

## YASMEEN-70-FR-S

~5° ultra-narrow spot beam

## SPECIFICATION:

Dimensions	Ø 69.9
Height	40.2 mm
Fastening	socket
ROHS compliant	yes ⓘ

## MATERIALS:

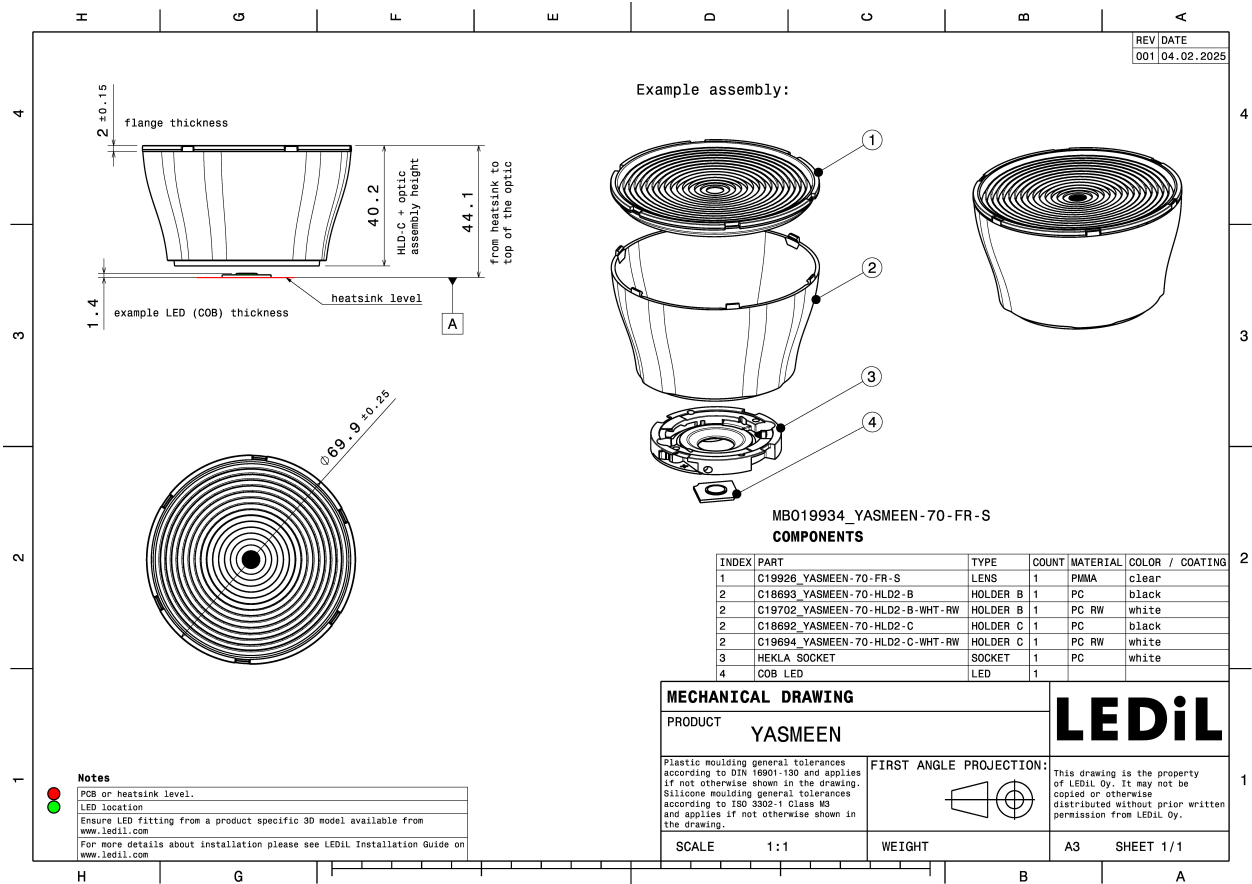
Component	Type	Material	Colour	Finish	Length (mm)
YASMEEN-70-HLD2-B-WHT-RW	Holder B	PC	white		
YASMEEN-70-HLD2-C-WHT-RW	Holder C	PC	white		
YASMEEN-70-HLD2-B	Holder B	PC	black		
YASMEEN-70-HLD2-C	Holder C	PC	black		
YASMEEN-70-FR-S	Single lens	PMMA	clear	gloss	



## ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C19926_YASMEEN-70-FR-S	400	120	20	5.4
C18692_YASMEEN-70-HLD2-C	400	60	10	6.1
C18693_YASMEEN-70-HLD2-B	400	60	10	6.5
C19694_YASMEEN-70-HLD2-C-WHT-RW	400	60	10	6.2
C19702_YASMEEN-70-HLD2-B-WHT-RW	400	60	10	6.5

## Assembly



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

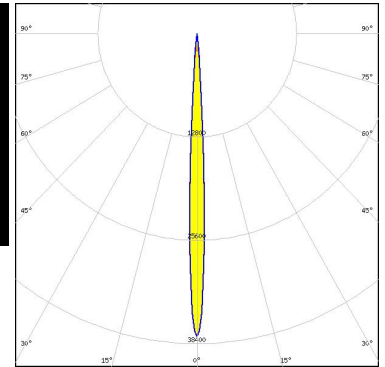
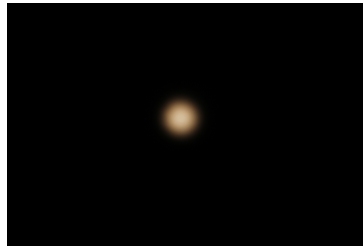
## OPTICAL RESULTS (MEASURED):

## CITIZEN

LED CLU7A2/7A3  
FWHM / FWTM 6.0° / 10.0°  
Efficiency 47 %  
Peak intensity 37.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

## Required components:

F17435\_HEKLA-G2-C  
C18692\_YASMEEN-70-HLD2-C

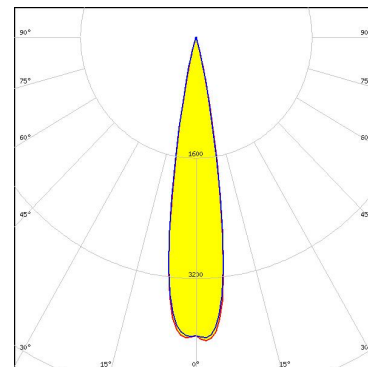


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

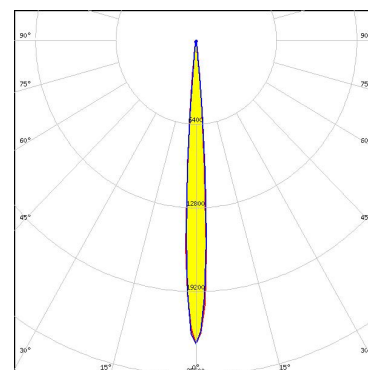
LED CLU03x  
 Ordering code C19926\_YASMEEN-70-FR-S  
 FWHM / FWTM 18.0° / 28.0°  
 Efficiency 42 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I  
 C18692\_YASMEEN-70-HLD2-C



Light distribution files

#### CITIZEN

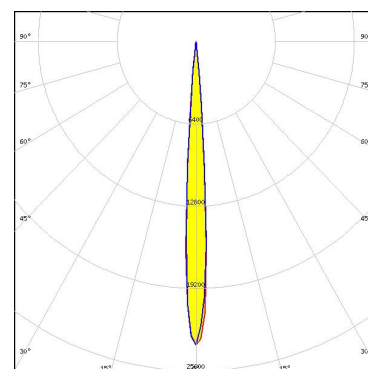
LED CLU700/701/702/703  
 FWHM / FWTM 7.5° / 12.5°  
 Efficiency 79 %  
 Peak intensity 23.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C  
 C19694\_YASMEEN-70-HLD2-C-WHT-RW



Light distribution files

#### CITIZEN

LED CLU700/701/702/703  
 FWHM / FWTM 7.5° / 12.0°  
 Efficiency 42 %  
 Peak intensity 23.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C  
 C18692\_YASMEEN-70-HLD2-C



Light distribution files

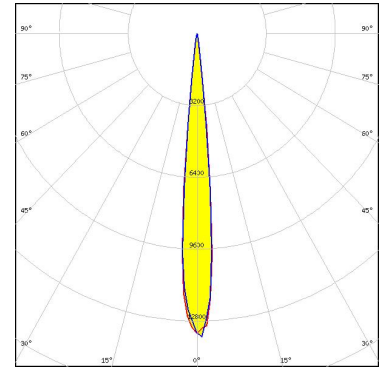
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU712/713  
FWHM / FWTM 10.0° / 16.0°  
Efficiency 42 %  
Peak intensity 13.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C  
C18692\_YASMEEN-70-HLD2-C



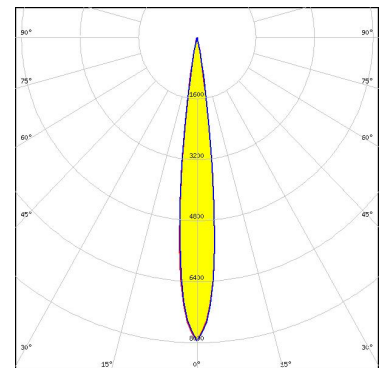
Light distribution files

#### CITIZEN

LED CLU720/721/723  
Ordering code C19926\_YASMEEN-70-FR-S  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 43 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17438\_HEKLA-G2-I  
C18692\_YASMEEN-70-HLD2-C



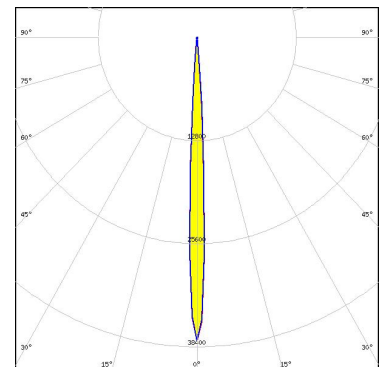
Light distribution files

#### CITIZEN

LED CLU7A2/7A3  
FWHM / FWTM 6.0° / 10.0°  
Efficiency 79 %  
Peak intensity 37.7 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C  
C19694\_YASMEEN-70-HLD2-C-WHT-RW

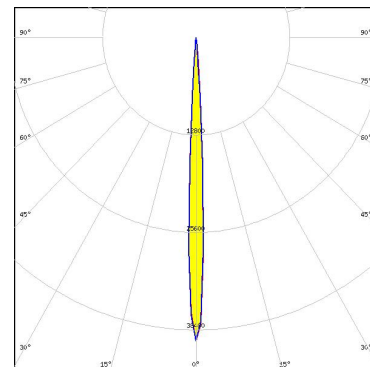


Light distribution files

### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

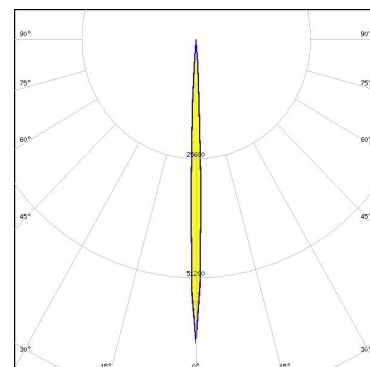
LED CLU7A2/7A3  
 FWHM / FWTM 5.4° / 9.5°  
 Efficiency 42 %  
 Peak intensity 39.9 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17435\_HEKLA-G2-C  
 C18692\_YASMEEN-70-HLD2-C



Light distribution files

#### CITIZEN

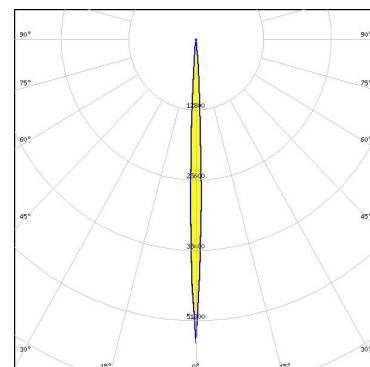
LED CLU7L3  
 FWHM / FWTM 3.8° / 7.4°  
 Efficiency 42 %  
 Peak intensity 65.2 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C19425\_SOCKET-B-35-N  
 C18693\_YASMEEN-70-HLD2-B



Light distribution files

#### CITIZEN

LED CLU7L3  
 FWHM / FWTM 4.0° / 9.0°  
 Efficiency 75 %  
 Peak intensity 55.3 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 C19425\_SOCKET-B-35-N  
 C19702\_YASMEEN-70-HLD2-B-WHT-RW



Light distribution files

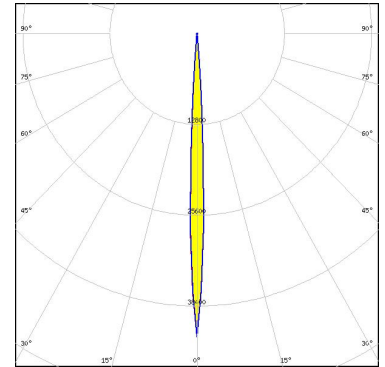
### OPTICAL RESULTS (SIMULATED):

#### CITIZEN

LED CLU7S3  
FWHM / FWTM 5.0° / 10.0°  
Efficiency 76 %  
Peak intensity 42.8 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C19425\_SOCKET-B-35-N  
C19702\_YASMEEN-70-HLD2-B-WHT-RW



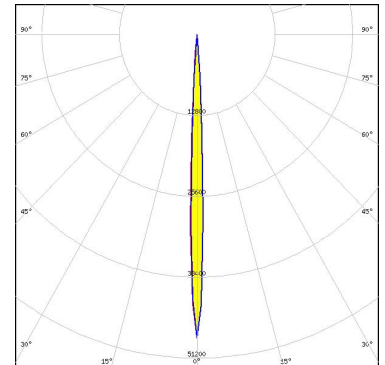
Light distribution files

#### CITIZEN

LED CLU7S3  
FWHM / FWTM 4.5° / 8.6°  
Efficiency 42 %  
Peak intensity 48 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

C19425\_SOCKET-B-35-N  
C18693\_YASMEEN-70-HLD2-B



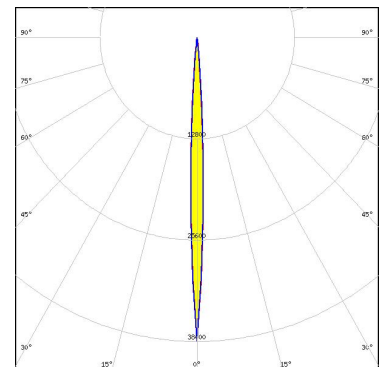
Light distribution files



LED CHA0304  
FWHM / FWTM 5.0° / 10.0°  
Efficiency 42 %  
Peak intensity 38.3 cd/lm  
LEDs/each optic 1  
Light colour/type White

Required components:

F17435\_HEKLA-G2-C  
C18692\_YASMEEN-70-HLD2-C



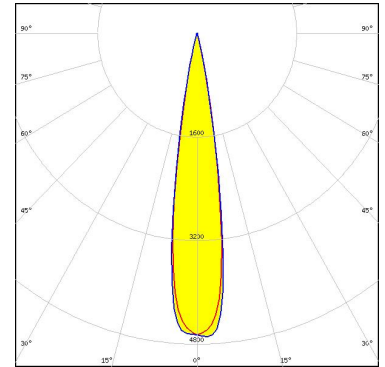
Light distribution files



### OPTICAL RESULTS (SIMULATED):



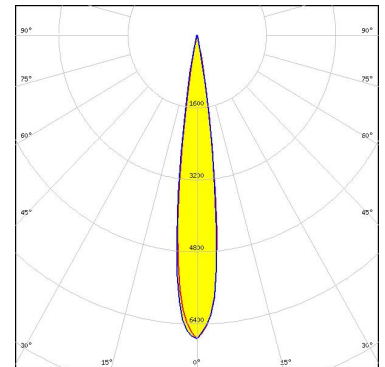
LED CMU15xx  
 Ordering code C19926\_YASMEEN-70-FR-S  
 FWHM / FWTM 18.0° / 26.0°  
 Efficiency 43 %  
 Peak intensity 4.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I  
 C18692\_YASMEEN-70-HLD2-C



Light distribution files



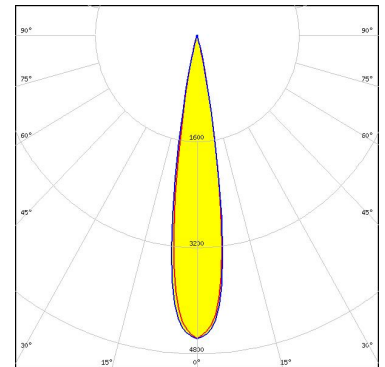
LED CxM-11 (19x19)  
 Ordering code C19926\_YASMEEN-70-FR-S  
 FWHM / FWTM 14.0° / 22.0°  
 Efficiency 42 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I  
 C18692\_YASMEEN-70-HLD2-C



Light distribution files



LED CxM-14 (19x19)  
 Ordering code C19926\_YASMEEN-70-FR-S  
 FWHM / FWTM 18.0° / 27.0°  
 Efficiency 43 %  
 Peak intensity 4.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:  
 F17438\_HEKLA-G2-I  
 C18692\_YASMEEN-70-HLD2-C



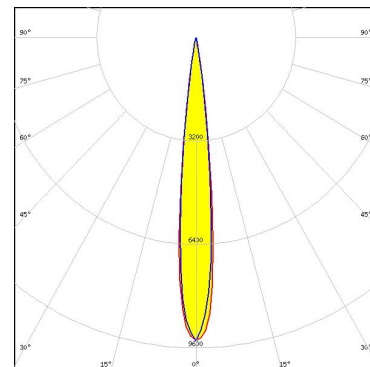
Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED	CxM-9 (13.5x13.5)
Ordering code	C19926_YASMEEN-70-FR-S
FWHM / FWTM	12.0° / 20.0°
Efficiency	43 %
Peak intensity	9.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C
	C18692_YASMEEN-70-HLD2-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.

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