
Efficiency: 89 %
Peak intensity: 3.4 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F15254_HEKLA-SOCKET-B

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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LEDiL Oy

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P.R.CHINA

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Hong Kong, China

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