

BROOKE-G2-W

~50° wide beam compatible with LEDiL HEKLA.

SPECIFICATION:

Dimensions	Ø 45.0
Height	18.9 mm
Fastening	socket
ROHS compliant	yes ⓘ

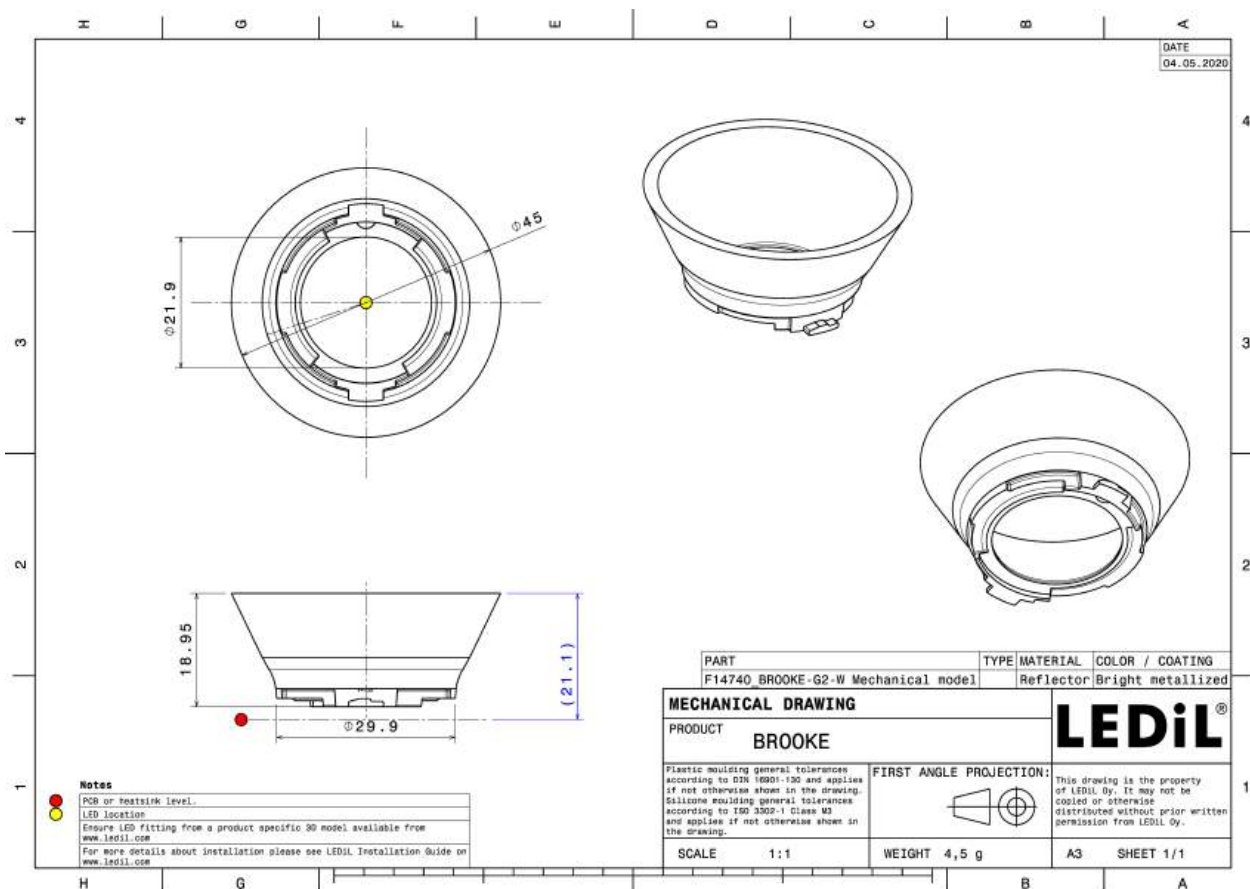
MATERIALS:

Component	Type	Material	Colour	Finish	Coating
BROOKE-G2-W	Reflector	PC	metal		HMDS



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14740_BROOKE-G2-W » Box size: 480 x 280 x 300 mm	720	45	45	5.2

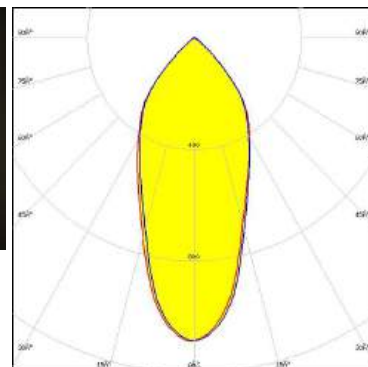


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



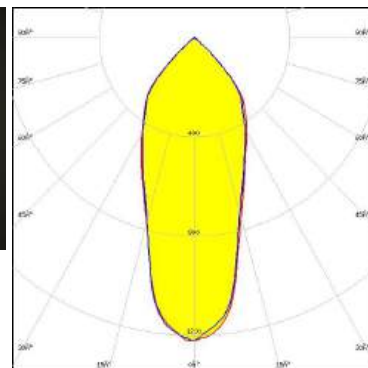
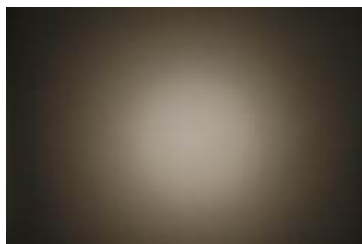
LED V10 Gen7
 FWHM / FWTM 44.0° / 94.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files



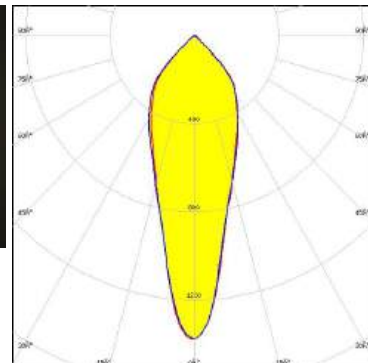
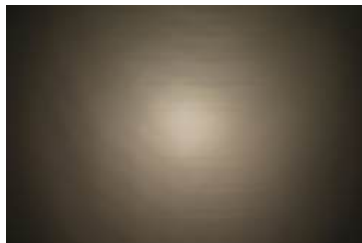
LED V10 Gen7
 FWHM / FWTM 40.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



LED V4 HD Gen 7
 FWHM / FWTM 30.0° / 92.0°
 Efficiency 89 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A
 C14658_BARBARA-RZ-LENS

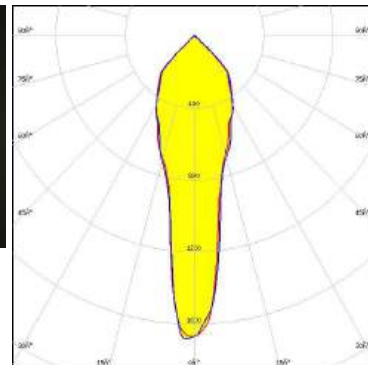


Light distribution files

OPTICAL RESULTS (MEASURED):



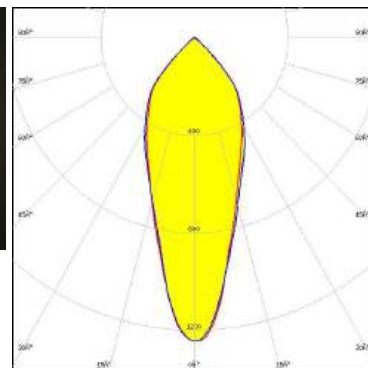
LED V4 HD Gen 7
 FWHM / FWTM 21.0° / 92.0°
 Efficiency 94 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



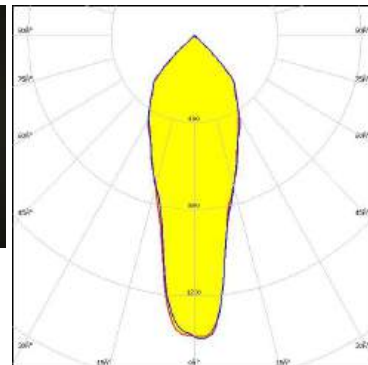
LED V6 HD Gen 7
 FWHM / FWTM 36.0° / 93.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files



LED V6 HD Gen 7
 FWHM / FWTM 32.0° / 93.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

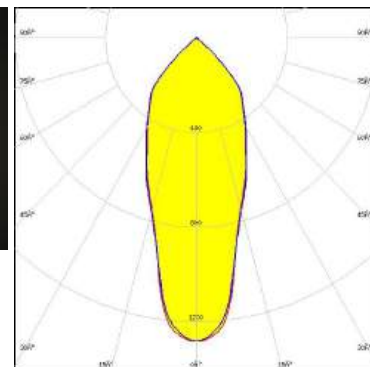


Light distribution files

OPTICAL RESULTS (MEASURED):



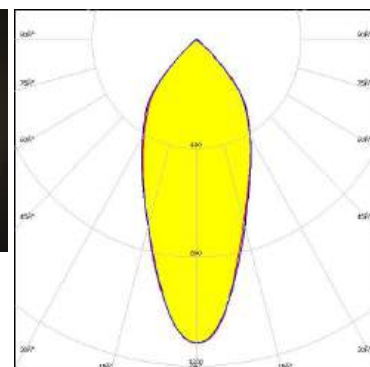
LED V8 Gen 8-9
 FWHM / FWTM 40.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



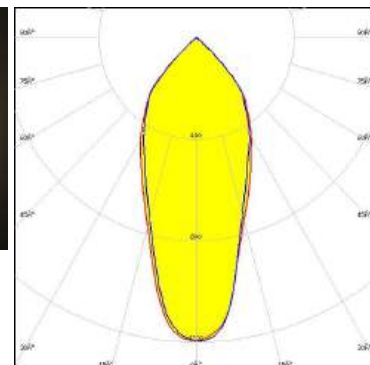
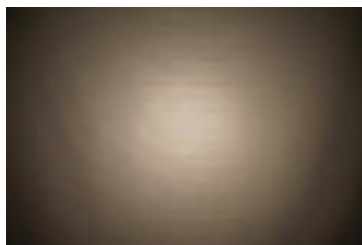
LED V9 HD Gen7
 FWHM / FWTM 43.0° / 93.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



Light distribution files



LED V9 HD Gen7
 FWHM / FWTM 42.0° / 93.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

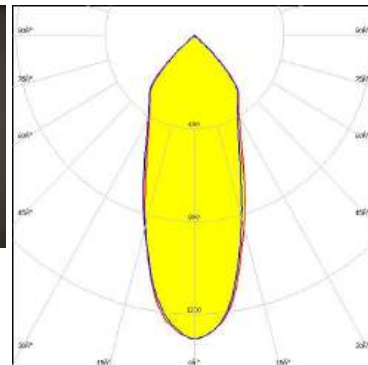
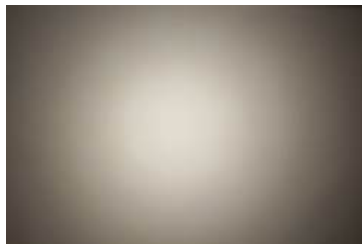


Light distribution files

OPTICAL RESULTS (MEASURED):



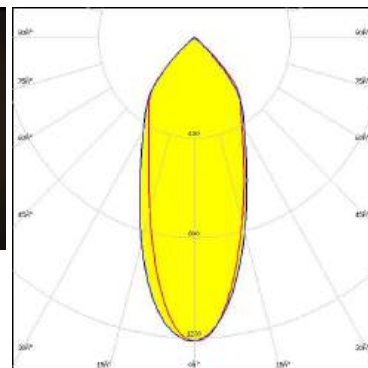
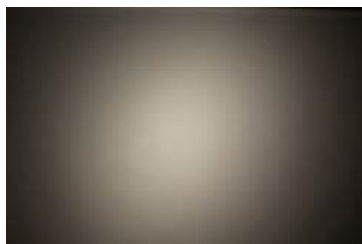
LED VERO10
 FWHM / FWTM 39.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15616_HEKLA-SOCKET-F



Light distribution files



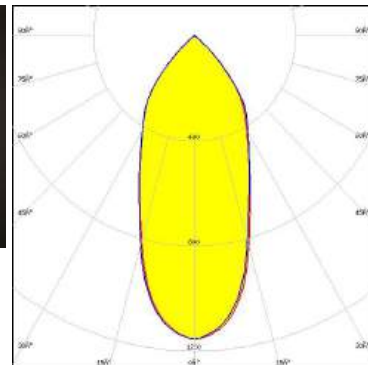
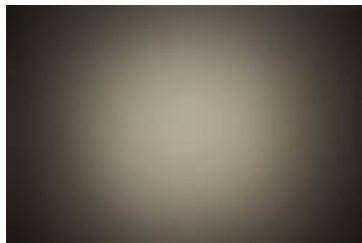
LED VERO10
 FWHM / FWTM 41.0° / 94.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15616_HEKLA-SOCKET-F
 C14658_BARBARA-RZ-LENS



Light distribution files



LED VERO13
 FWHM / FWTM 44.0° / 92.0°
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

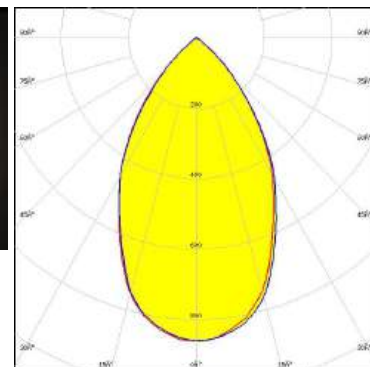


Light distribution files

OPTICAL RESULTS (MEASURED):



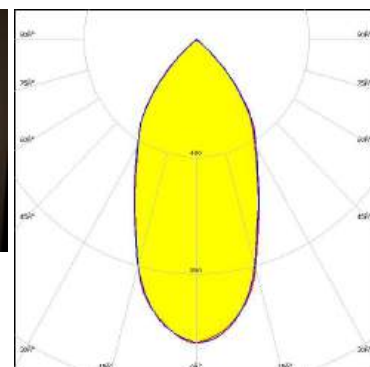
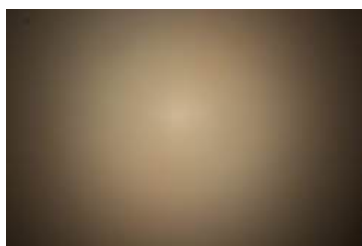
LED VERO18
 FWHM / FWTM 62.0° / 97.0°
 Efficiency 89 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



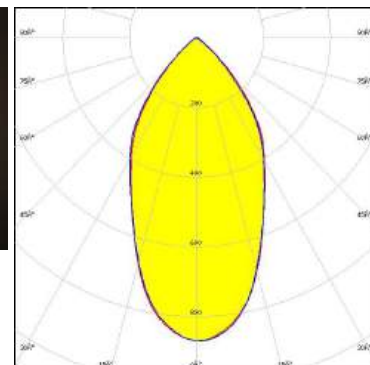
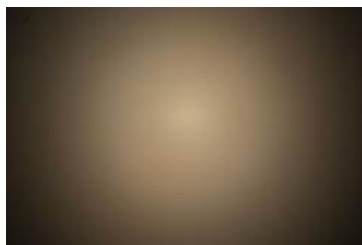
LED Vesta DTW 13mm (21W)
 FWHM / FWTM 50.0° / 94.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



Light distribution files



LED Vesta DTW 13mm (21W)
 FWHM / FWTM 55.0° / 96.0°
 Efficiency 83 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 491 Typ L8

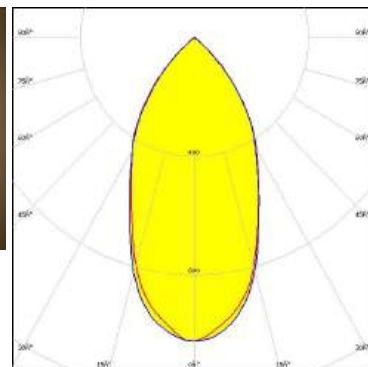
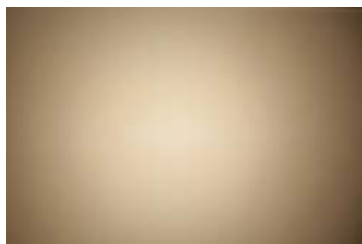


Light distribution files

OPTICAL RESULTS (MEASURED):



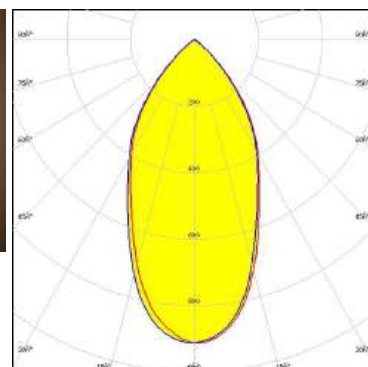
LED Vesta DTW 15mm (33W)
 FWHM / FWTM 52.0° / 93.0°
 Efficiency 89 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



Light distribution files



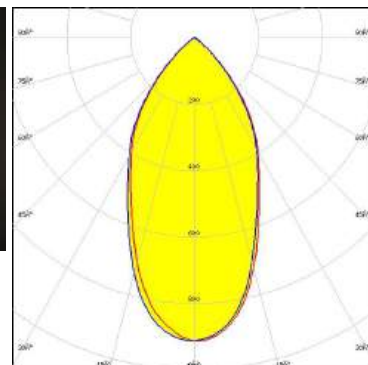
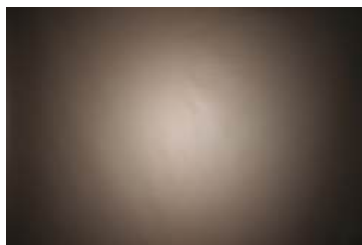
LED Vesta DTW 15mm (33W)
 FWHM / FWTM 53.0° / 95.0°
 Efficiency 83 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 491 Typ L8



Light distribution files



LED Vesta DTW 9mm (4W/6W/12W)
 FWHM / FWTM 41.0° / 92.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
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 C14658_BARBARA-RZ-LENS
 Bender Wirth: 490 Typ L8

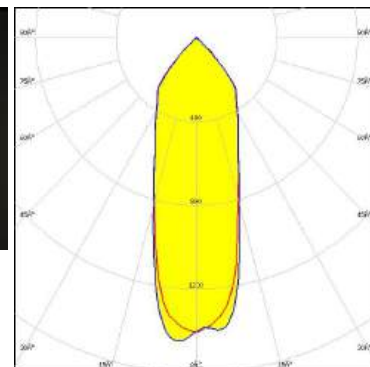


Light distribution files

OPTICAL RESULTS (MEASURED):



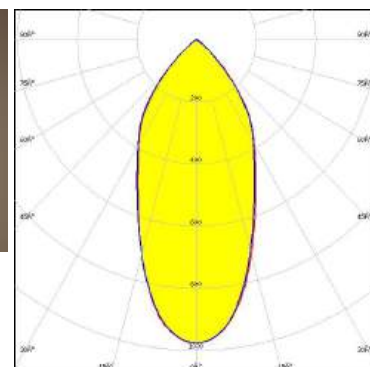
LED Vesta DTW 9mm (4W/6W/12W)
 FWHM / FWTM 34.0° / 89.0°
 Efficiency 90 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



Light distribution files



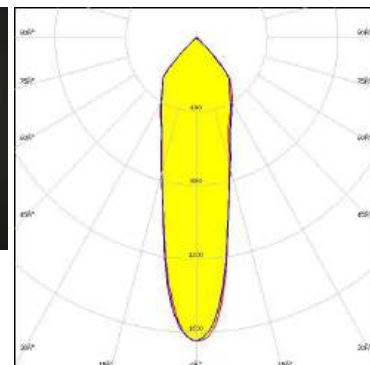
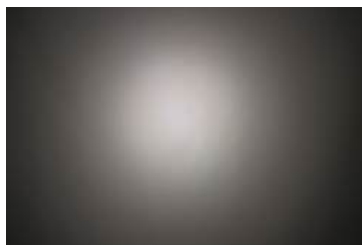
LED Vesta TW 13mm (25W) CSP
 FWHM / FWTM 48.0° / 94.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 492 Typ L8



Light distribution files



LED Vesta TW 6mm DP
 FWHM / FWTM 27.0° / 89.0°
 Efficiency 89 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8

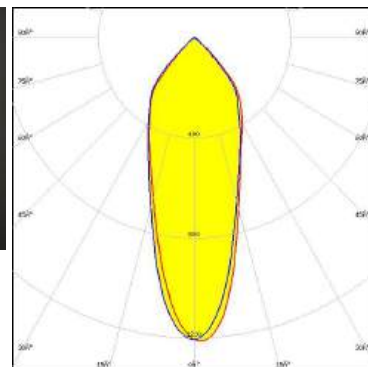
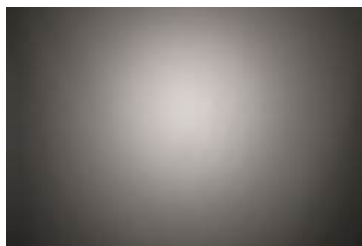


Light distribution files

OPTICAL RESULTS (MEASURED):



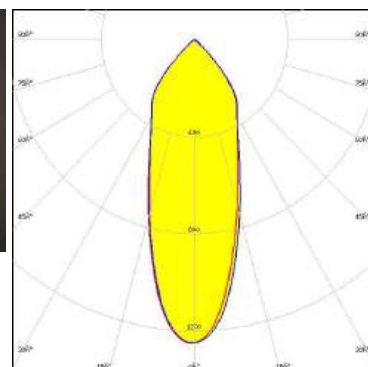
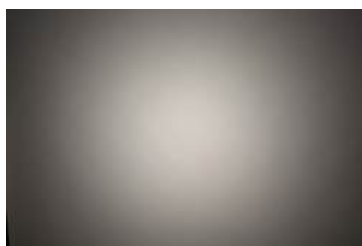
LED Vesta TW 6mm DP
 FWHM / FWTM 36.0° / 92.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 504 Typ L8



Light distribution files



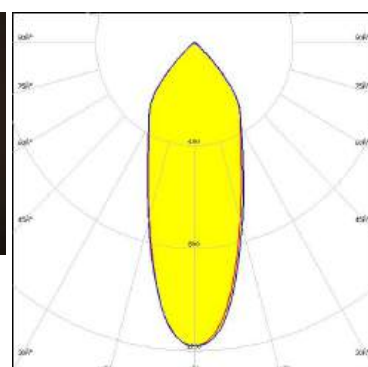
LED Vesta TW 9mm (12W) CSP
 FWHM / FWTM 36.0° / 90.0°
 Efficiency 84 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 489 Typ L8



Light distribution files

CITIZEN

LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 38.0° / 91.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 487 Typ L8

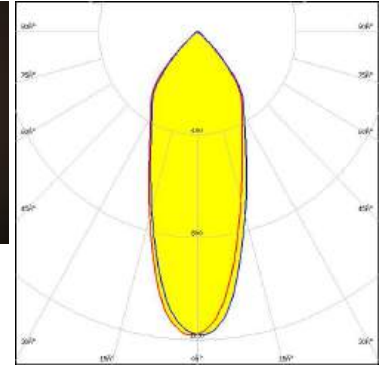


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

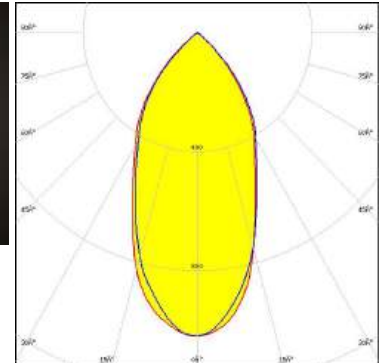
LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 38.0° / 91.0°
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 487 Typ L8



Light distribution files

CITIZEN

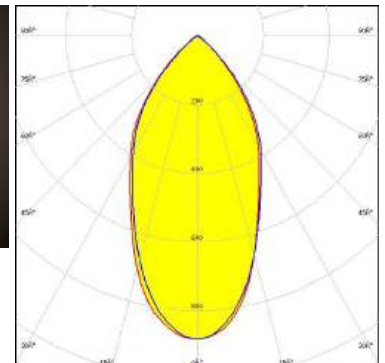
LED CLC030 Series (Dim-To-Warm)
 FWHM / FWTM 49.0° / 94.0°
 Efficiency 87 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files

CITIZEN

LED CLC030 Series (Dim-To-Warm)
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 81 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 436 Typ L8

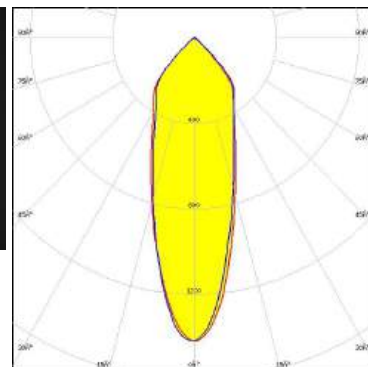
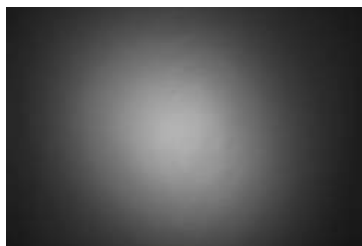


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

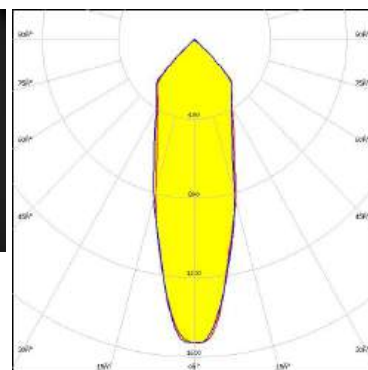
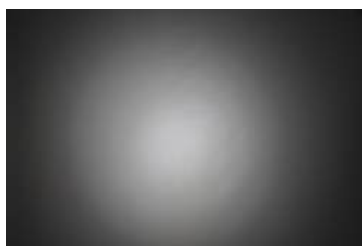
LED CLU700/701/702/703
 FWHM / FWTM 33.0° / 91.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files

CITIZEN

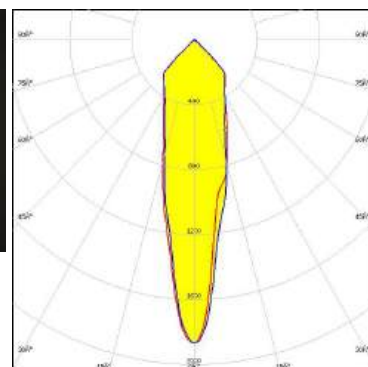
LED CLU700/701/702/703
 FWHM / FWTM 32.0° / 93.0°
 Efficiency 94 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

LED CLU7A2/7A3
 FWHM / FWTM 24.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

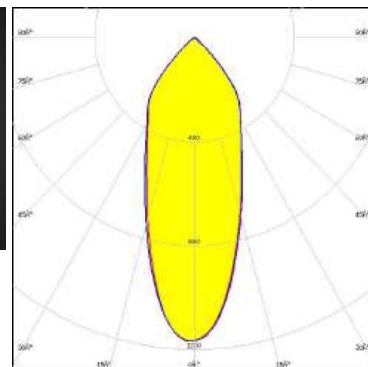
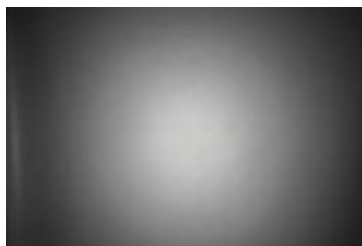


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

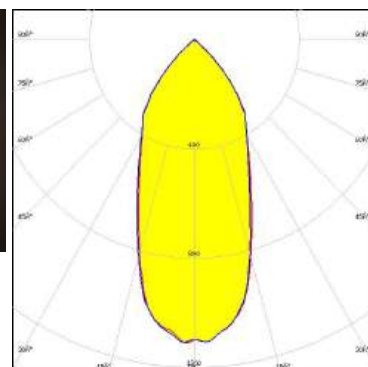
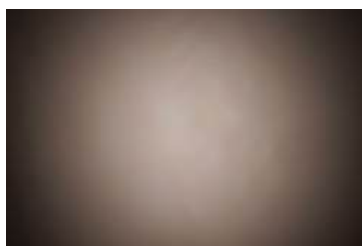
LED LCN-C01B (Tunable White)
 FWHM / FWTM 38.0° / 92.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 481 Typ L8



Light distribution files

CITIZEN

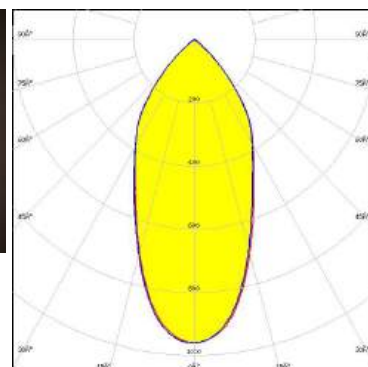
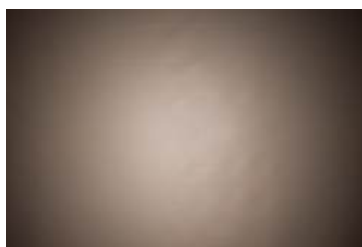
LED LCN-C02B (Tunable White)
 FWHM / FWTM 45.0° / 92.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files

CITIZEN

LED LCN-C02B (Tunable White)
 FWHM / FWTM 48.0° / 95.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 481 Typ L8

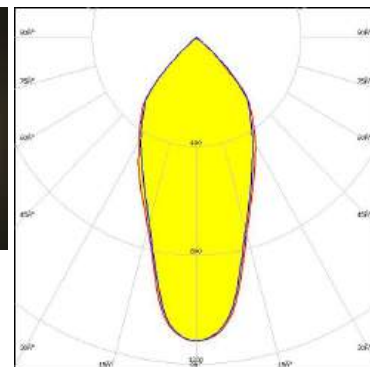


Light distribution files

OPTICAL RESULTS (MEASURED):



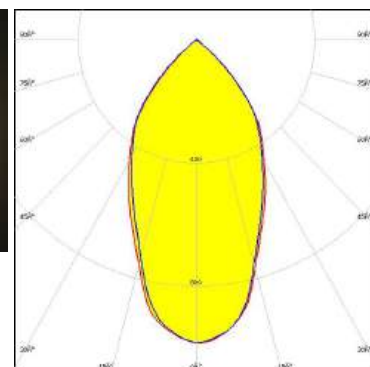
LED CMA1516
 FWHM / FWTM 45.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15256_HEKLA-SOCKET-D



Light distribution files



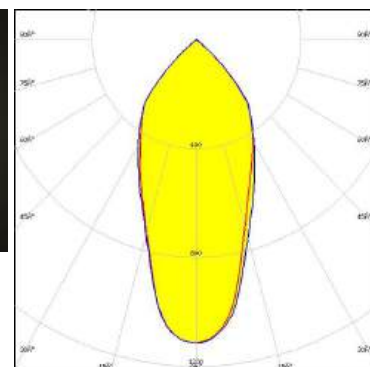
LED CMA1825
 FWHM / FWTM 55.0° / 97.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED CMT14xx
 FWHM / FWTM 45.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

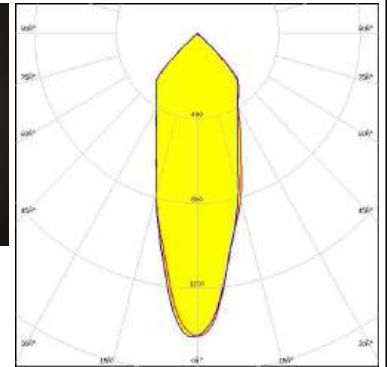


Light distribution files

OPTICAL RESULTS (MEASURED):



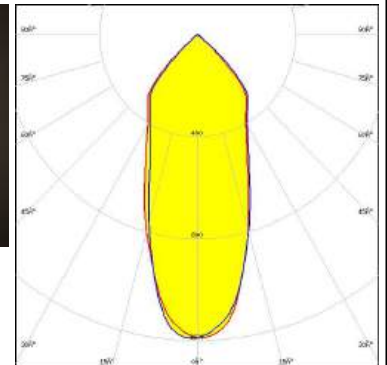
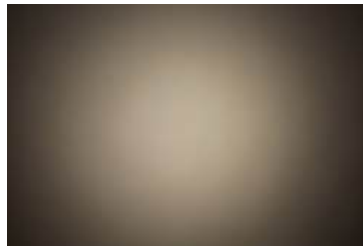
LED CXA/B 13xx
FWHM / FWTM 34.0° / 94.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15956_HEKLA-SOCKET-J



Light distribution files



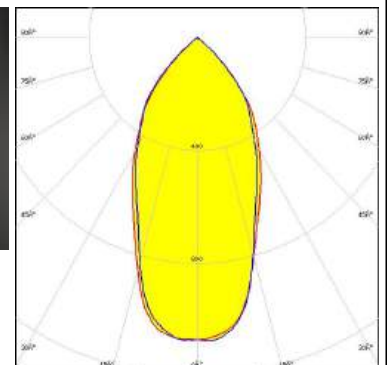
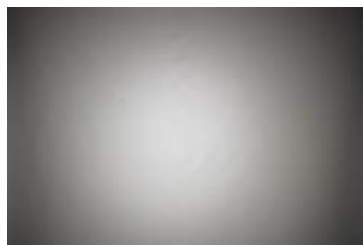
LED CXA/B 15xx
FWHM / FWTM 41.0° / 95.0°
Efficiency 93 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D



Light distribution files



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 51.0° / 95.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D

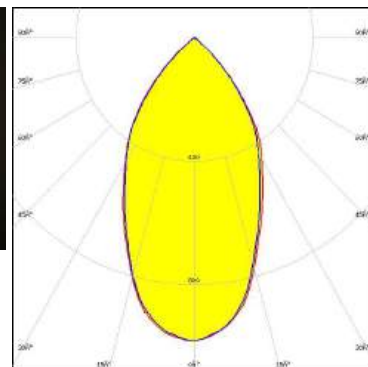
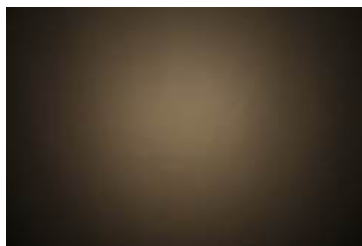


Light distribution files

OPTICAL RESULTS (MEASURED):



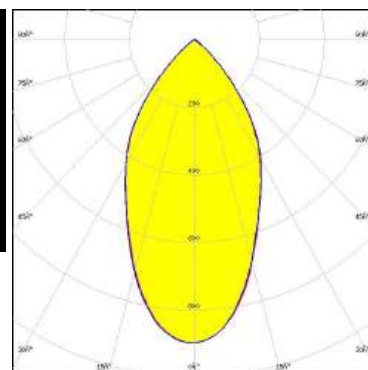
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 55.0° / 95.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



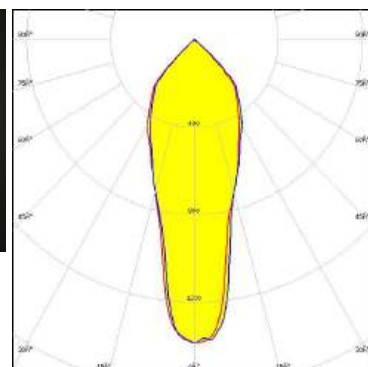
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 55.0° / 95.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CoB 1202HD
 FWHM / FWTM 32.0° / 93.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15848_HEKLA-SOCKET-G

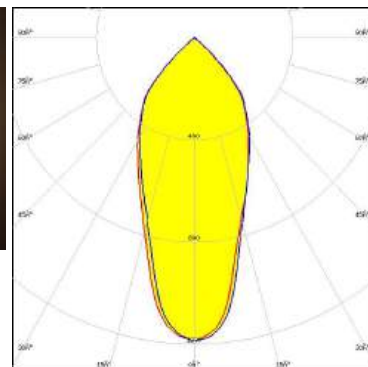


Light distribution files

OPTICAL RESULTS (MEASURED):



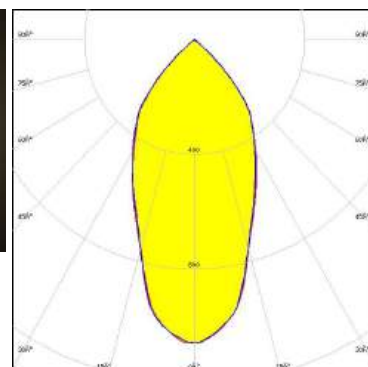
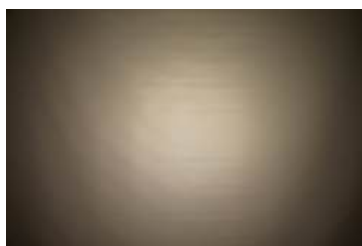
LED LUXEON CoB 1204HD
 FWHM / FWTM 44.0° / 94.0°
 Efficiency 95 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



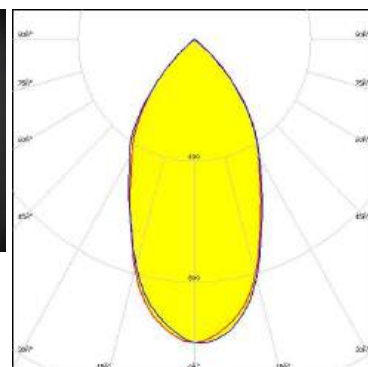
LED LUXEON CoB 1205HD
 FWHM / FWTM 50.0° / 95.0°
 Efficiency 93 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1208
 FWHM / FWTM 54.0° / 95.0°
 Efficiency 91 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 632a Hekla XL

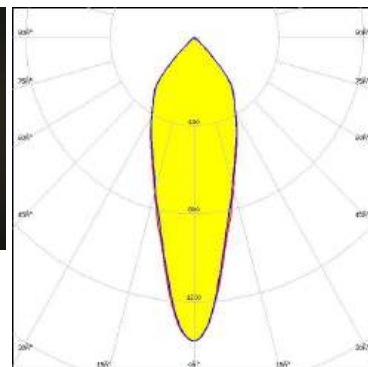


Light distribution files

OPTICAL RESULTS (MEASURED):



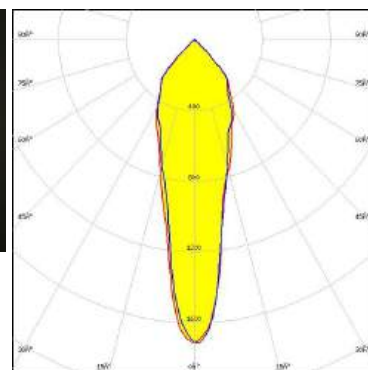
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 32.0° / 90.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla



Light distribution files



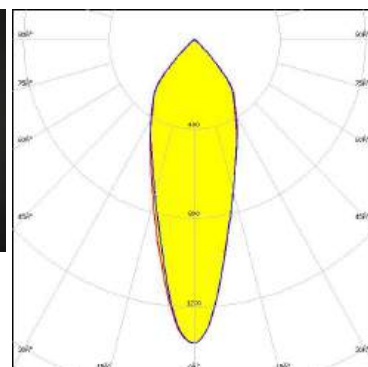
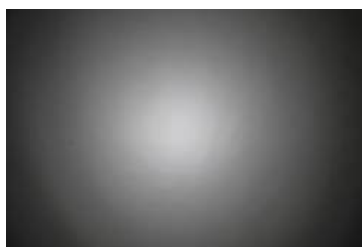
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 25.0° / 90.0°
 Efficiency 92 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 32.0° / 90.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla

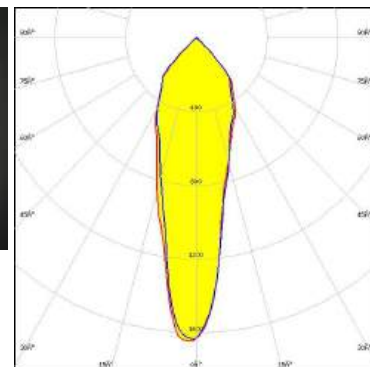


Light distribution files

OPTICAL RESULTS (MEASURED):



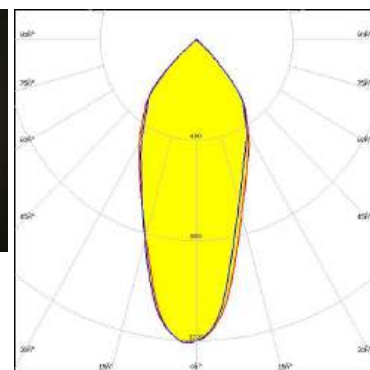
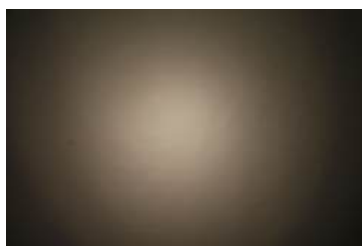
LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 27.0° / 90.0°
 Efficiency 92 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



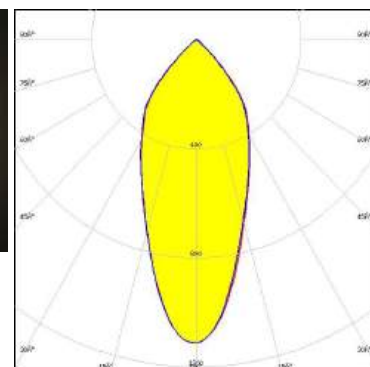
LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 42.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 43.0° / 92.0°
 Efficiency 86 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla

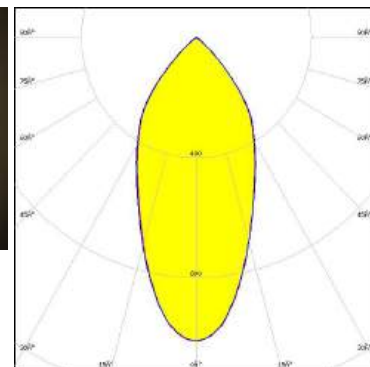


Light distribution files

OPTICAL RESULTS (MEASURED):



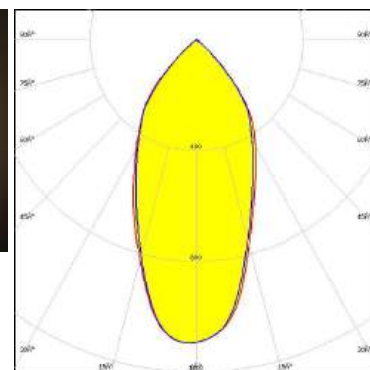
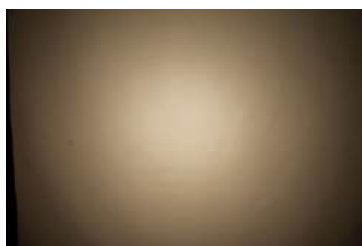
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 48.0° / 94.0°
 Efficiency 85 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 637a Hekla



Light distribution files



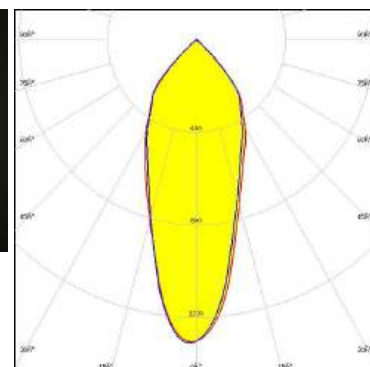
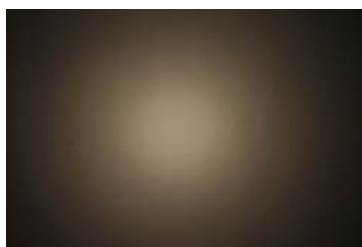
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 50.0° / 94.0°
 Efficiency 92 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 37.0° / 91.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 641a Hekla

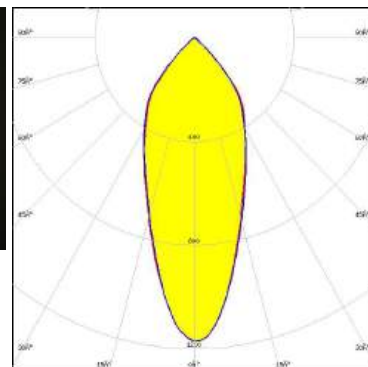


Light distribution files

OPTICAL RESULTS (MEASURED):



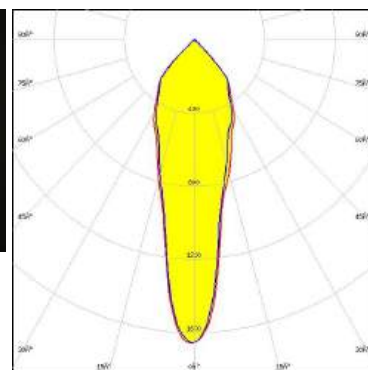
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 40.0° / 91.0°
 Efficiency 86 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 641a Hekla



Light distribution files



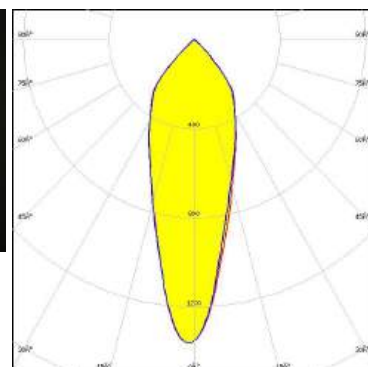
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 25.0° / 89.0°
 Efficiency 92 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 32.0° / 89.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 634c Hekla

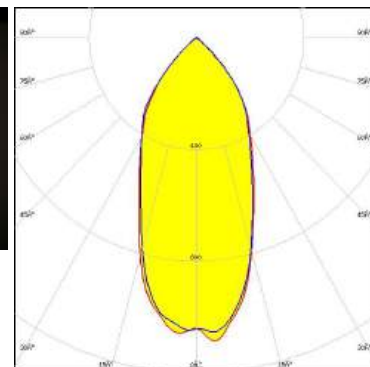


Light distribution files

OPTICAL RESULTS (MEASURED):



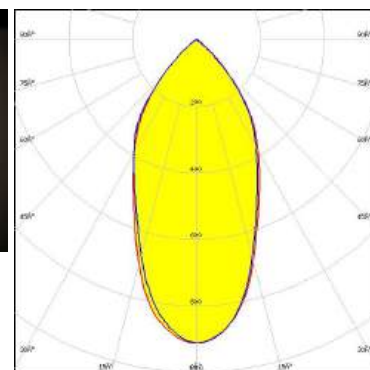
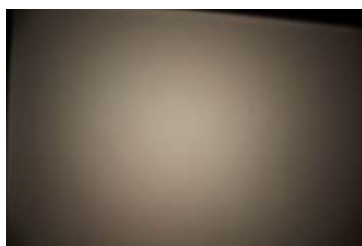
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 46.0° / 93.0°
 Efficiency 86 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



Light distribution files



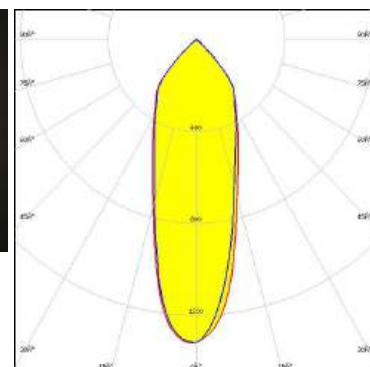
LED CDM-14 (Dim-To-Warm)
 FWHM / FWTM 51.0° / 95.0°
 Efficiency 81 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 491 Typ L8



Light distribution files



LED CDM-6 (Dim-To-Warm)
 FWHM / FWTM 33.0° / 91.0°
 Efficiency 85 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 490 Typ L8

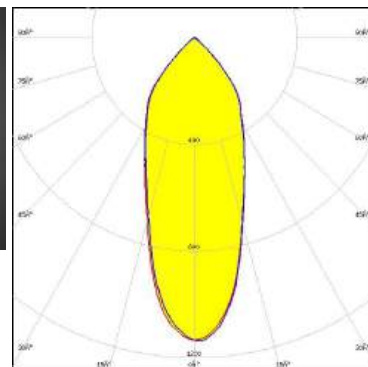


Light distribution files

OPTICAL RESULTS (MEASURED):



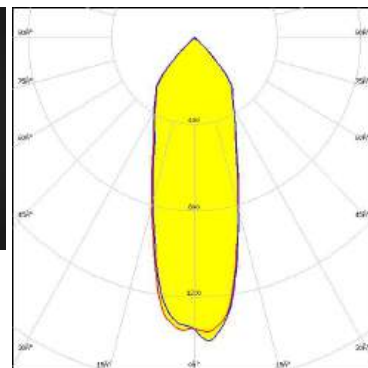
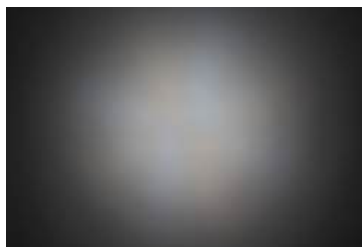
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 40.0° / 92.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 490 Typ L8



Light distribution files



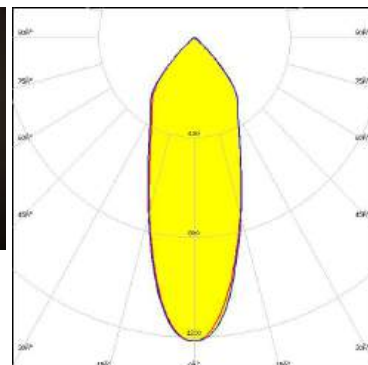
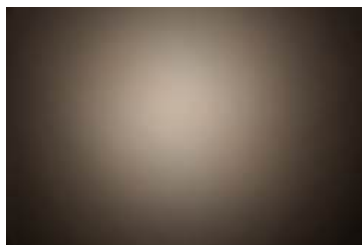
LED CDM-9 (Dim-To-Warm)
 FWHM / FWTM 35.0° / 90.0°
 Efficiency 88 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



Light distribution files



LED CTM-9 (Tunable White)
 FWHM / FWTM 37.0° / 91.0°
 Efficiency 84 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 495 Typ L8

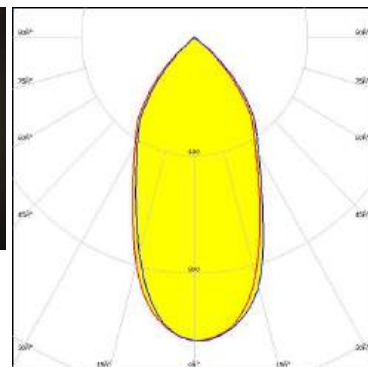
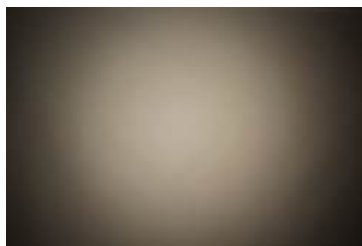


Light distribution files

OPTICAL RESULTS (MEASURED):



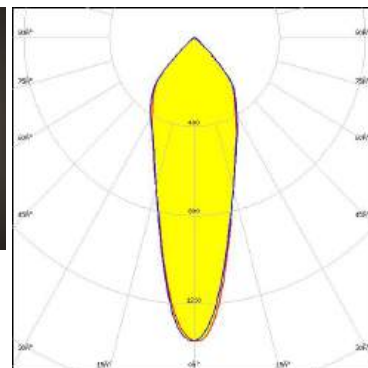
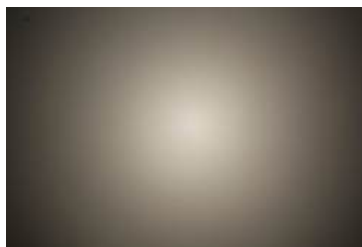
LED CxM-14 (19x19)
 FWHM / FWTM 51.0° / 96.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



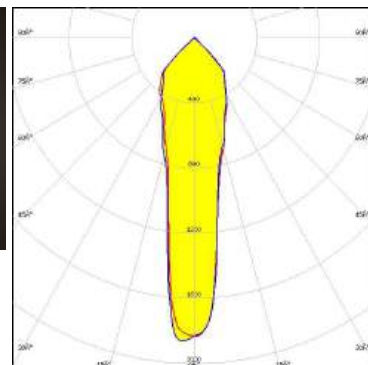
LED CXM-4
 FWHM / FWTM 31.0° / 92.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files



LED CXM-4
 FWHM / FWTM 20.0° / 91.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

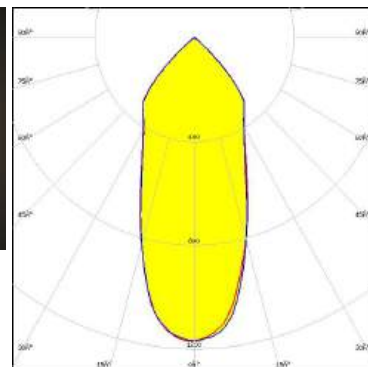
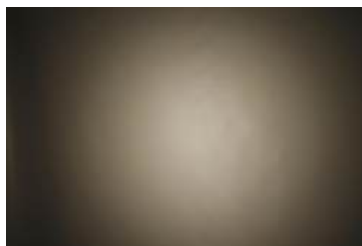


Light distribution files

OPTICAL RESULTS (MEASURED):



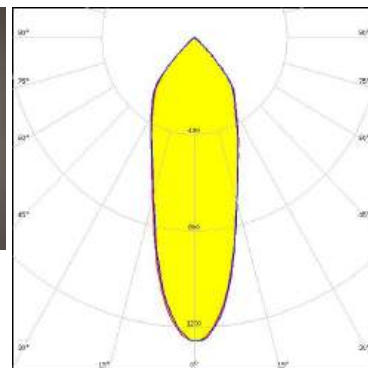
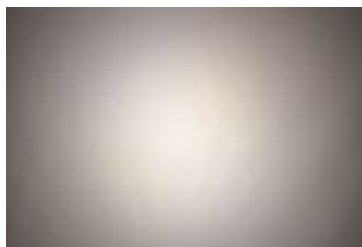
LED CxM-9 (13.5x13.5)
 FWHM / FWTM 43.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



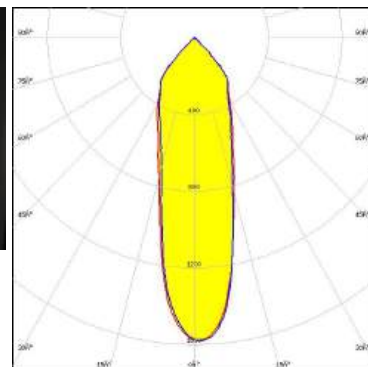
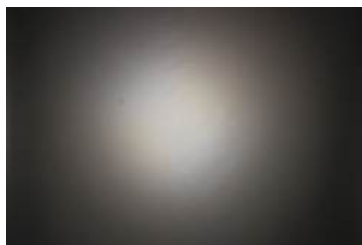
LED NJCWL024Z-V1MT: COB L-Type Tunable White
 FWHM / FWTM 34.0° / 90.0°
 Efficiency 81 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 497 Typ L8



Light distribution files



LED NJCWL024Z-V1MT: COB L-Type Tunable White
 FWHM / FWTM 29.0° / 88.0°
 Efficiency 87 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 497 Typ L8

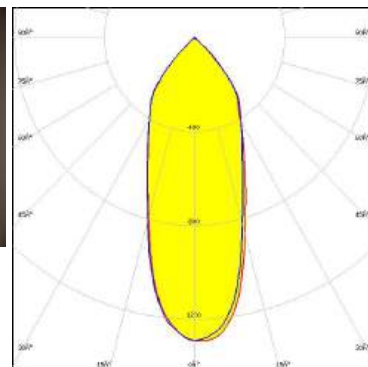
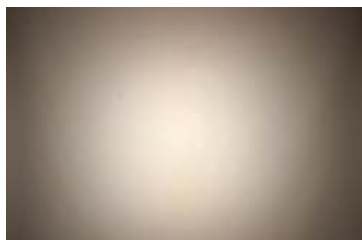


Light distribution files

OPTICAL RESULTS (MEASURED):



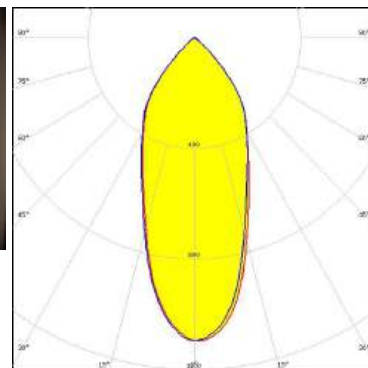
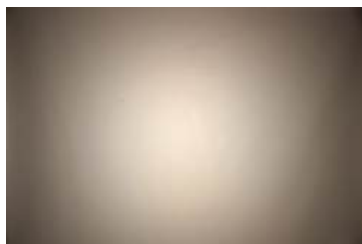
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 39.0° / 90.0°
 Efficiency 90 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 498 Typ L8



Light distribution files



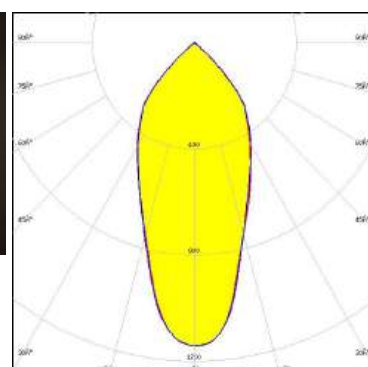
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 43.0° / 92.0°
 Efficiency 84 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 498 Typ L8



Light distribution files



LED Fortimo SLM L09 CoB
 FWHM / FWTM 45.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

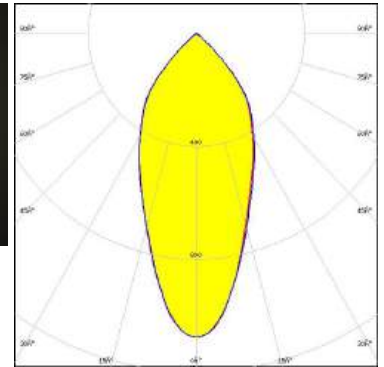


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

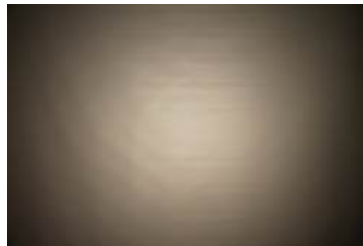
LED Fortimo SLM L09 CoB
 FWHM / FWTM 45.0° / 94.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H
 C14658_BARBARA-RZ-LENS



Light distribution files

PHILIPS

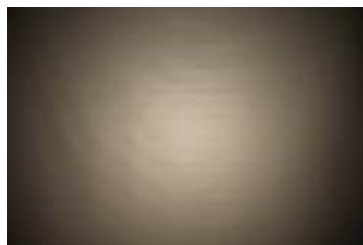
LED Fortimo SLM L13 CoB
 FWHM / FWTM 51.0° / 93.0°
 Efficiency 90 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



Light distribution files

PHILIPS

LED Fortimo SLM L13 CoB
 FWHM / FWTM 53.0° / 95.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8

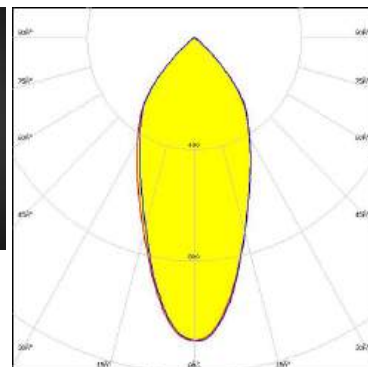


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 44.0° / 94.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



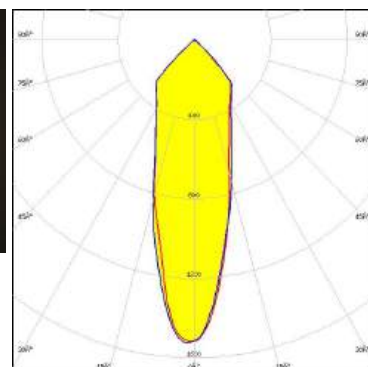
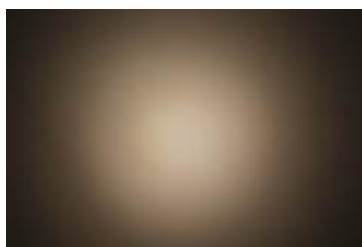
Light distribution files

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 43.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

SAMSUNG

LED LC010C G2
 FWHM / FWTM 31.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

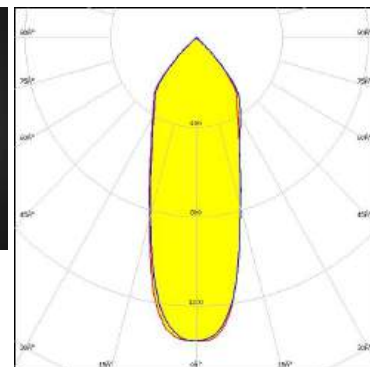
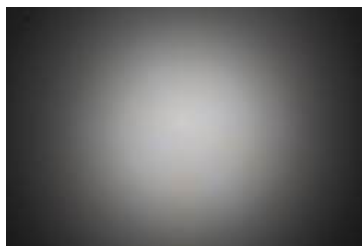


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

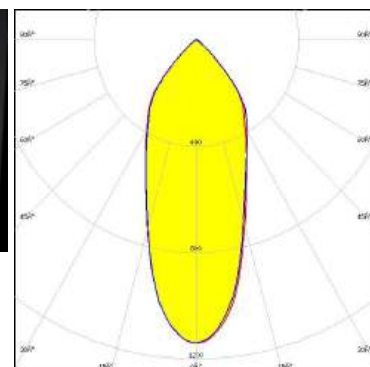
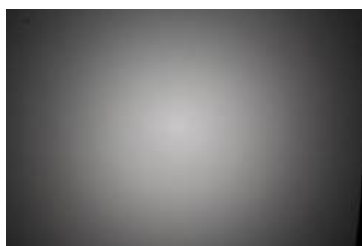
LED LC010T (Tunable White)
 FWHM / FWTM 37.0° / 90.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



Light distribution files

SAMSUNG

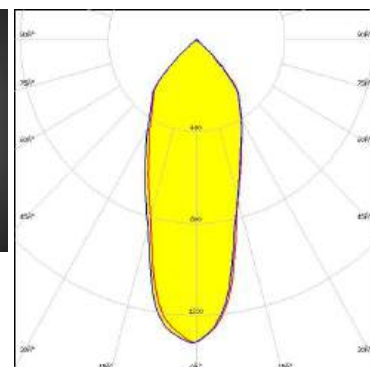
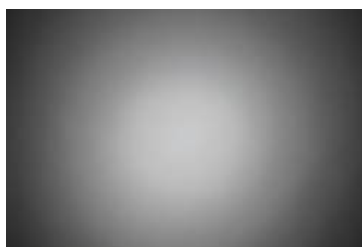
LED LC010T (Tunable White)
 FWHM / FWTM 40.0° / 92.0°
 Efficiency 85 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 501 Typ L8



Light distribution files

SAMSUNG

LED LC020C G2
 FWHM / FWTM 38.0° / 93.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

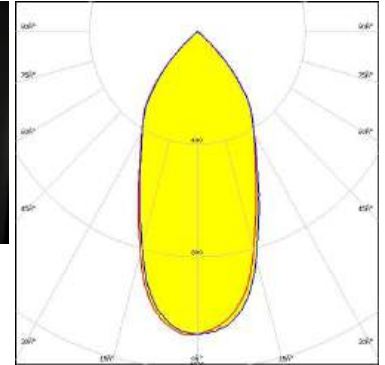


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

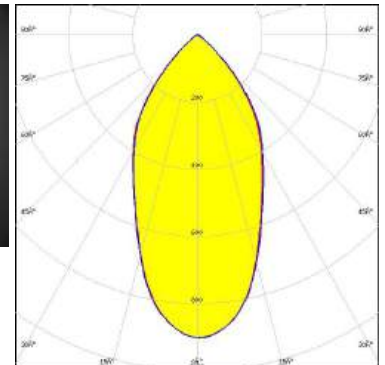
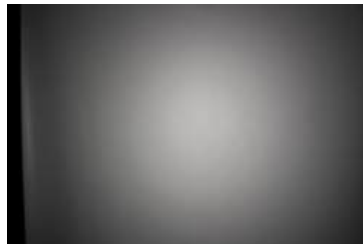
LED LC020T (Tunable white)
 FWHM / FWTM 48.0° / 93.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



Light distribution files

SAMSUNG

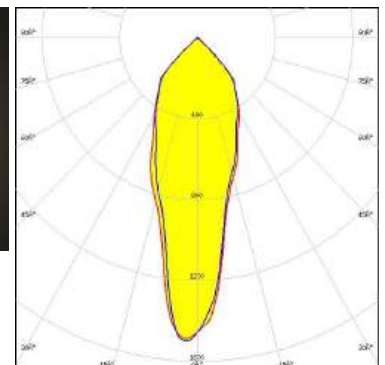
LED LC020T (Tunable white)
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 83 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 501 Typ L8



Light distribution files



LED MJT COB LES 6
 FWHM / FWTM 32.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

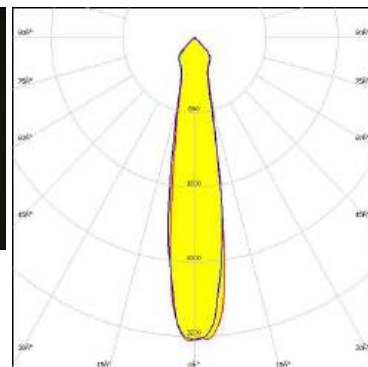


Light distribution files

OPTICAL RESULTS (MEASURED):



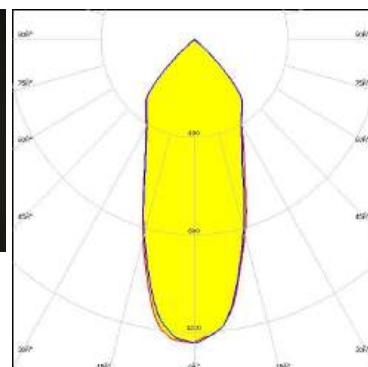
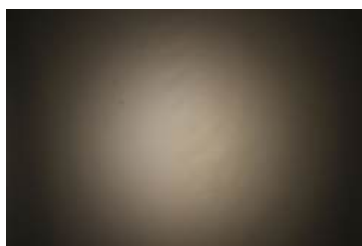
LED MJT COB LES 9.8
 FWHM / FWTM 20.0° / 59.0°
 Efficiency 92 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

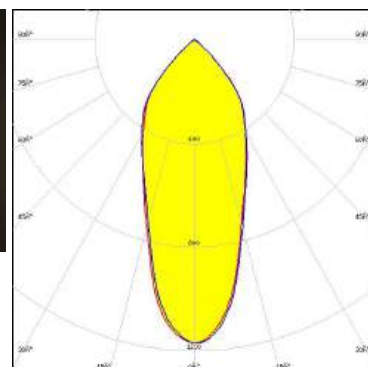
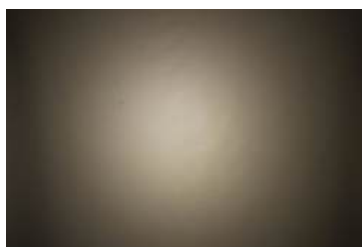
LED SLE G7 LES09
 FWHM / FWTM 40.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

LED SLE G7 LES09
 FWHM / FWTM 41.0° / 93.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS

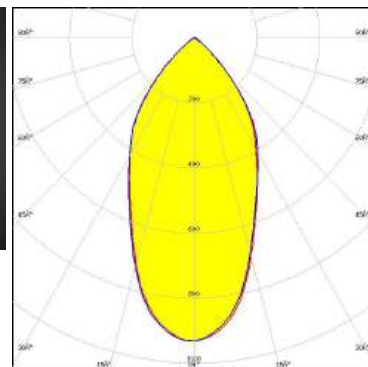


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

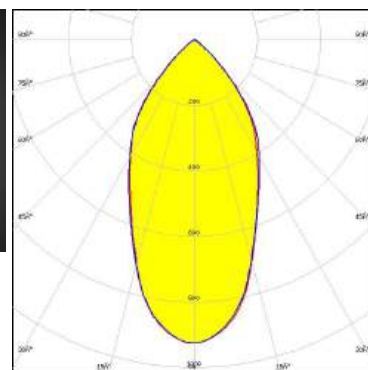
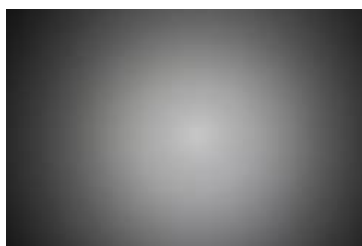
LED SLE G7 LES13
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



Light distribution files

TRIDONIC

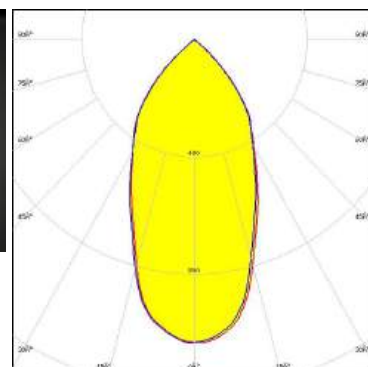
LED SLE G7 LES13
 FWHM / FWTM 53.0° / 96.0°
 Efficiency 86 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I
 C14658_BARBARA-RZ-LENS



Light distribution files

TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 51.0° / 96.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

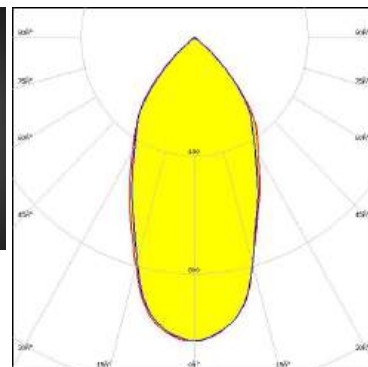


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

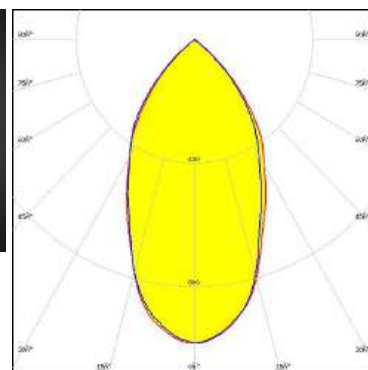
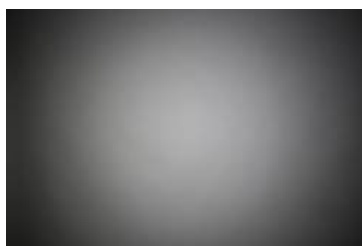
LED SLE G7 LES13
 FWHM / FWTM 52.0° / 96.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

TRIDONIC

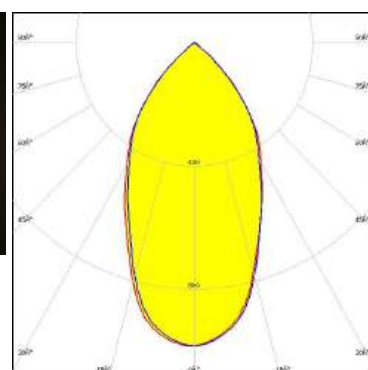
LED SLE G7 LES15
 FWHM / FWTM 55.0° / 97.0°
 Efficiency 93 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

LED XOB 14.5 mm
 FWHM / FWTM 55.0° / 97.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

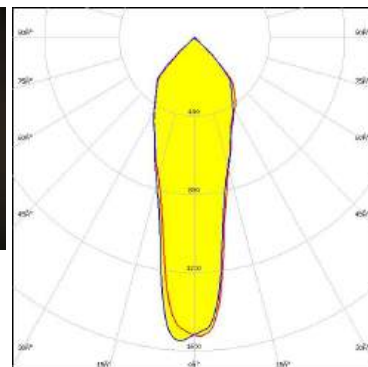


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

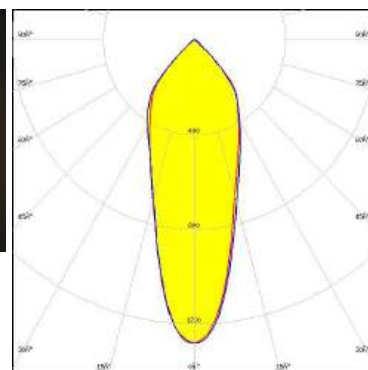
LED XOB 6 mm
 FWHM / FWTM 27.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

XICATO

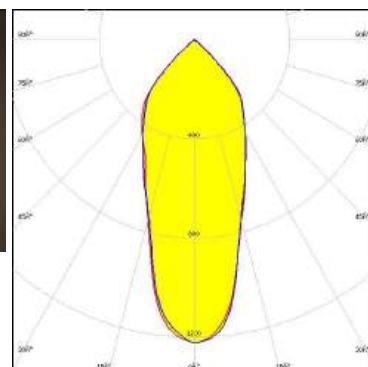
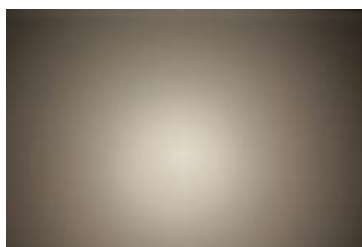
LED XOB 6 mm
 FWHM / FWTM 34.0° / 92.0°
 Efficiency 87 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files

XICATO

LED XOB 9.8 mm
 FWHM / FWTM 40.0° / 94.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

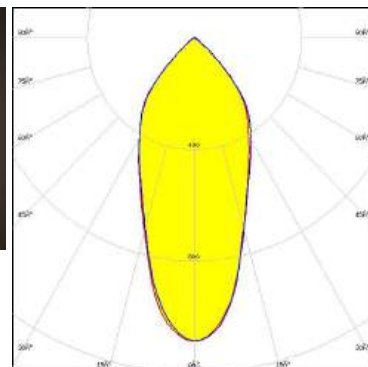


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

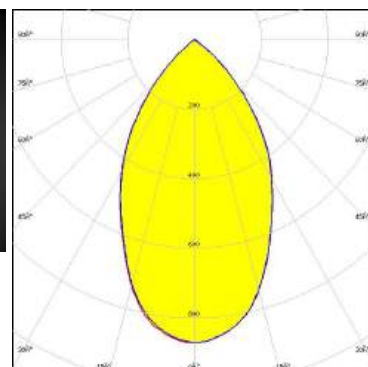
LED XOB 9.8 mm
 FWHM / FWTM 44.0° / 95.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C
 C14658_BARBARA-RZ-LENS



Light distribution files

XICATO

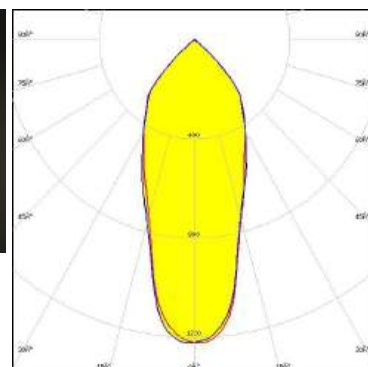
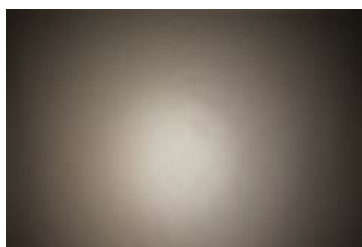
LED XTM - 19mm LES
 FWHM / FWTM 62.0° / 99.0°
 Efficiency 91 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15743_XTM-ADAPTER-50-B



Light distribution files

XICATO

LED XTM - 9mm LES
 FWHM / FWTM 41.0° / 95.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15743_XTM-ADAPTER-50-B

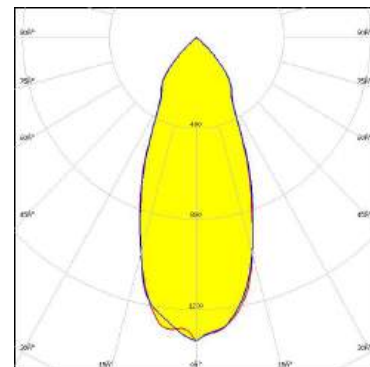


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED V13 Gen6
FWHM / FWTM 44.0° / 90.0°
Efficiency 91 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F14988_HEKLA-SOCKET-E



Light distribution files



LED V8 Gen6
FWHM / FWTM 42.5°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A

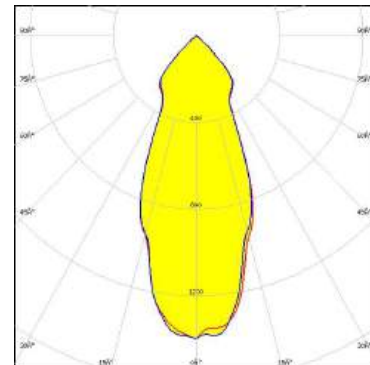


LED V8 Gen6
FWHM / FWTM 42.5°
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A

OPTICAL RESULTS (SIMULATED):



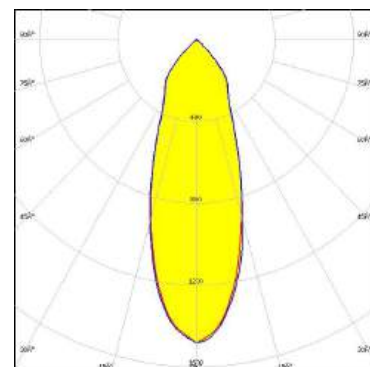
LED V8 Gen7
FWHM / FWTM 42.0° / 92.0°
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A



Light distribution files

CITIZEN

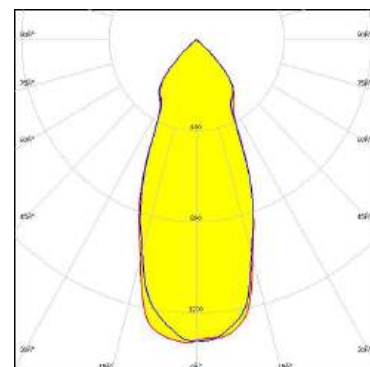
LED CLU02x (LES10)
FWHM / FWTM 36.0° / 88.0°
Efficiency 86 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C
C14658_BARBARA-RZ-LENS



Light distribution files

CITIZEN

LED CLU02x (LES10)
FWHM / FWTM 43.0° / 91.0°
Efficiency 92 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

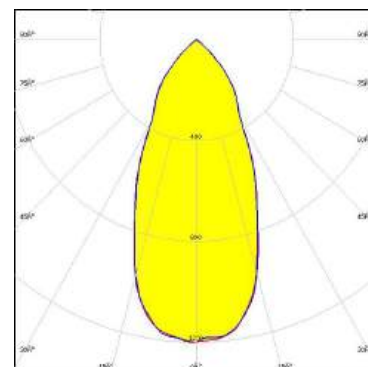
OPTICAL RESULTS (SIMULATED):

CITIZEN

LED CLU02x (LES10)
 FWHM / FWTM 45.0°
 Efficiency 0 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

CITIZEN

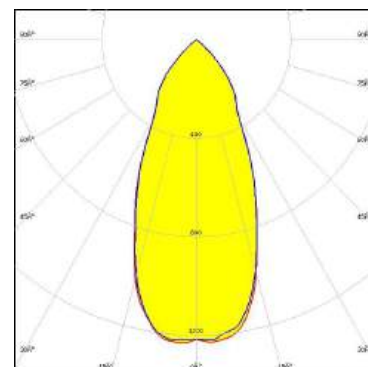
LED CLU03x
 FWHM / FWTM 47.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

CITIZEN

LED CLU03x
 FWHM / FWTM 47.0° / 92.0°
 Efficiency 92 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files

OPTICAL RESULTS (SIMULATED):



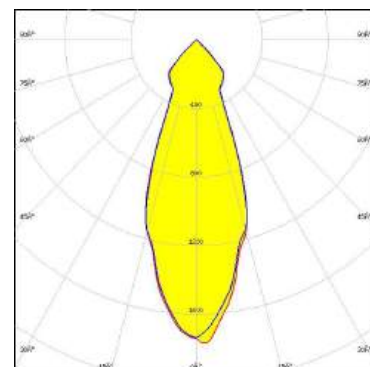
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 46.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 46.0°
 Efficiency 0 %
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



LED CxM-6 (13.5x13.5)
 FWHM / FWTM 38.0° / 88.0°
 Efficiency 93 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C

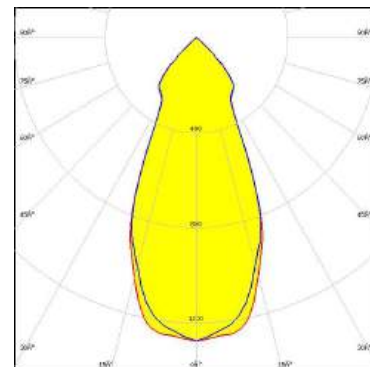


Light distribution files

OPTICAL RESULTS (SIMULATED):



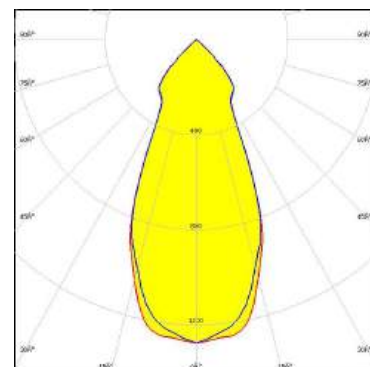
LED COB L-Type (LES 11)
 FWHM / FWTM 48.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



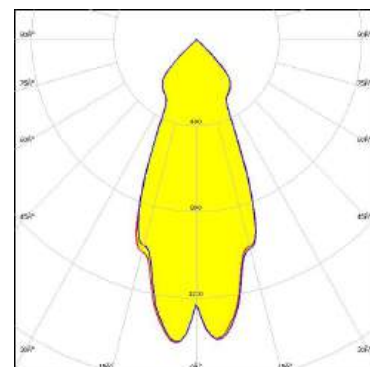
LED COB L-Type (LES 9)
 FWHM / FWTM 46.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



LED COB T-Type
 FWHM / FWTM 42.0° / 92.0°
 Efficiency 90 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15848_HEKLA-SOCKET-G

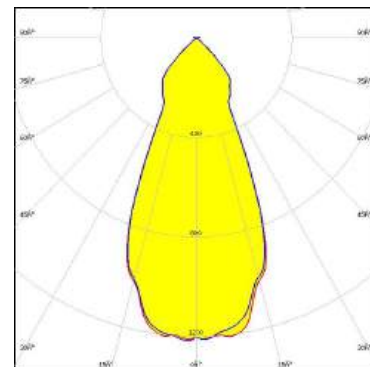


Light distribution files

OPTICAL RESULTS (SIMULATED):



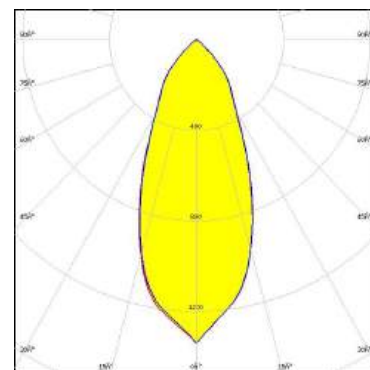
LED NFSWE11A
 FWHM / FWTM 46.0° / 91.0°
 Efficiency 86 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 30
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



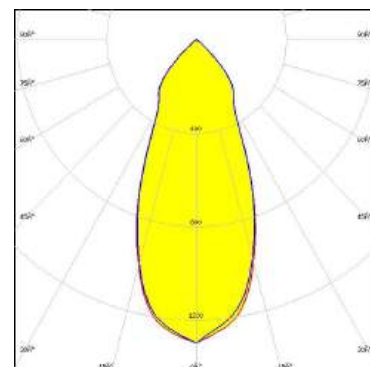
LED Soleriq S13 19x19
 FWHM / FWTM 43.8° / 90.5°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



LED Soleriq S9
 FWHM / FWTM 44.3° / 92.1°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

OPTICAL RESULTS (SIMULATED):

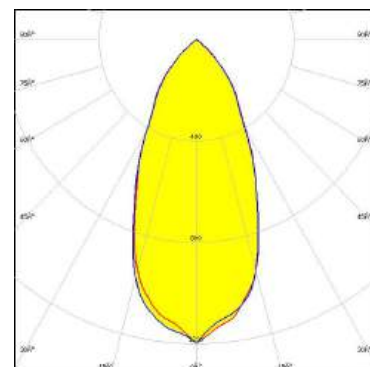
SAMSUNG

LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 49.5° / 92.4°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

Light distribution files



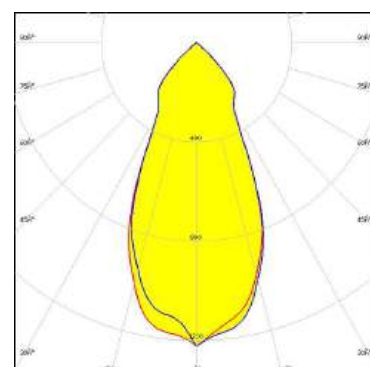
LED MJT COB LES 14.5
 FWHM / FWTM 48.0° / 92.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

LED XTM - 9mm LES
 FWHM / FWTM 48.0° / 93.0°
 Efficiency 93 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C15743_XTM-ADAPTER-50-B



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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