

YASMEEN-50-FR-S

~6° ultra-narrow spot beam

SPECIFICATION:

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

MATERIALS:

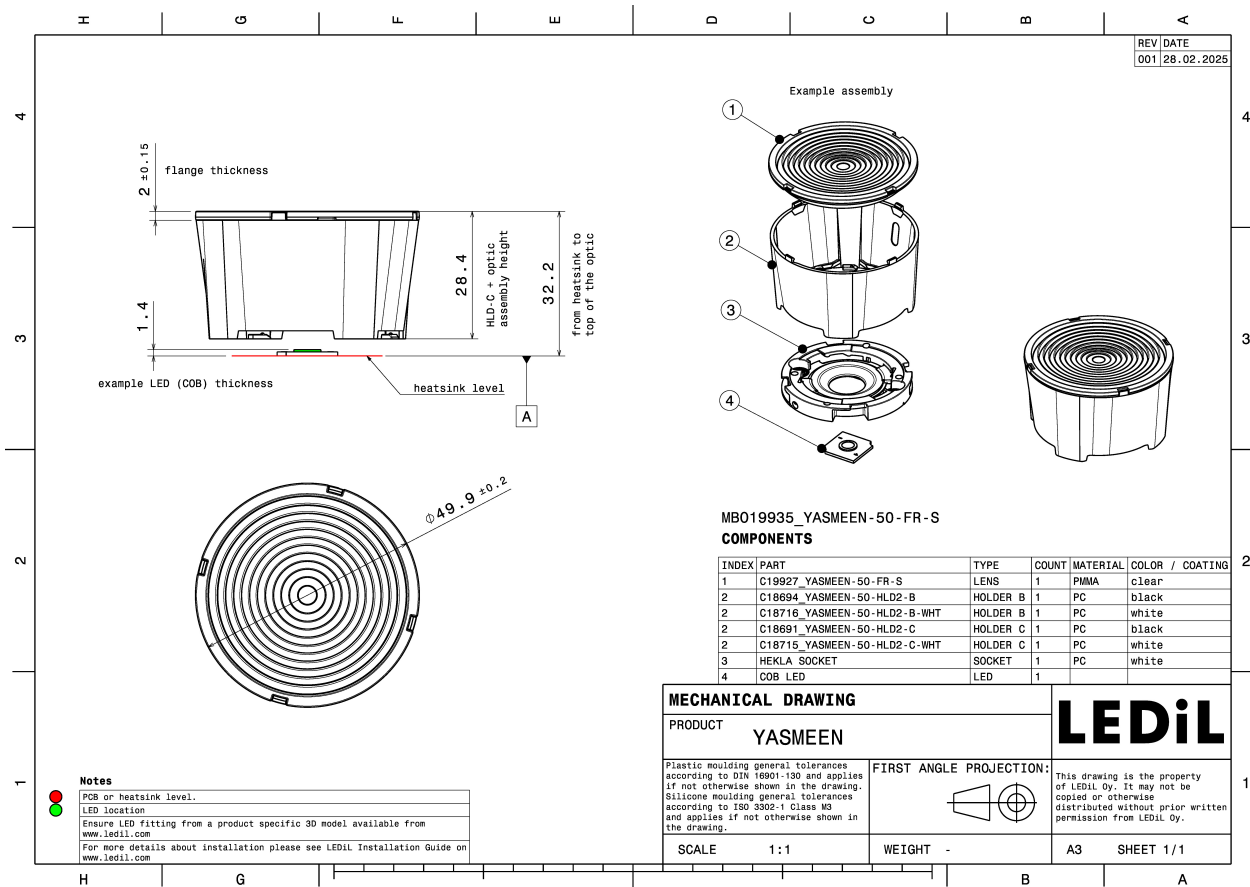
Component	Type	Material	Colour	Finish	Length (mm)
YASMEEN-50-FR-S	Single lens	PMMA	clear		
YASMEEN-50-HLD2-C-WHT-RW	Holder	PC	white		
YASMEEN-50-HLD2-B-WHT-RW	Holder	PC	white		
YASMEEN-50-HLD2-B	Holder B	PC	black		
YASMEEN-50-HLD2-C	Holder C	PC	black		



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	3.9

Assembly

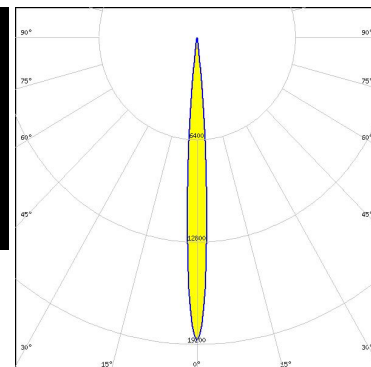


See also our general installation guide: www.ledil.com/installation_guide

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
	C18691_YASMEEN-50-HLD2-C

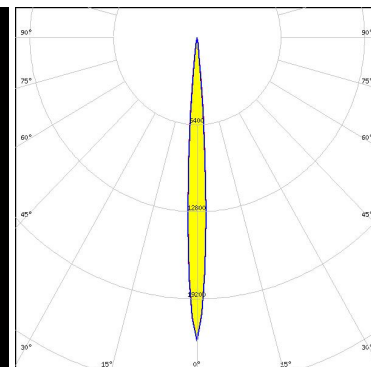


Light distribution files

OPTICAL RESULTS (SIMULATED):



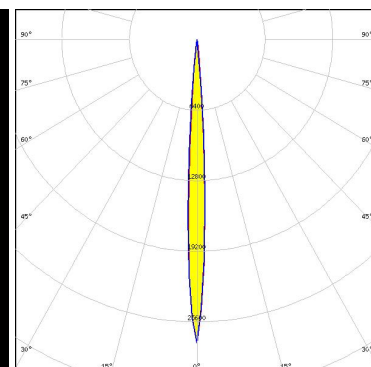
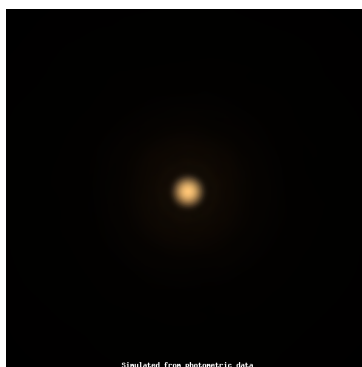
LED V3 HD Gen 8
FWHM / FWTM 7.0° / 13.0°
Efficiency 42 %
Peak intensity 22.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F19856_HEKLA-G2B-A
 C18691_YASMEEN-50-HLD2-C



Light distribution files



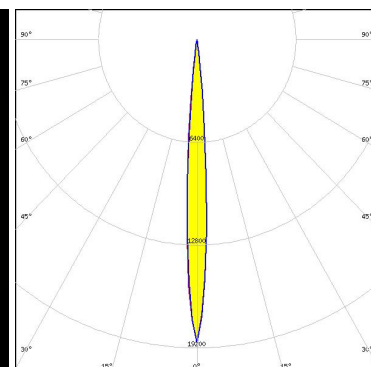
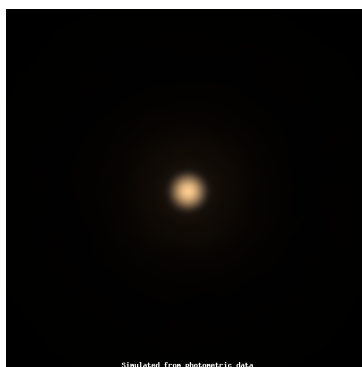
LED V3 HD Gen 8 FC
FWHM / FWTM 6.0° / 12.0°
Efficiency 43 %
Peak intensity 27.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F19858_HEKLA-G2B-C3
 C18691_YASMEEN-50-HLD2-C



Light distribution files



LED V4 HD Gen 8
FWHM / FWTM 8.0° / 14.0°
Efficiency 42 %
Peak intensity 18.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F19856_HEKLA-G2B-A
 C18691_YASMEEN-50-HLD2-C

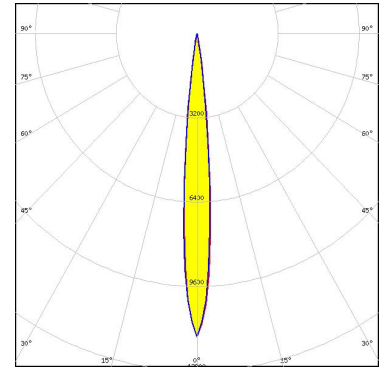


Light distribution files

OPTICAL RESULTS (SIMULATED):



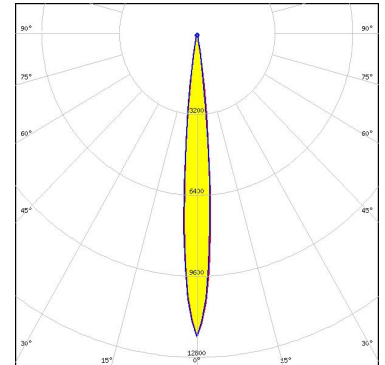
LED V6 HD Gen 7
 Ordering code C19927_YASMEEN-50-FR-S
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 42 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F19858_HEKLA-G2B-C3
 C18691_YASMEEN-50-HLD2-C



Light distribution files



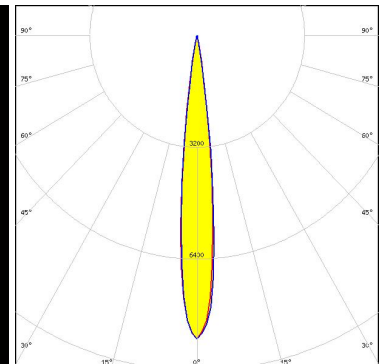
LED V6 HD Gen 7
 Ordering code C19927_YASMEEN-50-FR-S
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 78 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F19858_HEKLA-G2B-C3
 C19978_YASMEEN-50-HLD2-C-WHT-RW



Light distribution files



LED V8 Gen 8-9
 FWHM / FWTM 12.0° / 20.0°
 Efficiency 42 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F19856_HEKLA-G2B-A
 C18691_YASMEEN-50-HLD2-C

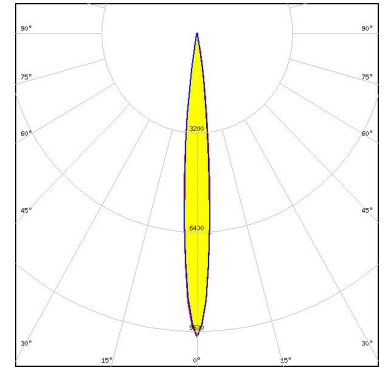


Light distribution files

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
 C18691_YASMEEN-50-HLD2-C

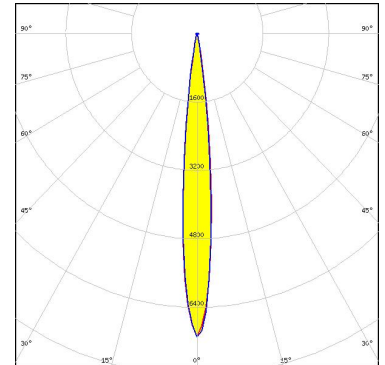


Light distribution files

Bender Wirth: 504 Typ L8



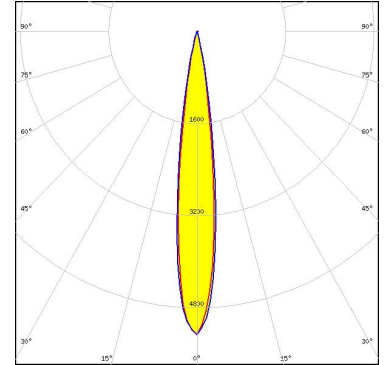
LED Vesta TW 6mm DP
 Ordering code C19927_YASMEEN-50-FR-S
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 35 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19950_HEKLA-SOCKET-RZ
 C18691_YASMEEN-50-HLD2-C



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
 C18691_YASMEEN-50-HLD2-C

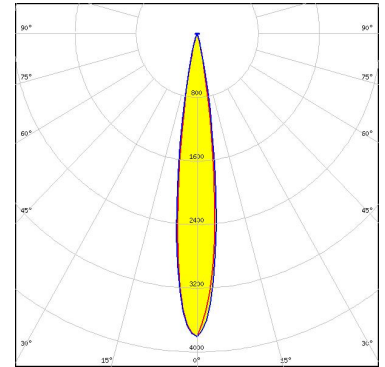


Light distribution files

OPTICAL RESULTS (SIMULATED):



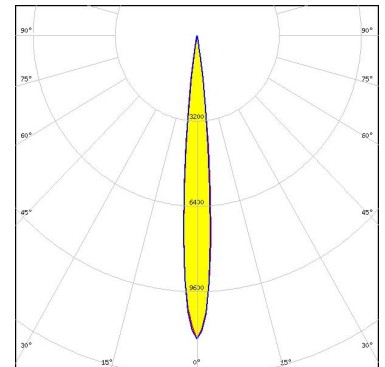
LED Vesta TW 9mm (9W) DP
 Ordering code C19927_YASMEEN-50-FR-S
 FWHM / FWTM 15.0° / 26.0°
 Efficiency 34 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19950_HEKLA-SOCKET-RZ
 C18691_YASMEEN-50-HLD2-C



Light distribution files

CITIZEN

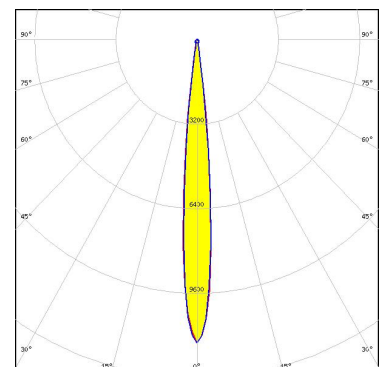
LED CLU700/701/702/703
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 40 %
 Peak intensity 11.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C
 C18691_YASMEEN-50-HLD2-C



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 10.0° / 18.0°
 Efficiency 75 %
 Peak intensity 11.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C
 C19978_YASMEEN-50-HLD2-C-WHT-RW

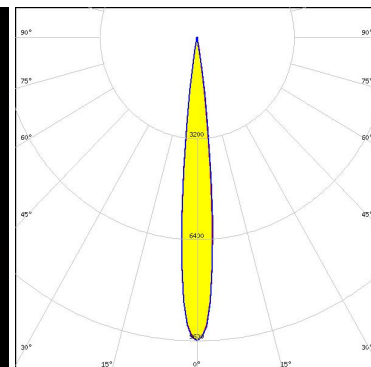


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

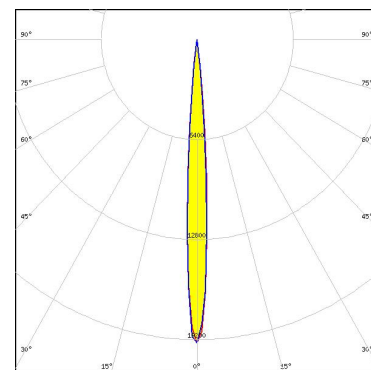
LED CLU703 Type-F
FWHM / FWTM 12.0° / 18.0°
Efficiency 41 %
Peak intensity 9.6 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



Light distribution files

CITIZEN

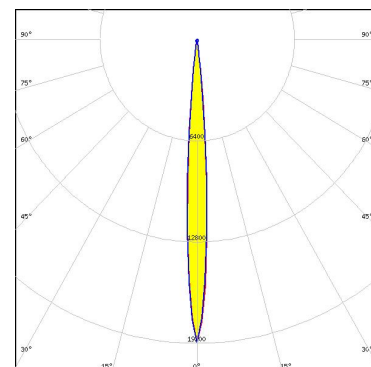
LED CLU7A2/7A3
FWHM / FWTM 8.0° / 14.0°
Efficiency 40 %
Peak intensity 19.4 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



Light distribution files

CITIZEN

LED CLU7A2/7A3
FWHM / FWTM 8.0° / 14.0°
Efficiency 75 %
Peak intensity 19.2 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C
C19978_YASMEEN-50-HLD2-C-WHT-RW



Light distribution files

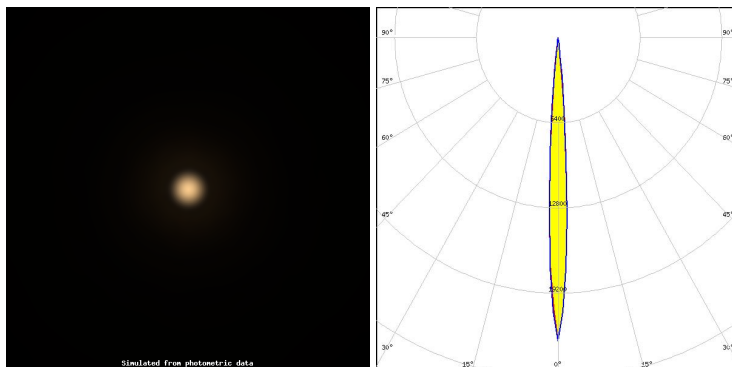
OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU7B2
FWHM / FWTM 6.0° / 12.0°
Efficiency 41 %
Peak intensity 22.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



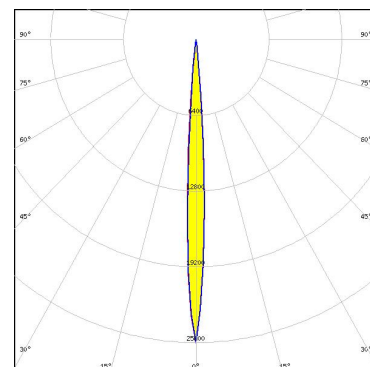
Light distribution files

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
C18694_YASMEEN-50-HLD2-B



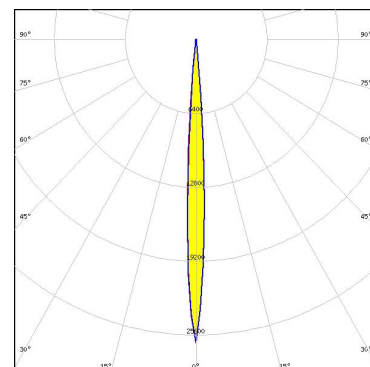
Light distribution files

CITIZEN

LED CLU7L3
FWHM / FWTM 6.0° / 12.0°
Efficiency 75 %
Peak intensity 26.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

C19425_SOCKET-B-35-N
C19976_YASMEEN-50-HLD2-B-WHT-RW

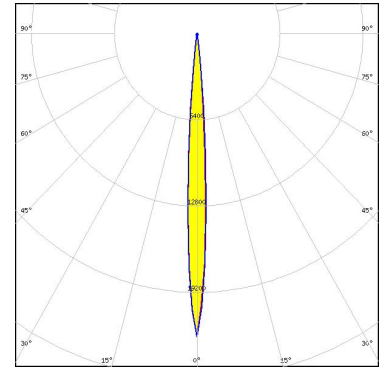


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

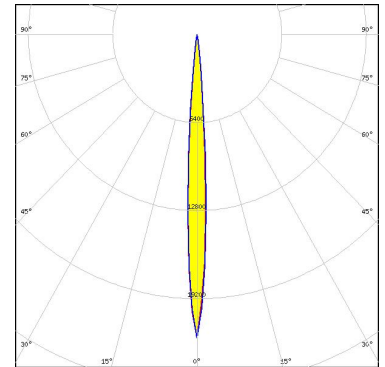
LED CLU7S3
 FWHM / FWTM 7.0° / 14.0°
 Efficiency 75 %
 Peak intensity 22.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19425_SOCKET-B-35-N
 C19976_YASMEEN-50-HLD2-B-WHT-RW



Light distribution files

CITIZEN

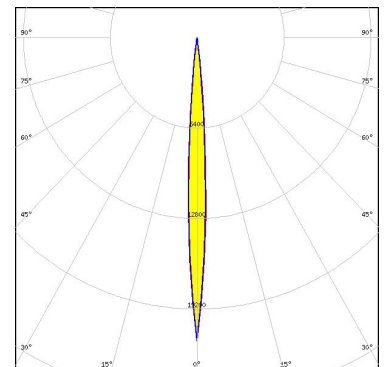
LED CLU7S3
 FWHM / FWTM 7.0 + 6.0° / 13.0°
 Efficiency 40 %
 Peak intensity 22.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C19425_SOCKET-B-35-N
 C18694_YASMEEN-50-HLD2-B



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
 C18691_YASMEEN-50-HLD2-C



Light distribution files

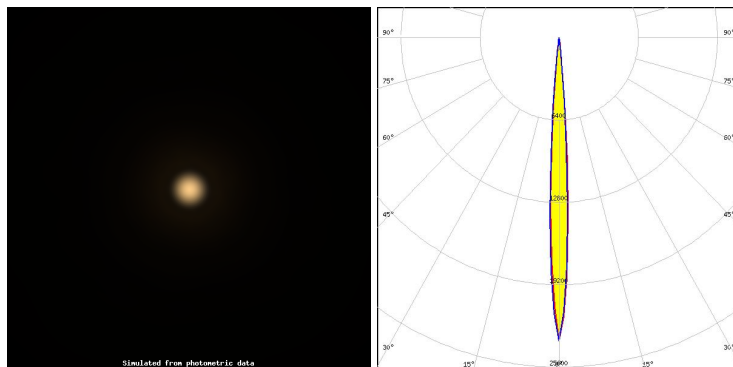
OPTICAL RESULTS (SIMULATED):



LED: CHA0304
FWHM / FWTM: 7.0 + 6.0° / 12.0°
Efficiency: 42 %
Peak intensity: 23.6 cd/lm
LEDs/each optic: 1
Light colour/type: White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



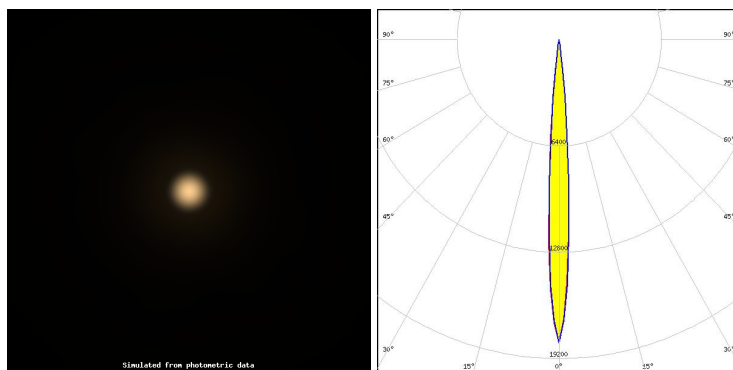
Light distribution files



LED: CHA0410
FWHM / FWTM: 8.0° / 14.0°
Efficiency: 42 %
Peak intensity: 18.3 cd/lm
LEDs/each optic: 1
Light colour/type: White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



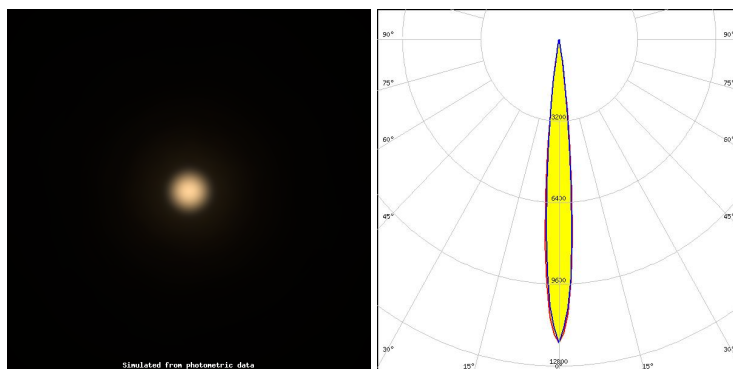
Light distribution files



LED: CHA0612
FWHM / FWTM: 10.0° / 18.0 + 17.0°
Efficiency: 42 %
Peak intensity: 11.9 cd/lm
LEDs/each optic: 1
Light colour/type: White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



Light distribution files

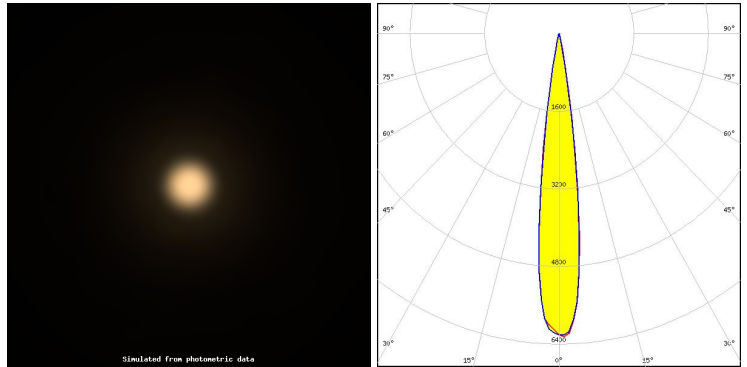
OPTICAL RESULTS (SIMULATED):



LED CHA0825
FWHM / FWTM 14.0° / 22.0°
Efficiency 42 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15859_HEKLA-SOCKET-I
C18691_YASMEEN-50-HLD2-C



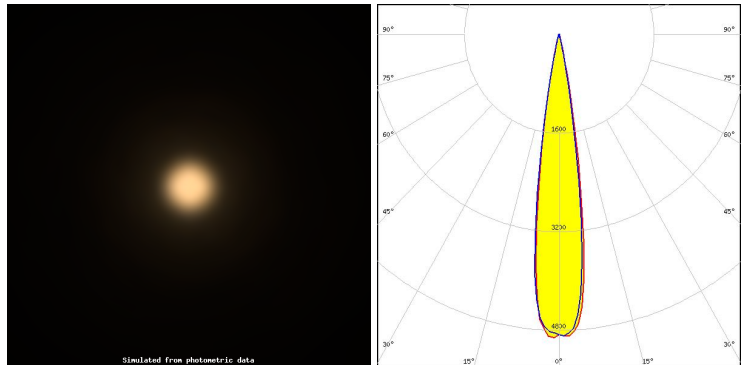
Light distribution files



LED CMT14xx
FWHM / FWTM 16.0° / 25.0°
Efficiency 41 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



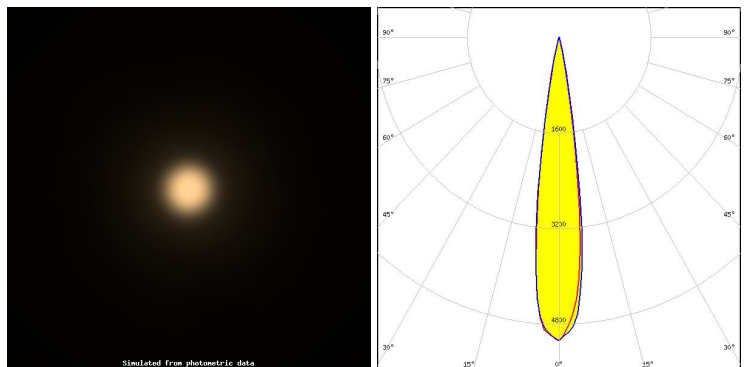
Light distribution files



LED CMU10xx
FWHM / FWTM 16.0° / 25.0°
Efficiency 42 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C

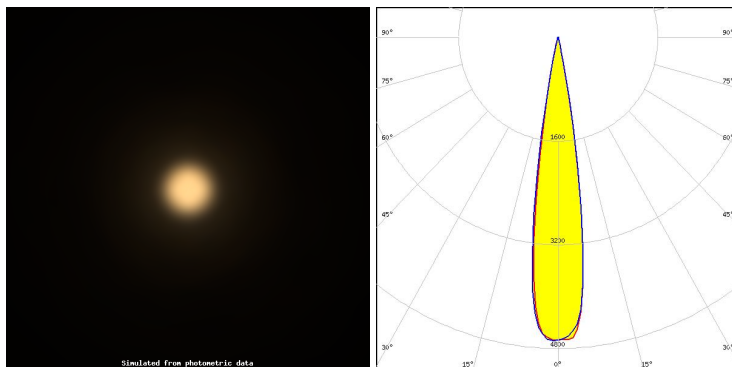


Light distribution files

OPTICAL RESULTS (SIMULATED):



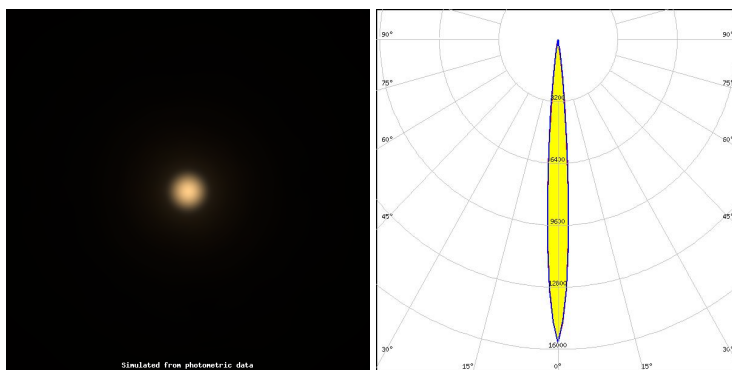
LED LUXEON CS CoB LES 9
 FWHM / FWTM 16.0 + 17.0° / 24.0 + 26.0°
 Efficiency 41 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C
 C18691_YASMEEN-50-HLD2-C



Light distribution files



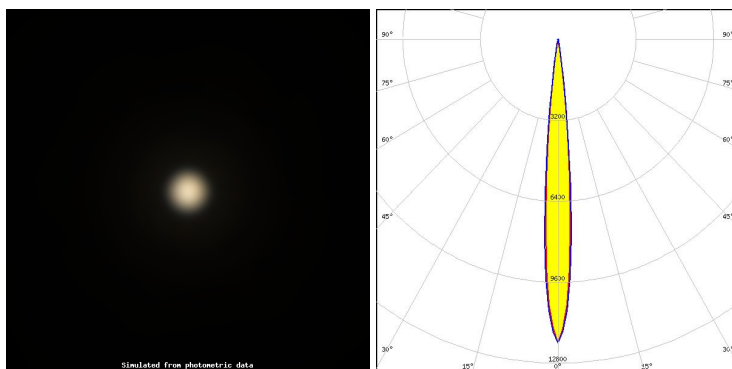
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 8.0° / 15.0 + 16.0°
 Efficiency 40 %
 Peak intensity 15.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17439_HEKLA-G2-J
 C18691_YASMEEN-50-HLD2-C



Light distribution files



LED LUXEON CX Plus CoB - HD S01H6
 FWHM / FWTM 10.0° / 16.0 + 17.0°
 Efficiency 42 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C18691_YASMEEN-50-HLD2-C

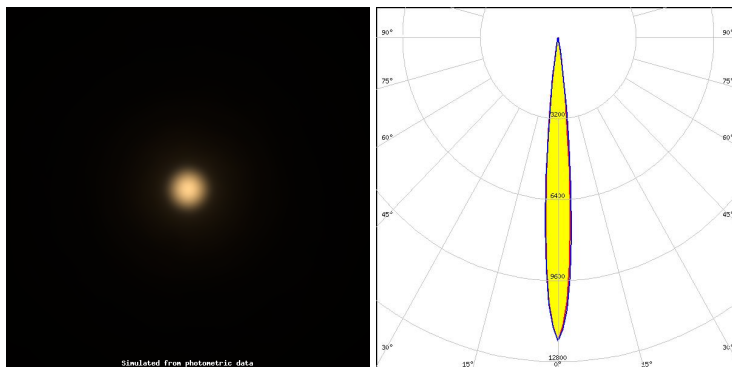


Light distribution files

OPTICAL RESULTS (SIMULATED):



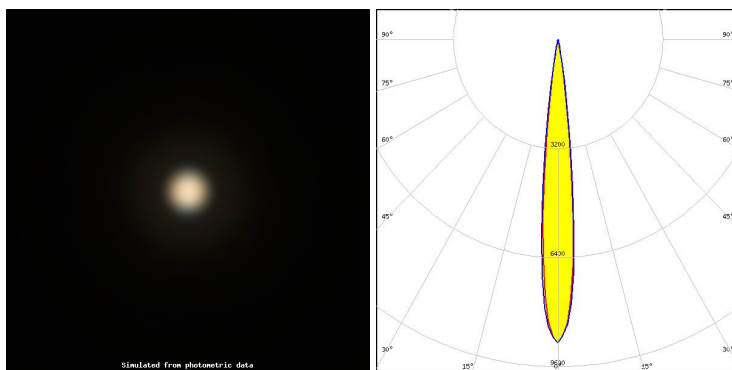
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 10.0° / 16.0 + 18.0°
 Efficiency 40 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17439_HEKLA-G2-J
 C18691_YASMEEN-50-HLD2-C



Light distribution files



LED CTM-6 (Tunable White) Gen2
 Ordering code C18699_YASMEEN-70-WWW
 FWHM / FWTM 12.0° / 18.0 + 20.0°
 Efficiency 41 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C18691_YASMEEN-50-HLD2-C

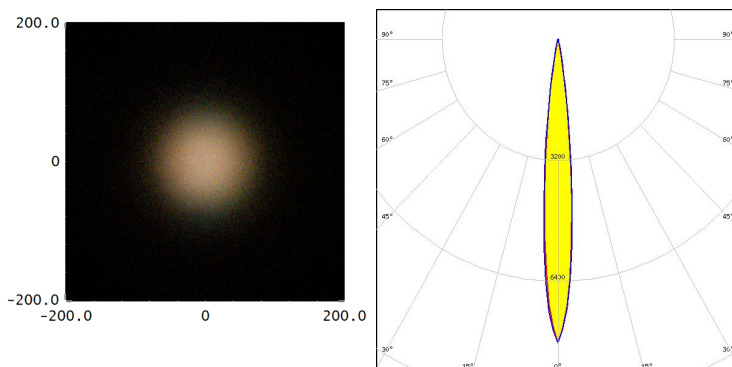


Light distribution files

Bender Wirth: 495 Typ L8



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
 C18691_YASMEEN-50-HLD2-C



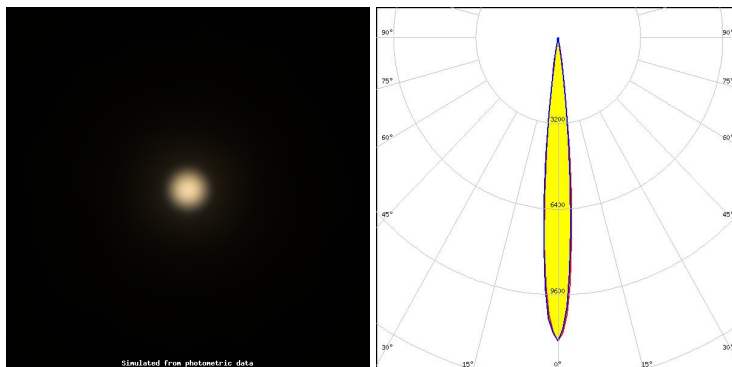
Light distribution files

Bender Wirth: 495 Typ L8

OPTICAL RESULTS (SIMULATED):



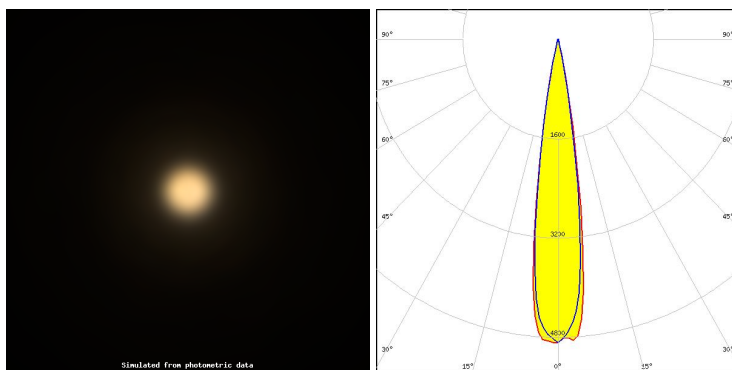
LED CxM-6 (13.5x13.5)
FWHM / FWTM 10.0° / 18.0°
Efficiency 42 %
Peak intensity 11.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



Light distribution files



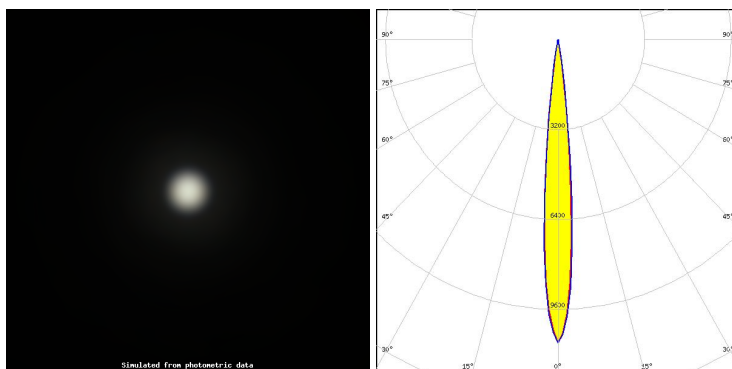
LED CxM-9 (13.5x13.5)
FWHM / FWTM 16.0° / 26.0° + 25.0°
Efficiency 42 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



Light distribution files



LED NF1202EFC-V5
FWHM / FWTM 10.0° / 18.0°
Efficiency 41 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C
C18691_YASMEEN-50-HLD2-C



Light distribution files

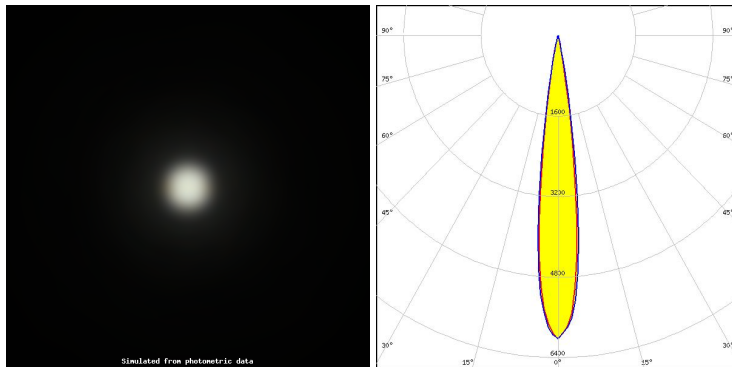
OPTICAL RESULTS (SIMULATED):



LED NF1203EJC-V5
FWHM / FWTM 14.0° / 22.0 + 24.0°
Efficiency 41 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F17435_HEKLA-G2-C
C18691_YASMEEN-50-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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