

YASMEEN-70-FR-S

~5° ultra-narrow spot beam

SPECIFICATION:

Dimensions	Ø 69.9
Height	40.2 mm
Fastening	socket
ROHS compliant	yes 



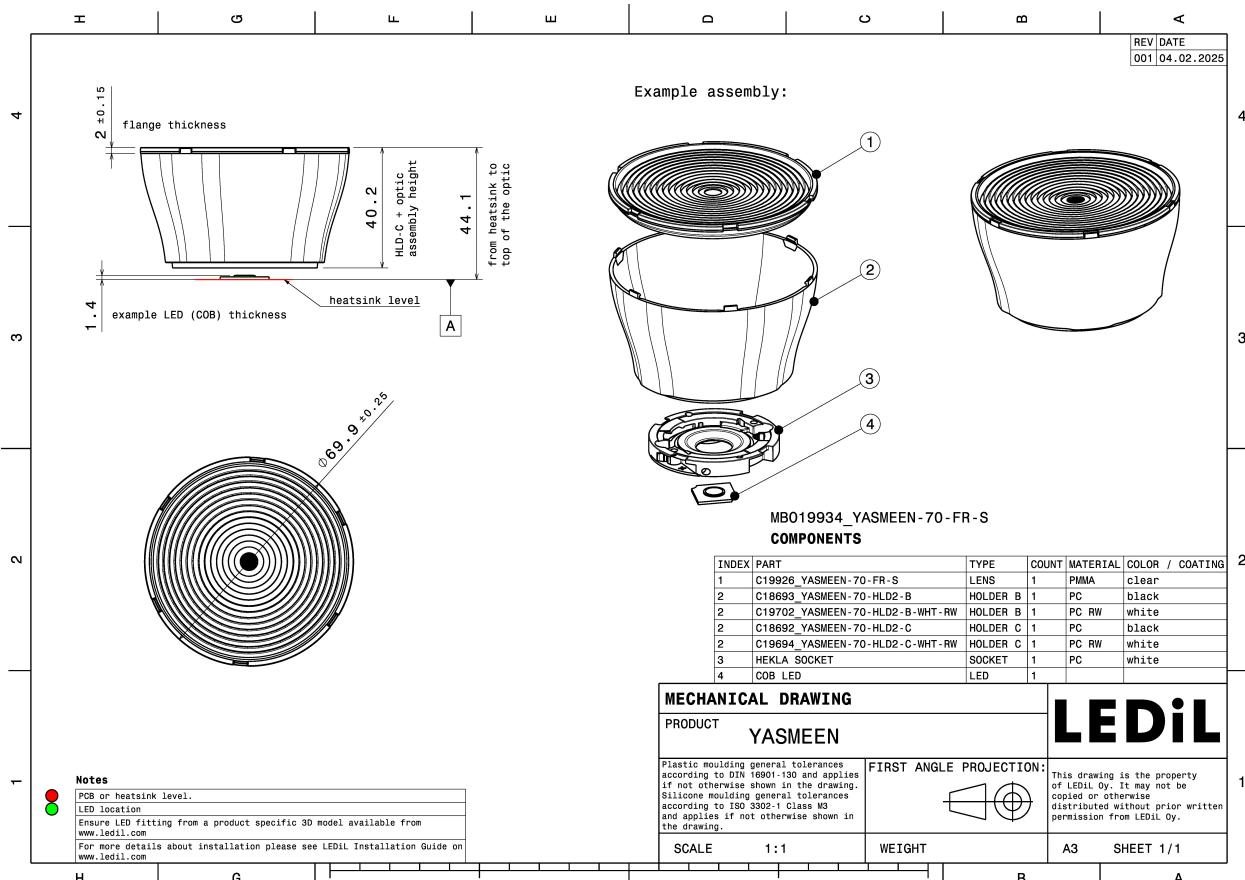
MATERIALS:

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

OPTICAL RESULTS (MEASURED):

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LED CLU7A2/7A3

FWHM / FWTM 6.0° / 10.0°

Efficiency 47 %

Peak intensity 37.7 cd/lm

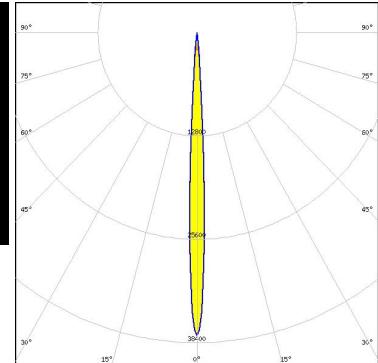
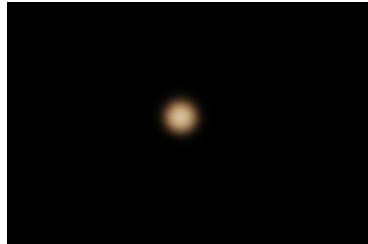
LEDs/each optic 1

Light colour/type White

Required components:

F17435_HEKLA-G2-C

C18692_YASMEEN-70-HLD2-C

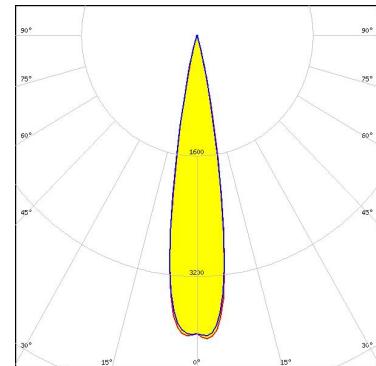


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

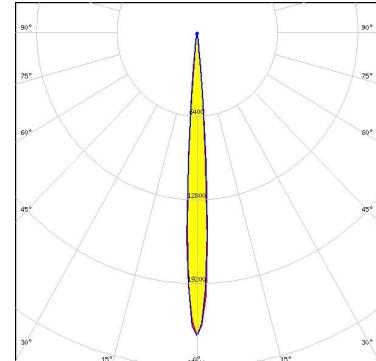
LED CLU03x
 Ordering code C19926_YASMEEN-70-FR-S
 FWHM / FWTM 18.0° / 28.0°
 Efficiency 42 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I
 C18692_YASMEEN-70-HLD2-C



Light distribution files

CITIZEN

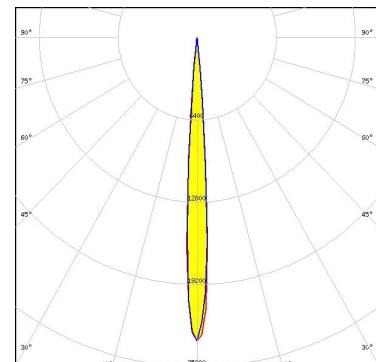
LED CLU700/701/702/703
 FWHM / FWTM 7.5° / 12.5°
 Efficiency 79 %
 Peak intensity 23.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C
 C19694_YASMEEN-70-HLD2-C-WHT-RW



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

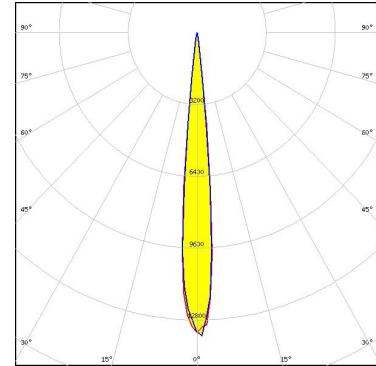


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

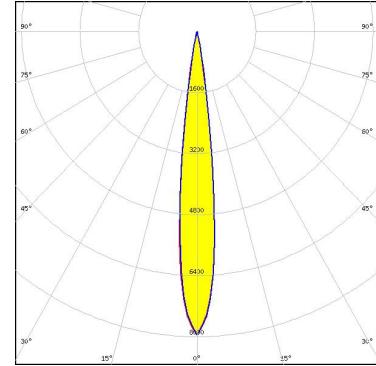
LED	CLU712/713
FWHM / FWTM	10.0° / 16.0°
Efficiency	42 %
Peak intensity	13.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C
	C18692_YASMEEN-70-HLD2-C



Light distribution files

CITIZEN

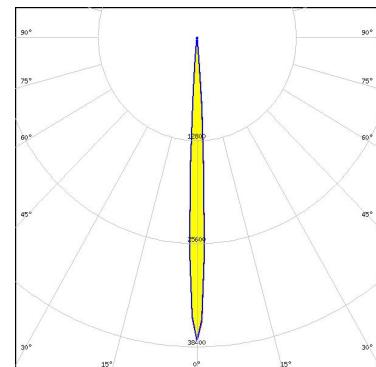
LED	CLU720/721/723
Ordering code	C19926_YASMEEN-70-FR-S
FWHM / FWTM	12.0° / 22.0°
Efficiency	43 %
Peak intensity	8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I
	C18692_YASMEEN-70-HLD2-C



Light distribution files

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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

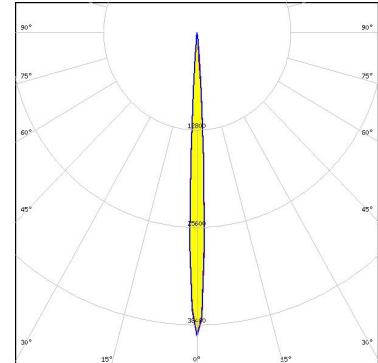


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

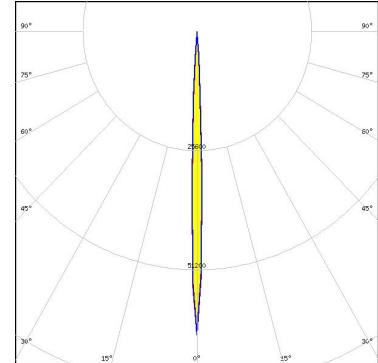
LED	CLU7A2/7A3
FWHM / FWTM	5.4° / 9.5°
Efficiency	42 %
Peak intensity	39.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-C
	C18692_YASMEEN-70-HLD2-C



Light distribution files

CITIZEN

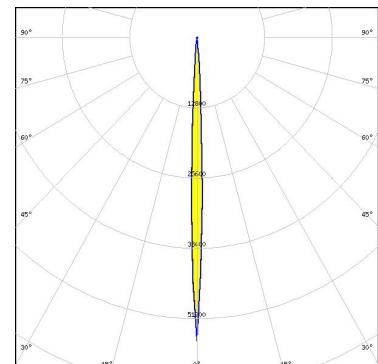
LED	CLU7L3
FWHM / FWTM	3.8° / 7.4°
Efficiency	42 %
Peak intensity	65.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C19425_SOCKET-B-35-N
	C18693_YASMEEN-70-HLD2-B



Light distribution files

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LED	CLU7L3
FWHM / FWTM	4.0° / 9.0°
Efficiency	75 %
Peak intensity	55.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C19425_SOCKET-B-35-N
	C19702_YASMEEN-70-HLD2-B-WHT-RW

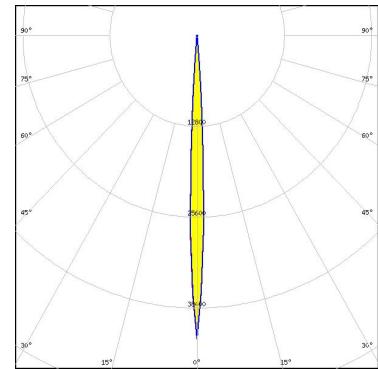


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

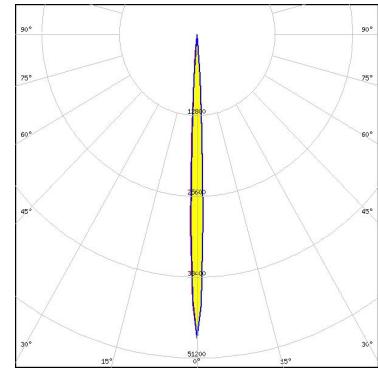
LED	CLU7S3
FWHM / FWTM	5.0° / 10.0°
Efficiency	76 %
Peak intensity	42.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C19425_SOCKET-B-35-N
	C19702_YASMEEN-70-HLD2-B-WHT-RW



Light distribution files

CITIZEN

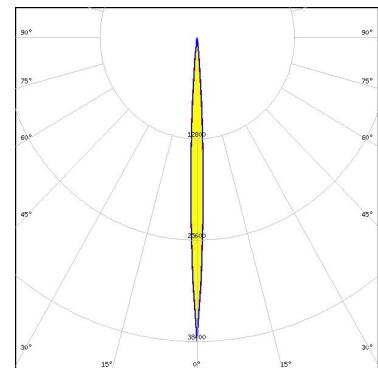
LED	CLU7S3
FWHM / FWTM	4.5° / 8.6°
Efficiency	42 %
Peak intensity	48 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C19425_SOCKET-B-35-N
	C18693_YASMEEN-70-HLD2-B



Light distribution files

CREE LEDs

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

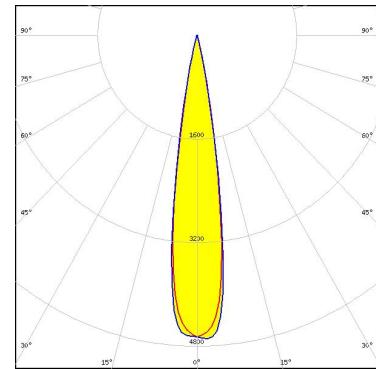


Light distribution files

OPTICAL RESULTS (SIMULATED):



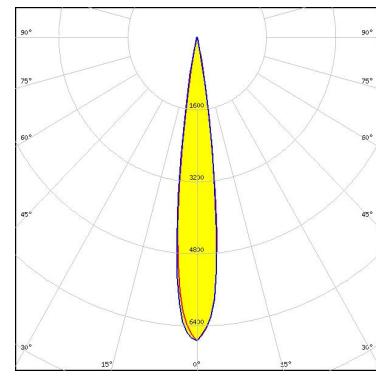
LED	CMU15xx
Ordering code	C19926_YASMEEN-70-FR-S
FWHM / FWTM	18.0° / 26.0°
Efficiency	43 %
Peak intensity	4.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I
	C18692_YASMEEN-70-HLD2-C



Light distribution files



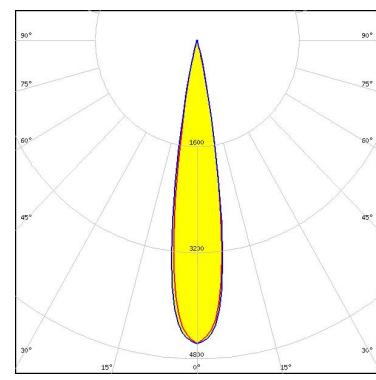
LED	CxM-11 (19x19)
Ordering code	C19926_YASMEEN-70-FR-S
FWHM / FWTM	14.0° / 22.0°
Efficiency	42 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17438_HEKLA-G2-I
	C18692_YASMEEN-70-HLD2-C



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

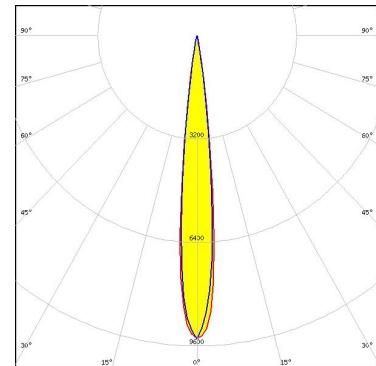


Light distribution files

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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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

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