

YASMEEN-50-S

~15° spot beam. Assembly with holder C (LEDiL HEKLA) and B (BJB and B+W). Black and white versions.

SPECIFICATION:

Dimensions	Ø 49.9 mm
Height	28.5 mm
Fastening	socket
ROHS compliant	yes ⓘ

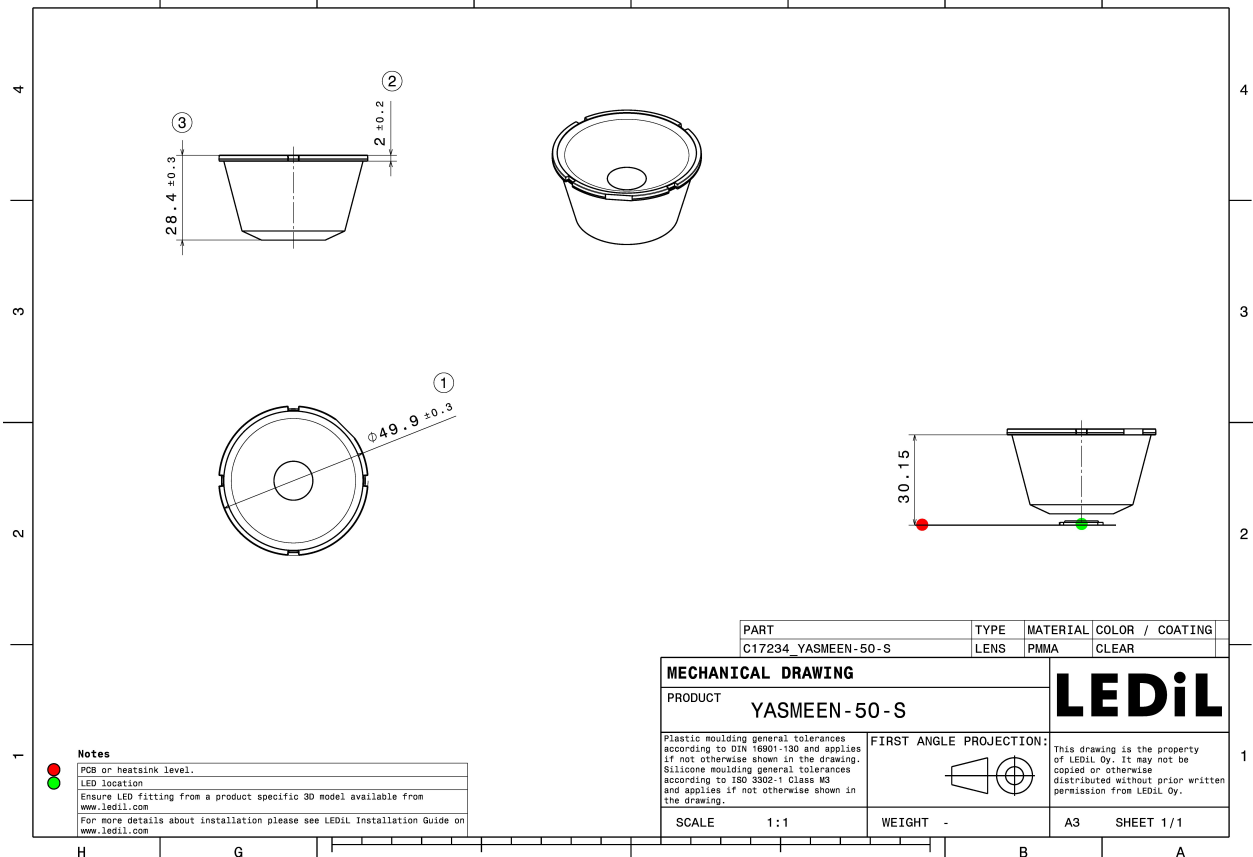
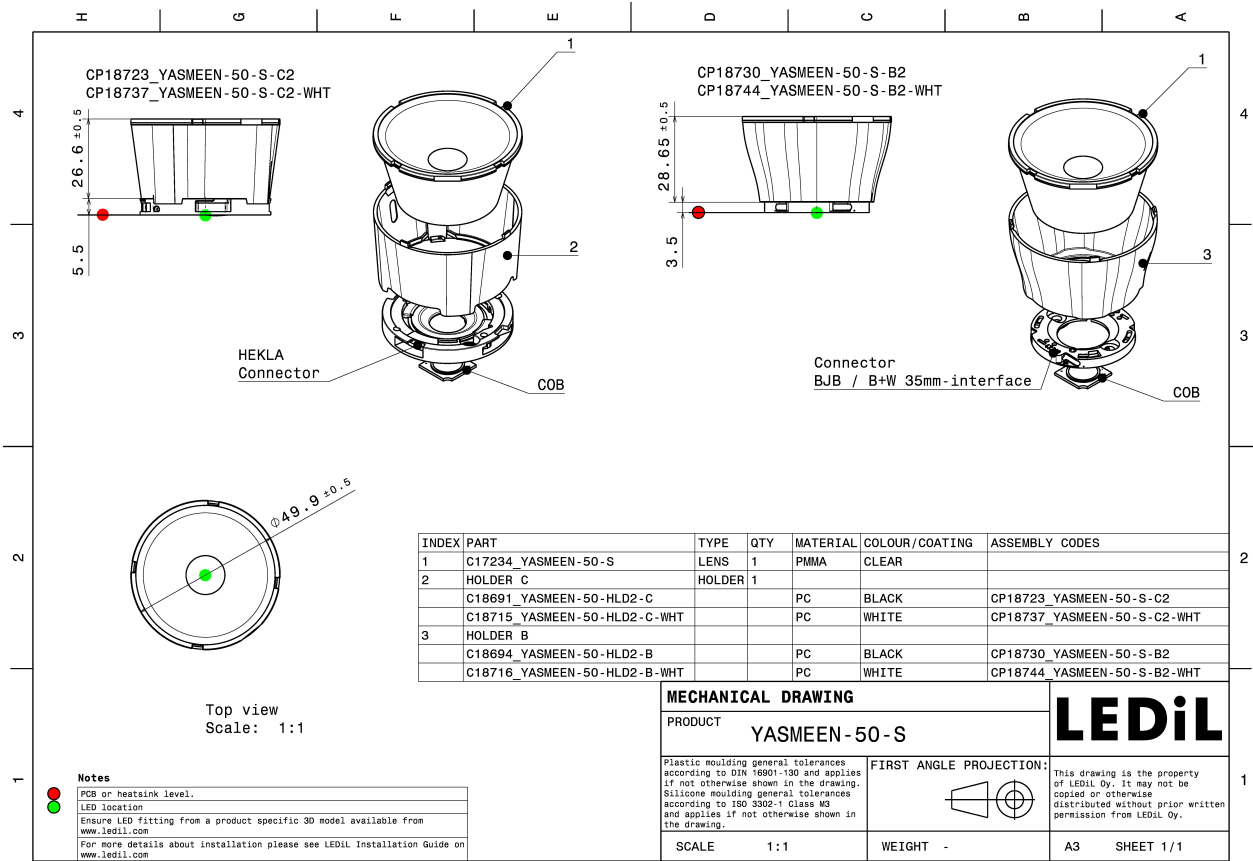


MATERIALS:

Component	Type	Material	Colour	Finish
YASMEEN-50-S	Single lens	PMMA	clear	
YASMEEN-50-HLD2-C	Holder C	PC	black	
YASMEEN-50-HLD2-B	Holder B	PC	black	
YASMEEN-50-HLD2-C-WHT	Holder C	PC	white	
YASMEEN-50-HLD2-B-WHT	Holder B	PC	white	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17234_YASMEEN-50-S	252	112	28	7.0
Assembly				
CP18744_YASMEEN-50-S-B2-WHT	252	112	28	8.4
CP18737_YASMEEN-50-S-C2-WHT	252	112	28	8.2
CP18730_YASMEEN-50-S-B2	252	112	28	8.4
CP18723_YASMEEN-50-S-C2	252	112	28	8.2

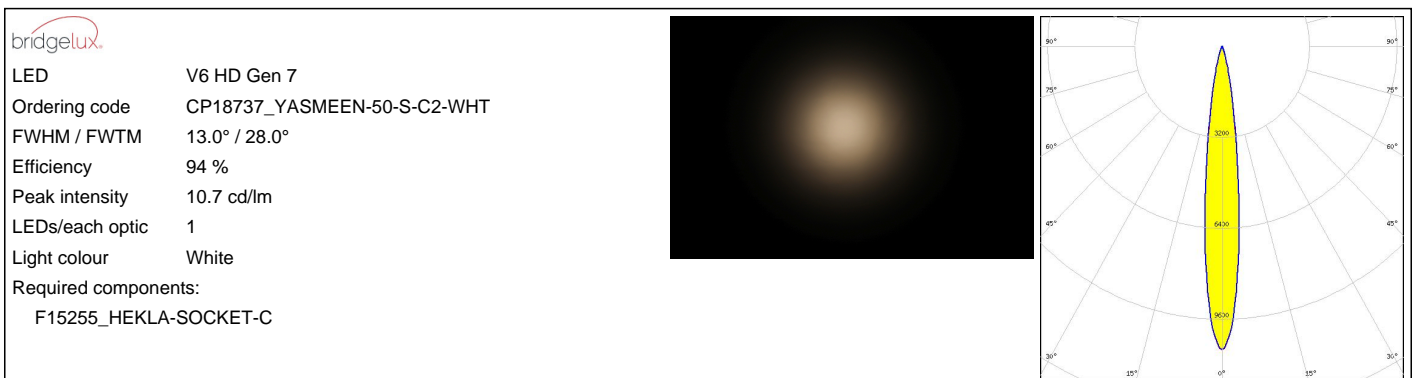
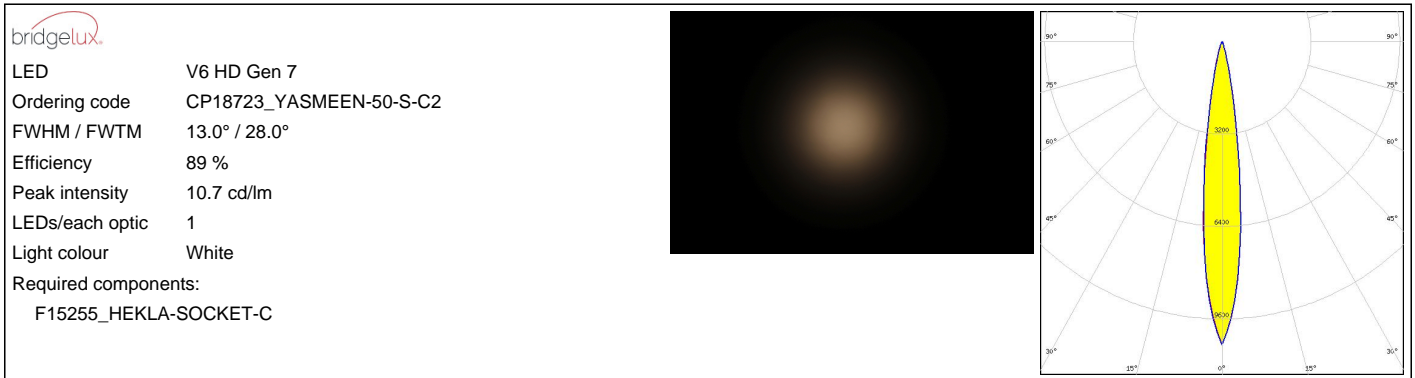
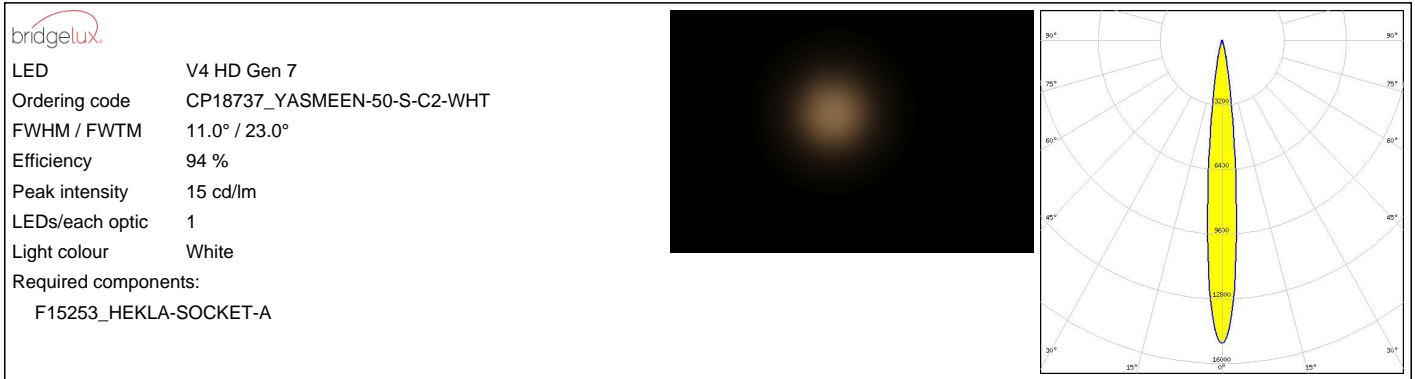


See also our general installation guide: www.ledil.com/installation_guide

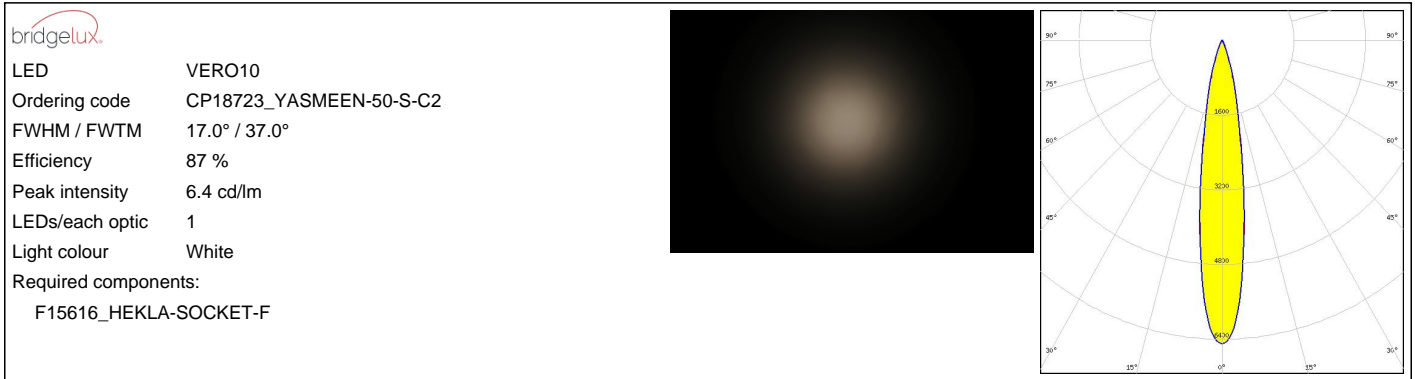
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):



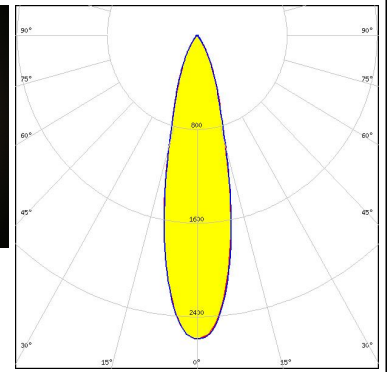
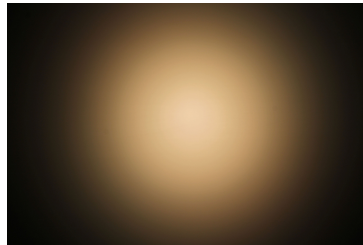
OPTICAL RESULTS (MEASURED):



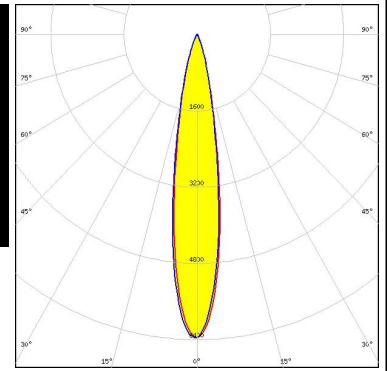
OPTICAL RESULTS (MEASURED):



LED Vesta DTW 15mm (33W)
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 26.0° / 55.0°
Efficiency 75 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 632b Hekla XL

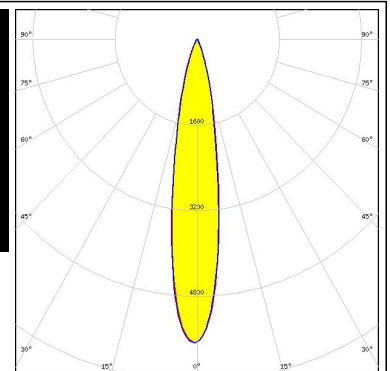


LED Vesta DTW 9mm (4W/6W/12W)
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 18.0° / 37.0°
Efficiency 86 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 Bender Wirth: 652b Hekla



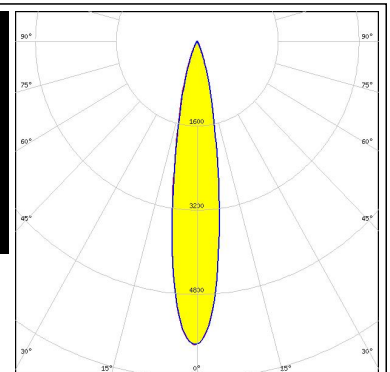
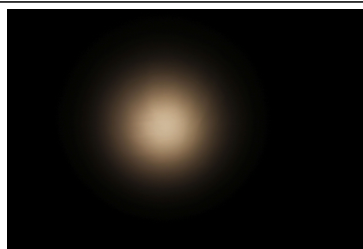
CITIZEN

LED CLL02x/CLU02x (LES10)
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 18.0° / 39.0°
Efficiency 92 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



CITIZEN

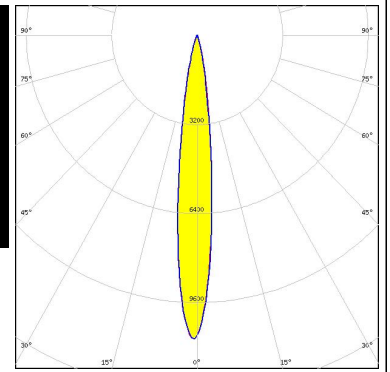
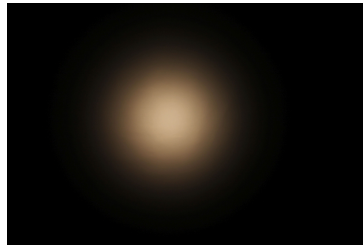
LED CLL02x/CLU02x (LES10)
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 18.0° / 38.0°
Efficiency 86 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



OPTICAL RESULTS (MEASURED):

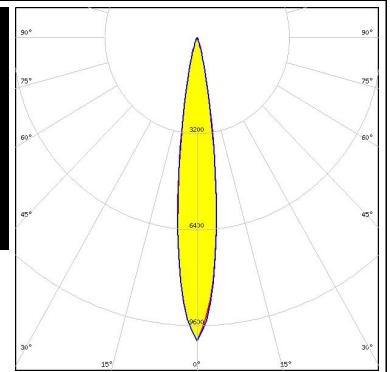
CITIZEN

LED CLU700/701/702/703
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 93 %
 Peak intensity 11 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



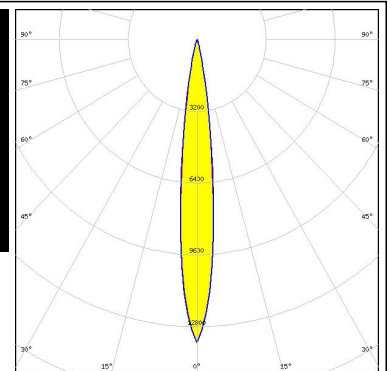
CITIZEN

LED CLU700/701/702/703
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 89 %
 Peak intensity 11 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



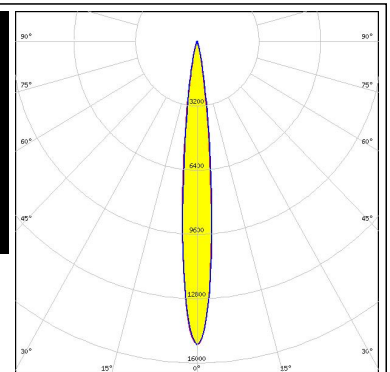
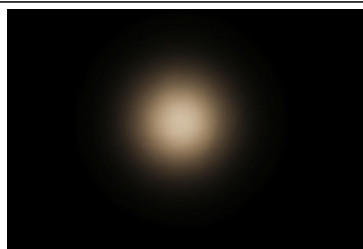
CITIZEN

LED CLU7A2/7A3
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 89 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



CITIZEN

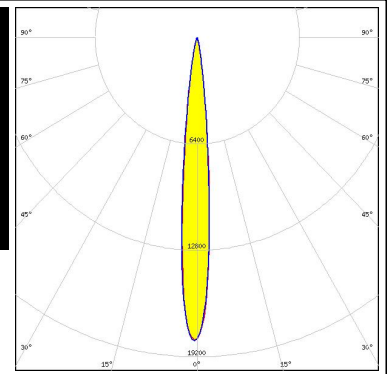
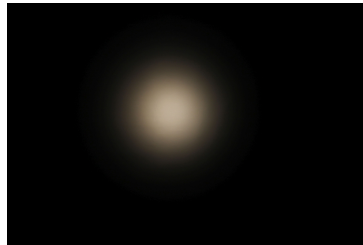
LED CLU7A2/7A3
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 94 %
 Peak intensity 15.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



OPTICAL RESULTS (MEASURED):

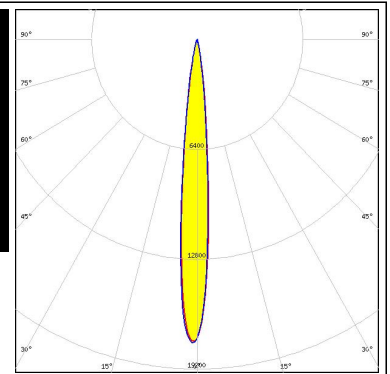
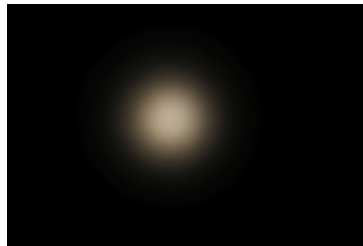
CITIZEN

LED CLU7B2
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 89 %
 Peak intensity 17.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



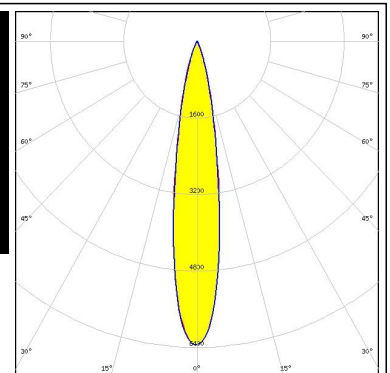
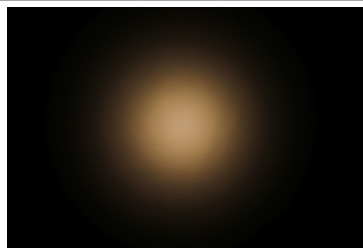
CITIZEN

LED CLU7B2
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 94 %
 Peak intensity 17.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



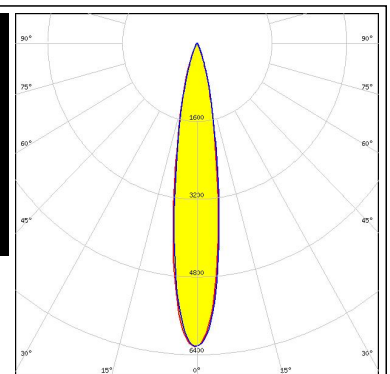
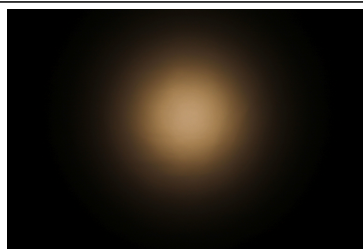
CREE LED

LED CMA1516
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 17.0° / 36.0°
 Efficiency 87 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



CREE LED

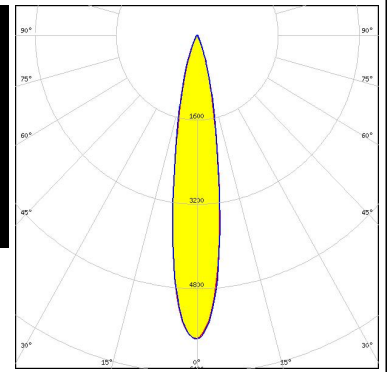
LED CMA1516
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 17.0° / 37.0°
 Efficiency 93 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



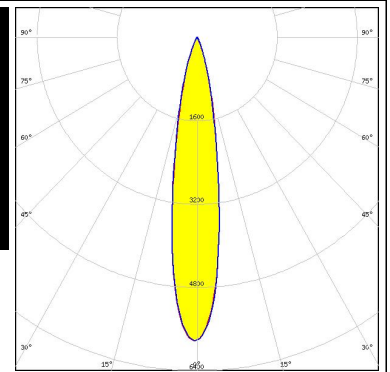
OPTICAL RESULTS (MEASURED):



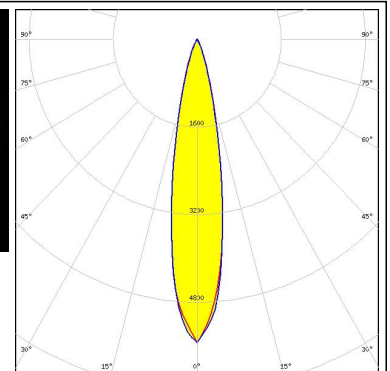
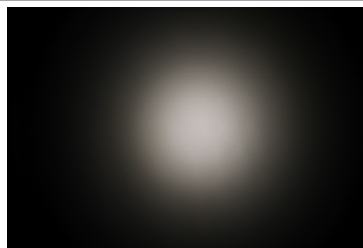
LED CMT14xx
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 18.0° / 38.0°
Efficiency 92 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



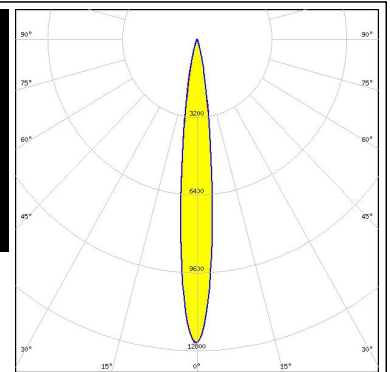
LED CMT14xx
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 18.0° / 38.0°
Efficiency 86 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



LED CMU10xx
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 18.0° / 39.0°
Efficiency 84 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



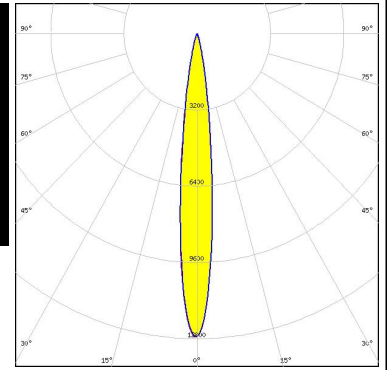
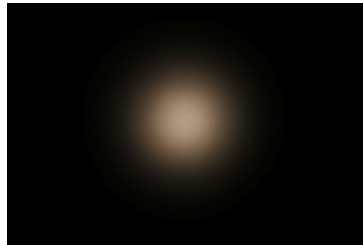
LED CXA/B 13xx
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 12.0° / 26.0°
Efficiency 94 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17439_HEKLA-G2-J



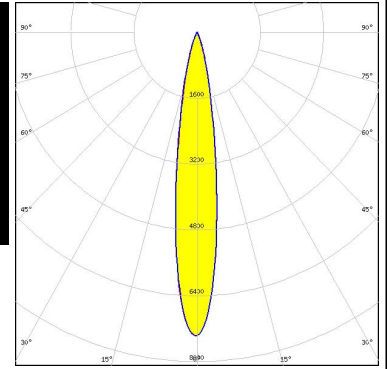
OPTICAL RESULTS (MEASURED):



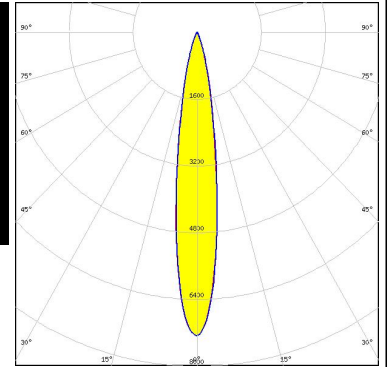
LED CXA/B 13xx
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 12.0° / 26.0°
Efficiency 89 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17439_HEKLA-G2-J



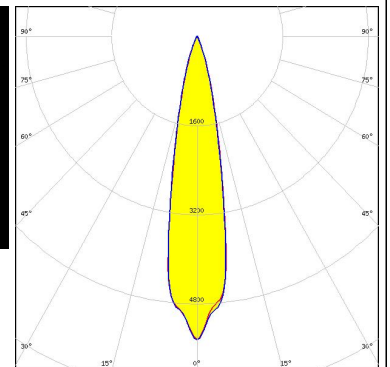
LED CXA/B 15xx
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 15.0° / 34.0°
Efficiency 87 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17436_HEKLA-G2-D



LED CXA/B 15xx
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 16.0° / 34.0°
Efficiency 93 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17436_HEKLA-G2-D



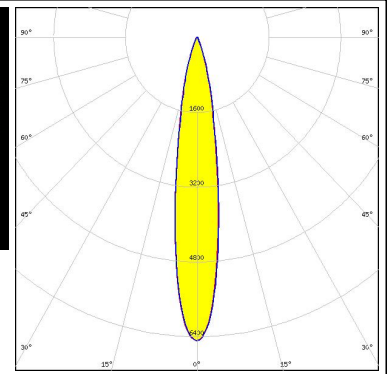
LED LEDiM/C6
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 20.0° / 38.0°
Efficiency 86 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17438_HEKLA-G2-I



OPTICAL RESULTS (MEASURED):

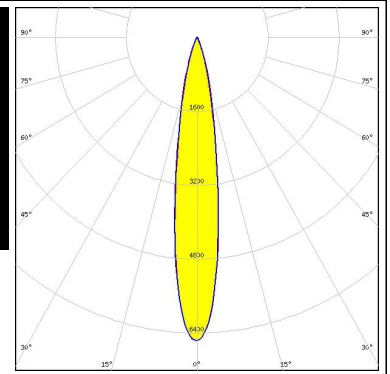
LUMILEDS

LED LUXEON CoB 1202/1203
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 17.0° / 37.0°
 Efficiency 92 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



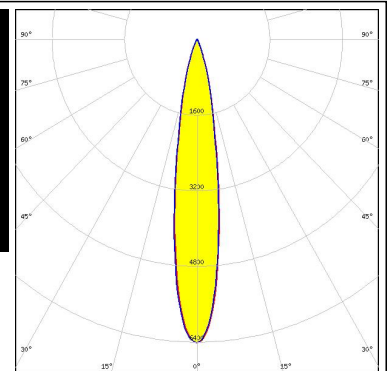
LUMILEDS

LED LUXEON CoB 1202/1203
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 17.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



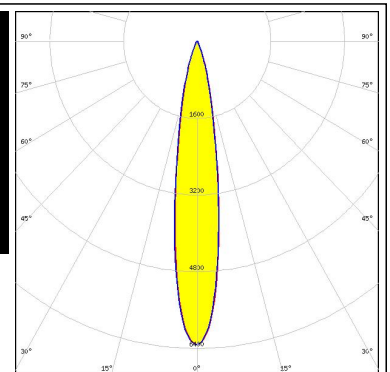
LUMILEDS

LED LUXEON CoB 1204HD
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 17.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



LUMILEDS

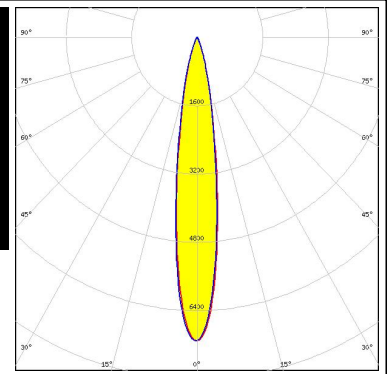
LED LUXEON CoB 1204HD
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 17.0° / 37.0°
 Efficiency 93 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



OPTICAL RESULTS (MEASURED):

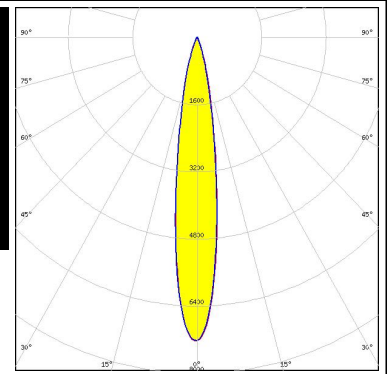
LUMILEDS

LED LUXEON CoB M02/M03
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 16.0° / 35.0°
 Efficiency 93 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



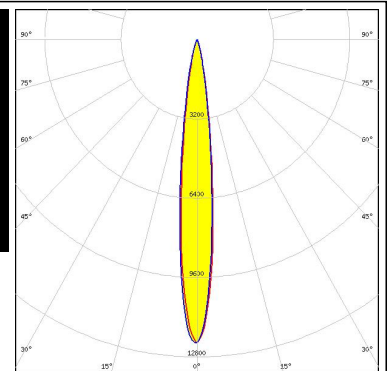
LUMILEDS

LED LUXEON CoB M02/M03
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 87 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



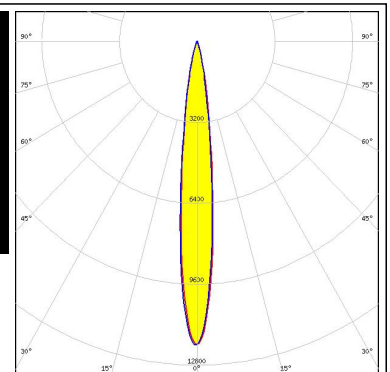
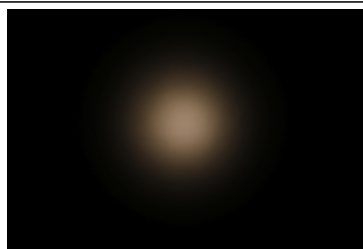
LUMILEDS

LED LUXEON CoB S01
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 89 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17439_HEKLA-G2-J



LUMILEDS

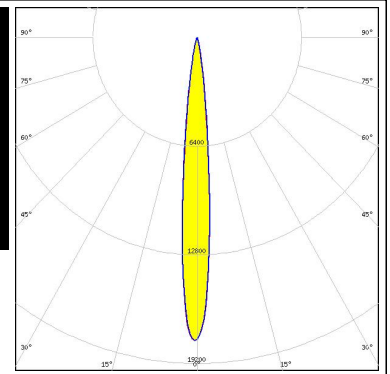
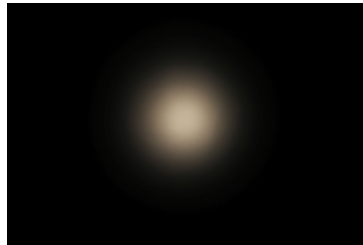
LED LUXEON CoB S01
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 94 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17439_HEKLA-G2-J



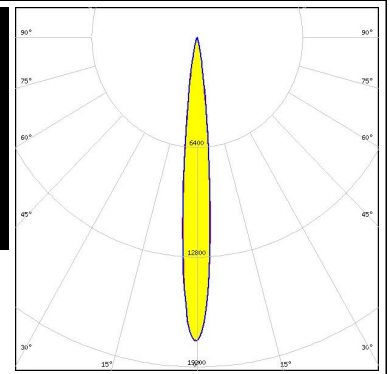
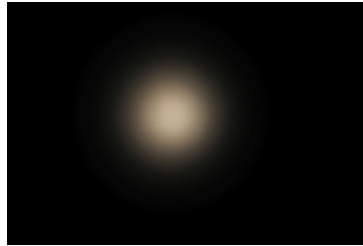
OPTICAL RESULTS (MEASURED):



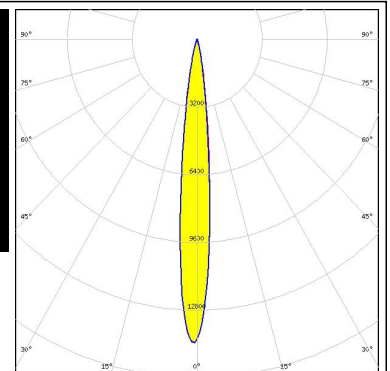
LED CXM-3
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 11.0° / 21.0°
Efficiency 89 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



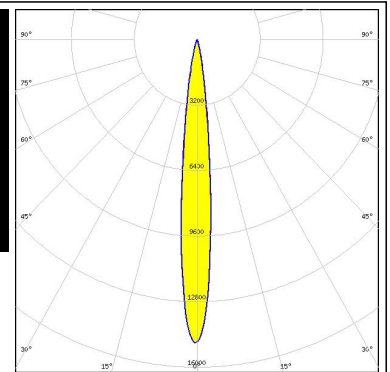
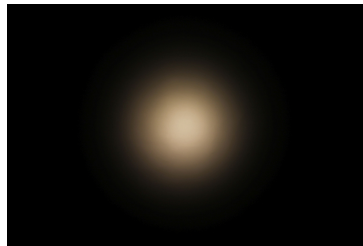
LED CXM-3
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 10.0° / 21.0°
Efficiency 94 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



LED CXM-4
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 11.0° / 24.0°
Efficiency 94 %
Peak intensity 14.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



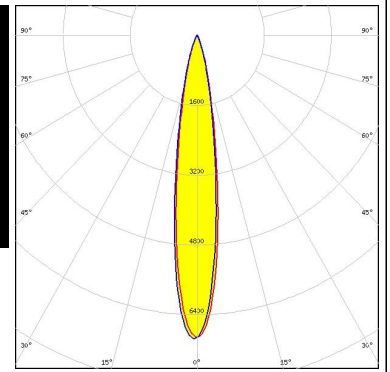
LED CXM-4
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 12.0° / 24.0°
Efficiency 89 %
Peak intensity 14.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



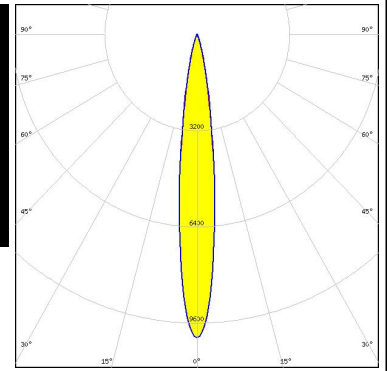
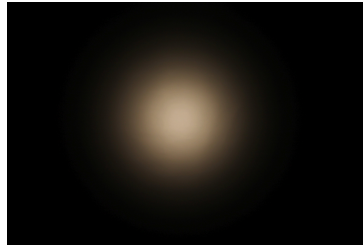
OPTICAL RESULTS (MEASURED):



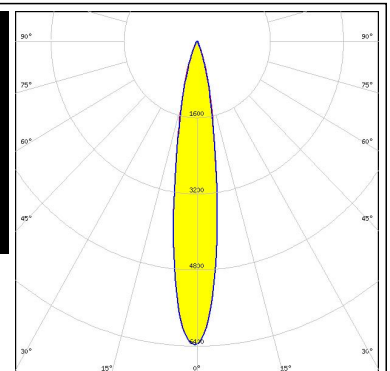
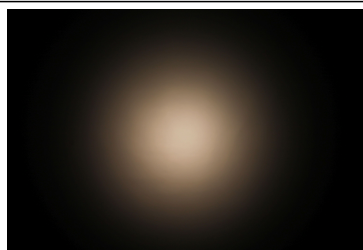
LED COB L-Type (LES 9)
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 16.0° / 35.0°
Efficiency 92 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17437_HEKLA-G2-H



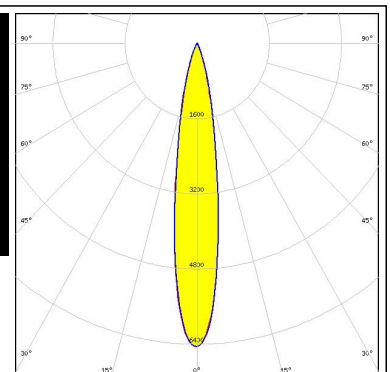
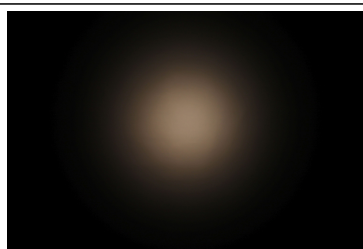
LED COB S-Type (LES 7)
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 14.0° / 29.0°
Efficiency 93 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F15848_HEKLA-SOCKET-G



LED Fortimo SLM L09 CoB
Ordering code CP18737_YASMEEN-50-S-C2-WHT
FWHM / FWTM 17.0° / 37.0°
Efficiency 92 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17437_HEKLA-G2-H



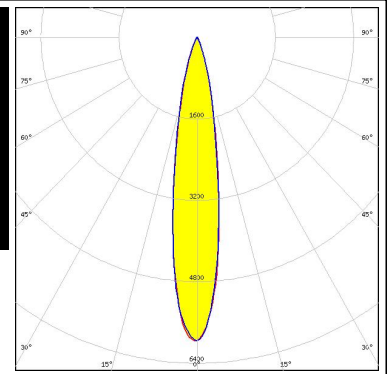
LED Fortimo SLM L09 CoB
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 16.0° / 36.0°
Efficiency 86 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17437_HEKLA-G2-H



OPTICAL RESULTS (MEASURED):

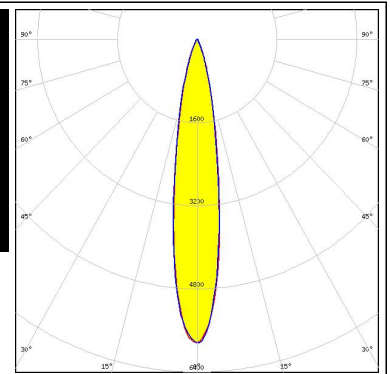
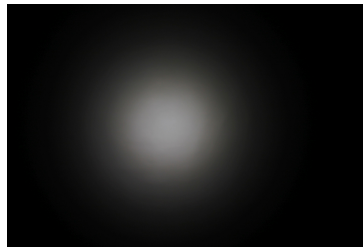
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 17.0° / 38.0°
 Efficiency 86 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



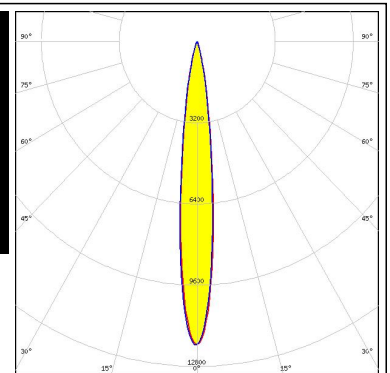
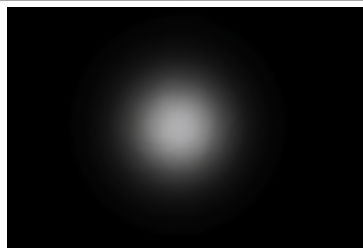
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 17.0° / 38.0°
 Efficiency 92 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



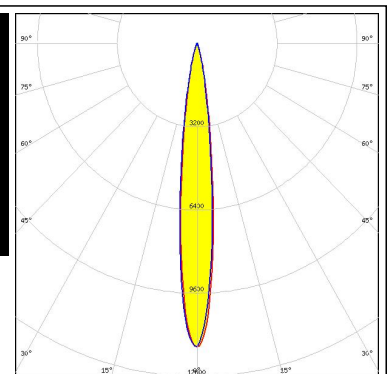
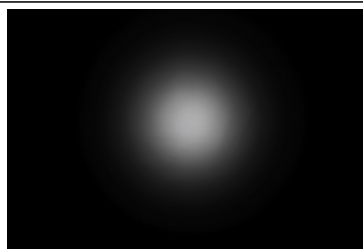
SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 89 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C

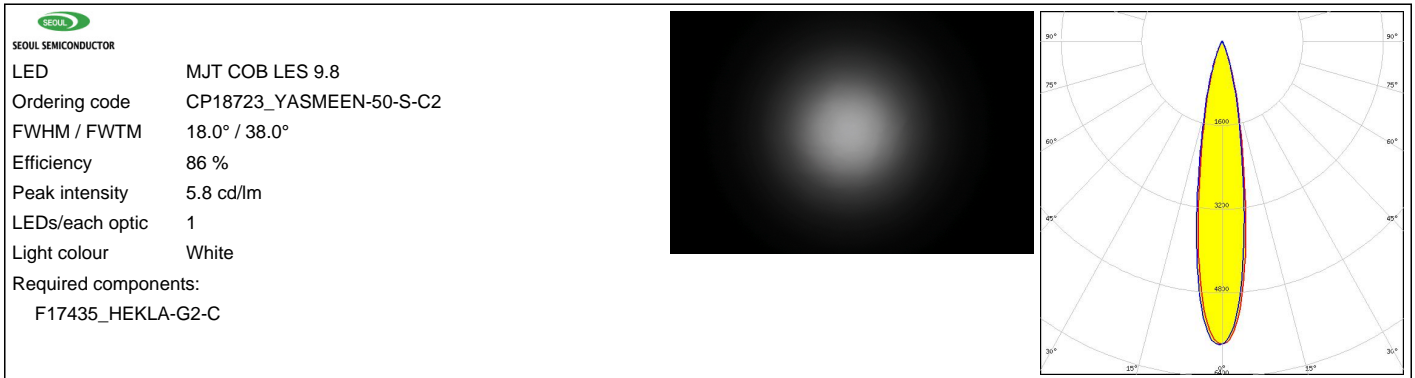
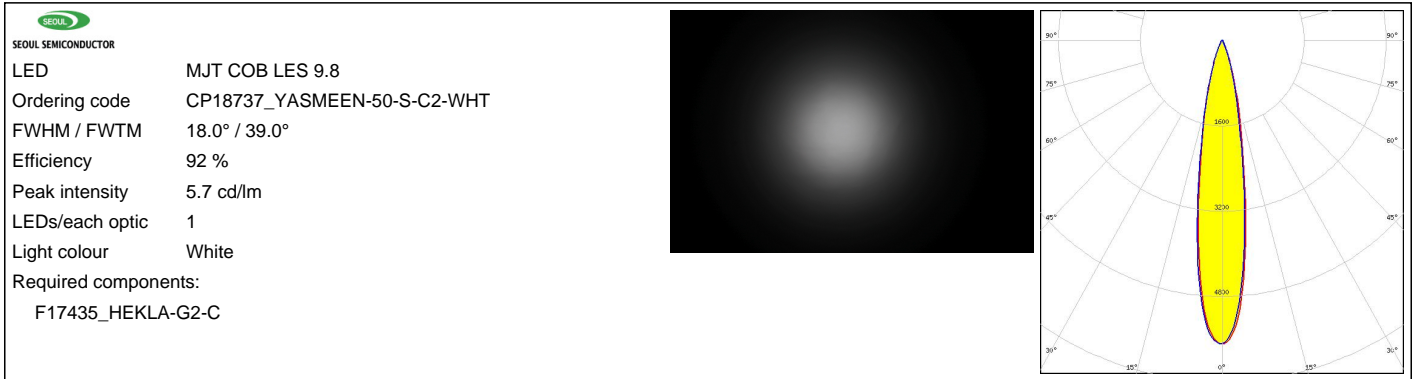


SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 Ordering code CP18737_YASMEEN-50-S-C2-WHT
 FWHM / FWTM 12.0° / 27.0°
 Efficiency 94 %
 Peak intensity 11.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



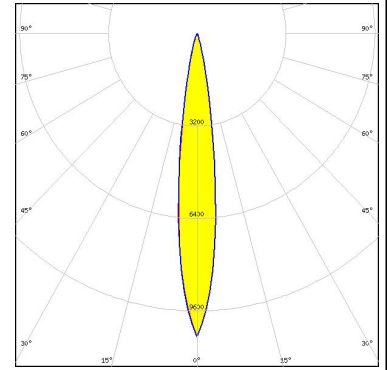
OPTICAL RESULTS (MEASURED):



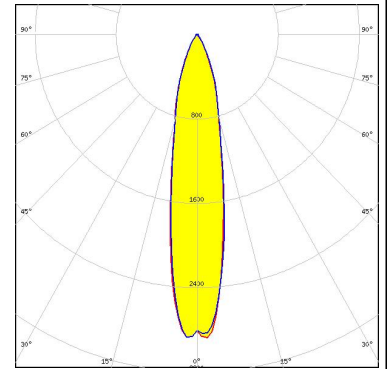
OPTICAL RESULTS (SIMULATED):



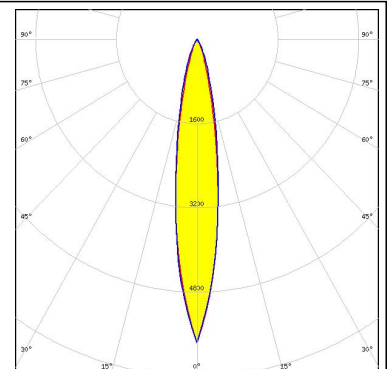
LED V6 HD Gen 7
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 14.0° / 28.0°
Efficiency 89 %
Peak intensity 10.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17435_HEKLA-G2-C



LED Vero SE 13
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 20.0° / 50.0°
Efficiency 68 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C16142_HEKLA-SOCKET-K

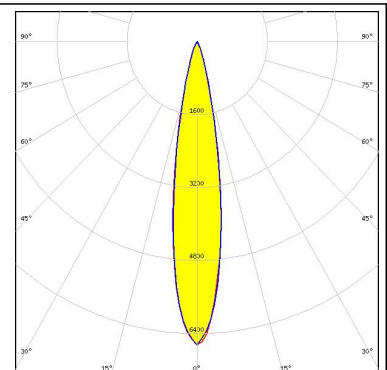


LED Vesta DTW 13mm (21W)
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 16.0° / 39.0°
Efficiency 84 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



CITIZEN

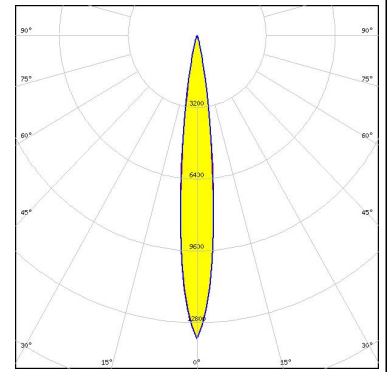
LED CLU712/713
Ordering code CP18723_YASMEEN-50-S-C2
FWHM / FWTM 18.0° / 36.0°
Efficiency 88 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
 F17438_HEKLA-G2-I



OPTICAL RESULTS (SIMULATED):

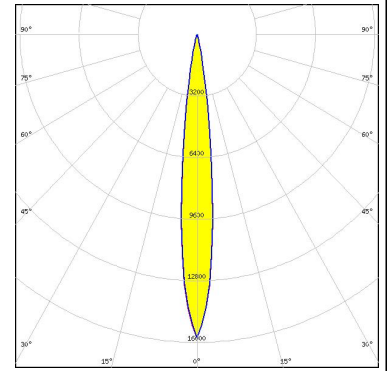
CITIZEN

LED CLU7A2/7A3
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 90 %
 Peak intensity 13.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



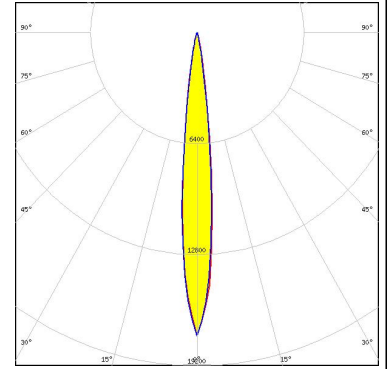
CITIZEN

LED CLU7B2
 Ordering code CP18730_YASMEEN-50-S-B2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 90 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 BJB: 47.360.1020



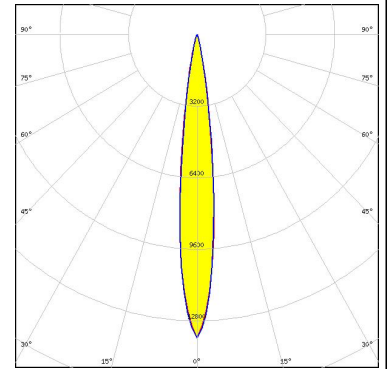
CREE LED

LED CHA0304
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 90 %
 Peak intensity 17.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



CREE LED

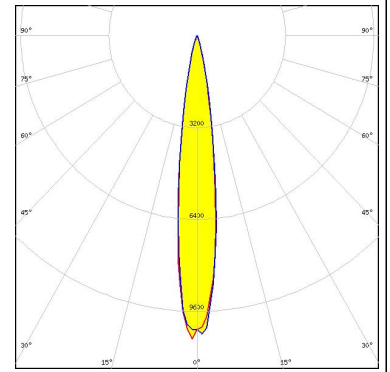
LED CHA0410
 Ordering code CP18723_YASMEEN-50-S-C2
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 91 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



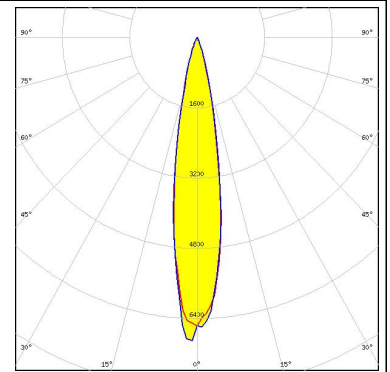
OPTICAL RESULTS (SIMULATED):



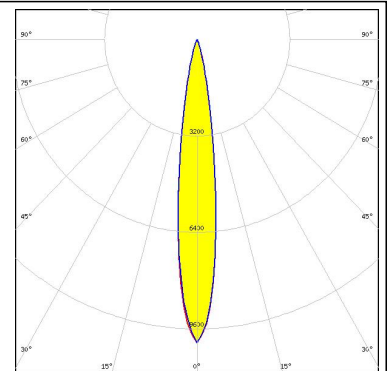
LED: CHA0612
Ordering code: CP18723_YASMEEN-50-S-C2
FWHM / FWTM: 14.0° / 28.0°
Efficiency: 90 %
Peak intensity: 10.7 cd/lm
LEDs/each optic: 1
Light colour: White
Required components:
F17435_HEKLA-G2-C



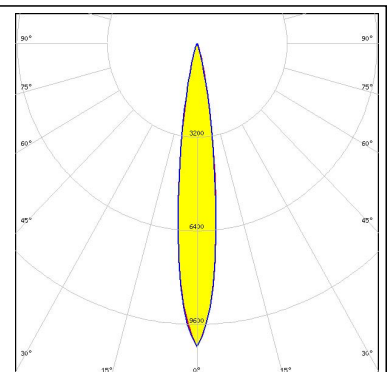
LED: CHA0825
Ordering code: CP18723_YASMEEN-50-S-C2
FWHM / FWTM: 18.0° / 36.0°
Efficiency: 88 %
Peak intensity: 6.9 cd/lm
LEDs/each optic: 1
Light colour: White
Required components:
F17438_HEKLA-G2-I



LED: CMA1306
Ordering code: CP18723_YASMEEN-50-S-C2
FWHM / FWTM: 14.0° / 30.0°
Efficiency: 89 %
Peak intensity: 10.1 cd/lm
LEDs/each optic: 1
Light colour: White
Required components:
F17439_HEKLA-G2-J



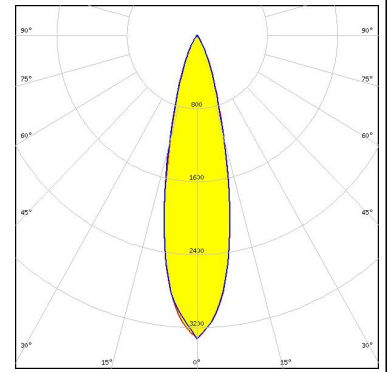
LED: LC010C G2
Ordering code: CP18730_YASMEEN-50-S-B2
FWHM / FWTM: 14.0° / 28.0°
Efficiency: 90 %
Peak intensity: 10.4 cd/lm
LEDs/each optic: 1
Light colour: White
Required components:
BJB: 47.360.1020



OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE G7 LES13
Ordering code	CP18723_YASMEEN-50-S-C2
FWHM / FWTM	25.0° / 50.0°
Efficiency	81 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I



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 13
FI-24240 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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[CP18744_YASMEEN-50-S-B2-WHT](#)