

### AMY-45-ZOOM

Infinitely adjustable beam from 20 to 50 degrees.

#### SPECIFICATION:

Dimensions	Ø 45.0
Height	11.9 mm
Fastening	screw
ROHS compliant	yes 



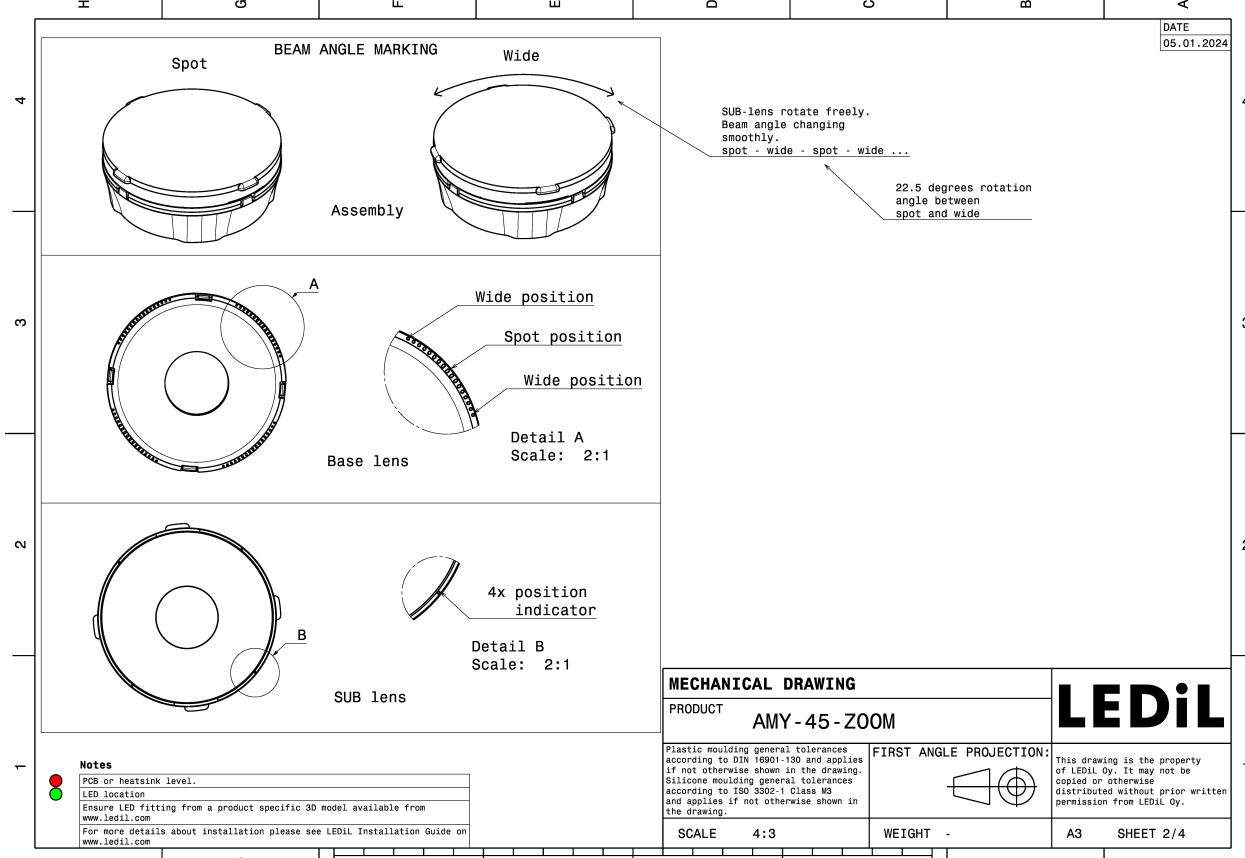
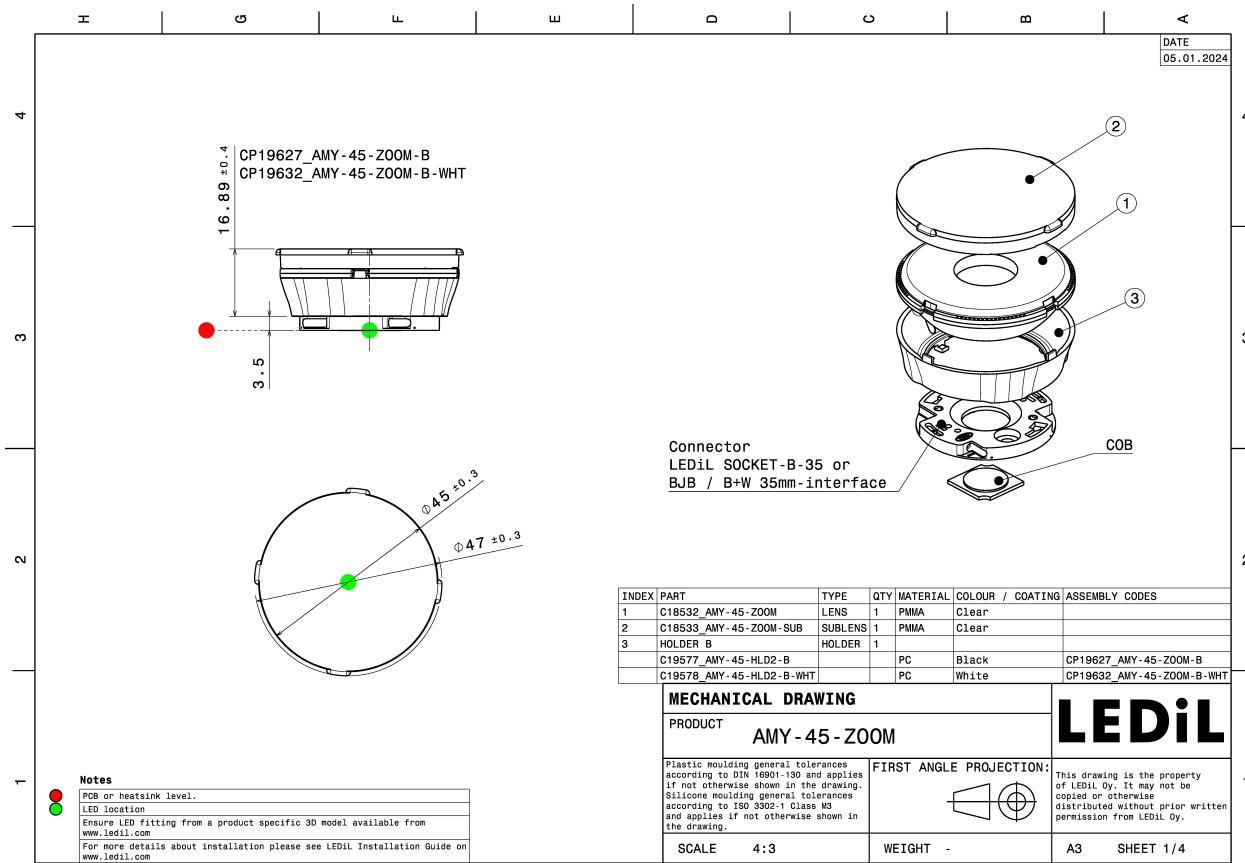
LEDiL®

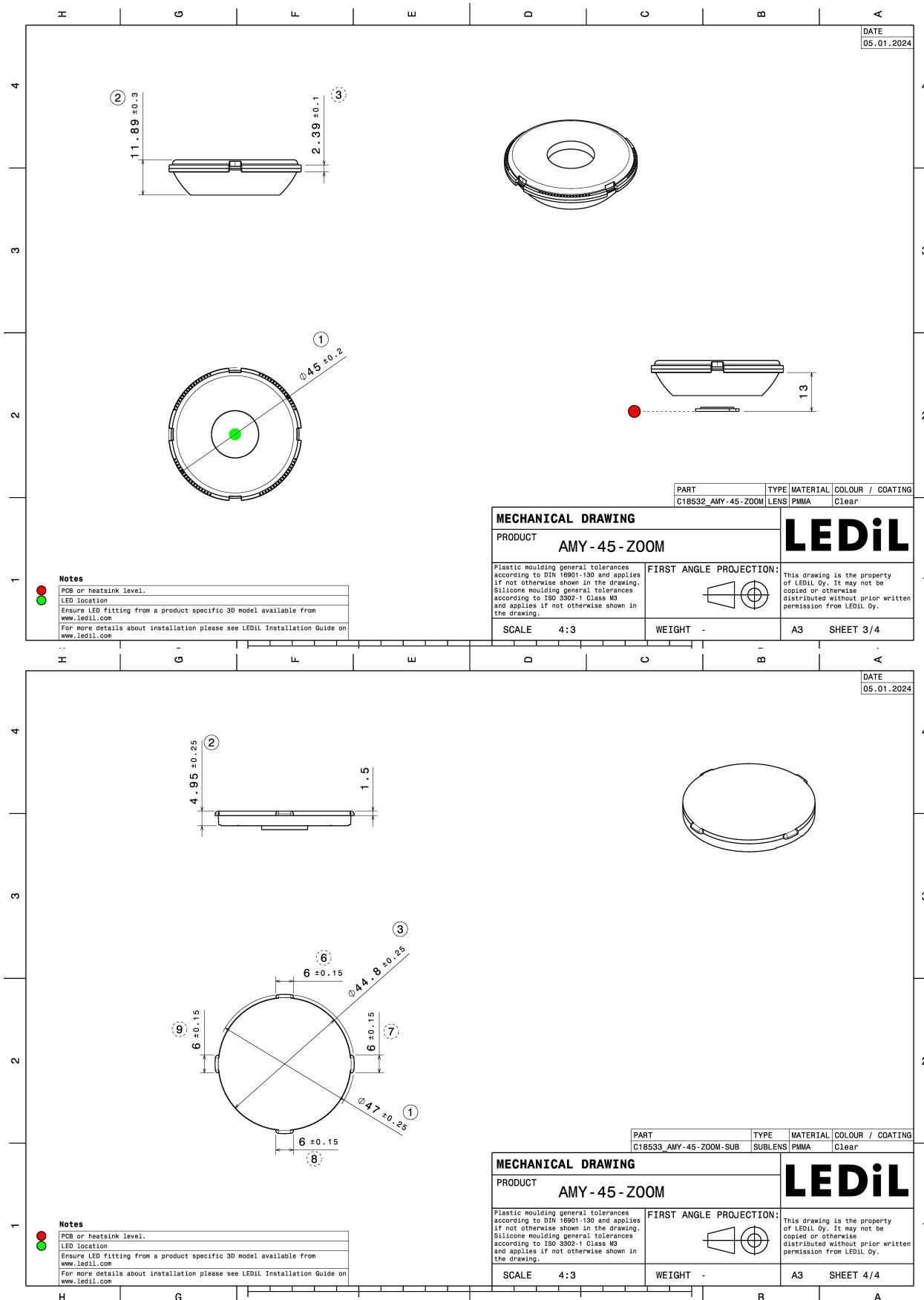
#### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
AMY-45-ZOOM	Single lens	PMMA	clear		
AMY-45-ZOOM-SUB	Sublens	PMMA	clear		
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)
C18532_AMY-45-ZOOM	1035	180	45	12.1
C18533_AMY-45-ZOOM-SUB	1035	180	45	7.2
<b>Assembly</b>				
CP19632_AMY-45-ZOOM-B-WHT	765	180	45	11.5
CP19627_AMY-45-ZOOM-B	765	180	45	11.5



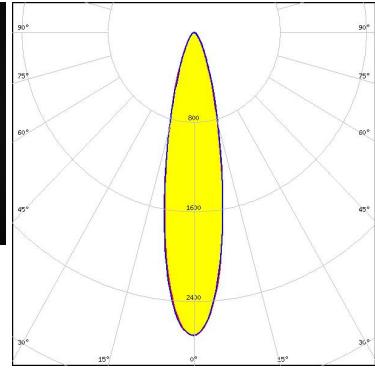
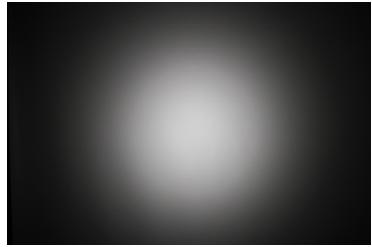


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

#### CITIZEN

LED CLU02x (LES10)  
Ordering code C18532\_AMY-45-ZOOM  
FWHM / FWTM 23.0 + 52.0° / 50.0 + 88.0°  
Efficiency 73 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C  
C18533\_AMY-45-ZOOM-SUB

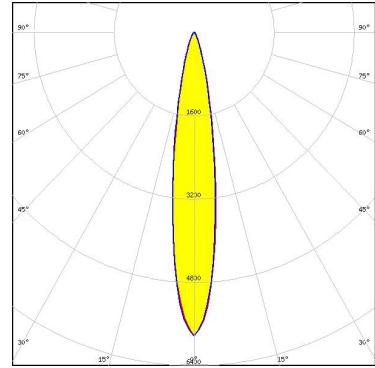


[Light distribution files](#)

### OPTICAL RESULTS (SIMULATED):



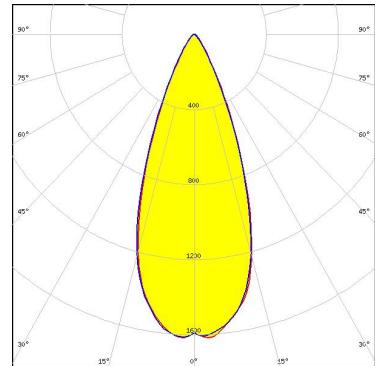
LED	V6 HD Gen 8
Ordering code	CP19632_AMY-45-ZOOM-B-WHT
FWHM / FWTM	17.0 + 50.0° / 37.0 + 84.0°
Efficiency	89 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C18968_SOCKET-B-35-C
	C18533_AMY-45-ZOOM-SUB



Light distribution files



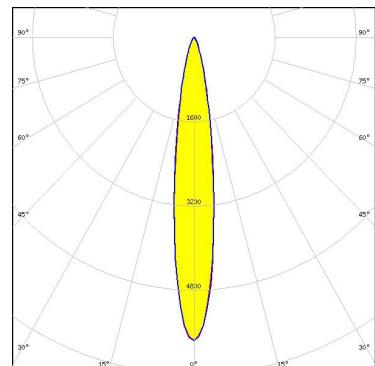
LED	V6 HD Gen 8
Ordering code	CP19627_AMY-45-ZOOM-B
FWHM / FWTM	16.0 + 51.0° / 36.0 + 82.0°
Efficiency	85 %
Peak intensity	6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C18968_SOCKET-B-35-C
	C18533_AMY-45-ZOOM-SUB



Light distribution files

### CITIZEN

LED	CLU700/701/702/703
Ordering code	C18532_AMY-45-ZOOM
FWHM / FWTM	16.0 + 51.0° / 36.0 + 82.0°
Efficiency	80 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C
	C18533_AMY-45-ZOOM-SUB

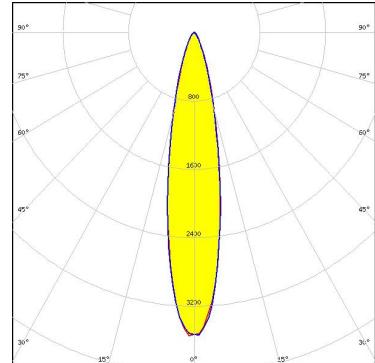


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

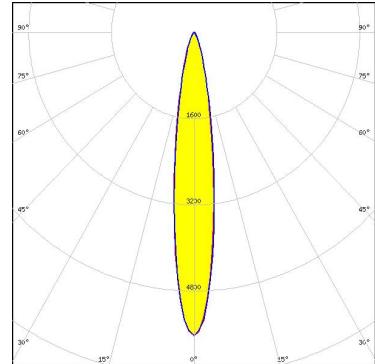
LED LC003D / LC006D / LC009D / LC013D  
 Ordering code C18532\_AMY-45-ZOOM  
 FWHM / FWTM  $21.0 + 51.0^\circ / 45.0 + 86.0^\circ$   
 Efficiency 78 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C  
 C18533\_AMY-45-ZOOM-SUB



Light distribution files

#### SAMSUNG

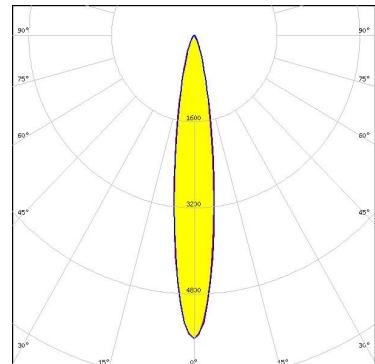
LED LC010C  
 Ordering code C18532\_AMY-45-ZOOM  
 FWHM / FWTM  $16.0 + 51.0^\circ / 37.0 + 83.0^\circ$   
 Efficiency 81 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C  
 C18533\_AMY-45-ZOOM-SUB



Light distribution files

#### SAMSUNG

LED LC010C  
 Ordering code CN18534\_AMY-45-ZOOM  
 FWHM / FWTM  $15.7 + 50.6^\circ / 36.5 + 83.0^\circ$   
 Efficiency 81 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



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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