

## YASMEEN-50-FR-S

~6° ultra-narrow spot beam

## SPECIFICATION:

Dimensions	Ø 49.9
Height	28.4 mm
Fastening	socket
ROHS compliant	yes ⓘ

## MATERIALS:

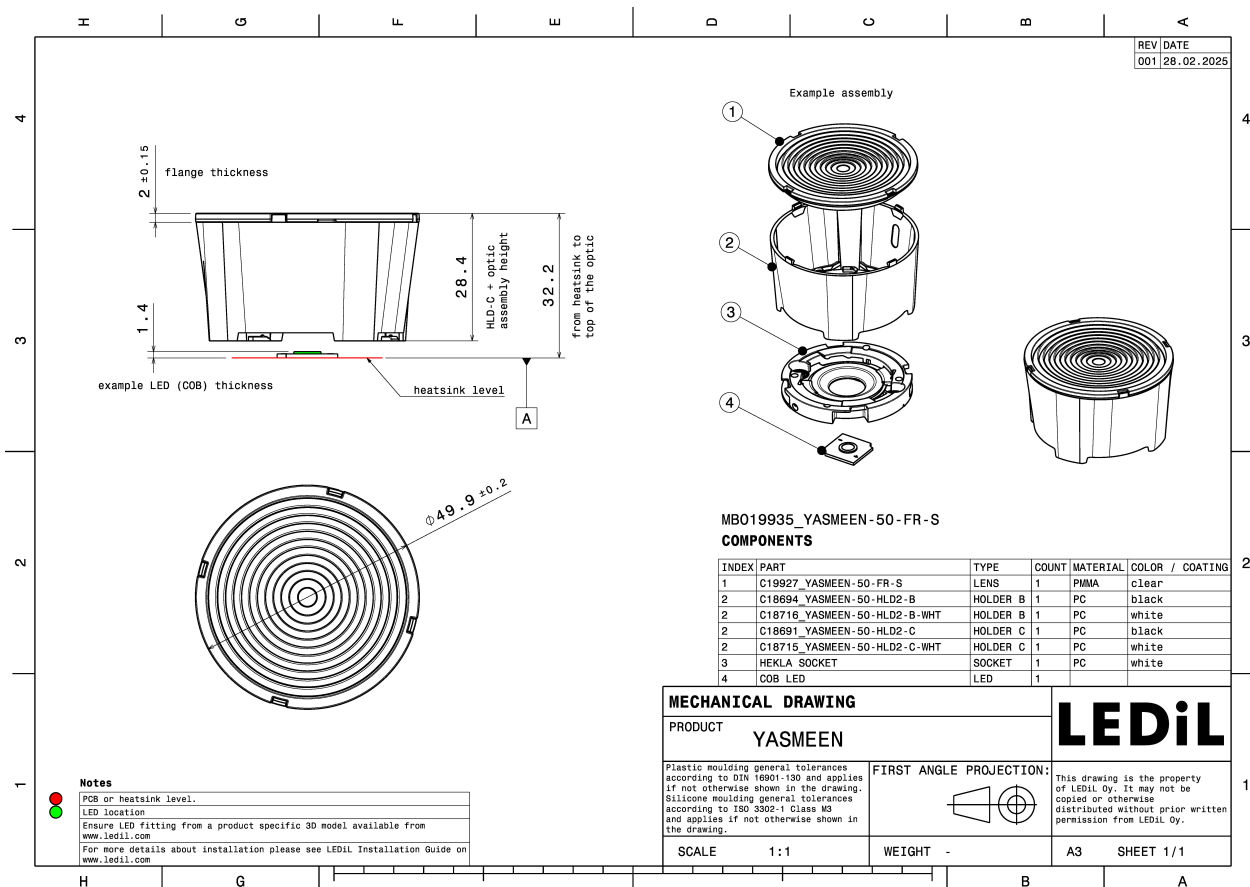
Component	Type	Material	Colour	Finish	Length (mm)
YASMEEN-50-FR-S	Single lens	PMMA	clear		
YASMEEN-50-HLD2-C-WHT-RW	Holder	PC	white		
YASMEEN-50-HLD2-B-WHT-RW	Holder	PC	white		
YASMEEN-50-HLD2-B	Holder B	PC	black		
YASMEEN-50-HLD2-C	Holder C	PC	black		



## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C19927_YASMEEN-50-FR-S	1400	120	40	9.3
C18691_YASMEEN-50-HLD2-C	500	60	10	3.7
C18694_YASMEEN-50-HLD2-B	750	60	10	5.5
C19976_YASMEEN-50-HLD2-B-WHT-RW	750	60	10	5.8
C19978_YASMEEN-50-HLD2-C-WHT-RW	500	60	10	3.6

## Assembly

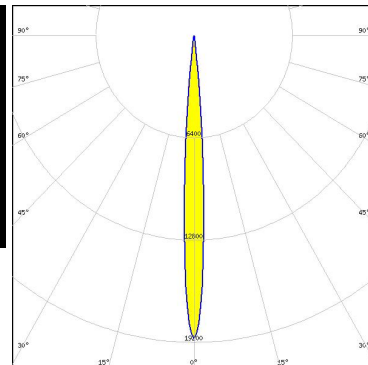


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):

## CITIZEN

LED	CLU7A2/7A3
Ordering code	C19927_YASMEEN-50-FR-S
FWHM / FWTM	8.0° / 13.0°
Efficiency	44 %
Peak intensity	19 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C

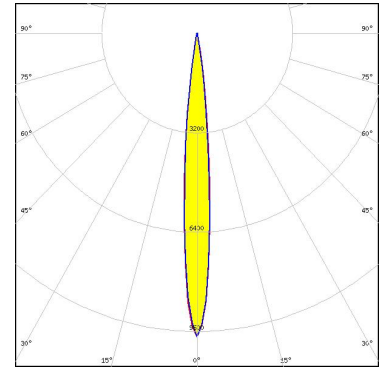


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED Vesta TW 6mm DP  
 Ordering code C19927\_YASMEEN-50-FR-S  
 FWHM / FWTM 10.0° / 19.0°  
 Efficiency 40 %  
 Peak intensity 9.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C16142\_HEKLA-SOCKET-K

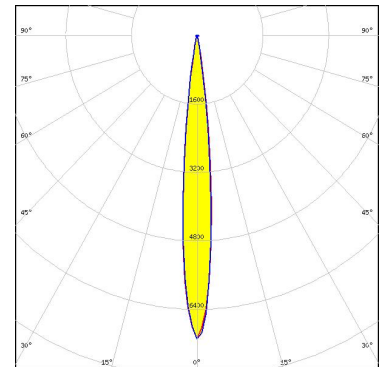


Light distribution files

Bender Wirth: 504 Typ L8



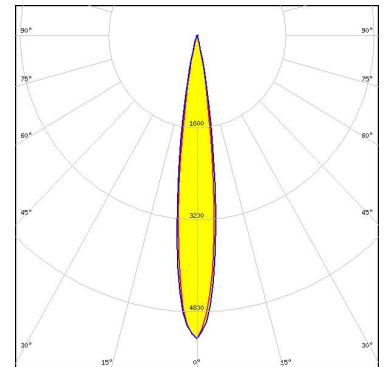
LED Vesta TW 6mm DP  
 Ordering code C19927\_YASMEEN-50-FR-S  
 FWHM / FWTM 10.0° / 20.0°  
 Efficiency 35 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C19950\_HEKLA-SOCKET-RZ



Light distribution files



LED Vesta TW 9mm (9W) DP  
 Ordering code C19927\_YASMEEN-50-FR-S  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 39 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F19861\_HEKLA-G2B-TW1

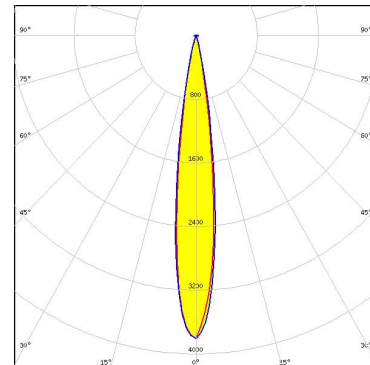


Light distribution files

### OPTICAL RESULTS (SIMULATED):



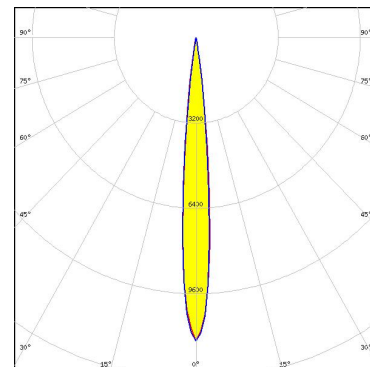
LED Vesta TW 9mm (9W) DP  
 Ordering code C19927\_YASMEEN-50-FR-S  
 FWHM / FWTM 15.0° / 26.0°  
 Efficiency 34 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C19950\_HEKLA-SOCKET-RZ



Light distribution files

### CITIZEN

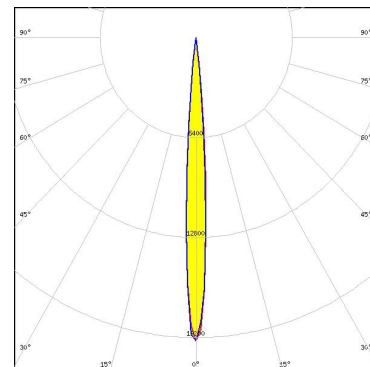
LED CLU700/701/702/703  
 FWHM / FWTM 10.0° / 18.0°  
 Efficiency 40 %  
 Peak intensity 11.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C



Light distribution files

### CITIZEN

LED CLU7A2/7A3  
 FWHM / FWTM 8.0° / 14.0°  
 Efficiency 40 %  
 Peak intensity 19.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C

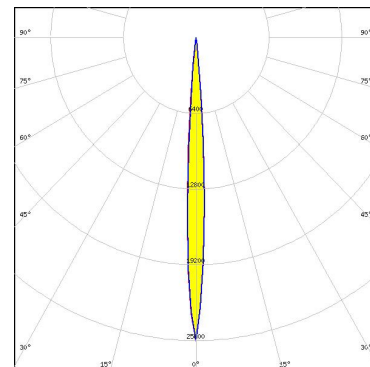


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

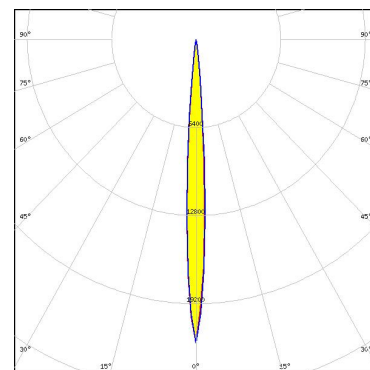
LED CLU7L3  
FWHM / FWTM 6.0° / 12.0°  
Efficiency 40 %  
Peak intensity 25.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19425\_SOCKET-B-35-N



Light distribution files

#### CITIZEN

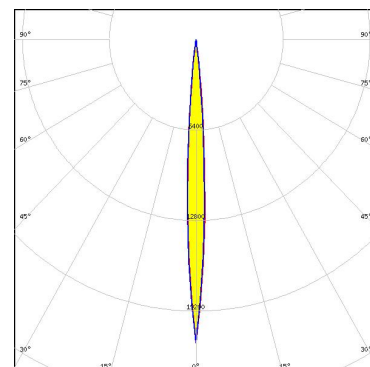
LED CLU7S3  
FWHM / FWTM 7.0 + 6.0° / 13.0°  
Efficiency 40 %  
Peak intensity 22.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C19425\_SOCKET-B-35-N



Light distribution files



LED CHA0304  
FWHM / FWTM 7.0° / 14.0°  
Efficiency 41 %  
Peak intensity 21.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
F17435\_HEKLA-G2-C



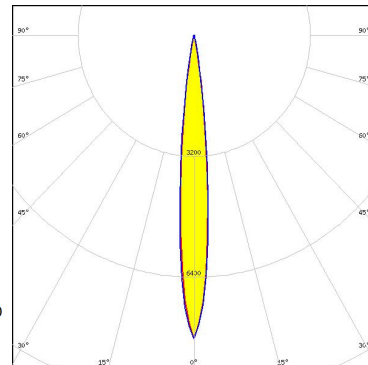
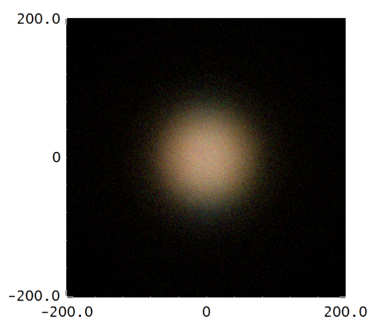
Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED CTM-6 (Tunable White) Gen2  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 38 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C16142\_HEKLA-SOCKET-K

Bender Wirth: 495 Typ L8



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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