

AMY-45-W

~36° wide beam

SPECIFICATION:

Dimensions	Ø
Height	0 mm
Fastening	screw
ROHS compliant	yes ⓘ

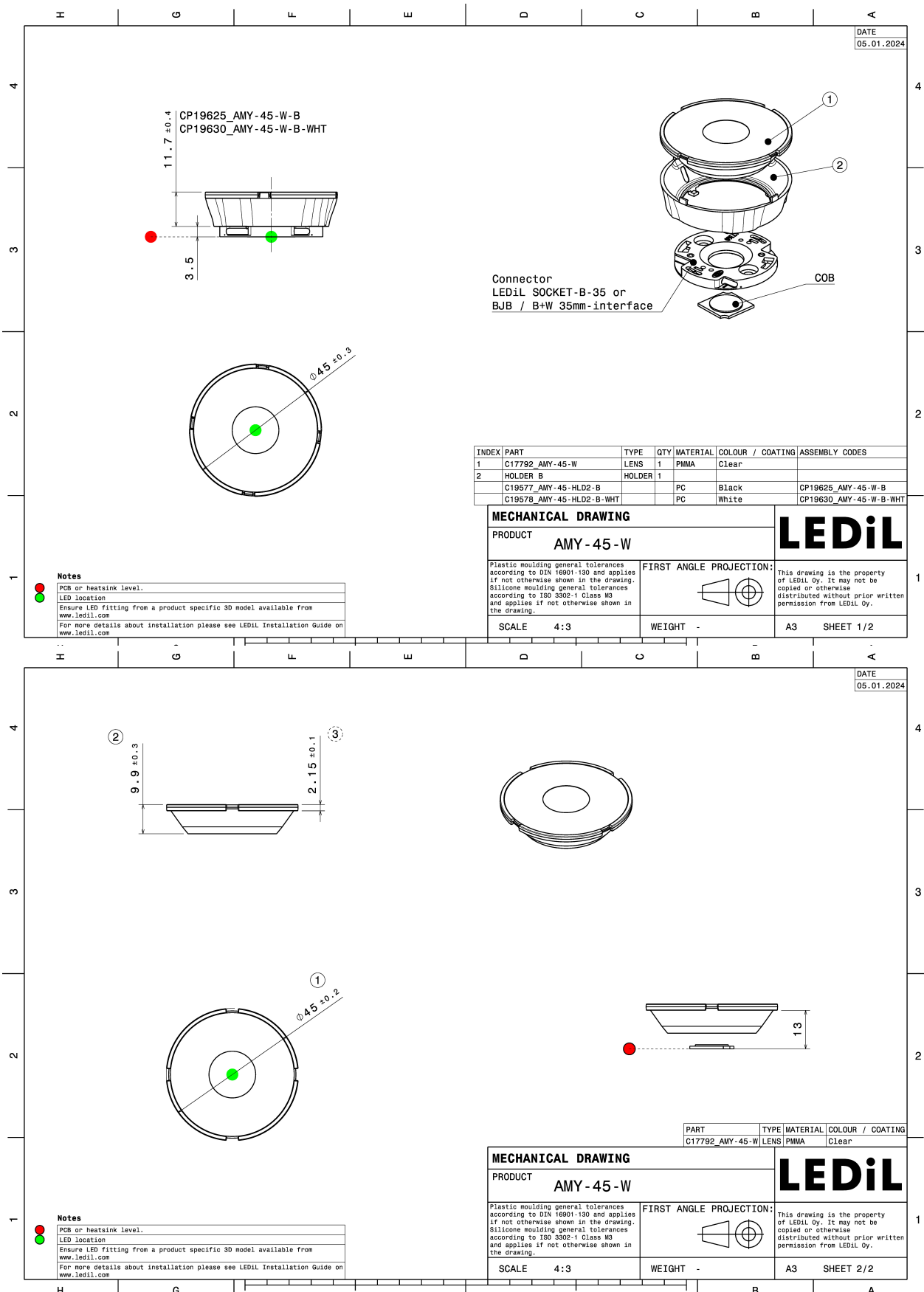
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-45-W	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)
C17792_AMY-45-W	1035	180	45	10.0
<b>Assembly</b>				
CP19630_AMY-45-W-B-WHT	900	180	45	11.4
CP19625_AMY-45-W-B	900	180	45	11.4

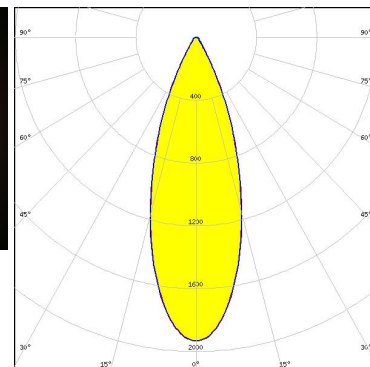
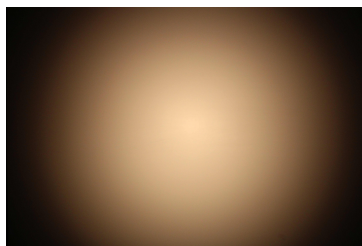


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



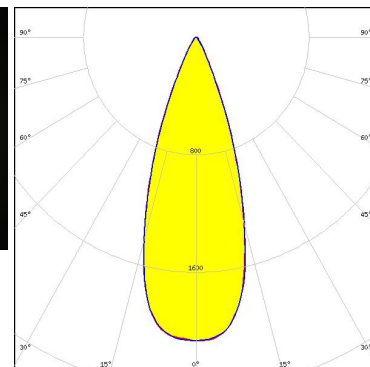
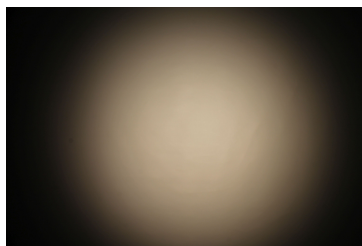
**LED** V11 HD Gen 8  
**Ordering code** C17792\_AMY-45-W  
**FWHM / FWTM** 35.0° / 62.0°  
**Efficiency** 87 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 Bender Wirth: 633d Hekla



Light distribution files



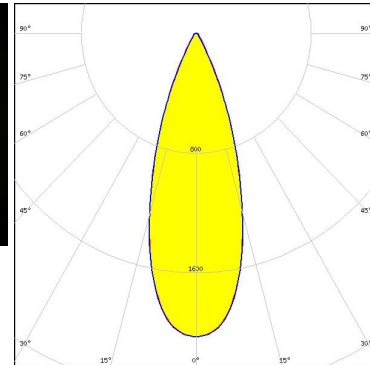
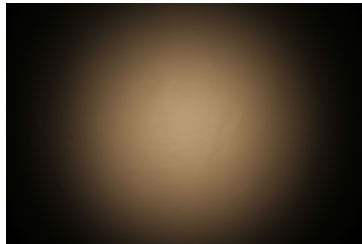
**LED** V6 HD Gen 7  
**Ordering code** C17792\_AMY-45-W  
**FWHM / FWTM** 36.0° / 56.0°  
**Efficiency** 87 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15255\_HEKLA-SOCKET-C



Light distribution files



**LED** V9 HD Gen7  
**Ordering code** C17792\_AMY-45-W  
**FWHM / FWTM** 35.0° / 58.0°  
**Efficiency** 84 %  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 F15859\_HEKLA-SOCKET-I

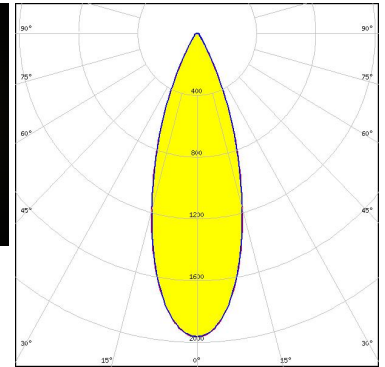
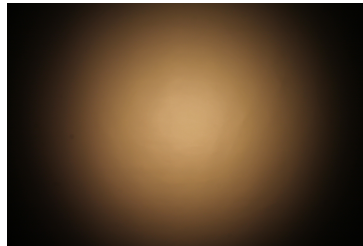


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

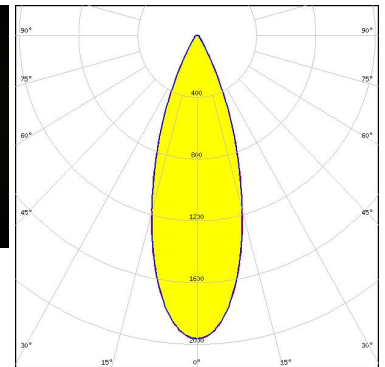
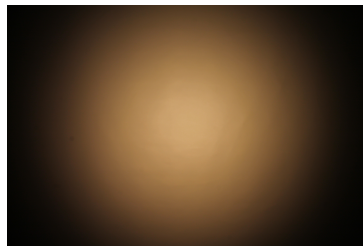
LED CLU02x (LES10)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 60.0°  
 Efficiency 84 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files

#### CITIZEN

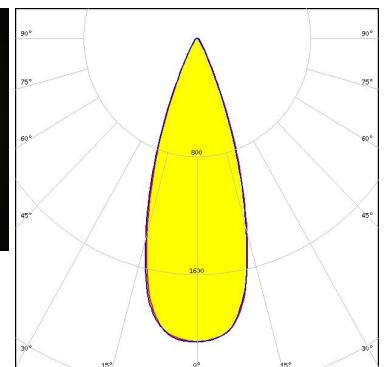
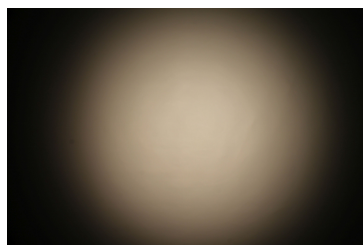
LED CLU02x (LES10)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 60.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 86 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

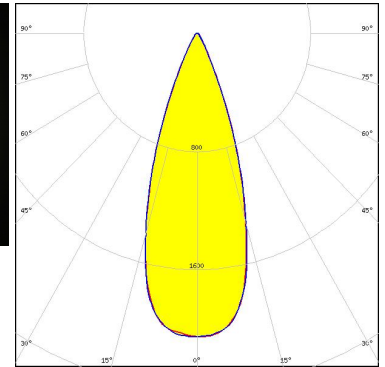
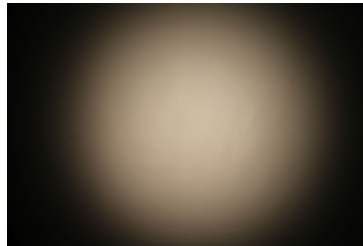


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

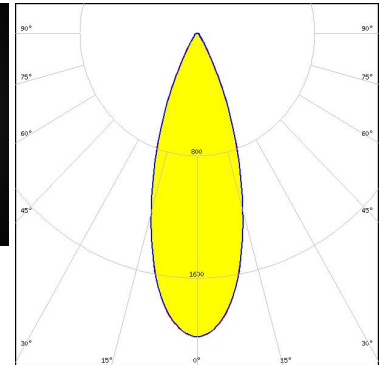
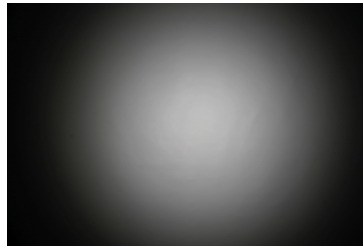
LED CLU700/701/702/703  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



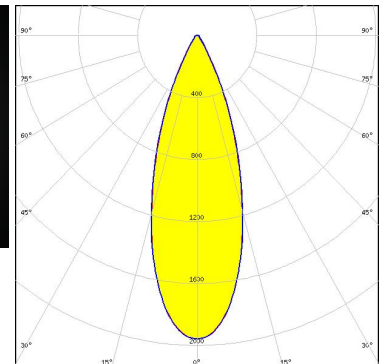
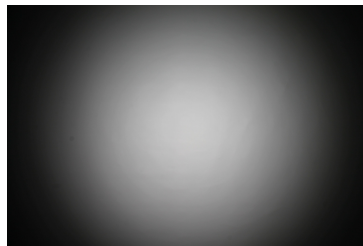
LED CMA1516  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17436\_HEKLA-G2-D



Light distribution files



LED CMT14xx  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 60.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

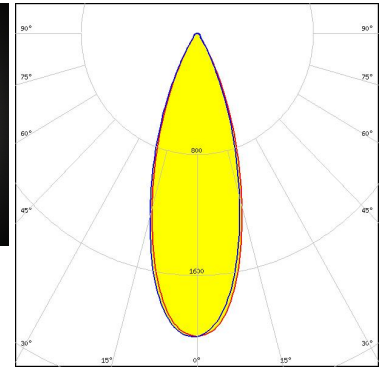
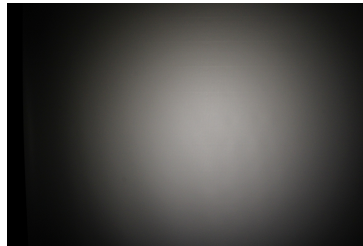


Light distribution files

### OPTICAL RESULTS (MEASURED):



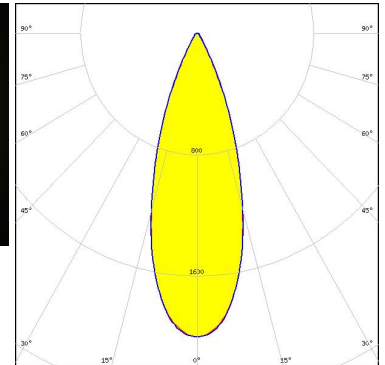
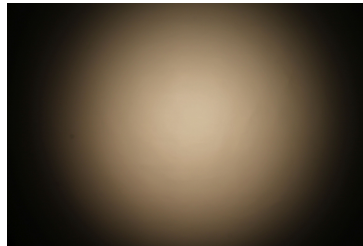
LED CMU10xx  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 61.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020



Light distribution files



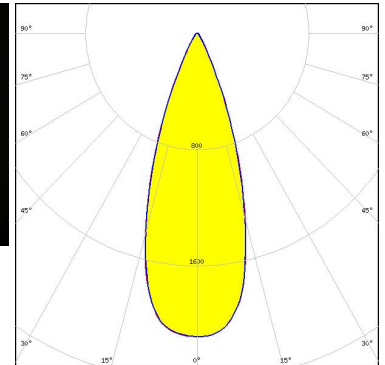
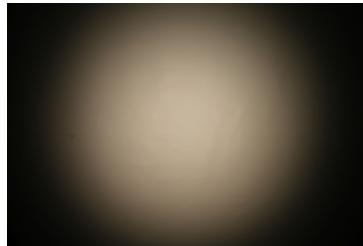
LED LUXEON CoB 1202/1203  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 83 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17437\_HEKLA-G2-H



Light distribution files



LED LUXEON CoB 1202s  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 57.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G

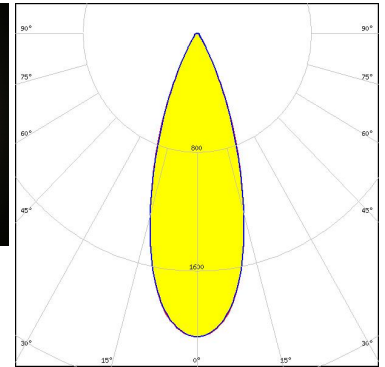
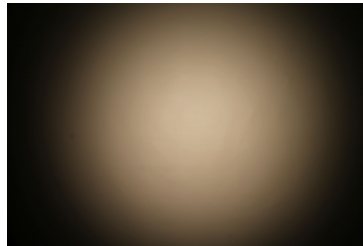


Light distribution files

### OPTICAL RESULTS (MEASURED):



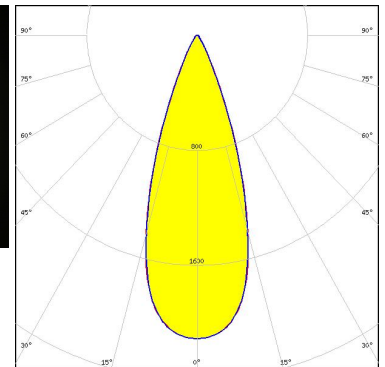
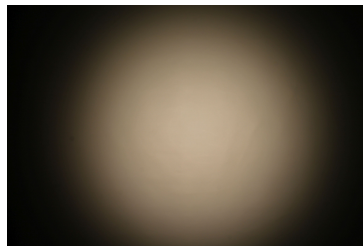
LED LUXEON CX Plus CoB M02 / M03 (Gen2)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 59.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15256\_HEKLA-SOCKET-D



Light distribution files



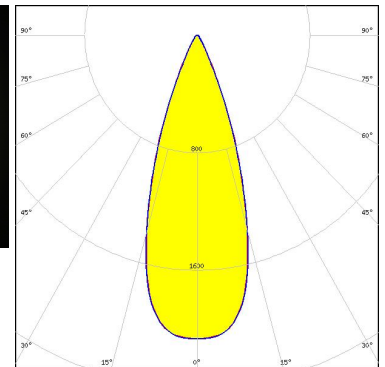
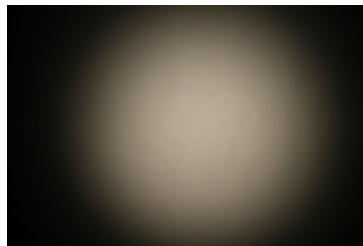
LED LUXEON CX Plus CoB S01 (Gen2)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15956\_HEKLA-SOCKET-J



Light distribution files



LED CxM-6 (13.5x13.5)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

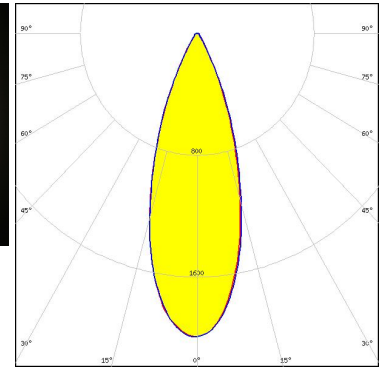
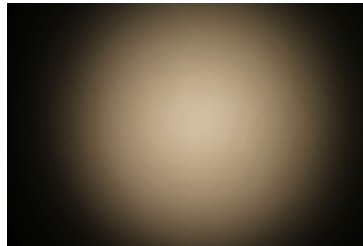


Light distribution files

### OPTICAL RESULTS (MEASURED):



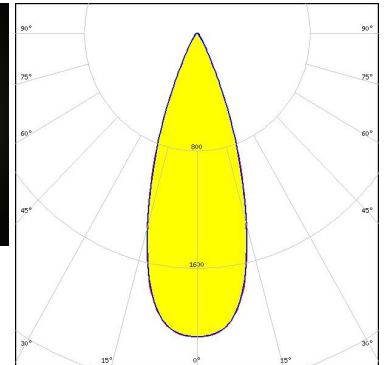
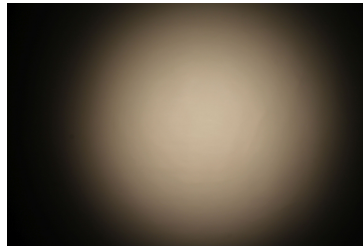
LED CxM-9 (13.5x13.5)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 60.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files



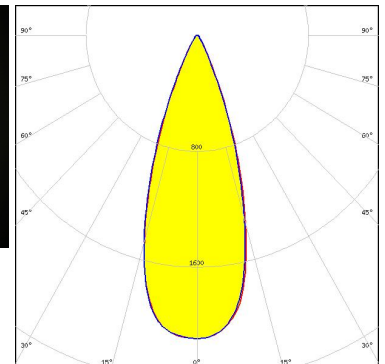
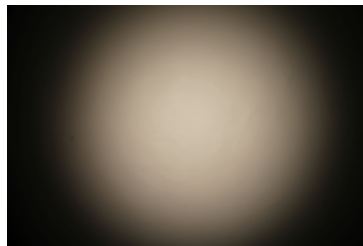
LED COB S-Type (LES 7)  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 57.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G



Light distribution files



LED COB T-Type  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 87 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F15848\_HEKLA-SOCKET-G

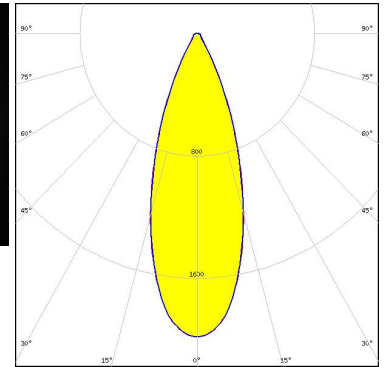
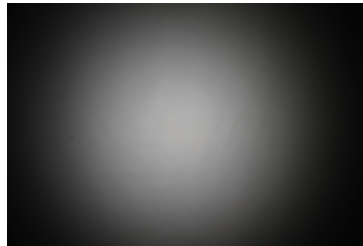


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

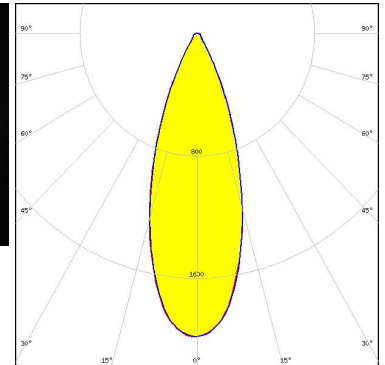
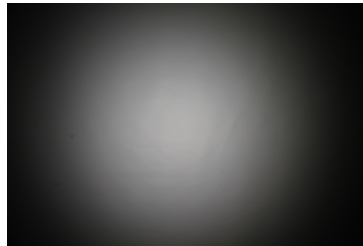
LED LC003D / LC006D / LC009D / LC013D  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 62.0°  
 Efficiency 94 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020



Light distribution files

#### SAMSUNG

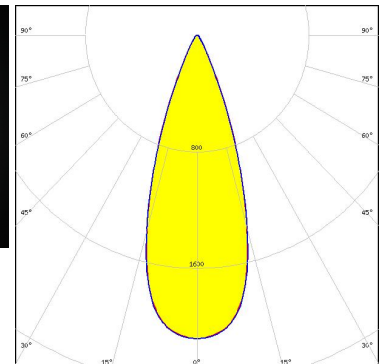
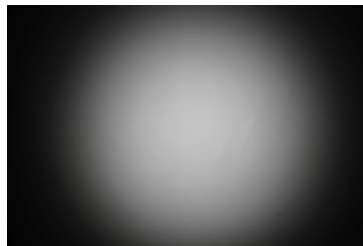
LED LC003D / LC006D / LC009D / LC013D  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 62.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 BJB: 47.360.1020



Light distribution files



LED MJT COB LES 6  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 36.0° / 56.0°  
 Efficiency 86 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

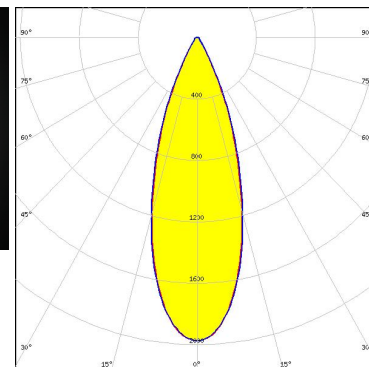
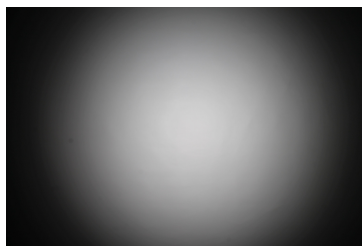


Light distribution files

### OPTICAL RESULTS (MEASURED):



LED MJT COB LES 9.8  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 35.0° / 60.0°  
 Efficiency 84 %  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

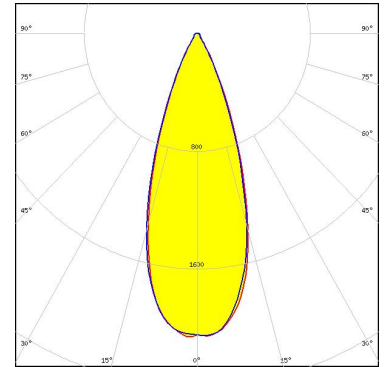


Light distribution files

### OPTICAL RESULTS (SIMULATED):



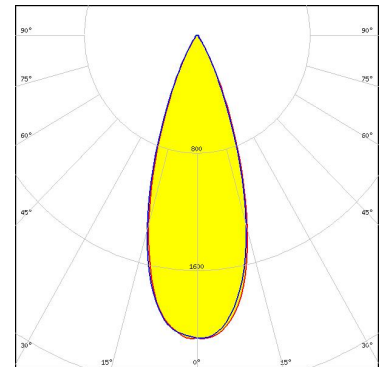
LED V6 HD Gen 8  
 Ordering code CP19630\_AMY-45-W-B-WHT  
 FWHM / FWTM 37.0° / 60.0°  
 Efficiency 92 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18968\_SOCKET-B-35-C



Light distribution files



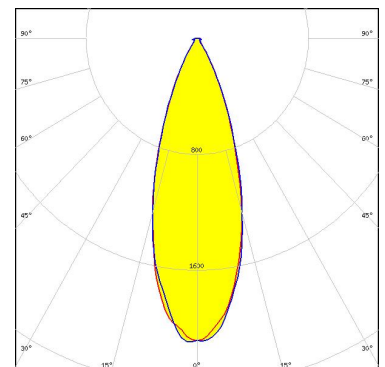
LED V6 HD Gen 8  
 Ordering code CP19625\_AMY-45-W-B  
 FWHM / FWTM 36.0° / 59.0°  
 Efficiency 87 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C18968\_SOCKET-B-35-C



Light distribution files

### CITIZEN

LED CLU712/713  
 Ordering code C17792\_AMY-45-W  
 FWHM / FWTM 34.0° / 61.0°  
 Efficiency 92 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I

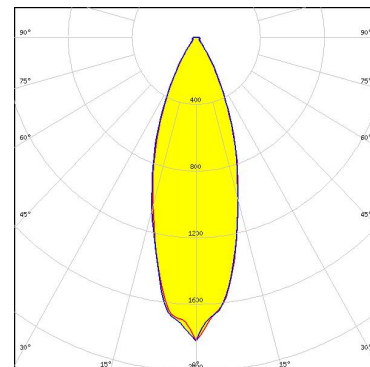


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED	CMA1825
Ordering code	C17792_AMY-45-W
FWHM / FWTM	34.0° / 67.0°
Efficiency	88 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F15254_HEKLA-SOCKET-B



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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 7  
FI-24100 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
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)