

YASMEEN-70-WW

~60° wide beam

SPECIFICATION:

Dimensions	Ø 70.0
Height	34.6 mm
Fastening	socket
ROHS compliant	yes ⓘ

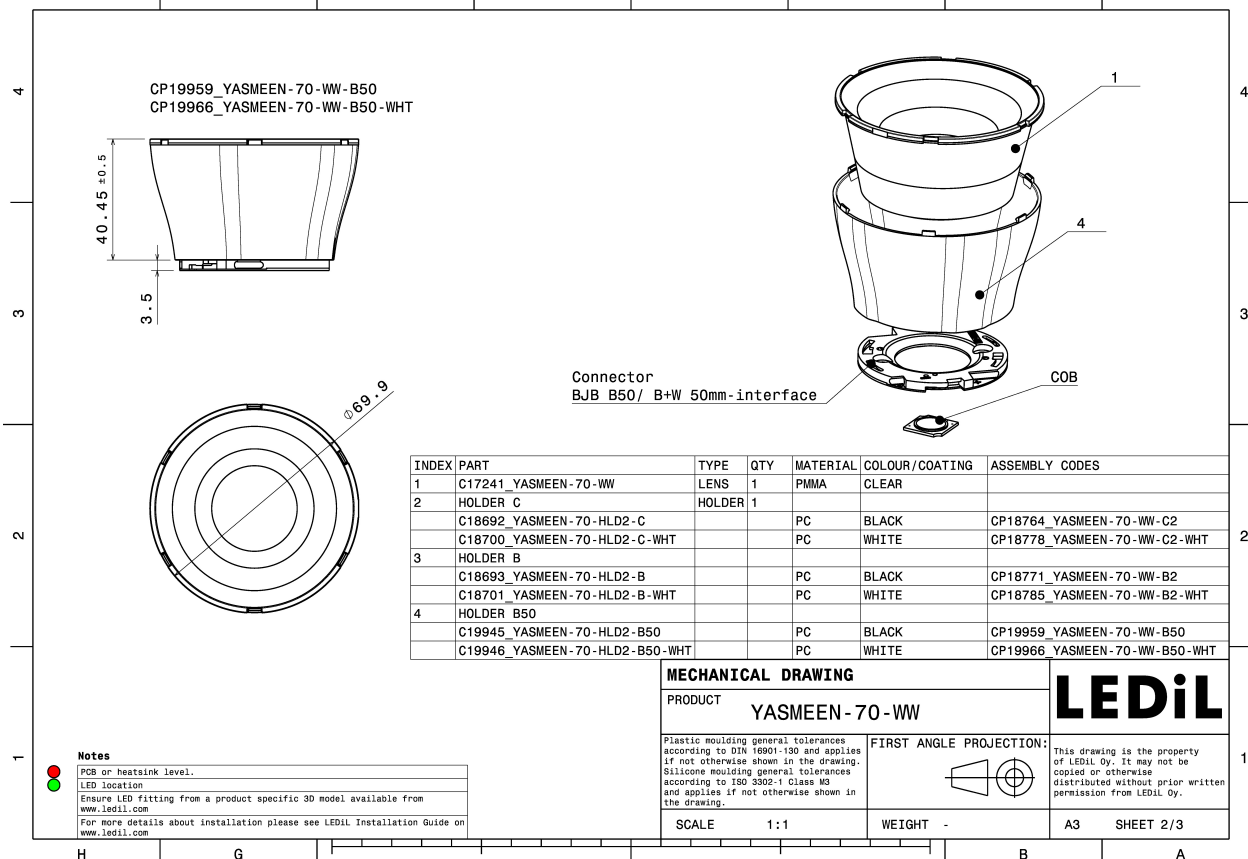
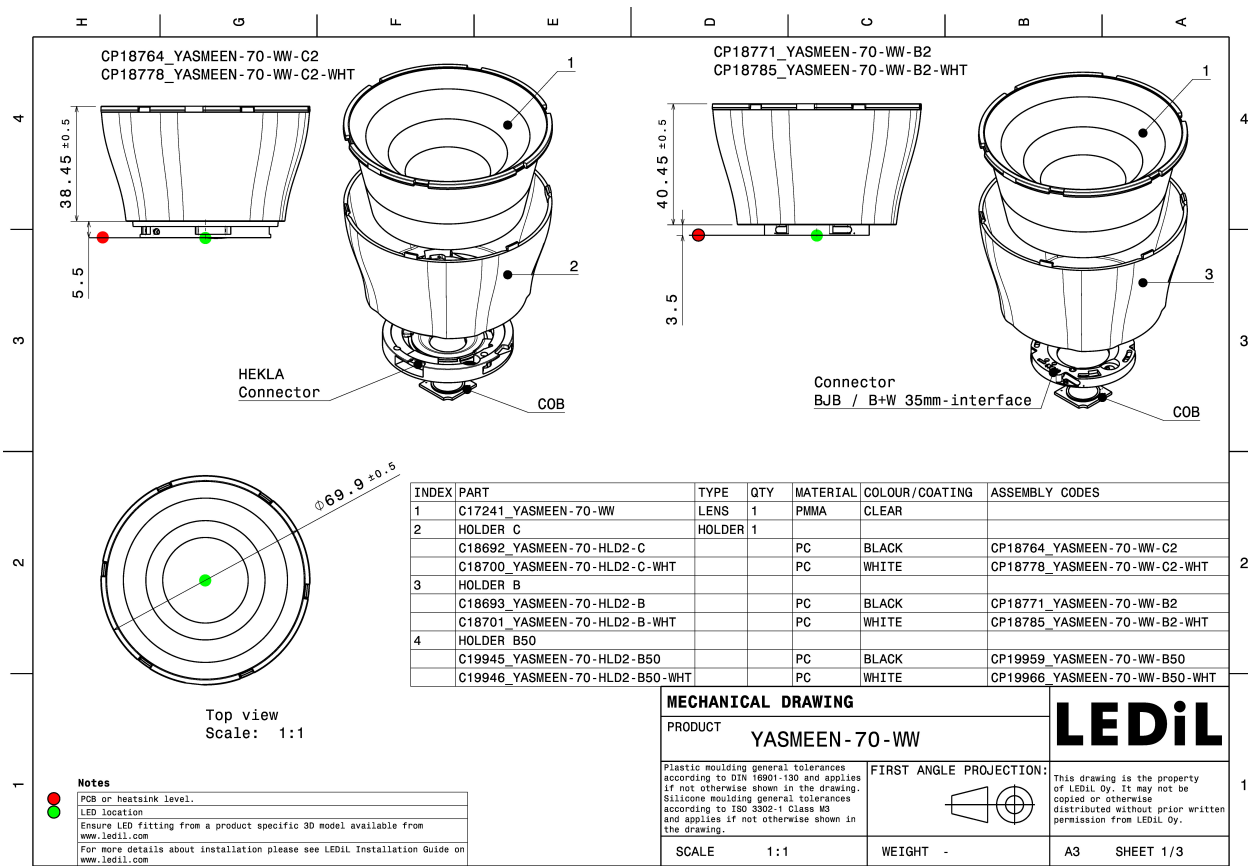
MATERIALS:

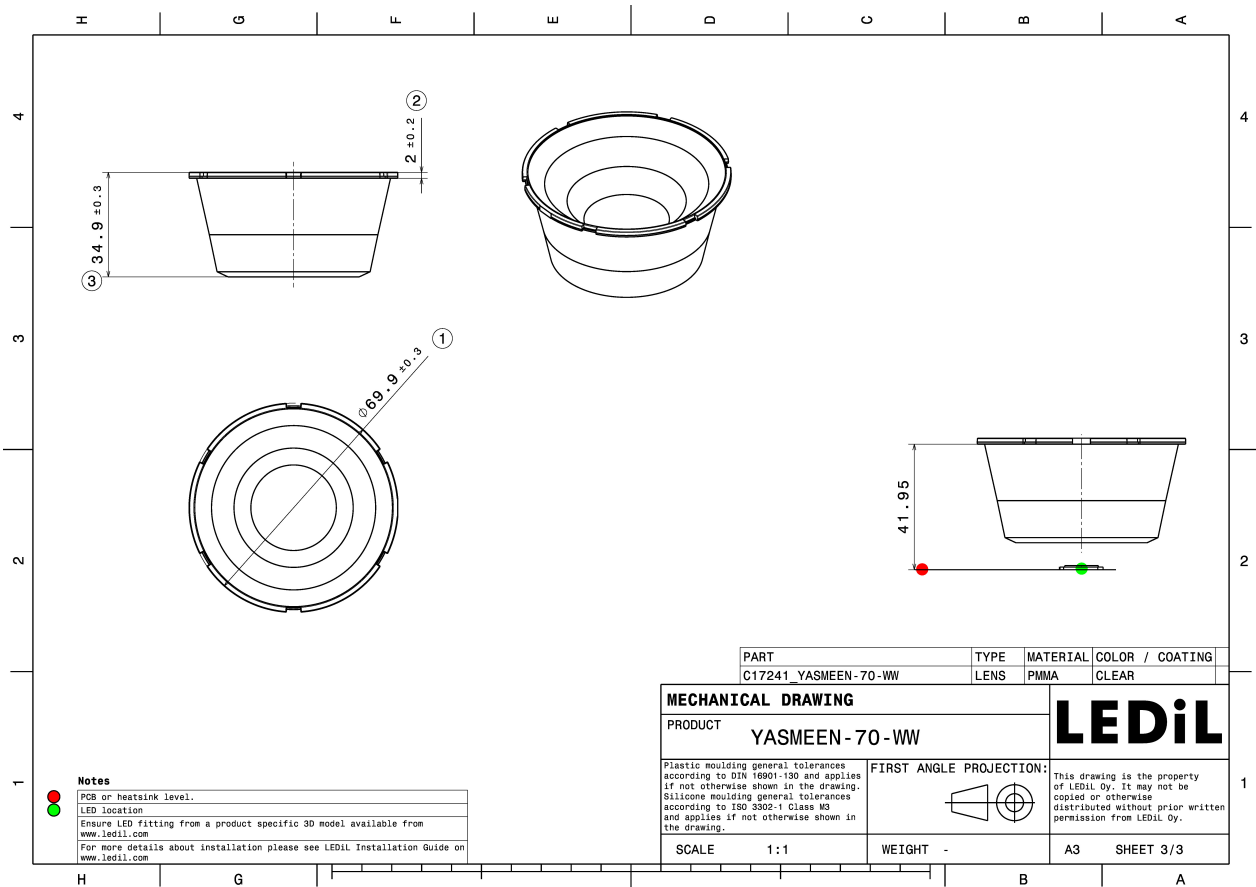


Component	Type	Material	Colour	Finish	Length (mm)
YASMEEN-70-WW	Single lens	PMMA	clear		
YASMEEN-70-HLD2-C	Holder C	PC	black		
YASMEEN-70-HLD2-B	Holder B	PC	black		
YASMEEN-70-HLD2-C-WHT	Holder C	PC	white		
YASMEEN-70-HLD2-B-WHT	Holder B	PC	white		
YASMEEN-70-HLD2-B50	Holder B	PC	black		
YASMEEN-70-HLD2-B50-WHT	Holder B	PC	white		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17241_YASMEEN-70-WW	105	105	15	8.2
Assembly				
CP19966_YASMEEN-70-WW-B50-WHT	105	105	15	9.5
CP19959_YASMEEN-70-WW-B50	105	105	15	9.5
CP18785_YASMEEN-70-WW-B2-WHT	105	105	15	9.7
CP18778_YASMEEN-70-WW-C2-WHT	105	105	15	9.6
CP18771_YASMEEN-70-WW-B2	105	105	15	9.7
CP18764_YASMEEN-70-WW-C2	105	105	15	9.6



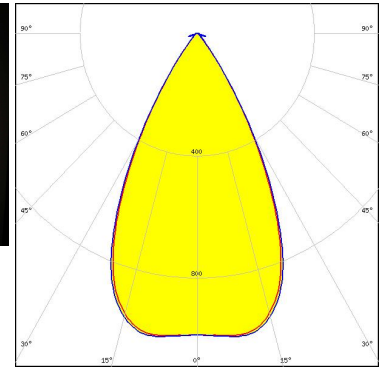
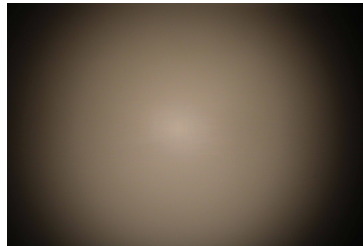


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



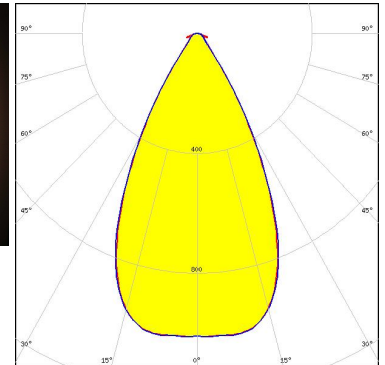
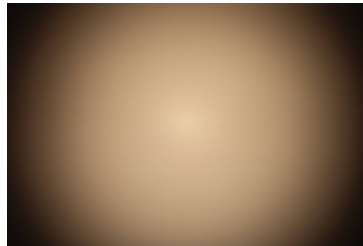
LED V10 Gen 8-9
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 55.0° / 76.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



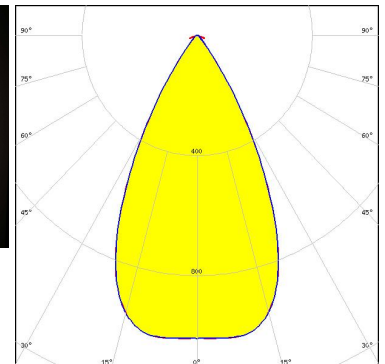
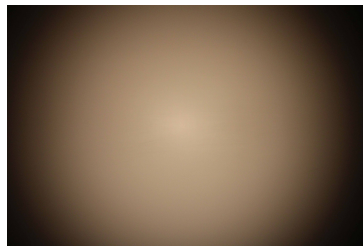
LED V11 HD Gen 8
Ordering code CP18778_YASMEEN-70-WW-C2-WHT
FWHM / FWTM 55.0° / 78.0°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 633d Hekla



Light distribution files



LED V11 HD Gen 8
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 54.0° / 75.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 633d Hekla

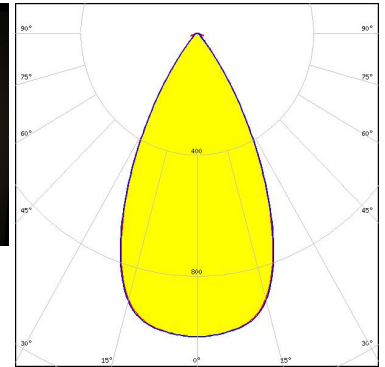
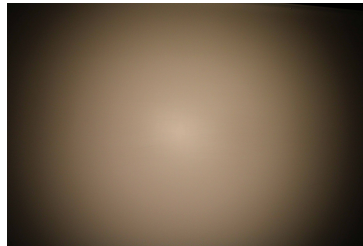


Light distribution files

OPTICAL RESULTS (MEASURED):



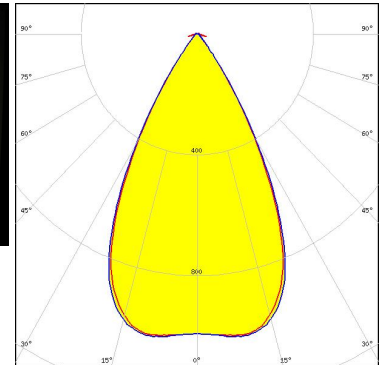
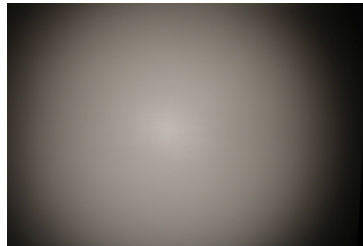
LED V13 Gen 8-9
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 53.0° / 78.0°
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



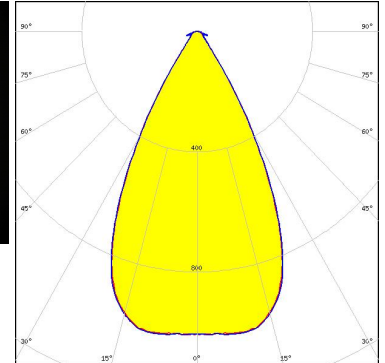
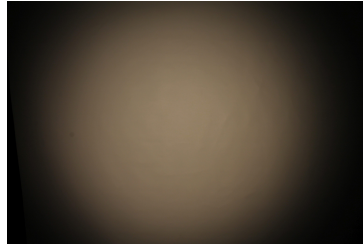
LED V8 Gen 8-9
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 56.0° / 76.0°
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



LED V9 HD Gen7
Ordering code CP18778_YASMEEN-70-WW-C2-WHT
FWHM / FWTM 55.0° / 76.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I

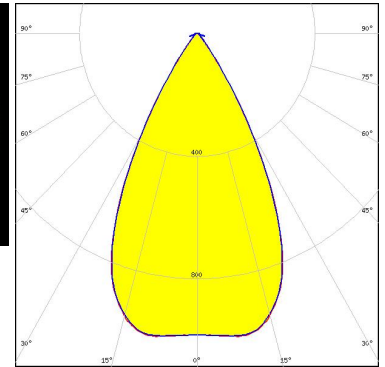
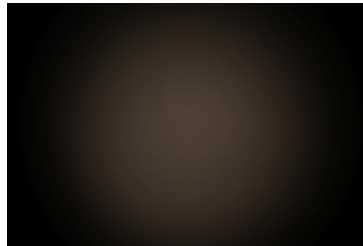


Light distribution files

OPTICAL RESULTS (MEASURED):



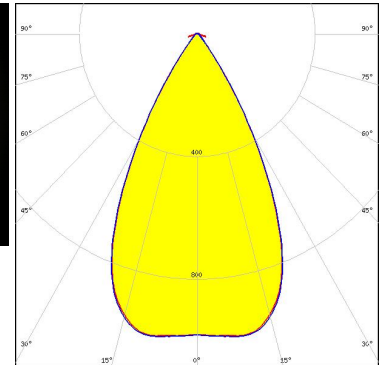
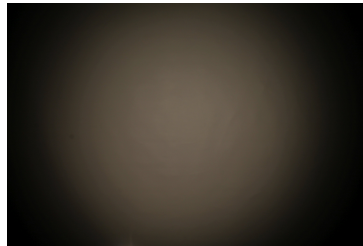
LED V9 HD Gen7
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 55.0° / 74.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



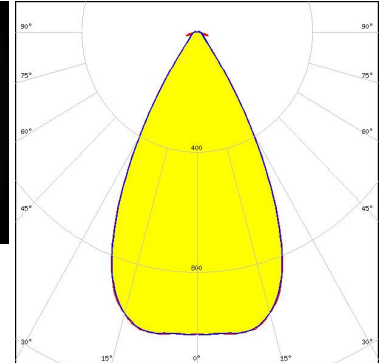
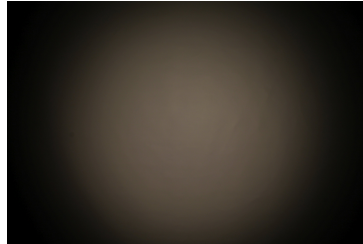
LED VERO10
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 55.0° / 75.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15616_HEKLA-SOCKET-F



Light distribution files



LED VERO10
Ordering code CP18778_YASMEEN-70-WW-C2-WHT
FWHM / FWTM 55.5° / 76.5°
Efficiency 90 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15616_HEKLA-SOCKET-F

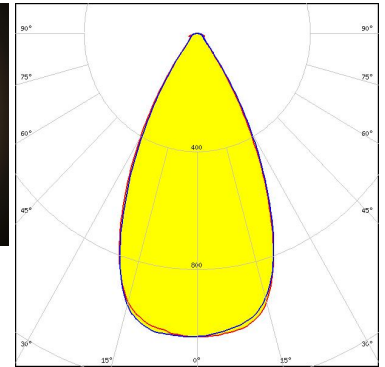
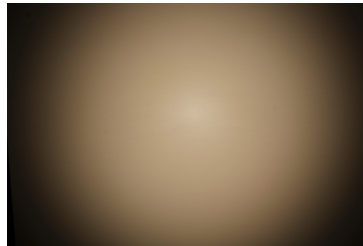


Light distribution files

OPTICAL RESULTS (MEASURED):



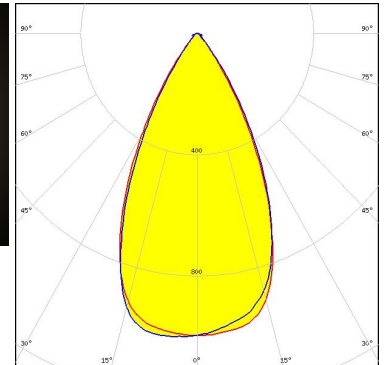
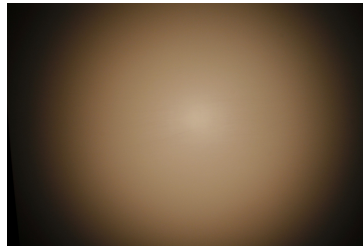
LED Vesta DTW 13mm (21W)
Ordering code CP18778_YASMEEN-70-WW-C2-WHT
FWHM / FWTM 54.0° / 79.0°
Efficiency 89 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 632b Hekla XL



Light distribution files



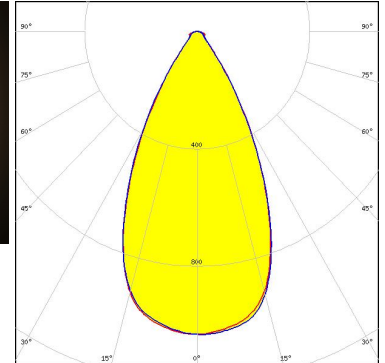
LED Vesta DTW 13mm (21W)
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 53.0° / 77.0°
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 632a Hekla



Light distribution files



LED Vesta DTW 15mm (33W)
Ordering code CP18778_YASMEEN-70-WW-C2-WHT
FWHM / FWTM 52.0° / 80.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 632b Hekla XL

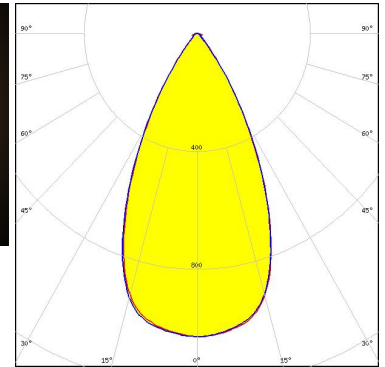
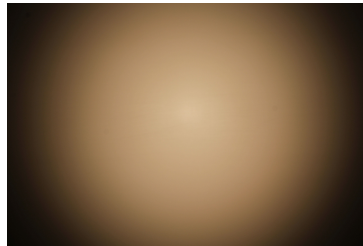


Light distribution files

OPTICAL RESULTS (MEASURED):



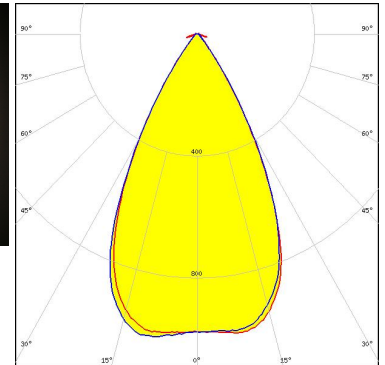
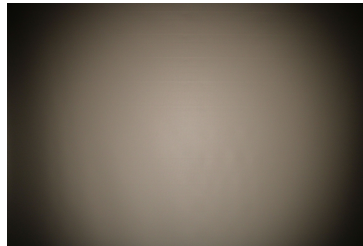
LED Vesta DTW 15mm (33W)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 77.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 632b Hekla XL



Light distribution files



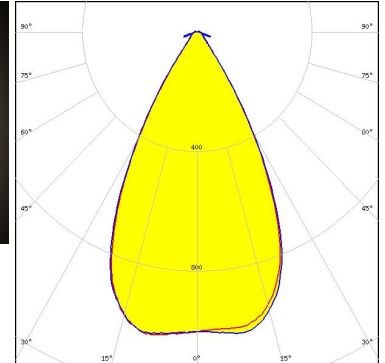
LED Vesta DTW 9mm (4W/6W/12W)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 55.0° / 76.0°
 Efficiency 82 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 652b Hekla



Light distribution files



LED Vesta DTW 9mm (4W/6W/12W)
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 56.0° / 77.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 652b Hekla

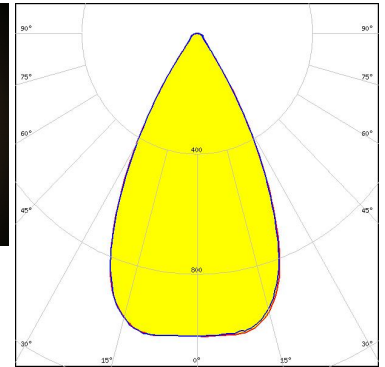
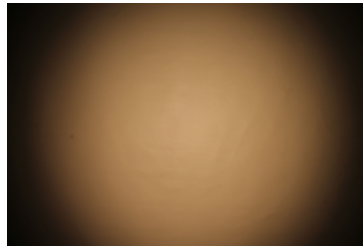


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

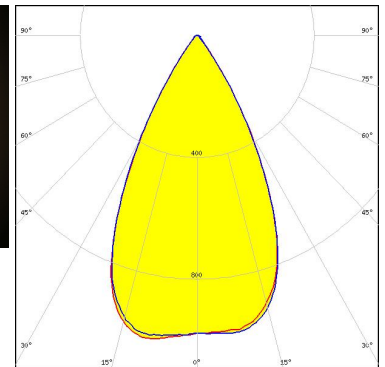
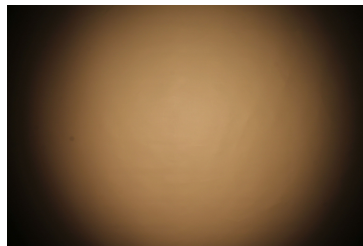
LED CLL02x/CLU02x (LES10)
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 55.0° / 77.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CITIZEN

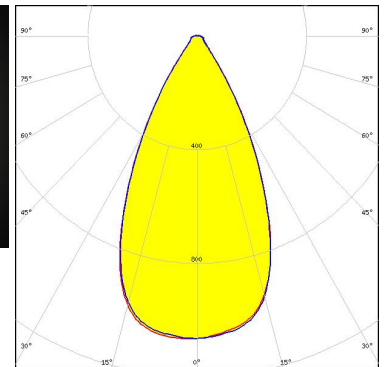
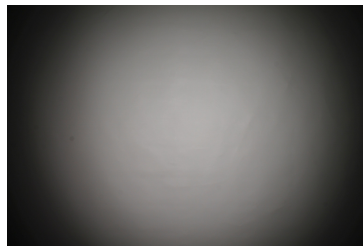
LED CLL02x/CLU02x (LES10)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

CITIZEN

LED CLL03x/CLU03x
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 52.0° / 78.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C

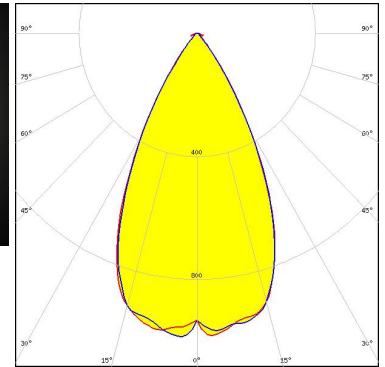
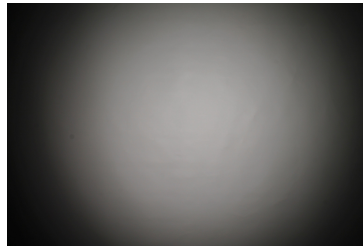


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

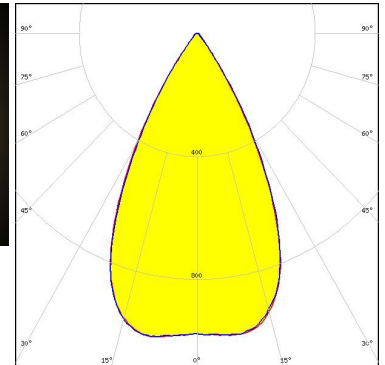
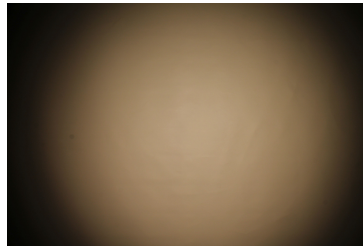
LED CLL03x/CLU03x
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



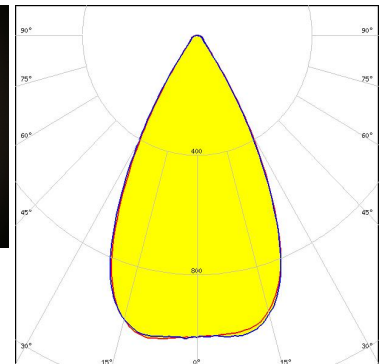
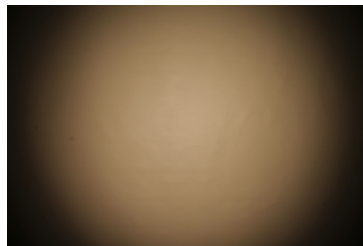
LED CMA1516
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 55.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17436_HEKLA-G2-D



Light distribution files



LED CMA1516
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 55.0° / 77.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17436_HEKLA-G2-D

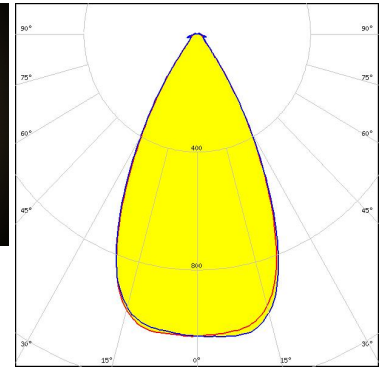
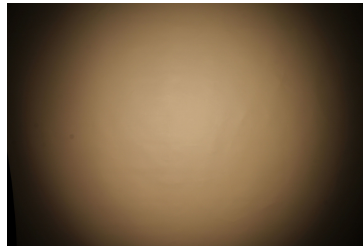


Light distribution files

OPTICAL RESULTS (MEASURED):



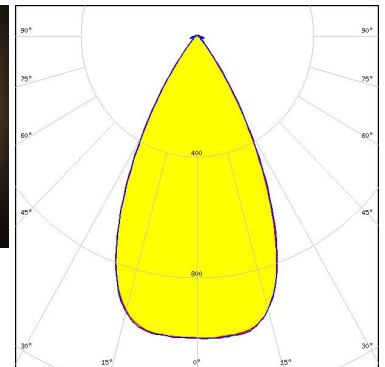
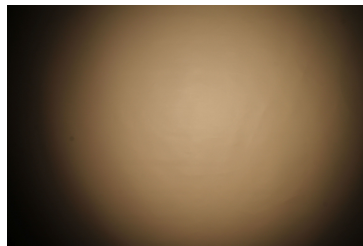
LED CMA1825
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



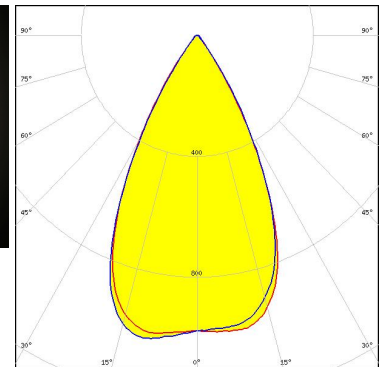
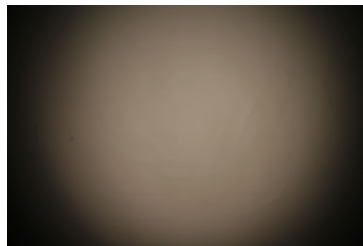
LED CMA1825
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED CMT14xx
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 55.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C

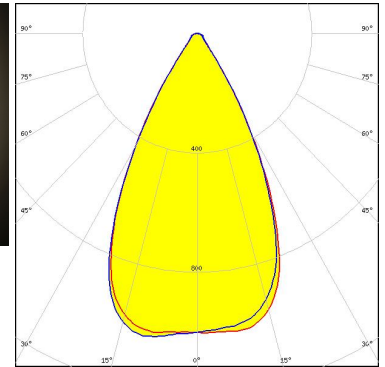


Light distribution files

OPTICAL RESULTS (MEASURED):



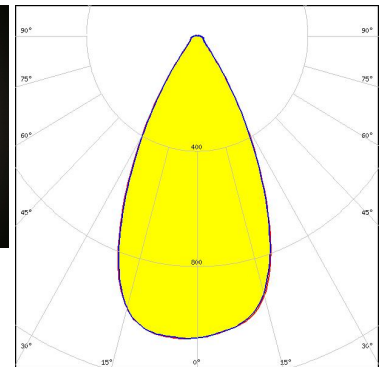
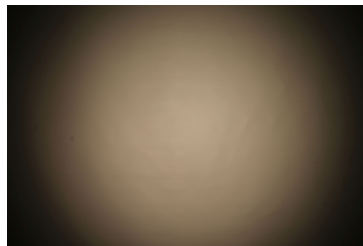
LED CMT14xx
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 55.0° / 77.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files



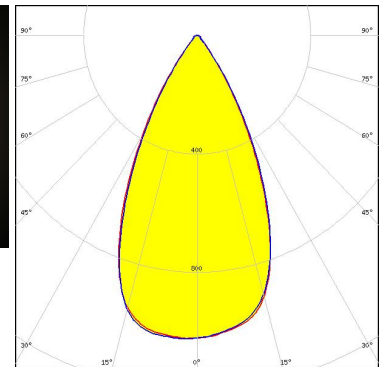
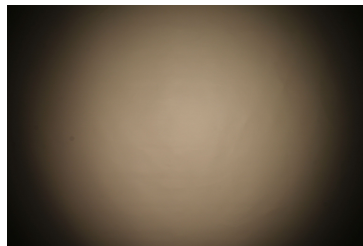
LED CMT19xx
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 52.0° / 78.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED CMT19xx
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

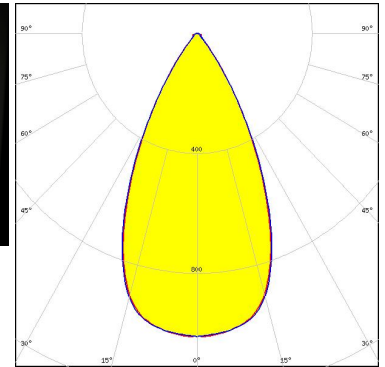
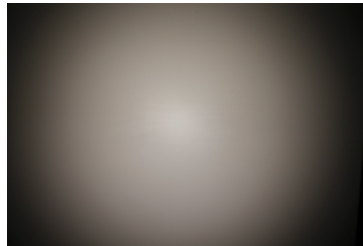


Light distribution files

OPTICAL RESULTS (MEASURED):



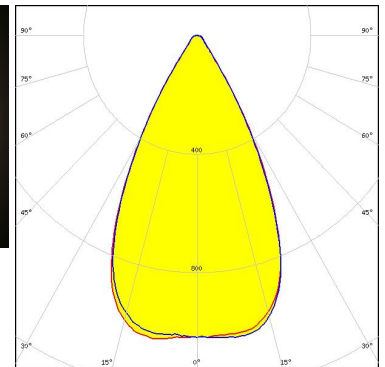
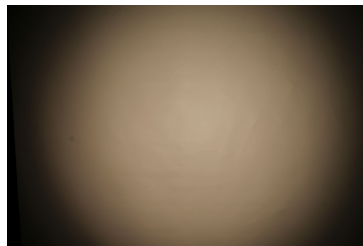
LED CMU15xx
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 77.0°
 Efficiency 79 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



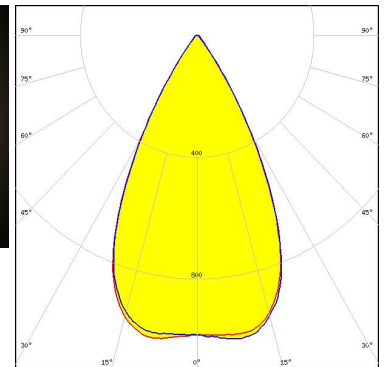
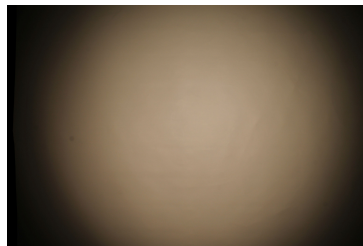
LED LUXEON CoB 1202/1203
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 55.0° / 76.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H



Light distribution files



LED LUXEON CoB 1202/1203
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 55.0° / 74.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H

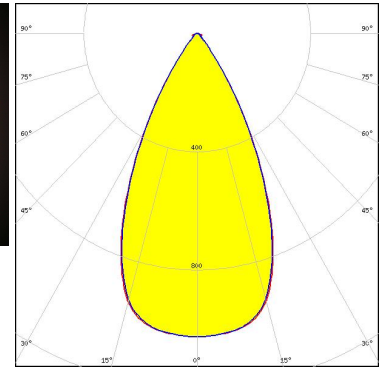
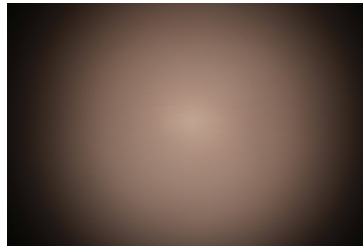


Light distribution files

OPTICAL RESULTS (MEASURED):



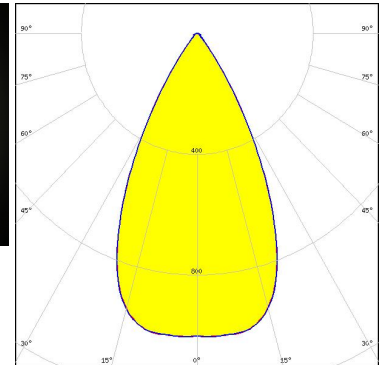
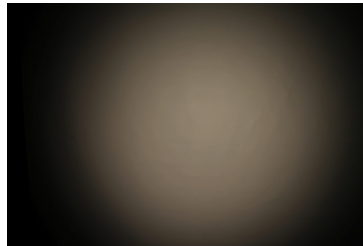
LED CTM-14 (Tunable White) Gen2
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



Light distribution files



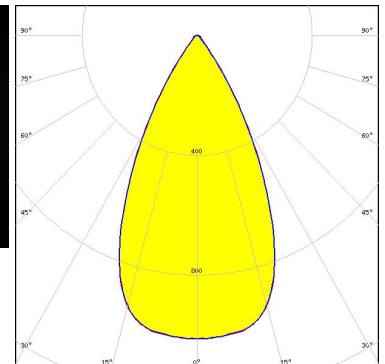
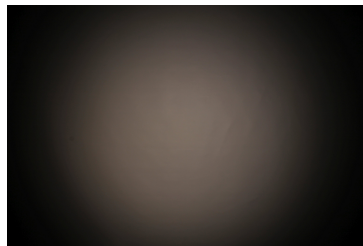
LED COB L-Type (LES 11)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 75.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H



Light distribution files



LED COB S-Type (LES 7)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 53.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

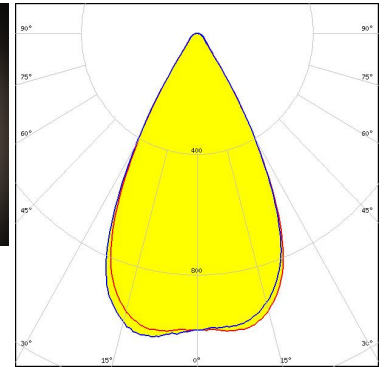
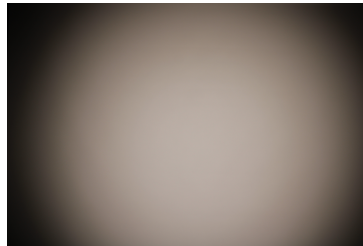


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

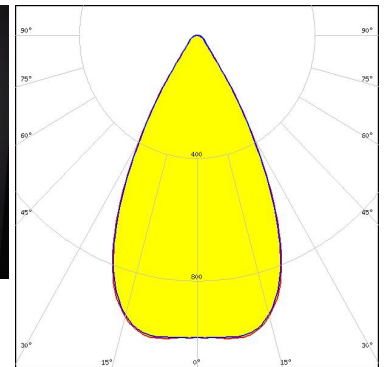
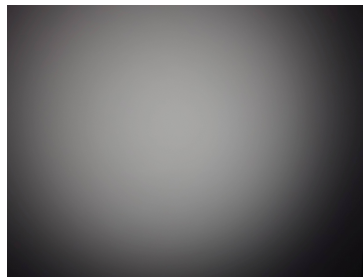
LED Fortimo SLM C TW L06A 1313 G7N
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 57.0° / 76.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 508 Typ L8



Light distribution files

PHILIPS

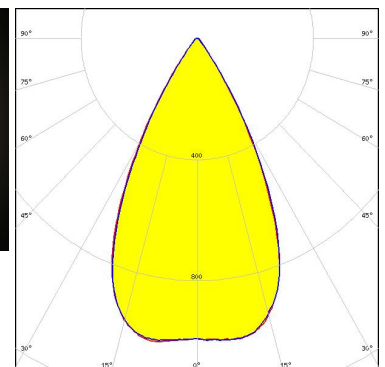
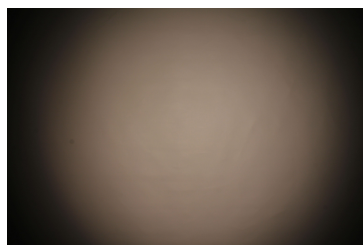
LED Fortimo SLM C TW L09A 1919 G7N
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 55.0° / 78.0°
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



Light distribution files

PHILIPS

LED Fortimo SLM L09 CoB
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 74.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H

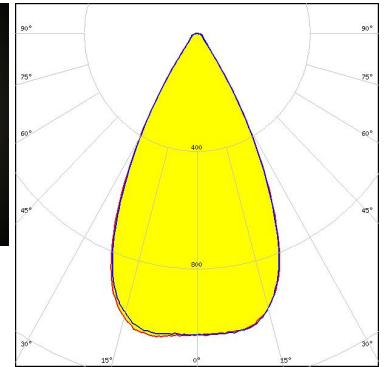
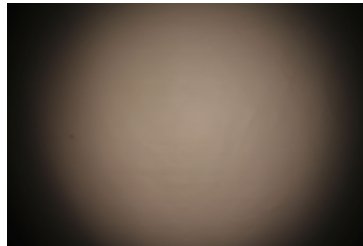


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

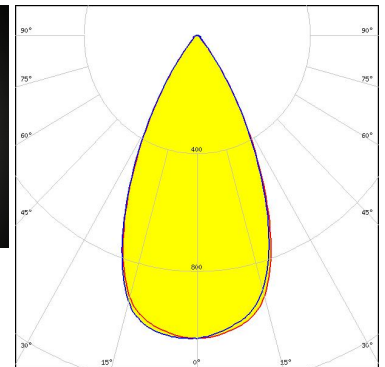
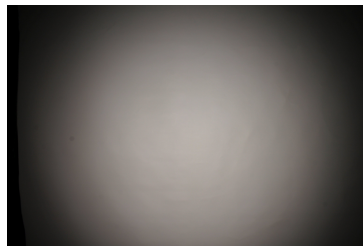
LED Fortimo SLM L09 CoB
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 54.0° / 76.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H



Light distribution files

SAMSUNG

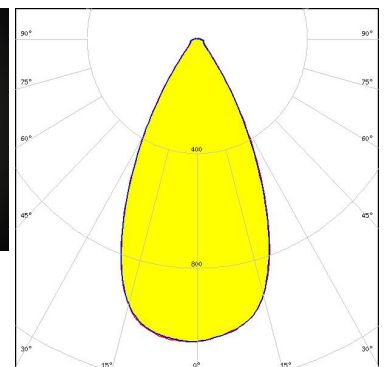
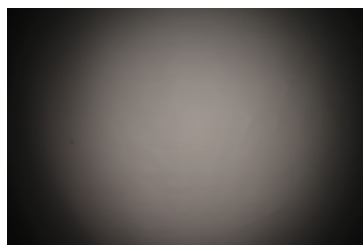
LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 77.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 52.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

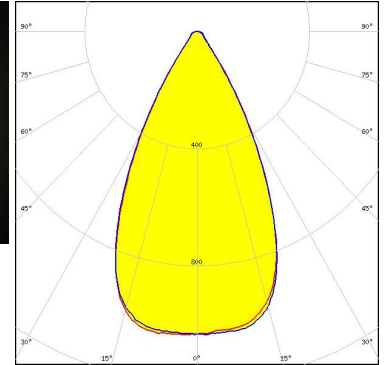


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

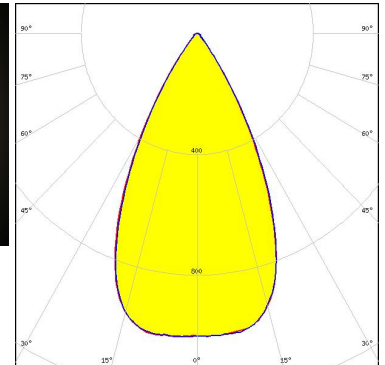
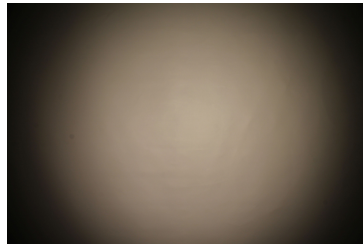
LED LC030C/040C G2
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

SAMSUNG

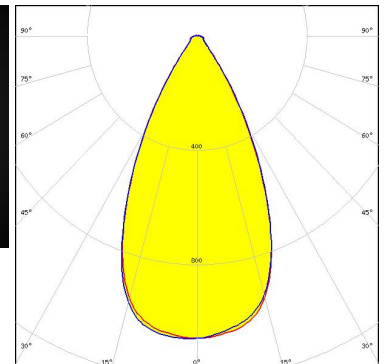
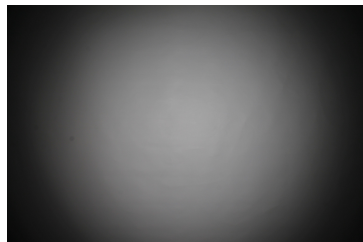
LED LC030C/040C G2
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 75.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED MJT COB LES 14.5
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 52.0° / 79.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

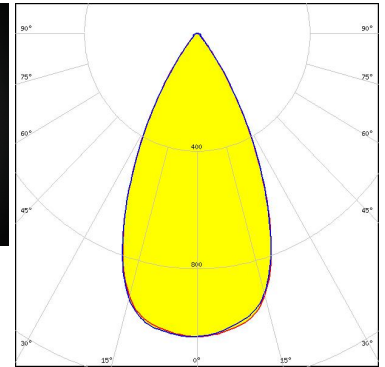
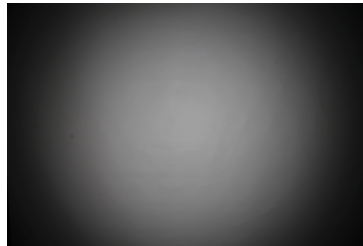


Light distribution files

OPTICAL RESULTS (MEASURED):



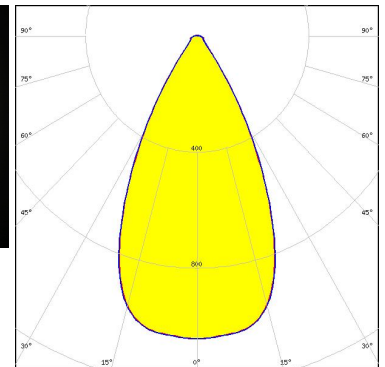
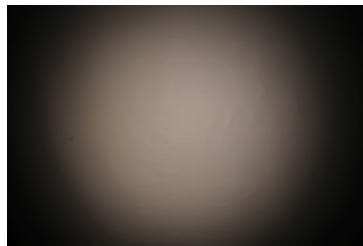
LED MJT COB LES 14.5
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 77.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

TRIDONIC

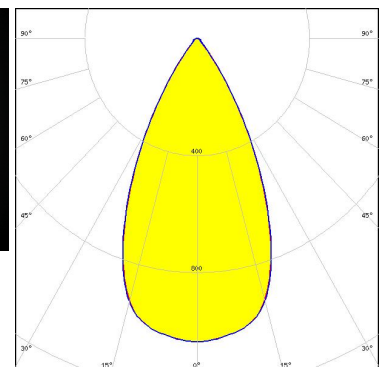
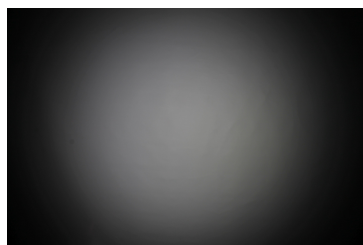
LED SLE G7 LES13
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 53.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

TRIDONIC

LED SLE G7 LES15
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

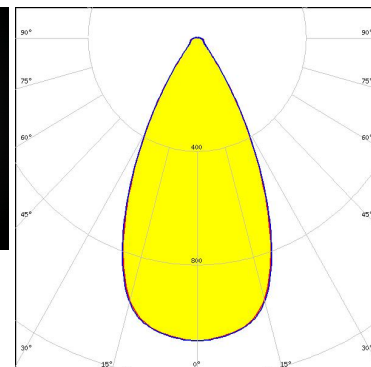
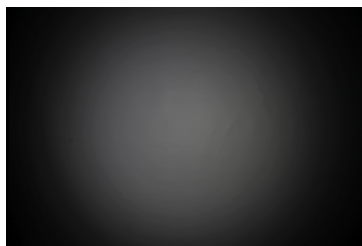


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

LED SLE G7 LES15
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 52.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

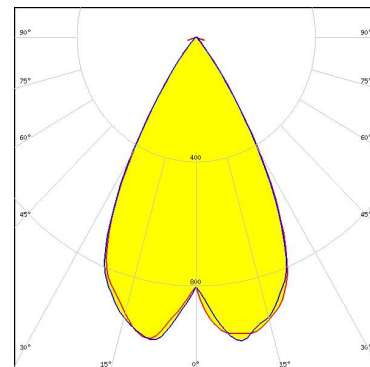


Light distribution files

OPTICAL RESULTS (SIMULATED):



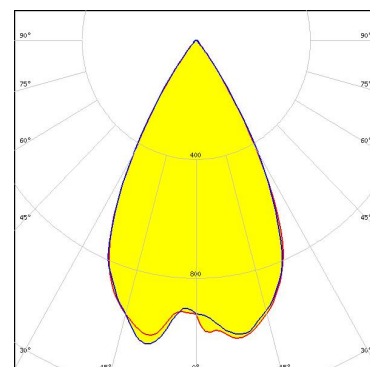
LED V6 HD Gen 7
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 58.0° / 76.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



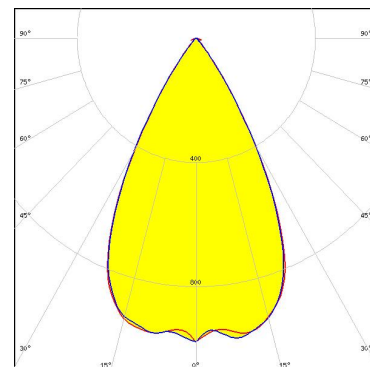
LED V6 HD Gen 8
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 58.0° / 76.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



LED V8 Gen 8-9
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 57.0° / 76.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A

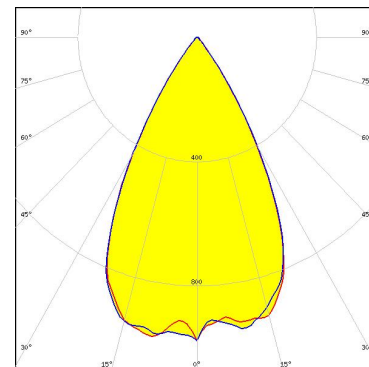


Light distribution files

OPTICAL RESULTS (SIMULATED):



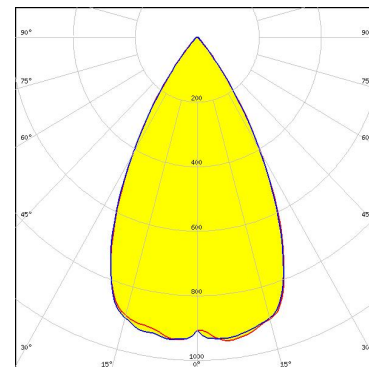
LED V9 HD Gen 8
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 57.0° / 76.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



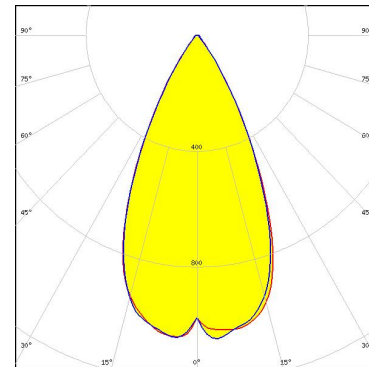
LED VERO13
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 58.0° / 80.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta SE 13mm TW
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 51.0° / 74.0°
Efficiency 76 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
 C16142_HEKLA-SOCKET-K

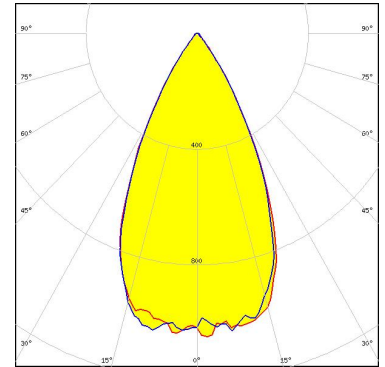


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED Vesta TW 13mm (18W) DP
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 75.0°
 Efficiency 79 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

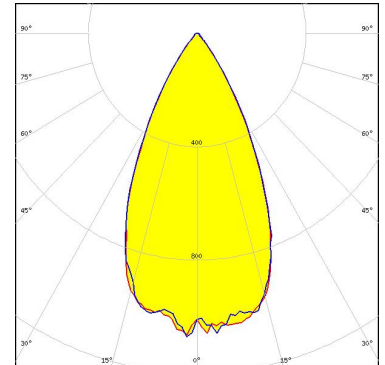


Light distribution files

Bender Wirth: 492 Typ L8



LED Vesta TW 15mm DP
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 51.0° / 76.0°
 Efficiency 78 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

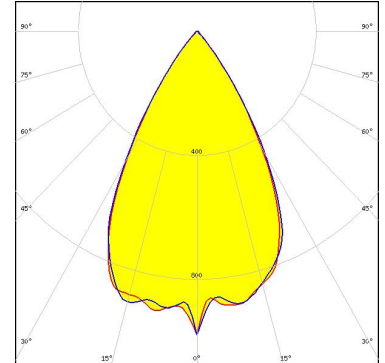


Light distribution files

Bender Wirth: 482 Typ L8



LED Vesta TW 9mm (9W) DP
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 59.0° / 80.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



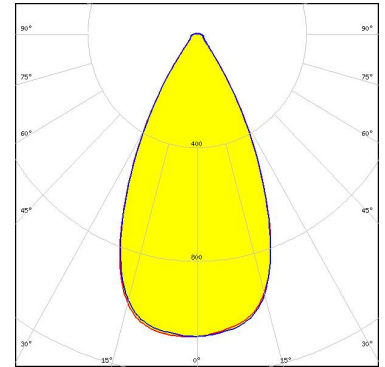
Light distribution files

Bender Wirth: 489 Typ L8

OPTICAL RESULTS (SIMULATED):

CITIZEN

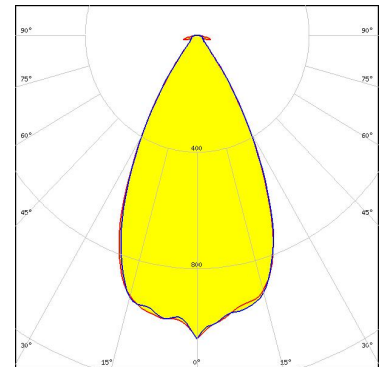
LED CLL03x/CLU03x
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 54.0° / 80.0°
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

CITIZEN

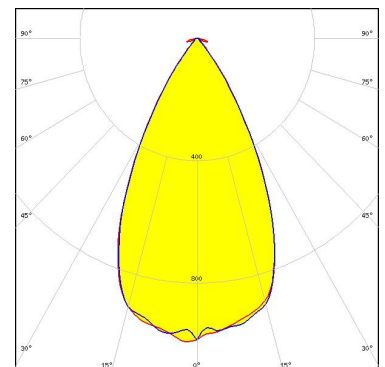
LED CLL03x/CLU03x
 Ordering code CP18785_YASMEEN-70-WW-B2-WHT
 FWHM / FWTM 54.0° / 80.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

LED CLL03x/CLU03x
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 79 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

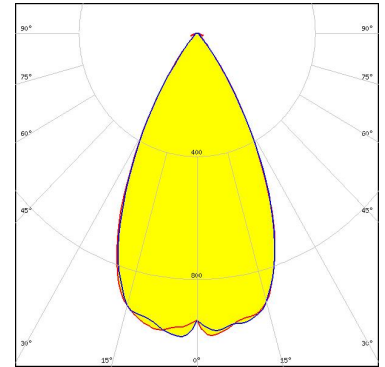


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

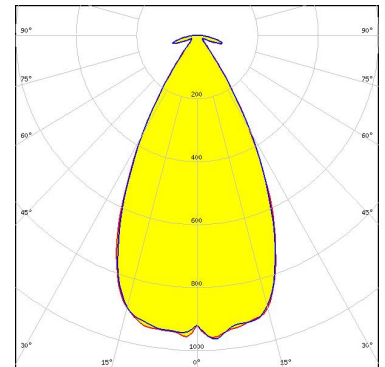
LED CLL03x/CLU03x
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 79 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

CITIZEN

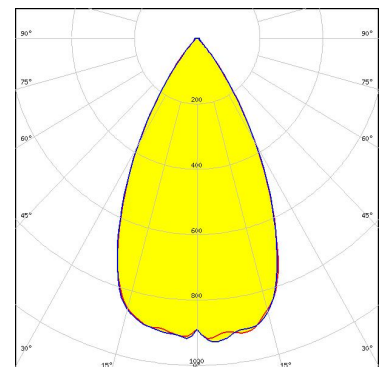
LED CLL03x/CLU03x
 Ordering code C17241_YASMEEN-70-WW
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

LED CLU03Q Type-F
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 80.0°
 Efficiency 78 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

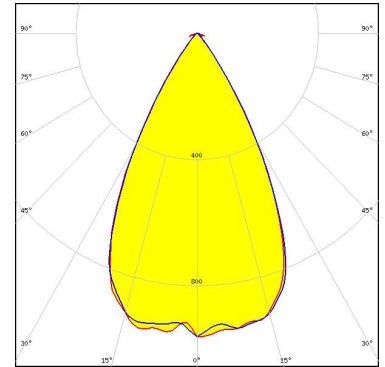


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

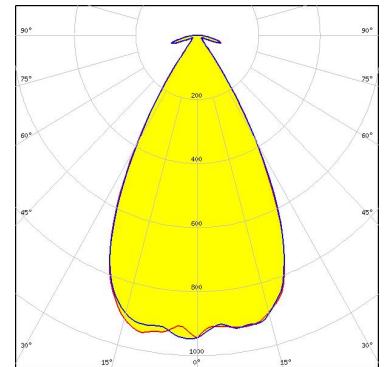
LED CLU712/713
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

CITIZEN

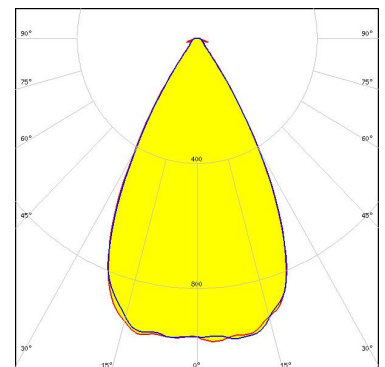
LED CLU712/713
 Ordering code C17241_YASMEEN-70-WW
 FWHM / FWTM 57.0° / 76.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

LED CLU712/713
 Ordering code CP18778_YASMEEN-70-WW-C2-WHT
 FWHM / FWTM 58.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I

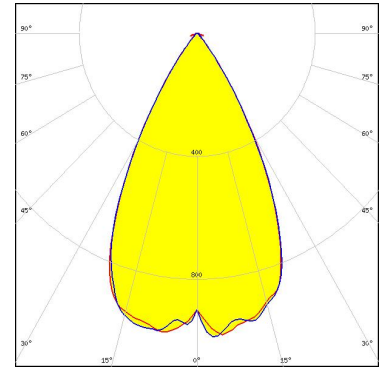


Light distribution files

OPTICAL RESULTS (SIMULATED):



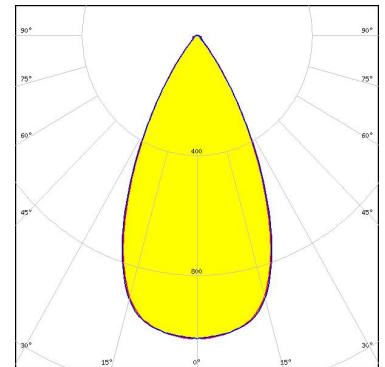
LED CMU10xx
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files



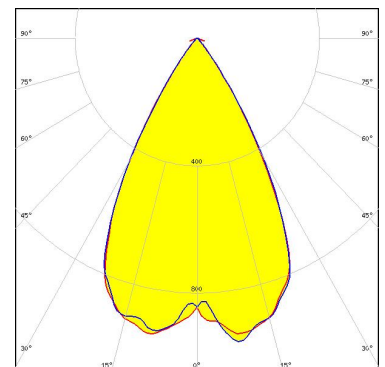
LED CMU15xx
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 76.0°
 Efficiency 79 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED CXA/B 13xx
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 58.0° / 76.0°
 Efficiency 82 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17439_HEKLA-G2-J

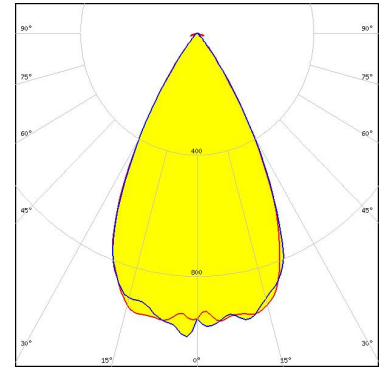


Light distribution files

OPTICAL RESULTS (SIMULATED):



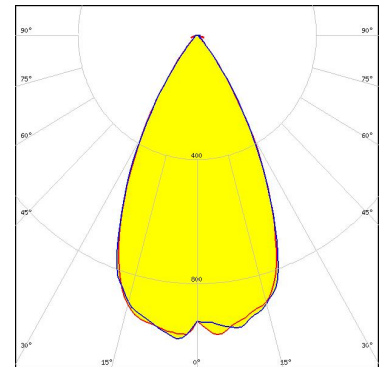
LED CXA/B 15xx
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 56.0° / 76.0°
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17436_HEKLA-G2-D



Light distribution files



LED CXA/B 1830
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 54.0° / 78.0°
Efficiency 79 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

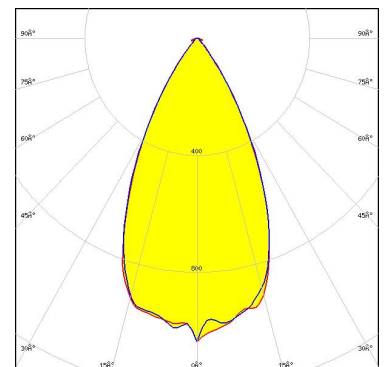


Light distribution files

Bender Wirth: 637b Hekla



LED PrevaLED Core G7 LES15 CoB
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 52.0° / 78.0°
Efficiency 78 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files

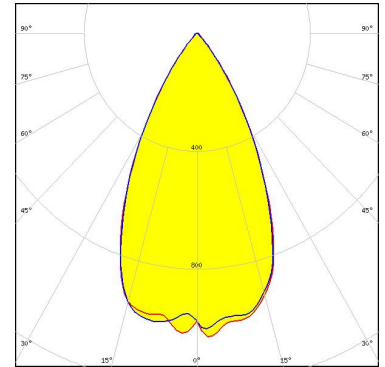
OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB L08 (Gen2)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 80 %
 Peak intensity 1 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

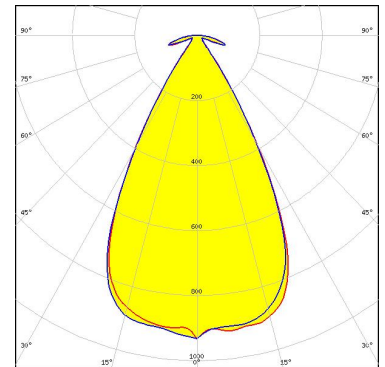
Bender Wirth: 637a Hekla

Light distribution files



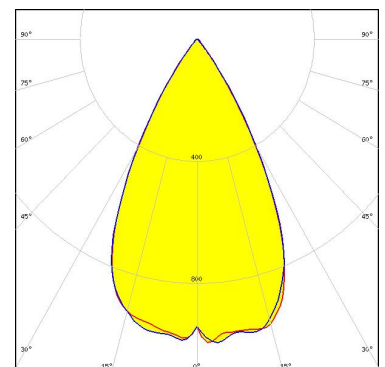
LED LUXEON 7070
 FWHM / FWTM 57.0° / 75.0°
 Efficiency 92 %
 Peak intensity 0.9 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED LUXEON CoB 1202/1203
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

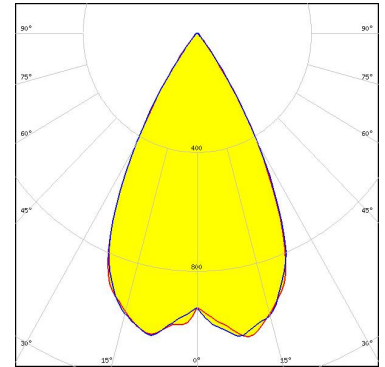
Light distribution files



OPTICAL RESULTS (SIMULATED):



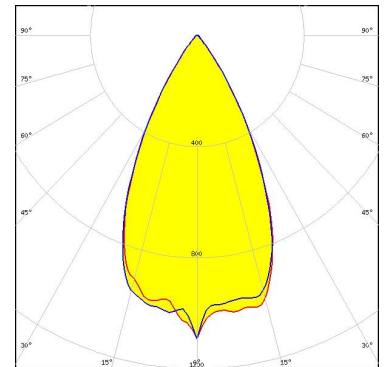
LED LUXEON CoB 1202HD
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 57.0° / 75.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15848_HEKLA-SOCKET-G



Light distribution files



LED LUXEON CoB 1204/1205
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 52.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

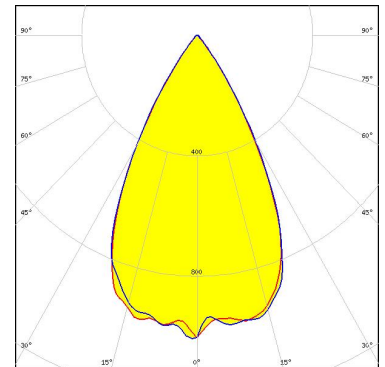


Bender Wirth: 632a Hekla XL

Light distribution files



LED LUXEON CoB 1204HD
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

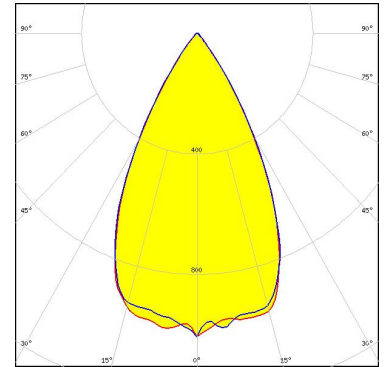


Light distribution files

OPTICAL RESULTS (SIMULATED):



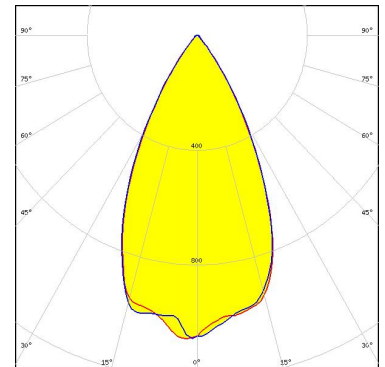
LED LUXEON CoB 1205HD
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1208
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 53.0° / 77.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

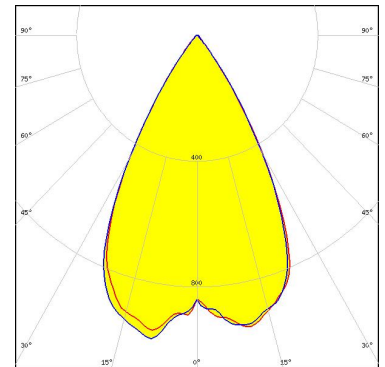


Light distribution files

Bender Wirth: 632a Hekla XL



LED LUXEON CX Plus CoB - HD S02H6
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 58.0° / 77.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

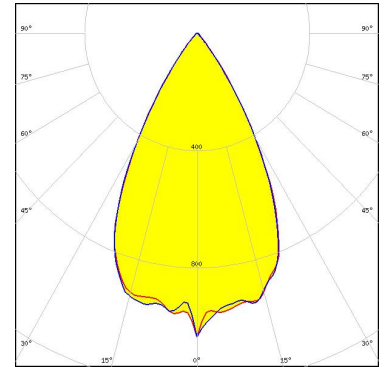
Bender Wirth: 634c Bayonet35L

OPTICAL RESULTS (SIMULATED):



LED LUXEON CX Plus CoB - HD S04H9
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 56.0° / 78.0°
 Efficiency 82 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

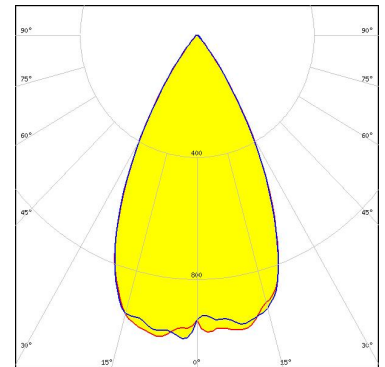
Bender Wirth: 634a Bayonet35L



Light distribution files



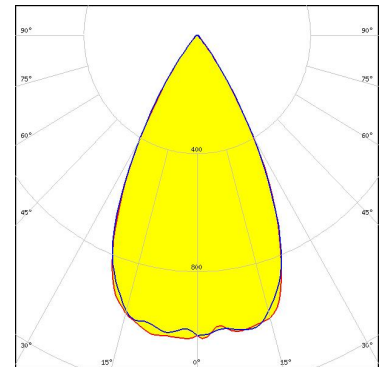
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15256_HEKLA-SOCKET-D

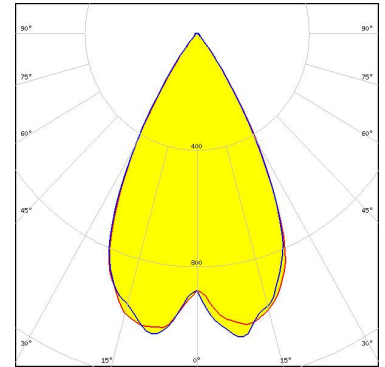


Light distribution files

OPTICAL RESULTS (SIMULATED):



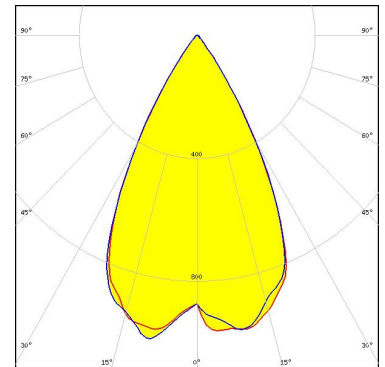
LED LUXEON CX Plus CoB S01 (Gen2)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 57.0° / 76.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15956_HEKLA-SOCKET-J



Light distribution files



LED CTM-6 (Tunable White) Gen2
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 57.0° / 74.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

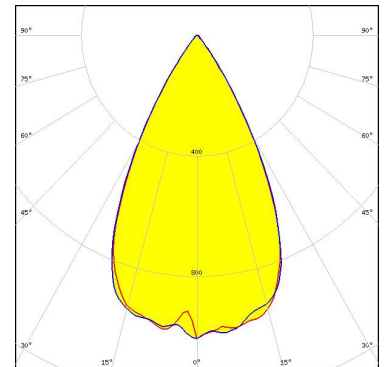


Light distribution files

Bender Wirth: 495 Typ L8



LED CTM-9 (Tunable White) Gen2
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



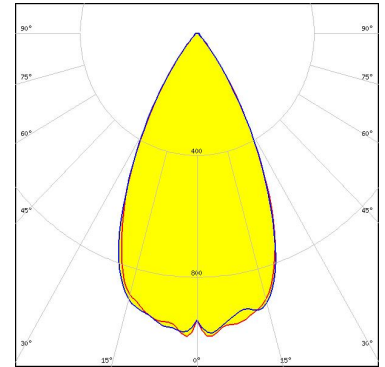
Light distribution files

Bender Wirth: 495 Typ L8

OPTICAL RESULTS (SIMULATED):



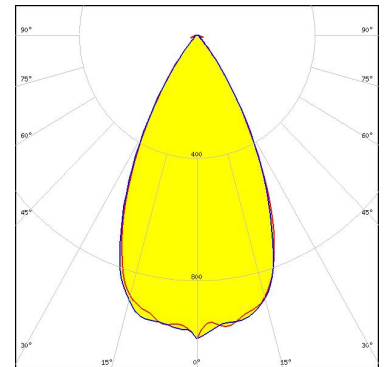
LED CxM-14 (18.5x18.5)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 78 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



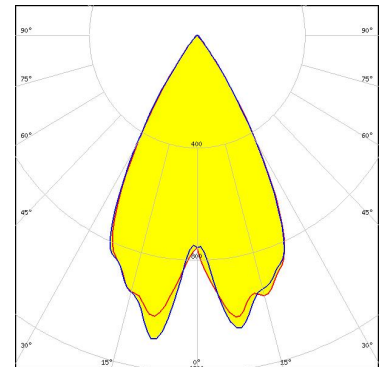
LED CxM-14 (19x19)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 78 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED CXM-3
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 57.0° / 74.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634a Bayonet35L

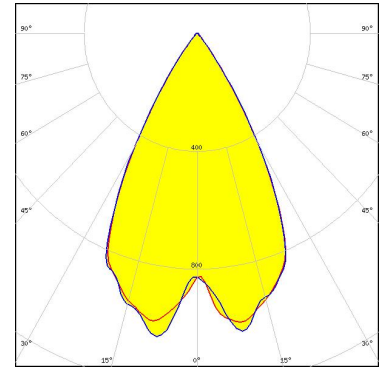


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED CXM-4
Ordering code CP18771_YASMEEN-70-WW-B2
FWHM / FWTM 58.0° / 75.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

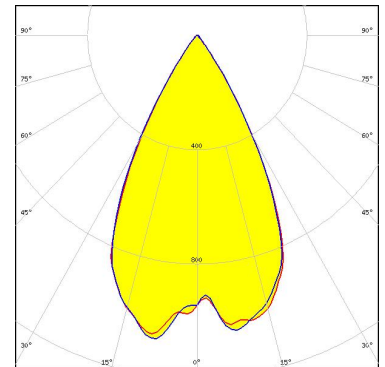


Bender Wirth: 634a Bayonet35L

Light distribution files



LED CxM-6 (13.5x13.5)
Ordering code CP18771_YASMEEN-70-WW-B2
FWHM / FWTM 56.0° / 74.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

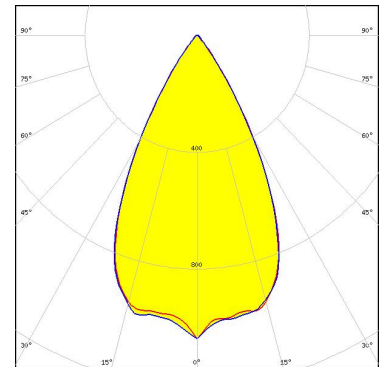


BJB: 47.360.1020

Light distribution files



LED CxM-9 (13.5x13.5)
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 56.0° / 76.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



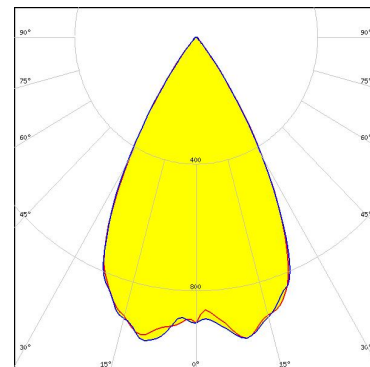
Light distribution files

OPTICAL RESULTS (SIMULATED):



LED COB S-Type (LES 6)
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 58.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Bender Wirth: 652a Bayonet35L

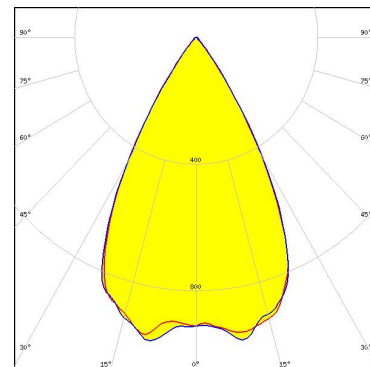


Light distribution files



LED COB S-Type (LES 7)
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 58.0° / 76.0°
 Efficiency 82 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Bender Wirth: 652a Bayonet35L

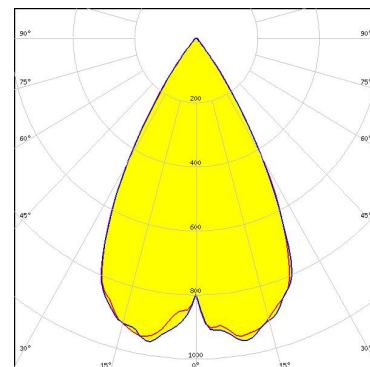


Light distribution files



LED COB T-Type
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 58.0° / 76.0°
 Efficiency 82 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Bender Wirth: 652a Bayonet35L

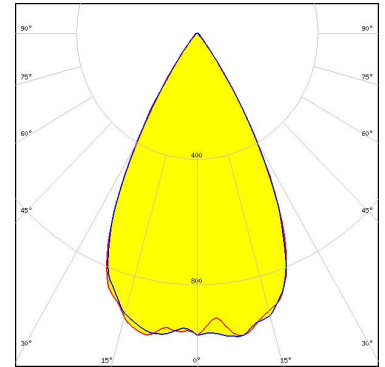


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED NJCWL024Z-V1MT: COB L-Type Tunable White
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 74.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

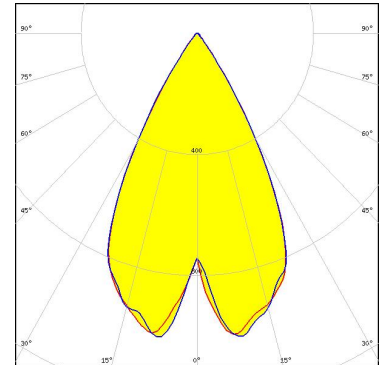


Light distribution files

Bender Wirth: 497 Typ L8 HV



LED NJNWS012Z-V1MT: COB S-Type Tunable White
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 74.0°
 Efficiency 81 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K

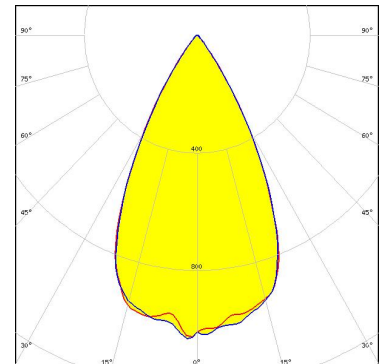


Light distribution files

Bender Wirth: 495 Typ L8 HV



LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 76.0°
 Efficiency 79 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



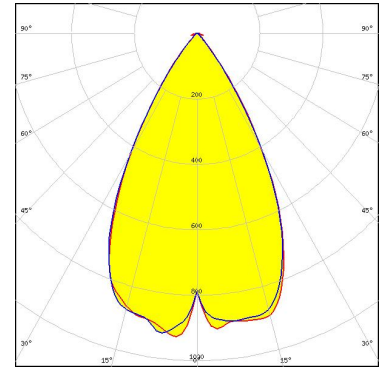
Light distribution files

Bender Wirth: 498 Typ L8 HV

OPTICAL RESULTS (SIMULATED):



LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 58.0° / 80.0°
 Efficiency 81 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

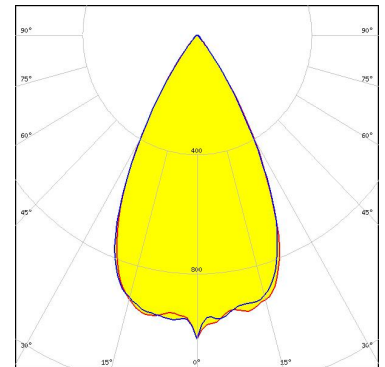


Light distribution files

Bender Wirth: 498 Typ L8 HV

SAMSUNG

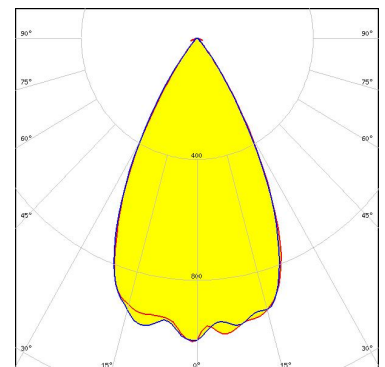
LED LC003D / LC006D / LC009D / LC013D
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C

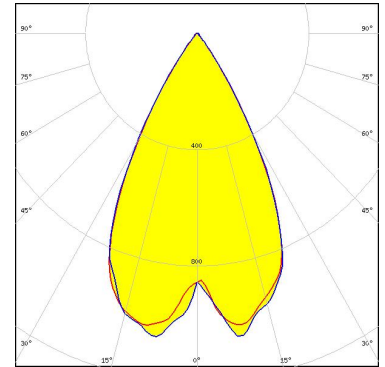


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC010C G2
Ordering code CP18771_YASMEEN-70-WW-B2
FWHM / FWTM 56.0° / 74.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

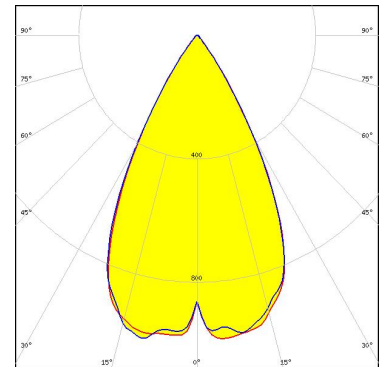


BJB: 47.360.1020

Light distribution files

SAMSUNG

LED LC010T (Tunable White)
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 56.0° / 75.0°
Efficiency 81 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K

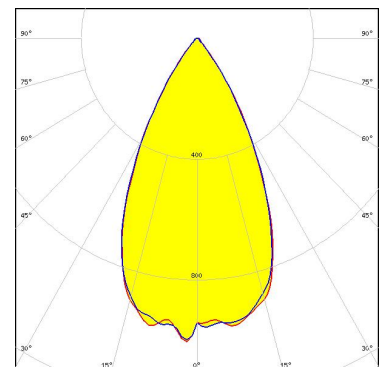


Bender Wirth: 501 Typ L8

Light distribution files

SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
Ordering code CP18764_YASMEEN-70-WW-C2
FWHM / FWTM 53.0° / 78.0°
Efficiency 78 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



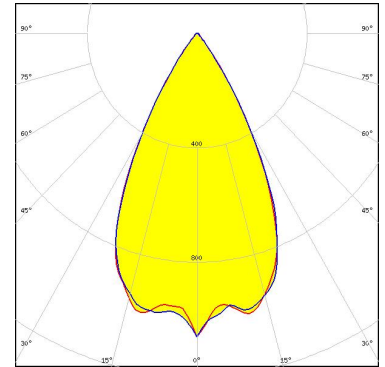
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020C G2
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 54.0° / 74.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

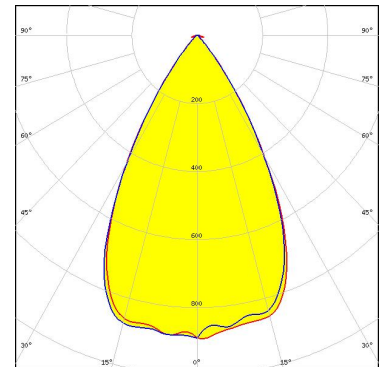
BJB: 47.360.1010



Light distribution files

SAMSUNG

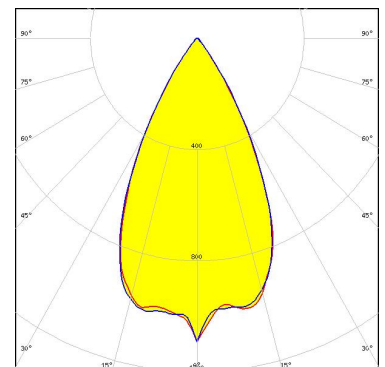
LED LC020T (Tunable white)
 Ordering code C17241_YASMEEN-70-WW
 FWHM / FWTM 59.0° / 80.0°
 Efficiency 81 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

LED LC020T (Tunable white)
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 53.0° / 74.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files

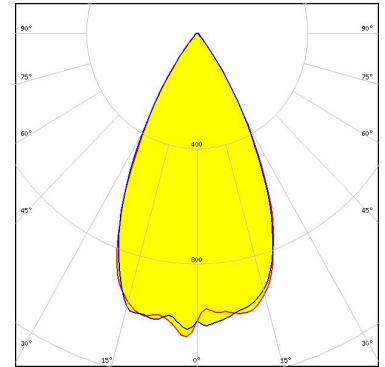
Bender Wirth: 501 Typ L8

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC030C/040C G2
 Ordering code CP18771_YASMEEN-70-WW-B2
 FWHM / FWTM 54.0° / 76.0°
 Efficiency 80 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

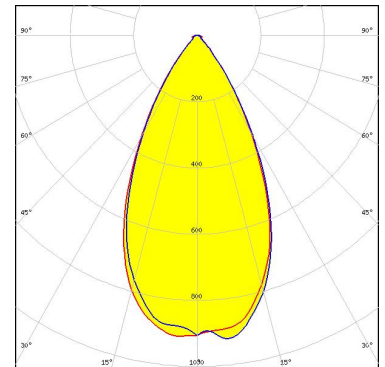
BJB: 47.360.1010



Light distribution files

SAMSUNG

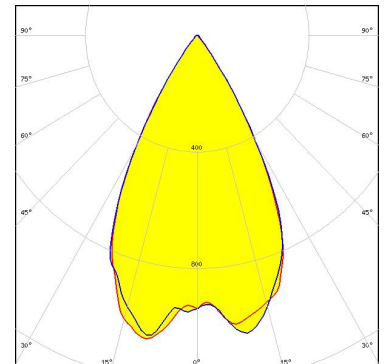
LED LC035T (Tunable white)
 Ordering code C17241_YASMEEN-70-WW
 FWHM / FWTM 54.0° / 82.0°
 Efficiency 75 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED MJT COB LES 6
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 75.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

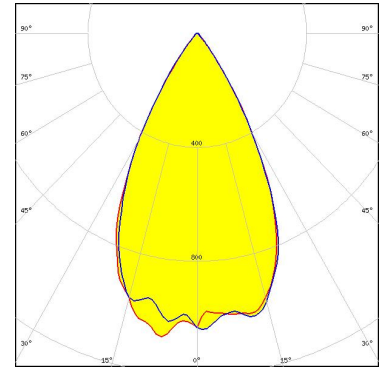


Light distribution files

OPTICAL RESULTS (SIMULATED):



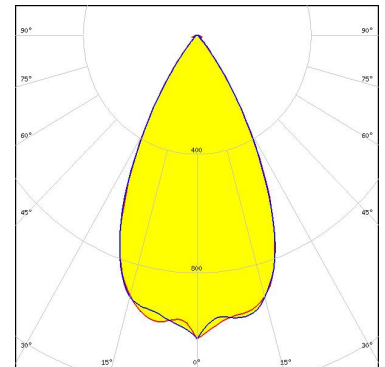
LED MJT COB LES 9.8
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 76.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

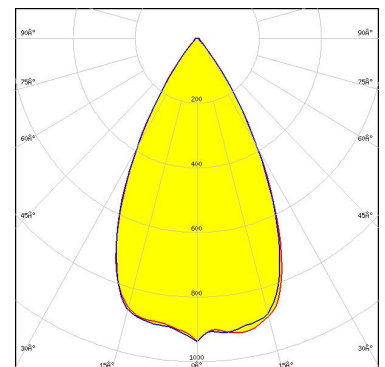
LED SLE G7 LES13
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 54.0° / 77.0°
 Efficiency 80 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

XICATO

LED XOB 14.5 mm
 Ordering code CP18764_YASMEEN-70-WW-C2
 FWHM / FWTM 56.0° / 80.0°
 Efficiency 79 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

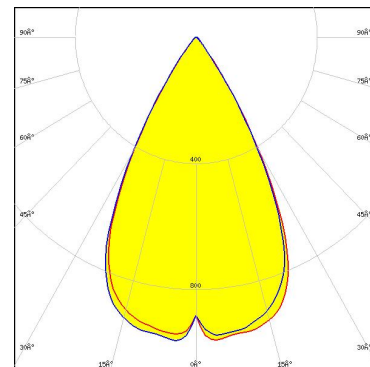
OPTICAL RESULTS (SIMULATED):

XICATO

LED	XOB 6 mm
Ordering code	CP18764_YASMEEN-70-WW-C2
FWHM / FWTM	58.0° / 76.0°
Efficiency	81 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 634b Hekla

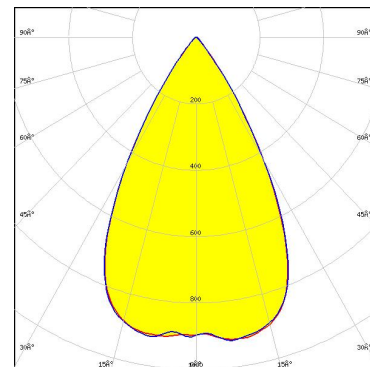
Light distribution files



XICATO

LED	XOB 9.8 mm
Ordering code	CP18764_YASMEEN-70-WW-C2
FWHM / FWTM	58.0° / 78.0°
Efficiency	82 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	F17435_HEKLA-G2-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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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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