

AMY-45-S

~18° spot beam

SPECIFICATION:

Dimensions	Ø
Height	0 mm
Fastening	screw
ROHS compliant	yes 

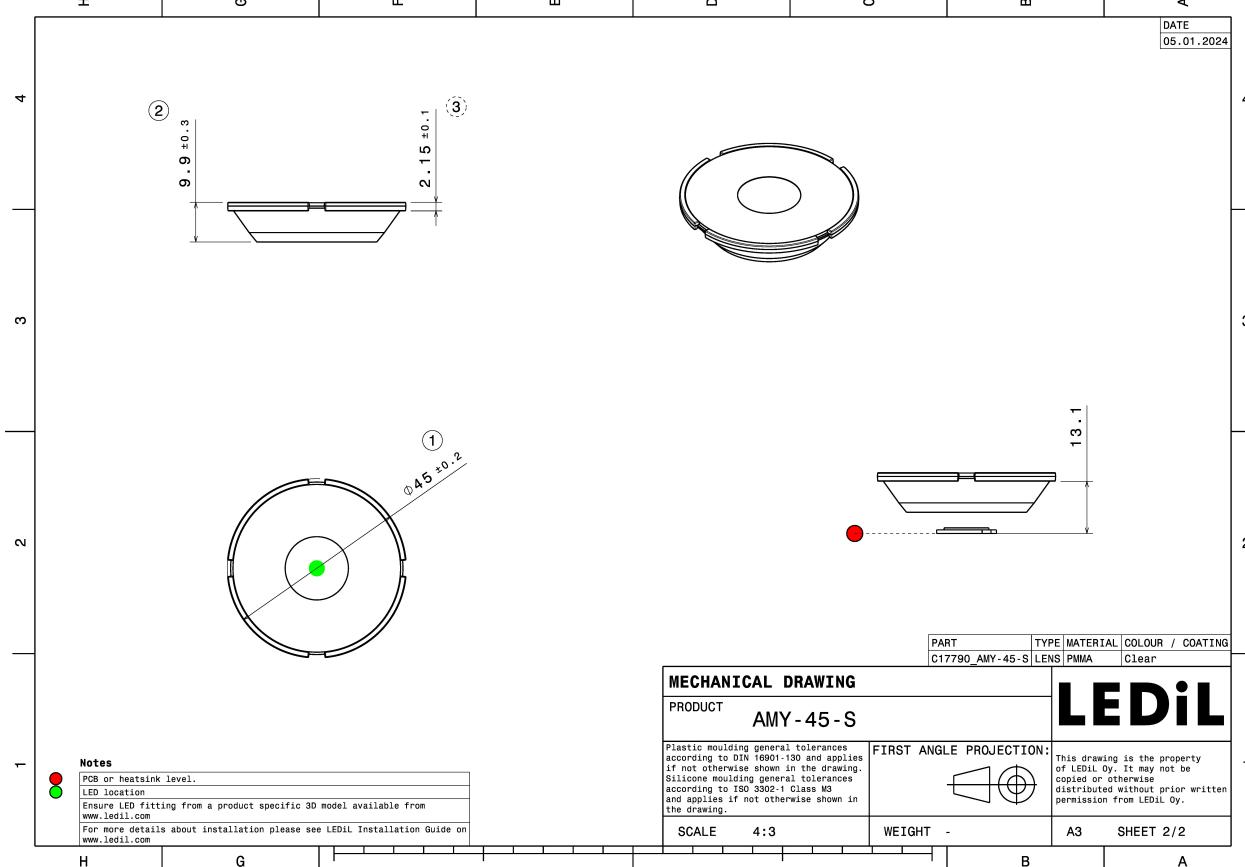
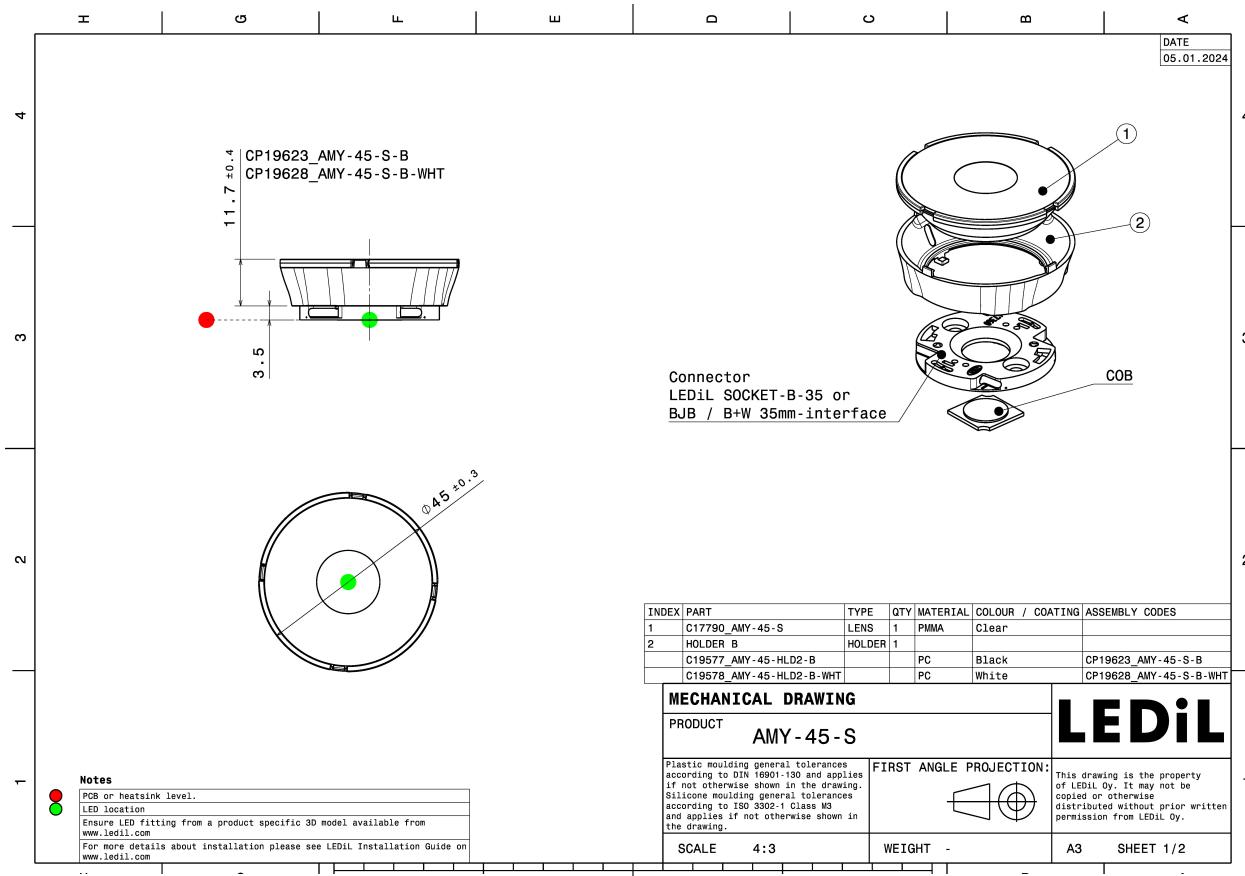


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-45-S	Single lens	PMMA			
AMY-45-HLD2-B	Holder B	PC	black		
AMY-45-HLD2-B-WHT	Holder B	PC	white		

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

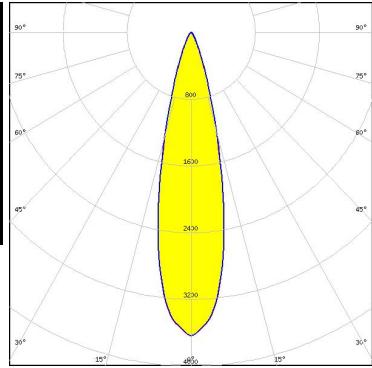


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



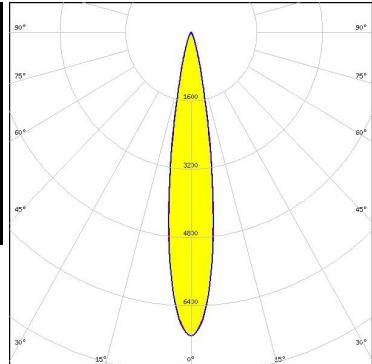
LED V11 HD Gen 8
Ordering code C17790_AMY-45-S
FWHM / FWTM 25.0° / 46.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 633d Hekla



Light distribution files



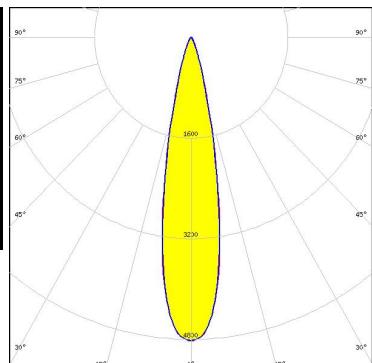
LED V6 HD Gen 7
Ordering code C17790_AMY-45-S
FWHM / FWTM 17.0° / 32.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



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

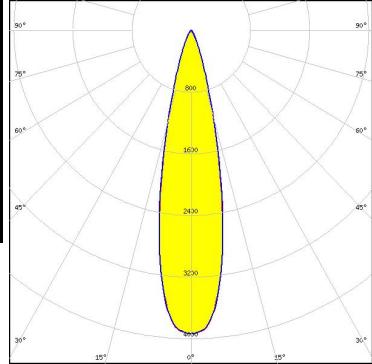


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

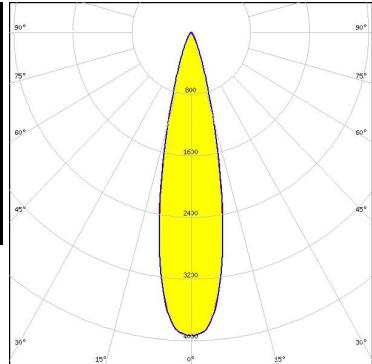
LED CLU02x (LES10)
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 24.0° / 43.0°
 Efficiency 86 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CITIZEN

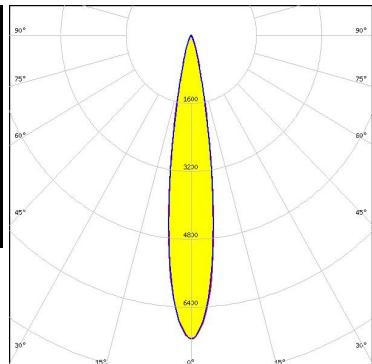
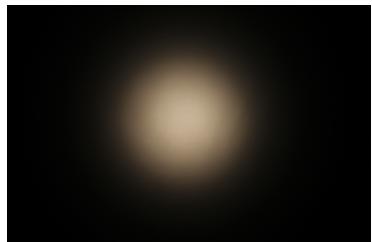
LED CLU02x (LES10)
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 24.0° / 43.0°
 Efficiency 86 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



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

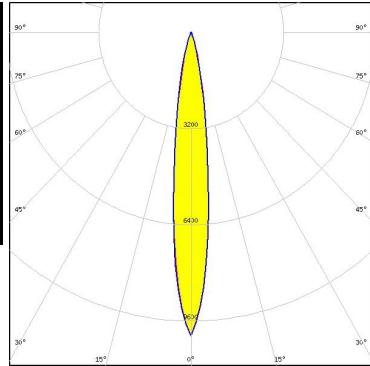


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

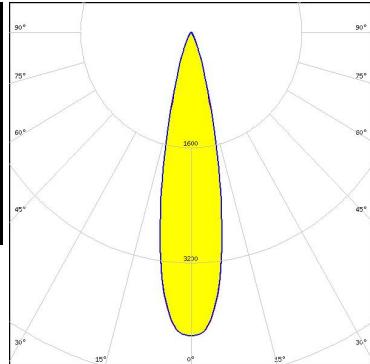
LED CLU700/701/702/703
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 17.0° / 32.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CREE LEDs

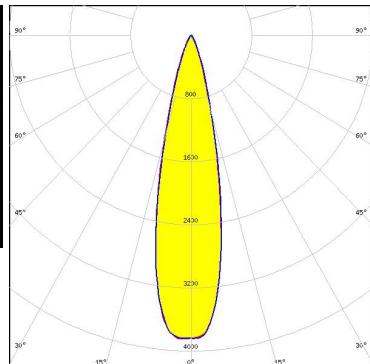
LED CMA1516
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 23.0° / 42.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17436_HEKLA-G2-D



Light distribution files

CREE LEDs

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

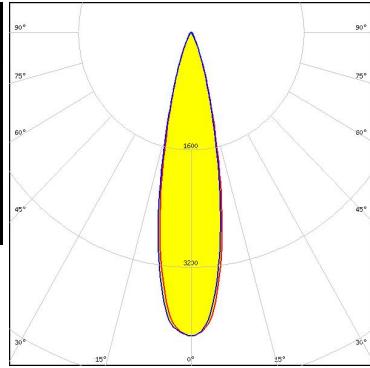
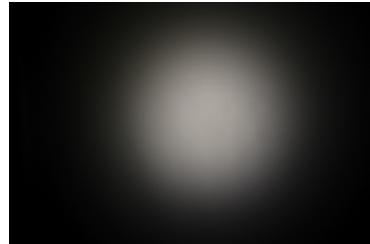


Light distribution files

OPTICAL RESULTS (MEASURED):



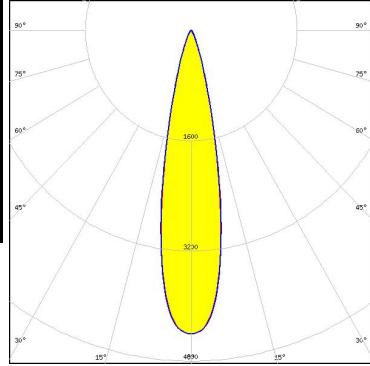
LED CMU10xx
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 89 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 BJB: 47.360.1020



Light distribution files



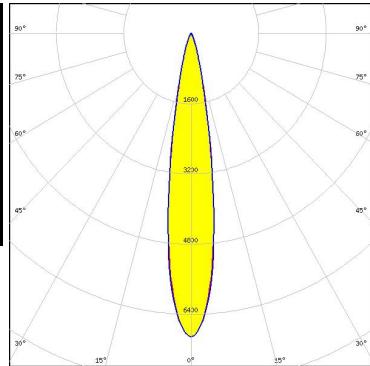
LED LUXEON CoB 1202/1203
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 22.0° / 40.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H



Light distribution files



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

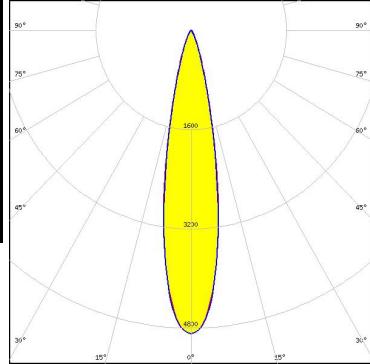


Light distribution files

OPTICAL RESULTS (MEASURED):



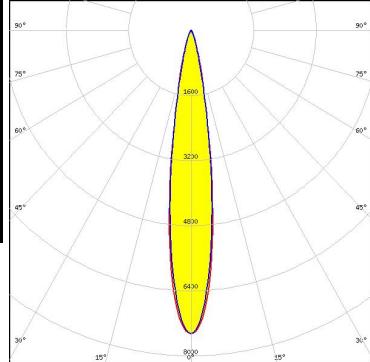
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 21.0° / 40.0°
 Efficiency 88 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15256_HEKLA-SOCKET-D



Light distribution files



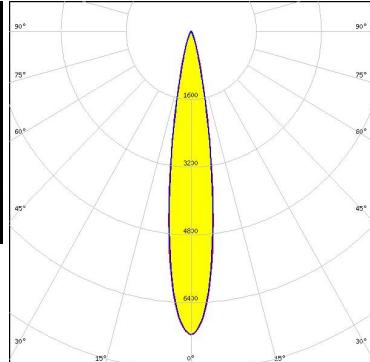
LED LUXEON CX Plus CoB S01 (Gen2)
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15956_HEKLA-SOCKET-J



Light distribution files



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

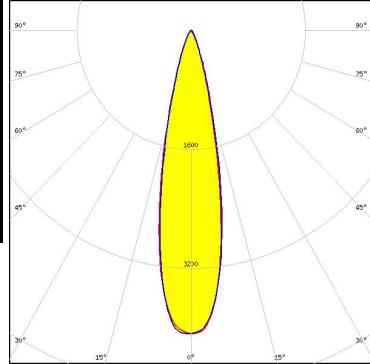


Light distribution files

OPTICAL RESULTS (MEASURED):



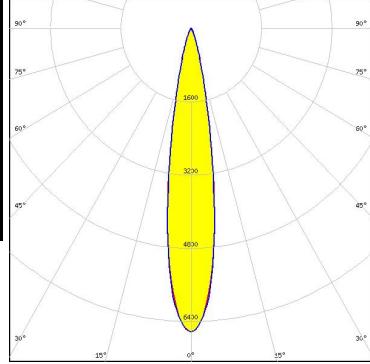
LED CxM-9 (13.5x13.5)
Ordering code C17790_AMY-45-S
FWHM / FWTM 23.0° / 43.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



Light distribution files



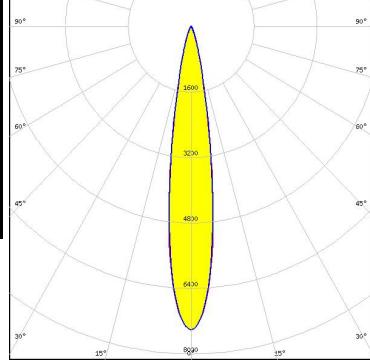
LED COB S-Type (LES 7)
Ordering code C17790_AMY-45-S
FWHM / FWTM 18.0° / 35.0°
Efficiency 89 %
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G



Light distribution files



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

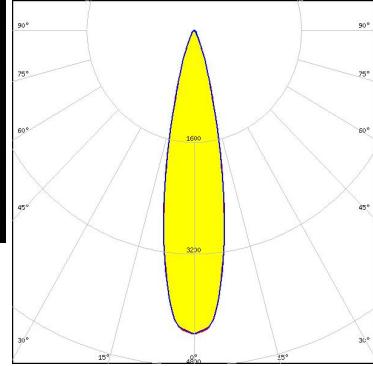


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

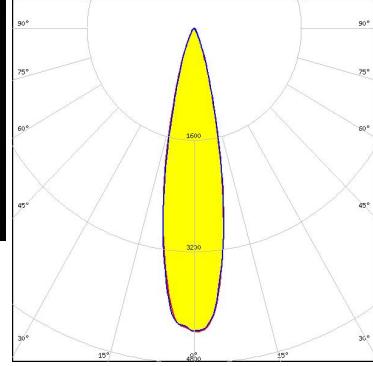
LED LC003D / LC006D / LC009D / LC013D
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 94 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 BJB: 47.360.1020



Light distribution files

SAMSUNG

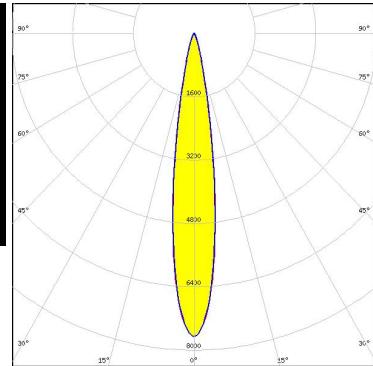
LED LC003D / LC006D / LC009D / LC013D
 Ordering code C17790_AMY-45-S
 FWHM / FWTM 23.0° / 43.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

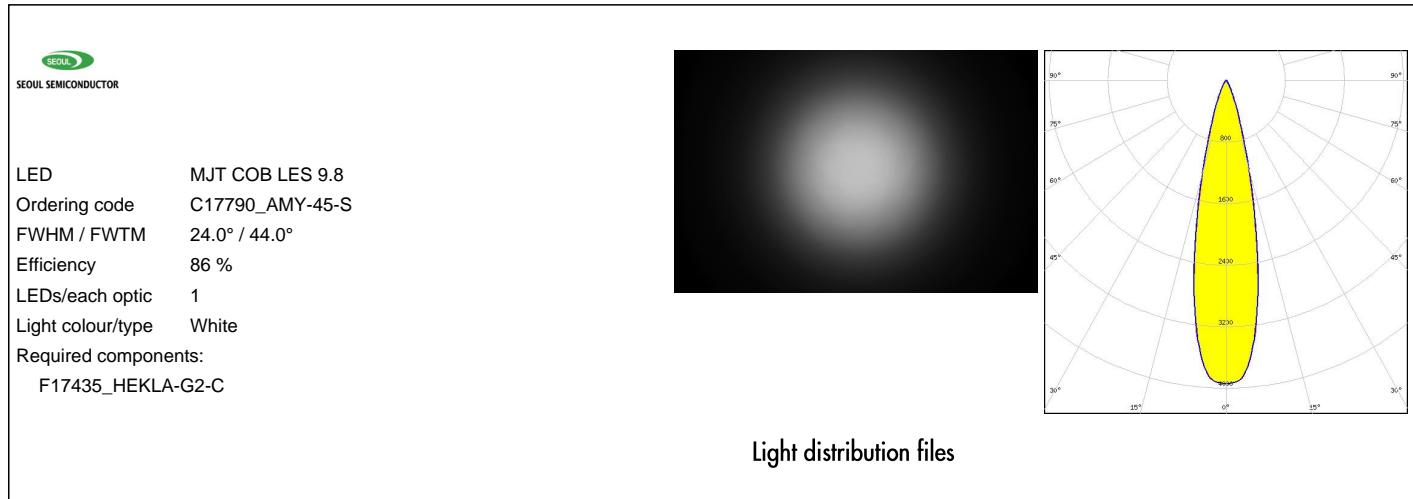
 SEOUL SEMICONDUCTOR

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



Light distribution files

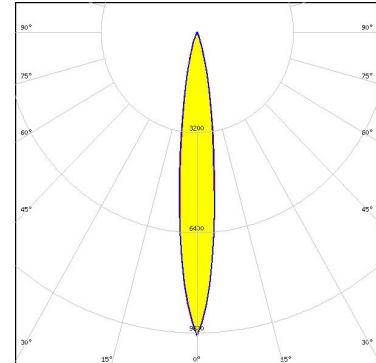
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):



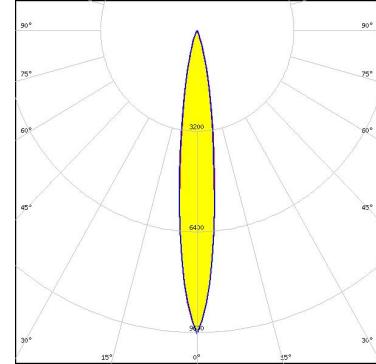
LED V6 HD Gen 8
Ordering code CP19628_AMY-45-S-B-WHT
FWHM / FWTM 14.0° / 32.0°
Efficiency 93 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C18968_SOCKET-B-35-C



Light distribution files



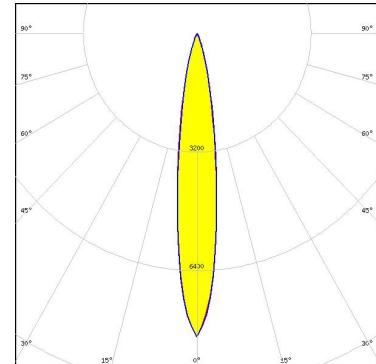
LED V6 HD Gen 8
Ordering code CP19623_AMY-45-S-B
FWHM / FWTM 14.0° / 32.0°
Efficiency 90 %
Peak intensity 9.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C18968_SOCKET-B-35-C



Light distribution files



LED Vesta DTW 6mm
FWHM / FWTM 16.0° / 34.0°
Efficiency 91 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Bender Wirth: 652b Bayonet35

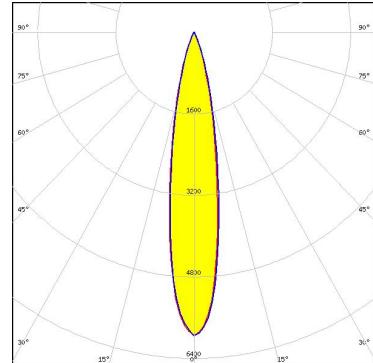
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)
 FWHM / FWTM 19.0° / 39.0°
 Efficiency 90 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Bender Wirth: 652b Bayonet35

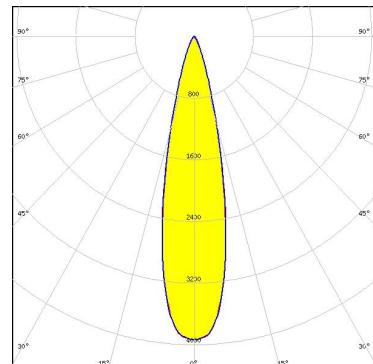


Light distribution files

CITIZEN

LED 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

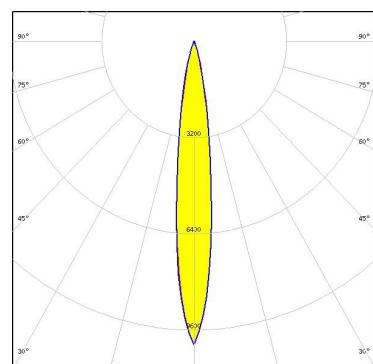


Light distribution files

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

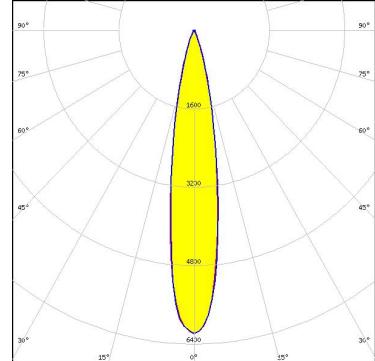


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

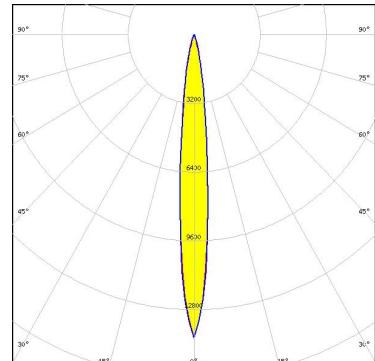
LED	CLU712/713
Ordering code	C17790_AMY-45-S
FWHM / FWTM	18.0° / 38.0°
Efficiency	92 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I



Light distribution files

CREE LEDs

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



Light distribution files

CREE LEDs

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

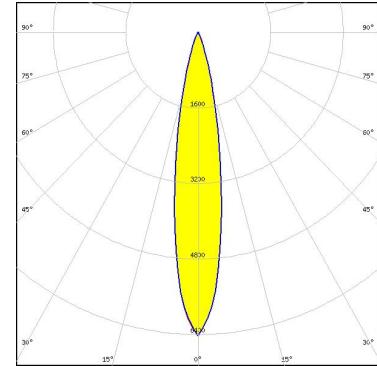
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CXA/B 15xx
Ordering code CP19623_AMY-45-S-B
FWHM / FWTM 18.0° / 38.0°
Efficiency 89 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

BBB: 47.360.1030



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.

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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