

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		

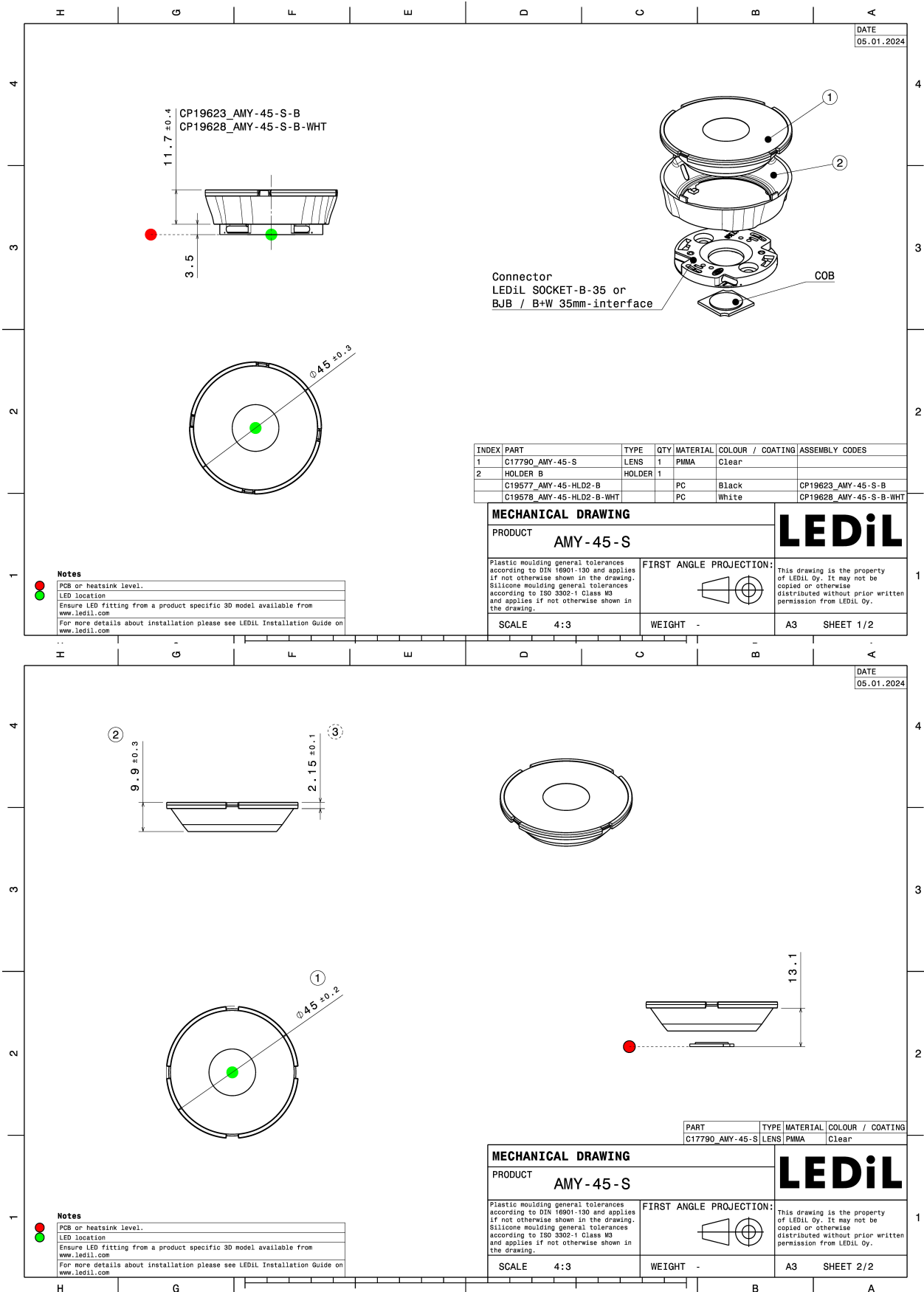


## ORDERING INFORMATION:

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

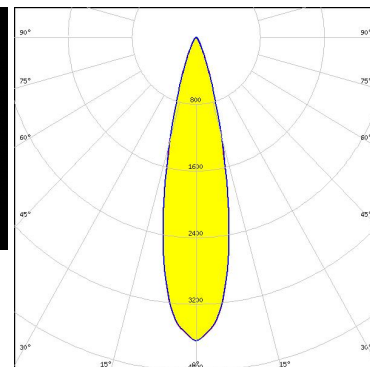
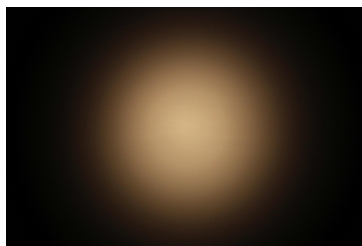


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



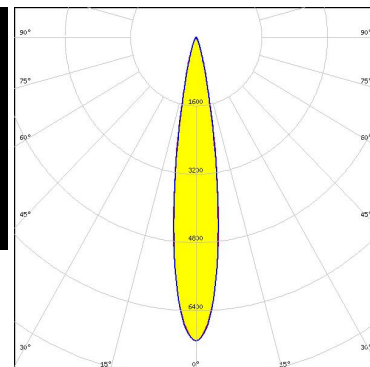
**LED** V11 HD Gen 8  
**Ordering code** C17790\_AMY-45-S  
**FWHM / FWTM** 25.0° / 46.0°  
**Efficiency** 87 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 Bender Wirth: 633d Hekla



Light distribution files



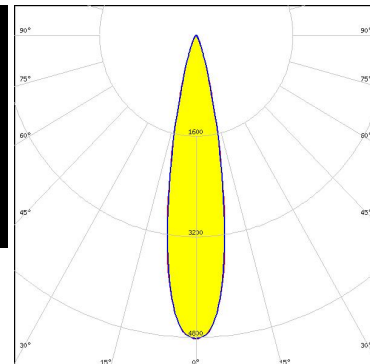
**LED** V6 HD Gen 7  
**Ordering code** C17790\_AMY-45-S  
**FWHM / FWTM** 17.0° / 32.0°  
**Efficiency** 89 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



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



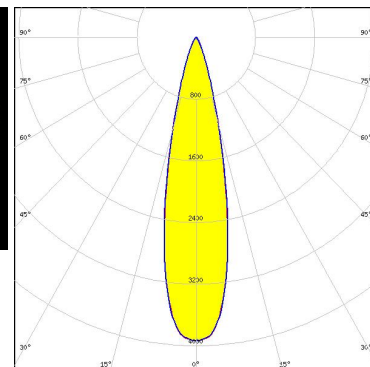
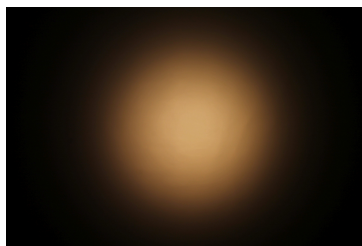
Light distribution files



### OPTICAL RESULTS (MEASURED):

#### CITIZEN

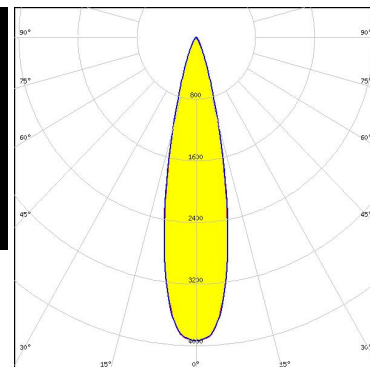
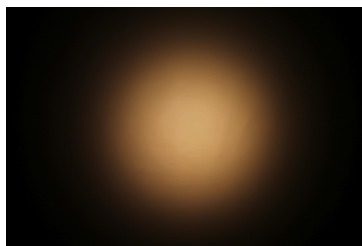
LED CLU02x (LES10)  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 24.0° / 43.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files

#### CITIZEN

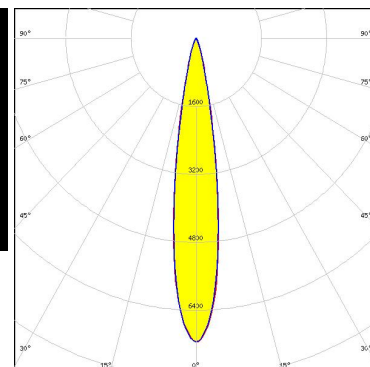
LED CLU02x (LES10)  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 24.0° / 43.0°  
 Efficiency 86 %  
 Peak intensity 3.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



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

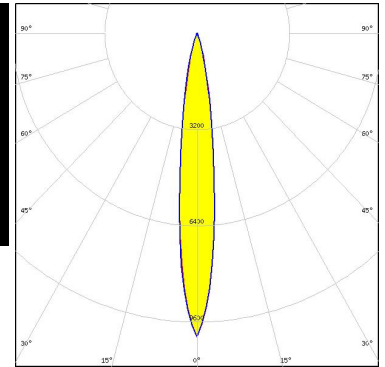


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

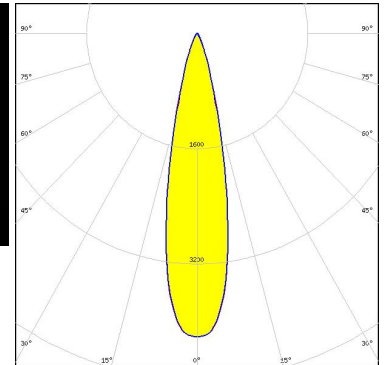
LED CLU700/701/702/703  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 17.0° / 32.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



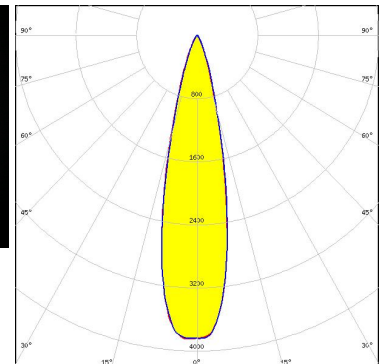
LED CMA1516  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 23.0° / 42.0°  
 Efficiency 85 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17436\_HEKLA-G2-D



Light distribution files



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

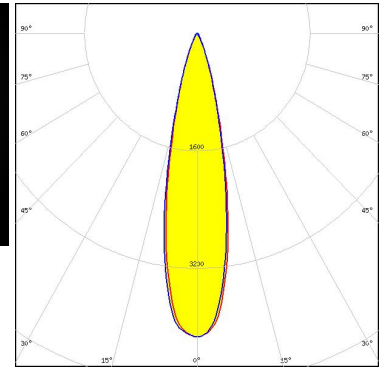
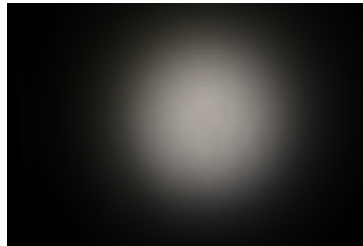


Light distribution files

### OPTICAL RESULTS (MEASURED):



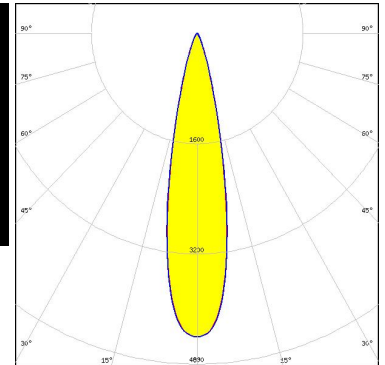
LED CMU10xx  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020



Light distribution files



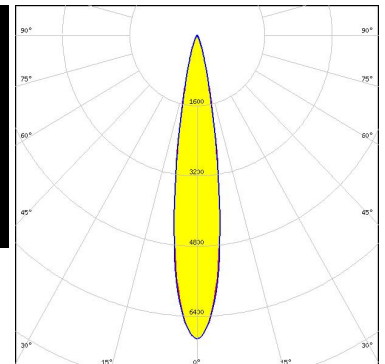
LED LUXEON CoB 1202/1203  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 22.0° / 40.0°  
 Efficiency 85 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17437\_HEKLA-G2-H



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

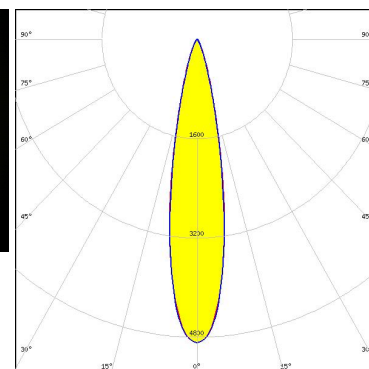
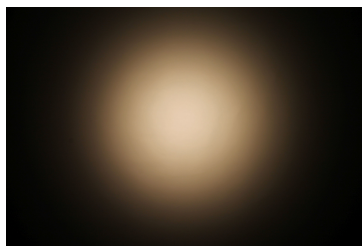


Light distribution files

### OPTICAL RESULTS (MEASURED):



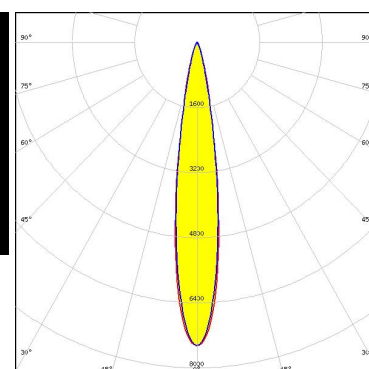
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 21.0° / 40.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



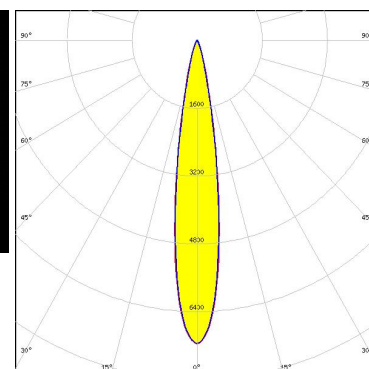
LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 16.0° / 32.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



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

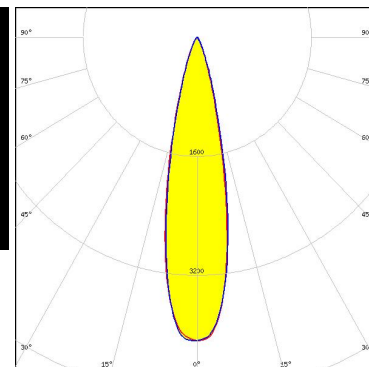
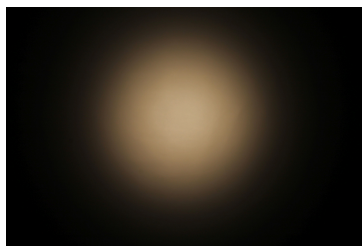


Light distribution files

### OPTICAL RESULTS (MEASURED):



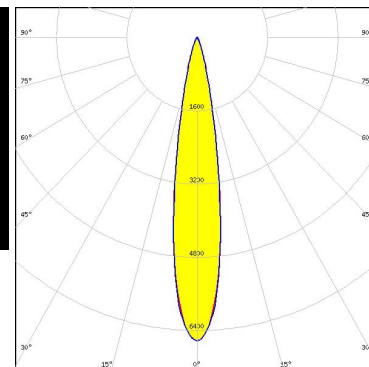
LED CxM-9 (13.5x13.5)  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



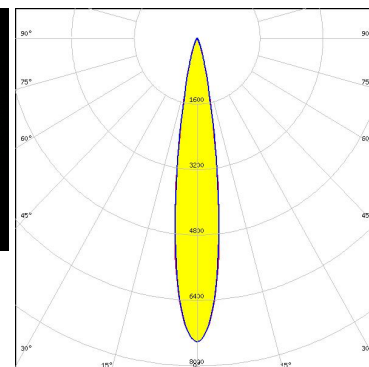
LED COB S-Type (LES 7)  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 18.0° / 35.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



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

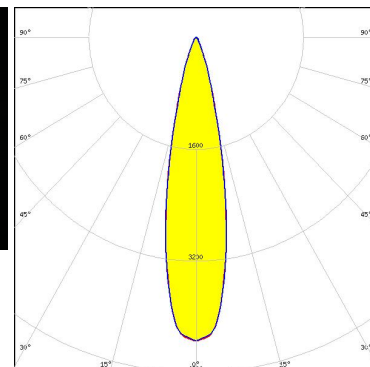
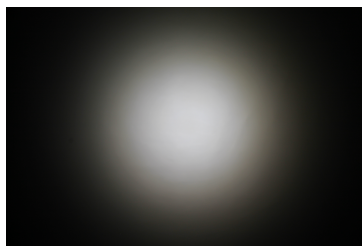


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

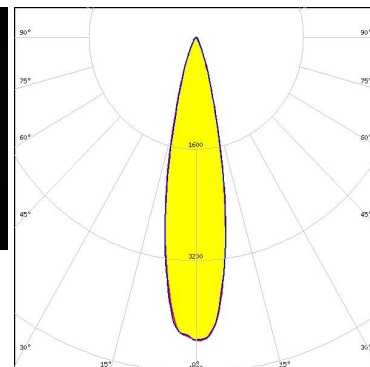
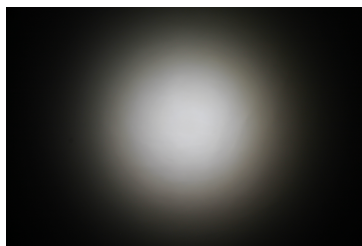
LED LC003D / LC006D / LC009D / LC013D  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 94 %  
 Peak intensity 4.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020



Light distribution files

#### SAMSUNG

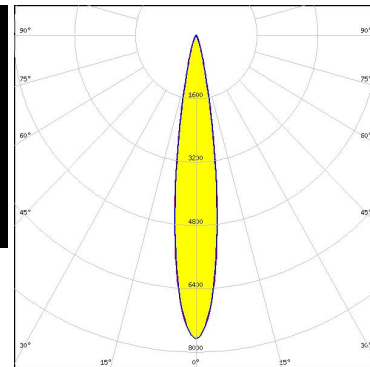
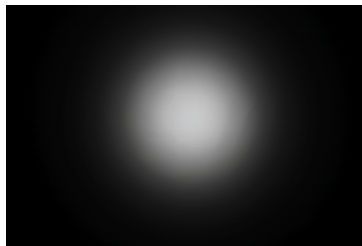
LED LC003D / LC006D / LC009D / LC013D  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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



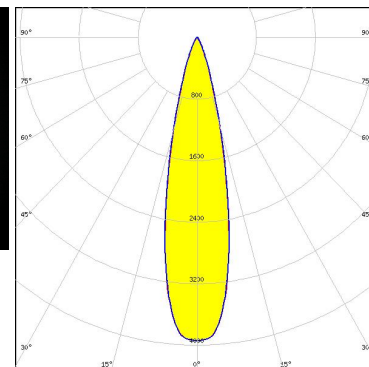
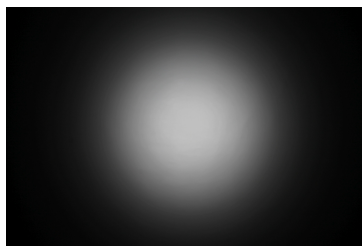
Light distribution files



### OPTICAL RESULTS (MEASURED):



LED MJT COB LES 9.8  
 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

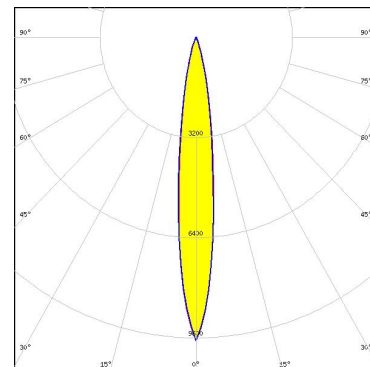


Light distribution files

### OPTICAL RESULTS (SIMULATED):



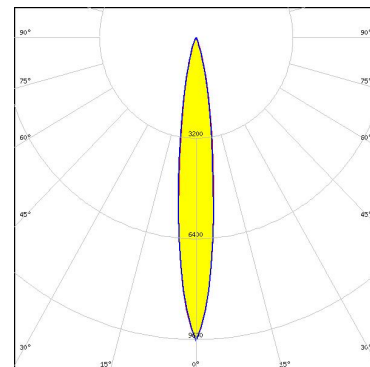
LED V6 HD Gen 8  
 Ordering code CP19628\_AMY-45-S-B-WHT  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 93 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18968\_SOCKET-B-35-C



Light distribution files



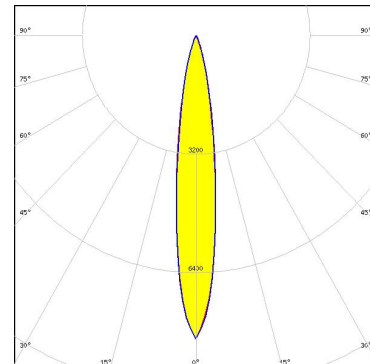
LED V6 HD Gen 8  
 Ordering code CP19623\_AMY-45-S-B  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 90 %  
 Peak intensity 9.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18968\_SOCKET-B-35-C



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



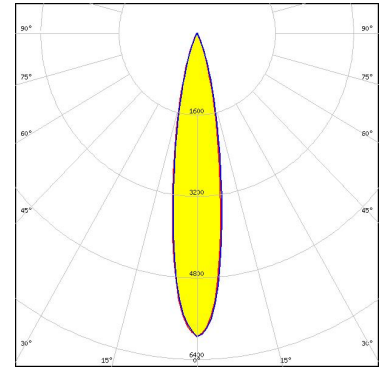
### OPTICAL RESULTS (SIMULATED):



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

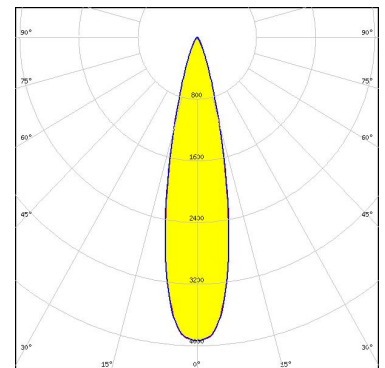
Light distribution files



### 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

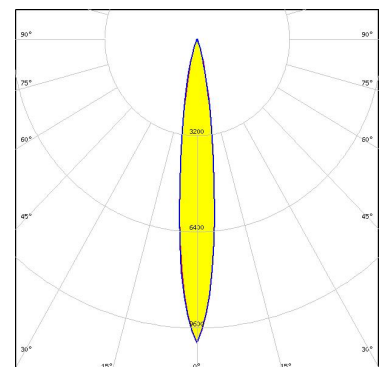
Light distribution files



### 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

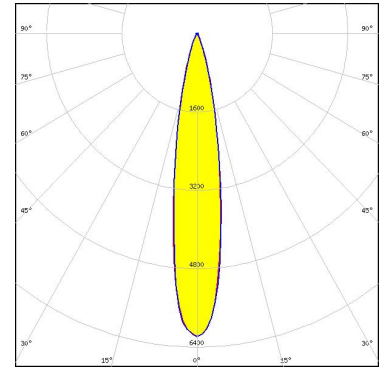
Light distribution files



### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

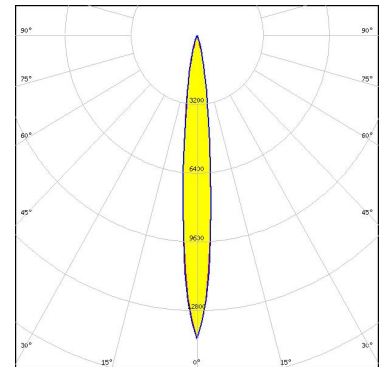
LED CLU712/713  
 Ordering code C17790\_AMY-45-S  
 FWHM / FWTM 18.0° / 38.0°  
 Efficiency 92 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I



Light distribution files



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



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

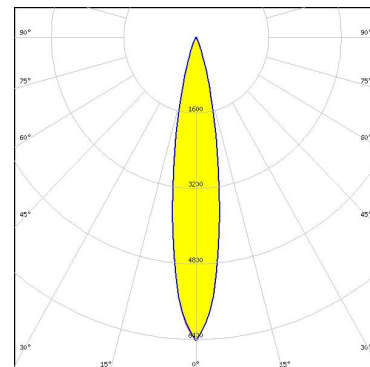
Light distribution files

### 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:	

BJB: 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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P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Poznan, Poland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)