

## AMY-45-M

~24° medium beam

### SPECIFICATION:

Dimensions	Ø
Height	0 mm
Fastening	screw
ROHS compliant	yes ⓘ

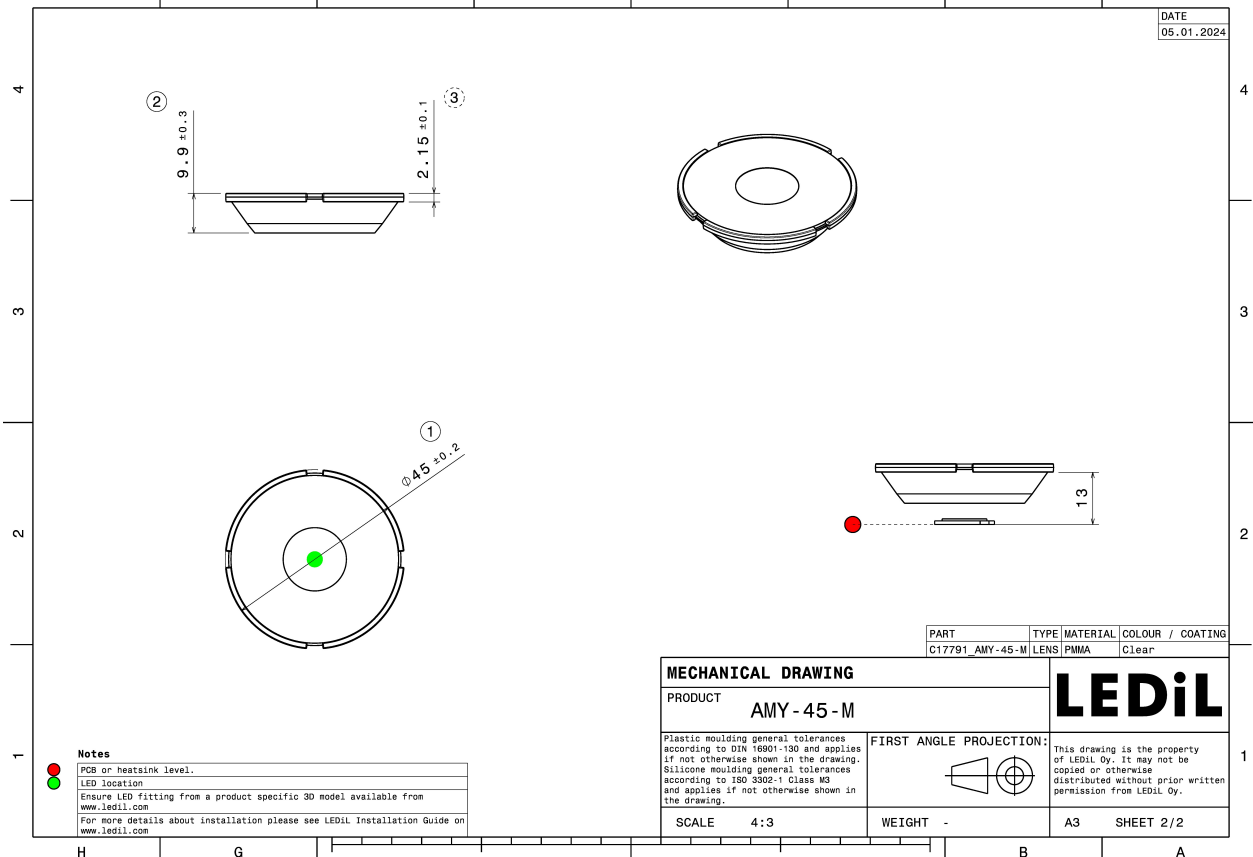
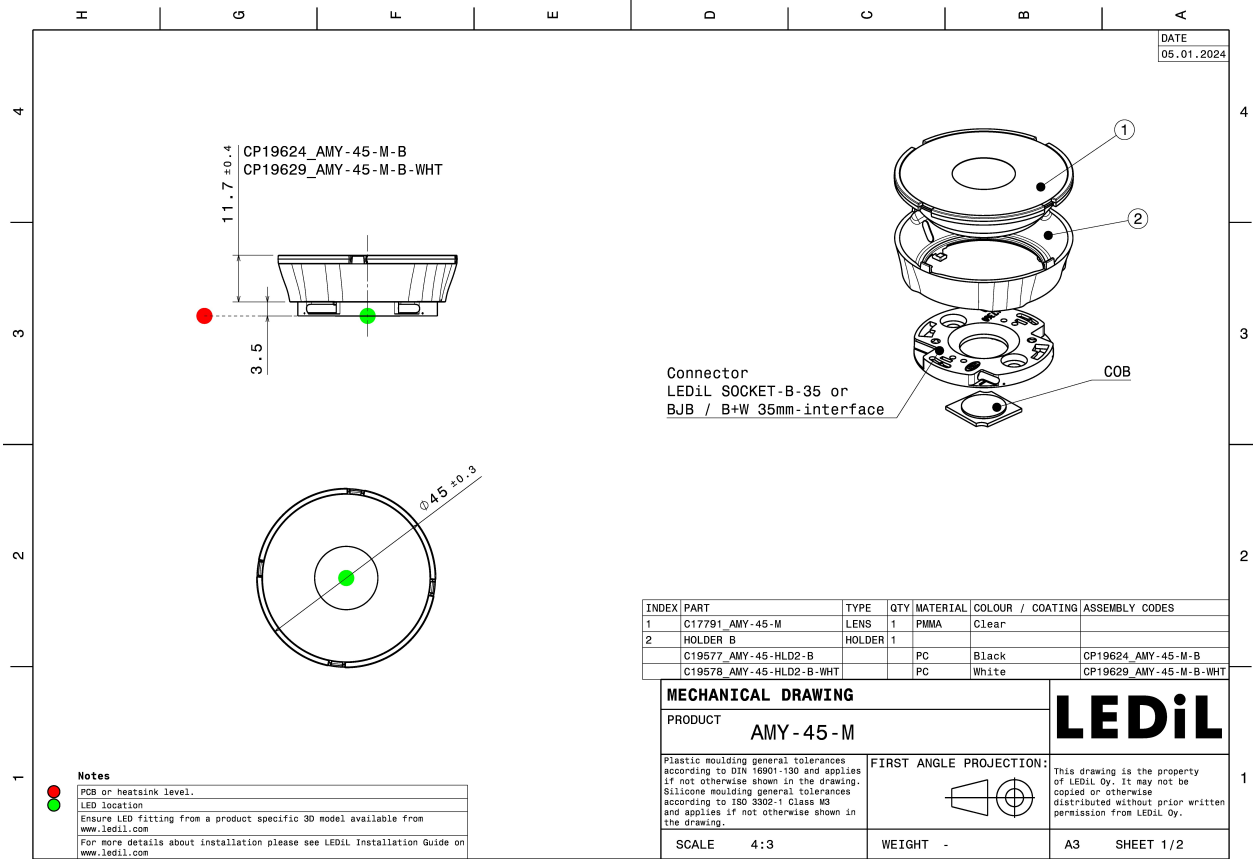
### MATERIALS:

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



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17791_AMY-45-M	1035	180	45	10.1
<b>Assembly</b>				
CP19629_AMY-45-M-B-WHT	900	180	45	11.6
CP19624_AMY-45-M-B	900	180	45	11.6

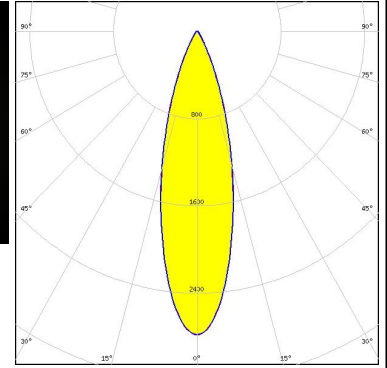


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

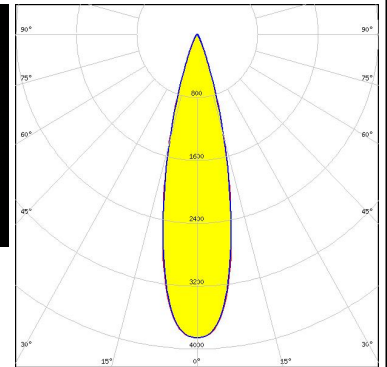
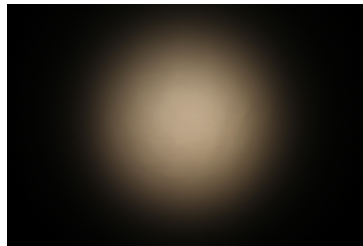
bridgelux.

LED V11 HD Gen 8  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 29.0° / 54.0°  
Efficiency 89 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
Bender Wirth: 633d Hekla



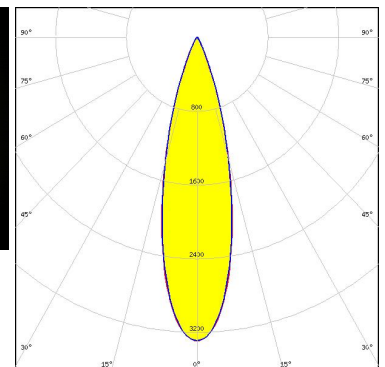
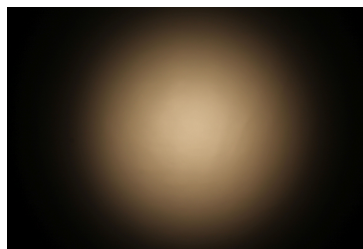
bridgelux.

LED V6 HD Gen 7  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 26.0° / 44.0°  
Efficiency 89 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15255\_HEKLA-SOCKET-C





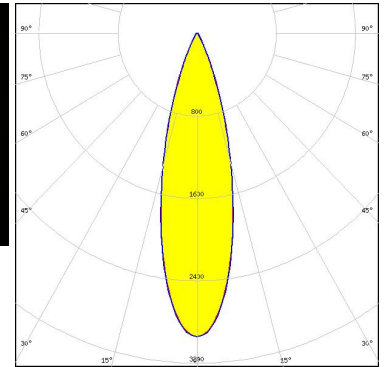
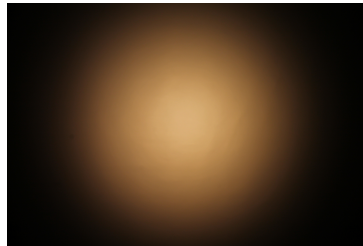
LED V9 HD Gen7  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 27.0° / 48.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F15859\_HEKLA-SOCKET-I



### OPTICAL RESULTS (MEASURED):

#### CITIZEN

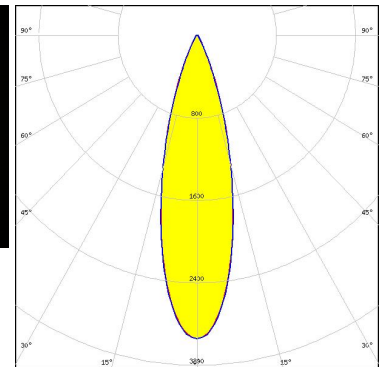
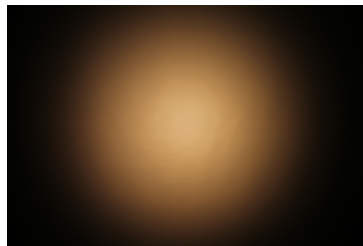
LED CLL02x/CLU02x (LES10)  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 28.0° / 51.0°  
Efficiency 86 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



Light distribution files

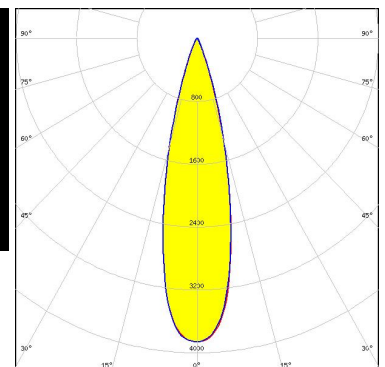
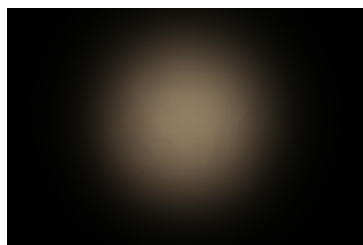
#### CITIZEN

LED CLL02x/CLU02x (LES10)  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 28.0° / 51.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



#### CITIZEN

LED CLU700/701/702/703  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 25.0° / 43.0°  
Efficiency 88 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C

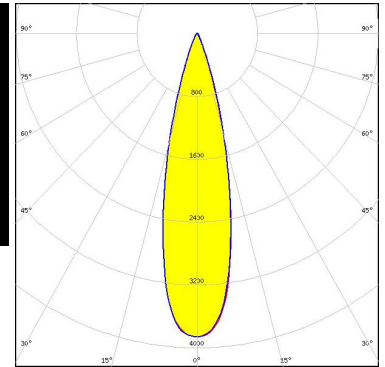
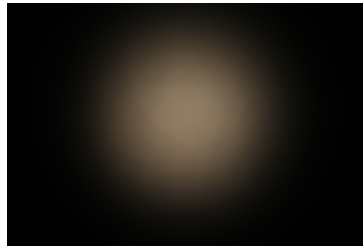


Light distribution files

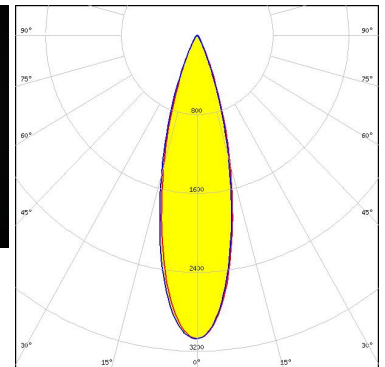
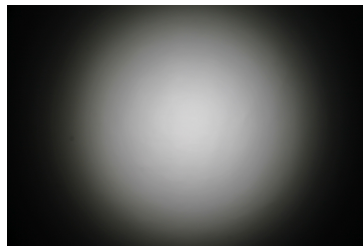
### OPTICAL RESULTS (MEASURED):

#### CITIZEN

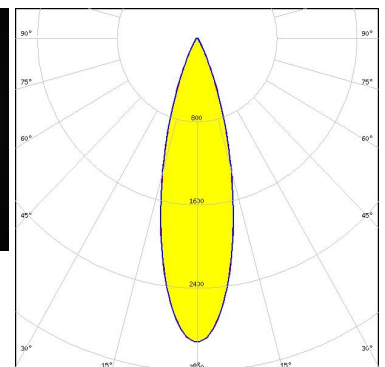
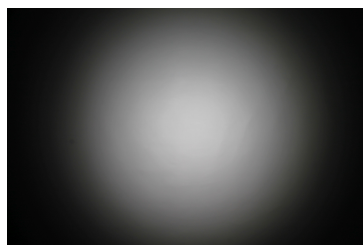
LED CLU700/701/702/703  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 25.0° / 43.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



LED CMA1516  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 28.0° / 50.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17436\_HEKLA-G2-D



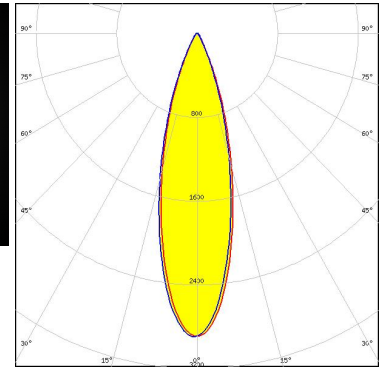
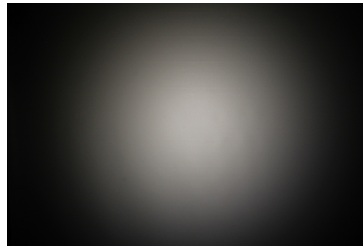
LED CMT14xx  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 28.0° / 51.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



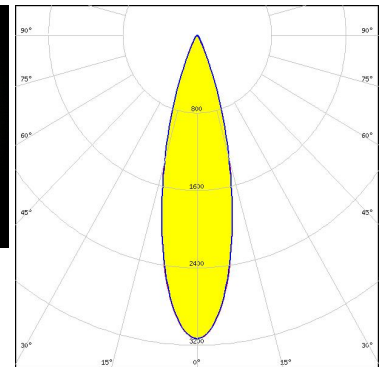
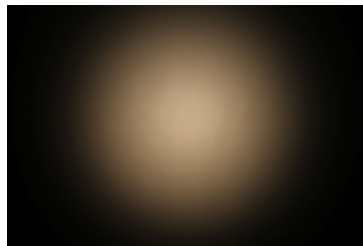
### OPTICAL RESULTS (MEASURED):



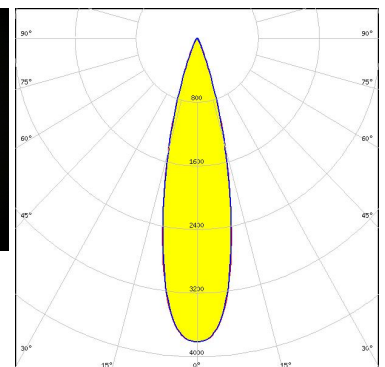
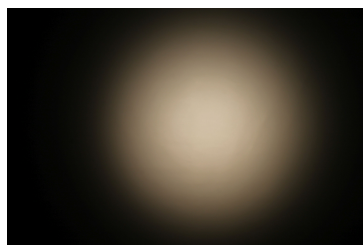
**LED** CMU10xx  
**Ordering code** C17791\_AMY-45-M  
**FWHM / FWTM** 28.0° / 53.0°  
**Efficiency** 90 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 BJB: 47.360.1020



**LED** LUXEON CoB 1202/1203  
**Ordering code** C17791\_AMY-45-M  
**FWHM / FWTM** 27.0° / 49.0°  
**Efficiency** 85 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17437\_HEKLA-G2-H



**LED** LUXEON CoB 1202s  
**Ordering code** C17791\_AMY-45-M  
**FWHM / FWTM** 26.0° / 44.0°  
**Efficiency** 89 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15848\_HEKLA-SOCKET-G

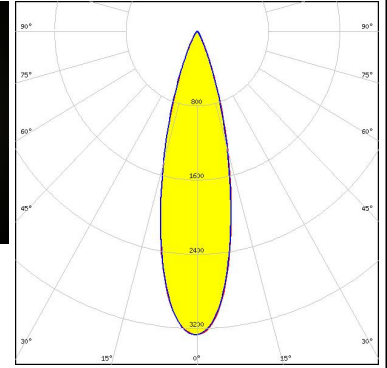




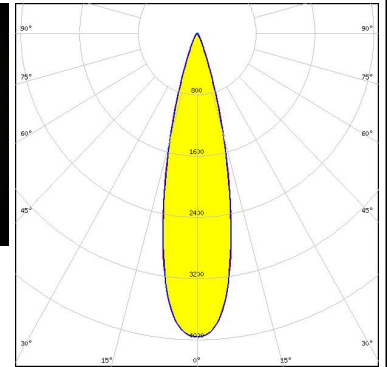
### OPTICAL RESULTS (MEASURED):



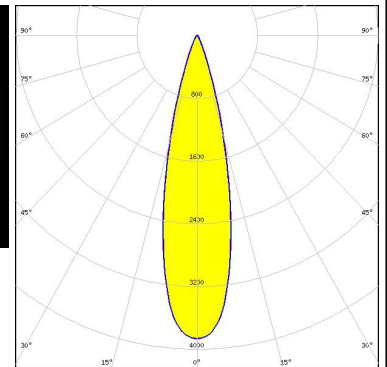
**LED** LUXEON CX Plus CoB M02 / M03 (Gen2)  
**Ordering code** C17791\_AMY-45-M  
**FWHM / FWTM** 27.0° / 49.0°  
**Efficiency** 89 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15256\_HEKLA-SOCKET-D



**LED** LUXEON CX Plus CoB S01 (Gen2)  
**Ordering code** C17791\_AMY-45-M  
**FWHM / FWTM** 26.0° / 44.0°  
**Efficiency** 90 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15956\_HEKLA-SOCKET-J



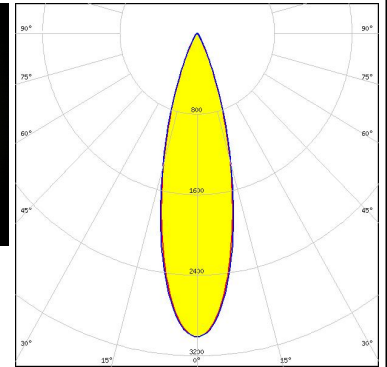
**LED** CxM-6 (13.5x13.5)  
**Ordering code** C17791\_AMY-45-M  
**FWHM / FWTM** 25.0° / 44.0°  
**Efficiency** 88 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F17435\_HEKLA-G2-C



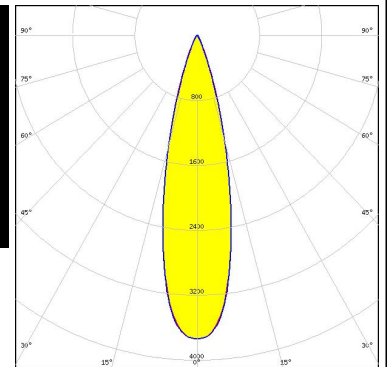
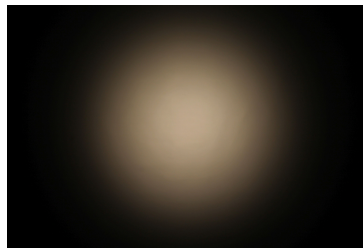
### OPTICAL RESULTS (MEASURED):



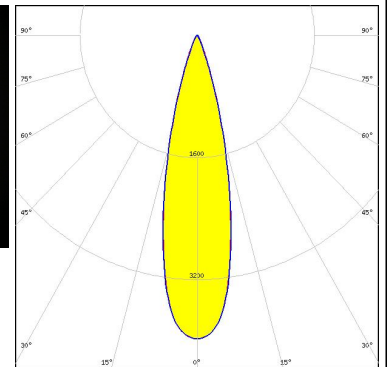
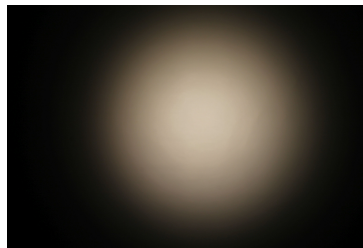
LED CxM-9 (13.5x13.5)  
 Ordering code C17791\_AMY-45-M  
 FWHM / FWTM 28.0° / 50.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



LED COB S-Type (LES 7)  
 Ordering code C17791\_AMY-45-M  
 FWHM / FWTM 26.0° / 45.0°  
 Efficiency 89 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



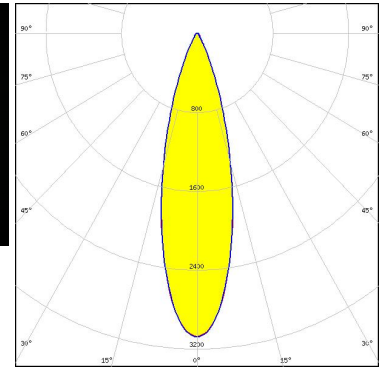
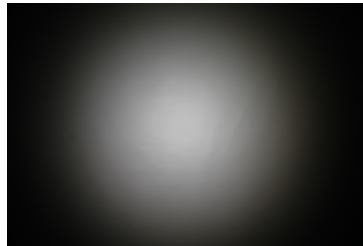
LED COB T-Type  
 Ordering code C17791\_AMY-45-M  
 FWHM / FWTM 25.0° / 43.0°  
 Efficiency 90 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

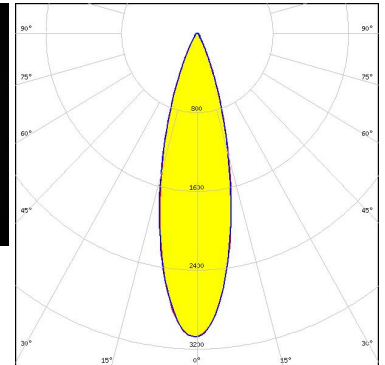
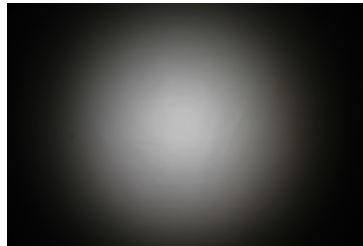
LED LC003D / LC006D / LC009D / LC013D  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 28.0° / 52.0°  
Efficiency 95 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
BJB: 47.360.1020



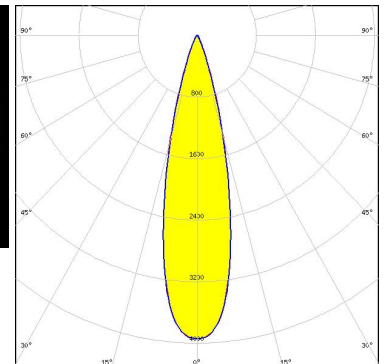
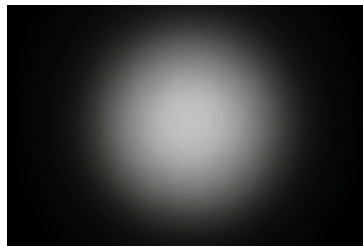
Light distribution files

#### SAMSUNG

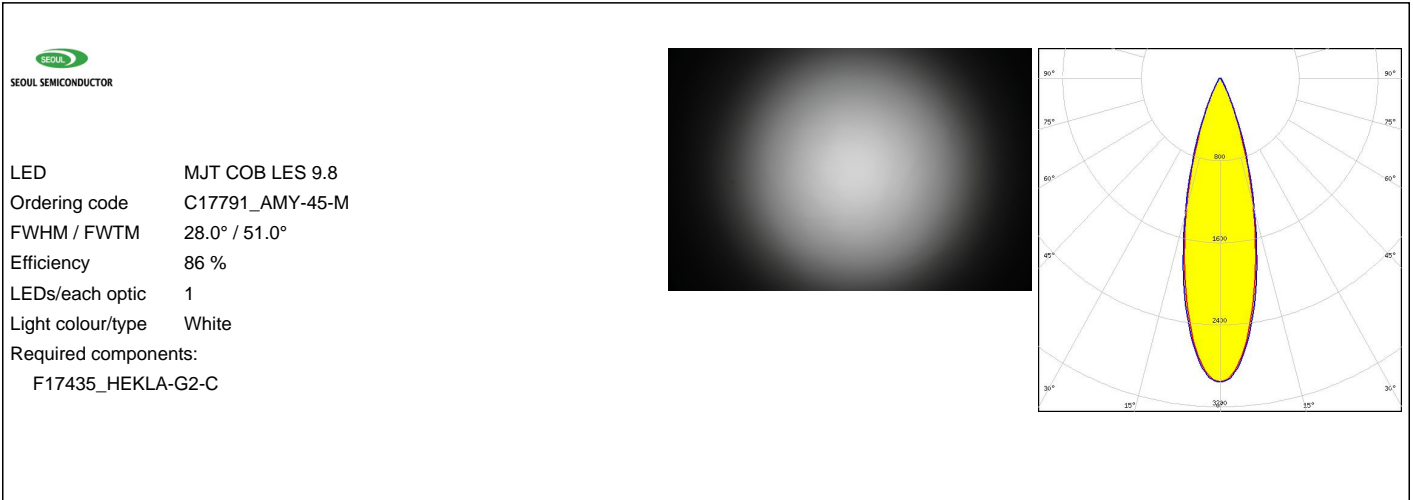
LED LC003D / LC006D / LC009D / LC013D  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 28.0° / 52.0°  
Efficiency 95 %  
LEDs/each optic 1  
Light colour/type White  
Required components:



LED MJT COB LES 6  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 25.0° / 43.0°  
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



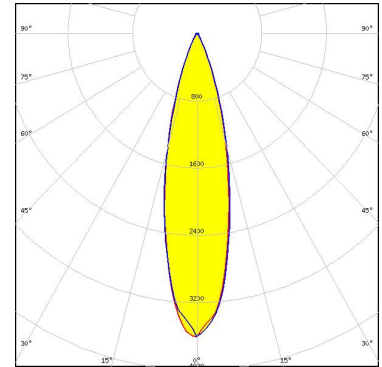
### OPTICAL RESULTS (MEASURED):



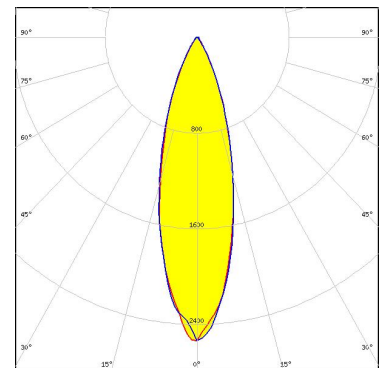
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU712/713  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 26.0° / 48.0°  
Efficiency 93 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17438\_HEKLA-G2-I



LED CMA1825  
Ordering code C17791\_AMY-45-M  
FWHM / FWTM 29.0° / 59.0°  
Efficiency 90 %  
Peak intensity 2.5 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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Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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