

WINNIE-WW-C

~65° wide beam with holder C compatible with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 50.0 mm
Height	15.7 mm
Fastening	socket
ROHS compliant	yes ⓘ



MATERIALS:

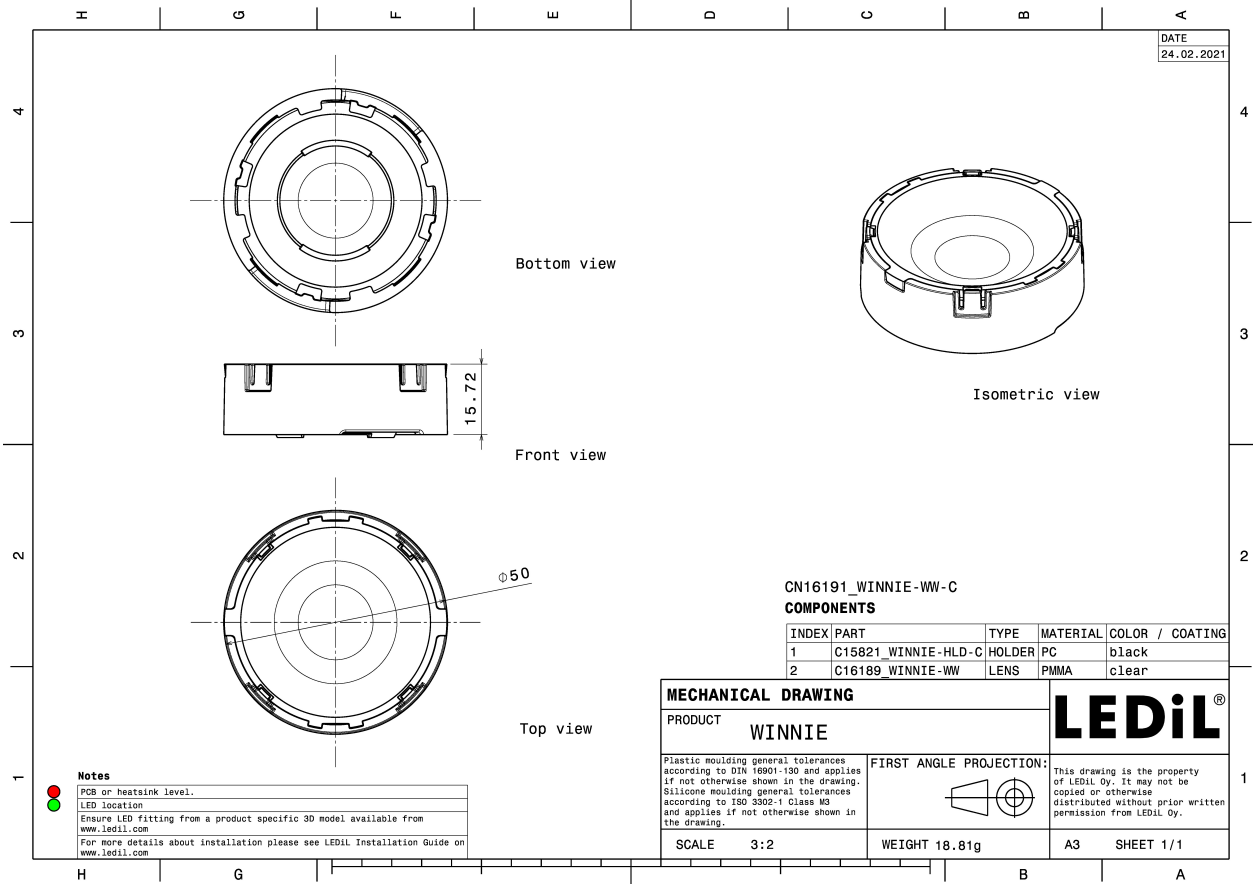
Component	Type	Material	Colour	Finish	Length (mm)
C16189_WINNIE-WW	Single lens	PMMA	clear		
C15821_WINNIE-HLD-C	Holder	PC	black		

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16189_WINNIE-WW	Single lens	364	84	28	5.6
» Box size: 476 x 273 x 292 mm					
C15821_WINNIE-HLD-C	Holder	420		28	4.1
» Box size: 400 x 300 x 300 mm					

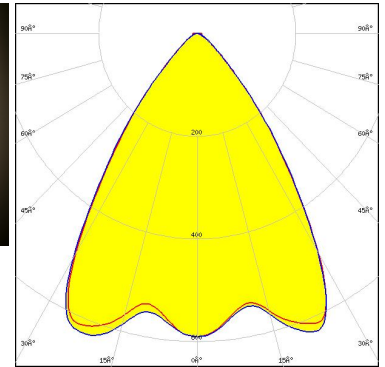


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

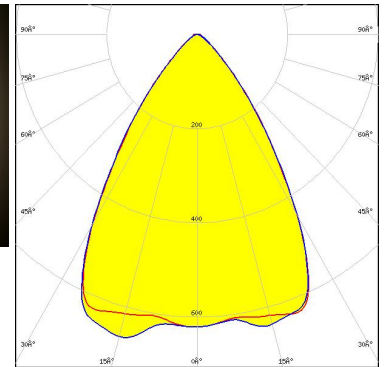
LED V4 HD Gen 7
 FWHM / FWTM 72.0° / 98.0°
 Efficiency 83 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files

bridgelux

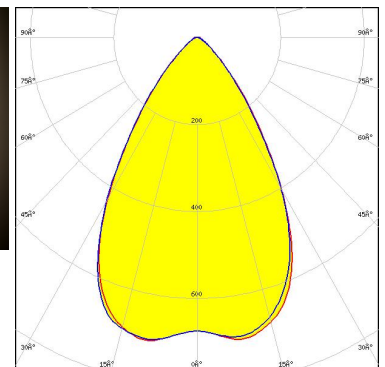
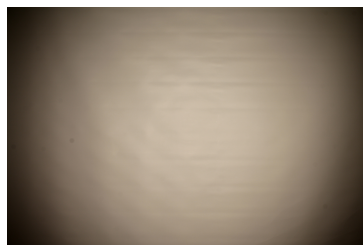
LED V6 HD Gen 7
 FWHM / FWTM 69.0° / 98.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

bridgelux

LED V9 HD Gen7
 FWHM / FWTM 65.0° / 97.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

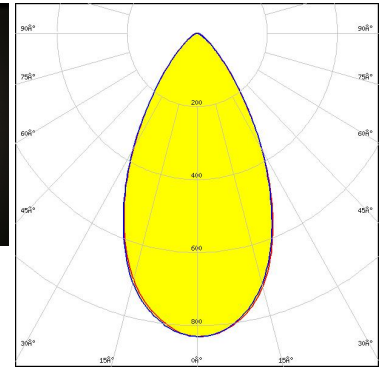
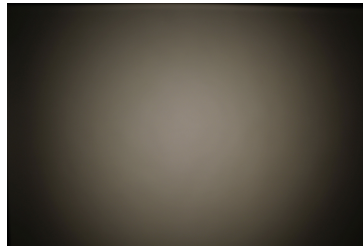


Light distribution files

OPTICAL RESULTS (MEASURED):



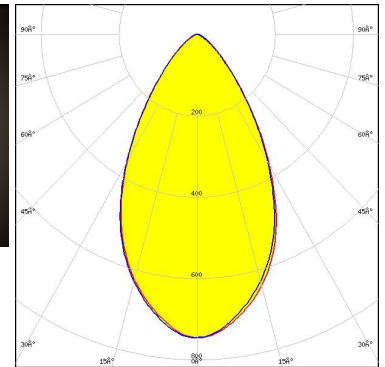
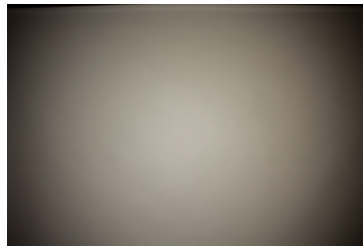
LED VERO13
FWHM / FWTM 56.0° / 94.0°
Efficiency 80 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



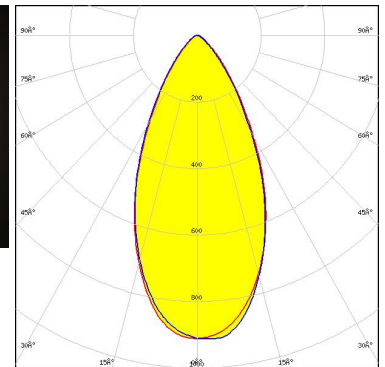
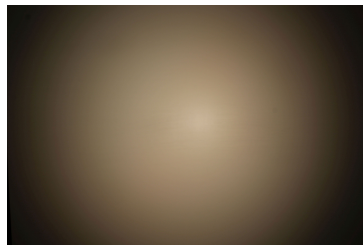
LED VERO18
FWHM / FWTM 59.0° / 100.0°
Efficiency 78 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED Vesta DTW 13mm (21W)
FWHM / FWTM 50.0° / 89.0°
Efficiency 76 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8

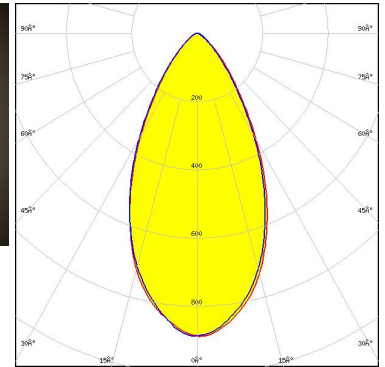
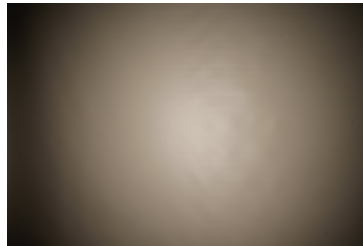


Light distribution files

OPTICAL RESULTS (MEASURED):



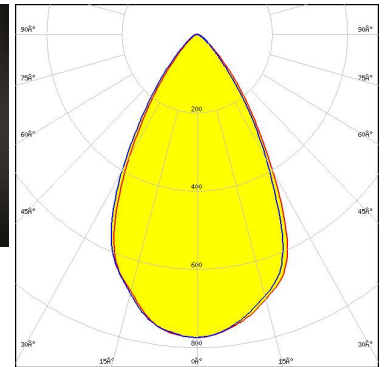
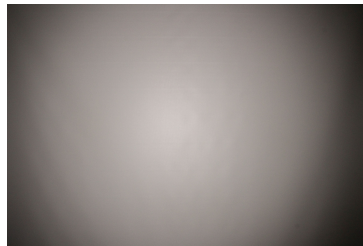
LED Vesta TW 13mm (25W) CSP
FWHM / FWTM 53.0° / 92.0°
Efficiency 79 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 492 Typ L8



Light distribution files



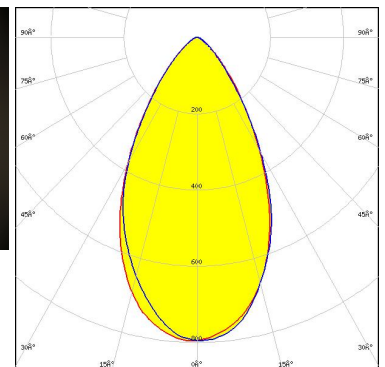
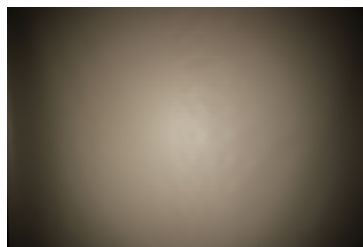
LED Vesta TW 6mm DP
FWHM / FWTM 60.0° / 92.0°
Efficiency 79 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8



Light distribution files

CITIZEN

LED CLC030 Series (Dim-To-Warm)
FWHM / FWTM 57.0° / 95.0°
Efficiency 78 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

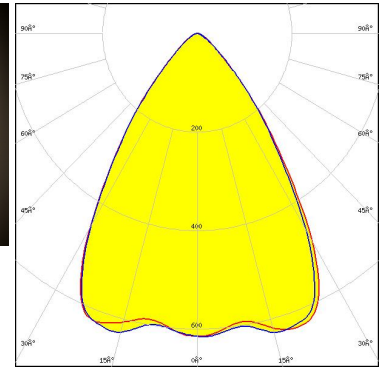
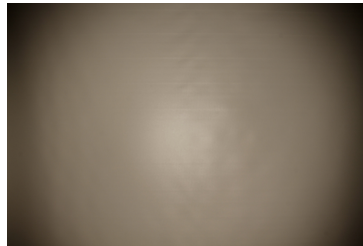


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

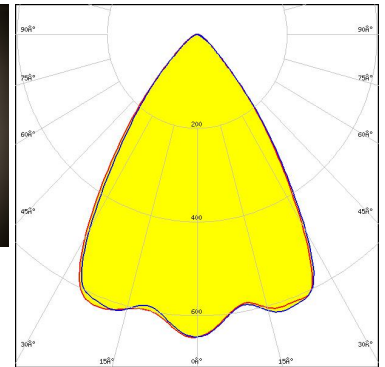
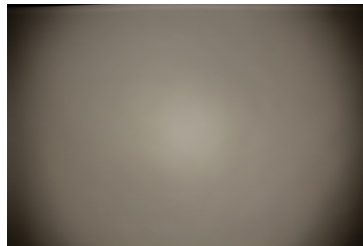
LED CLU700/701/702/703
 FWHM / FWTM 70.0° / 100.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

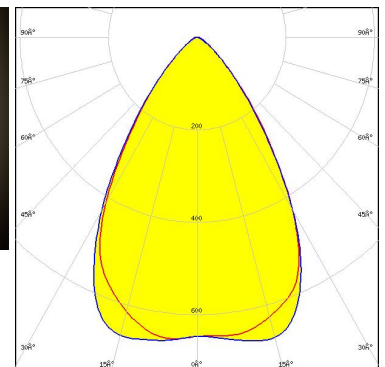
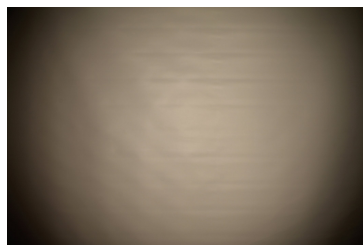
LED CLU7A2/7A3
 FWHM / FWTM 70.0° / 97.0°
 Efficiency 84 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



LED CMT14xx
 FWHM / FWTM 67.0° / 100.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

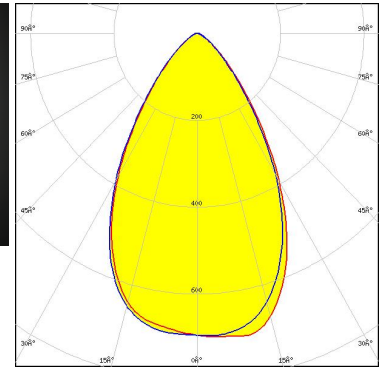


Light distribution files

OPTICAL RESULTS (MEASURED):



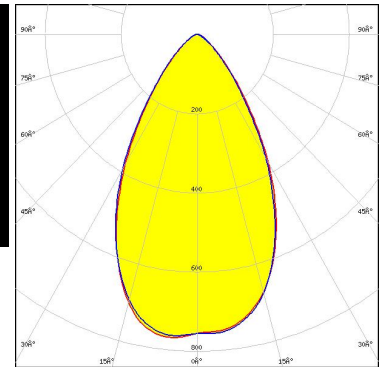
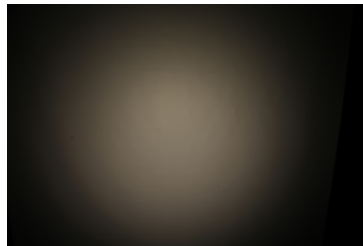
LED CMT19xx
 FWHM / FWTM 63.0° / 100.0°
 Efficiency 80 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



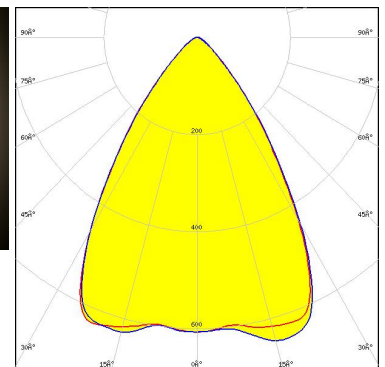
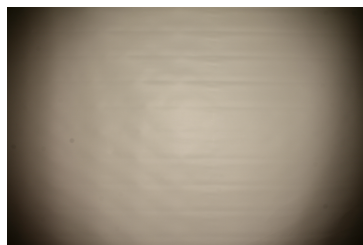
LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM / FWTM 59.0° / 97.0°
 Efficiency 80 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CoB 1202HD
 FWHM / FWTM 69.0° / 98.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15848_HEKLA-SOCKET-G

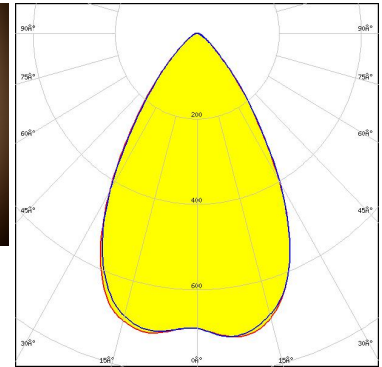
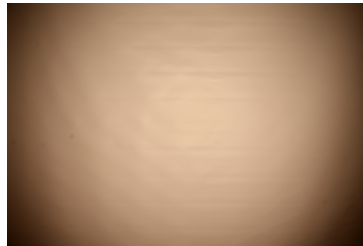


Light distribution files

OPTICAL RESULTS (MEASURED):



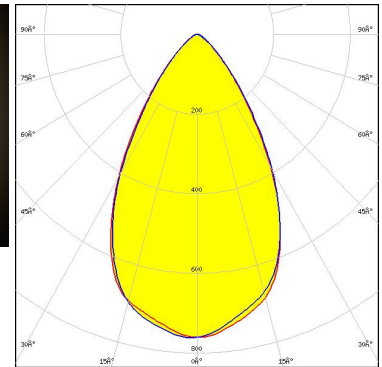
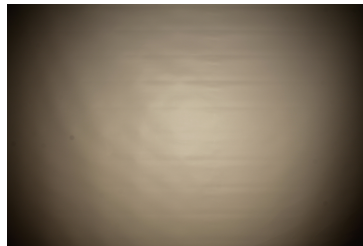
LED LUXEON CoB 1204HD
FWHM / FWTM 64.0° / 96.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15858_HEKLA-SOCKET-H



Light distribution files



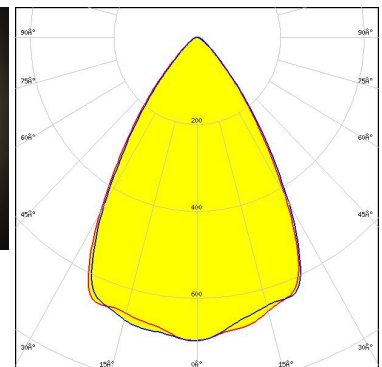
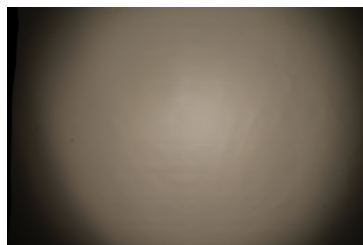
LED LUXEON CoB 1205HD
FWHM / FWTM 61.0° / 96.0°
Efficiency 81 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 TE Connectivity: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



Light distribution files



LED LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM 66.0° / 95.0°
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 634c Hekla

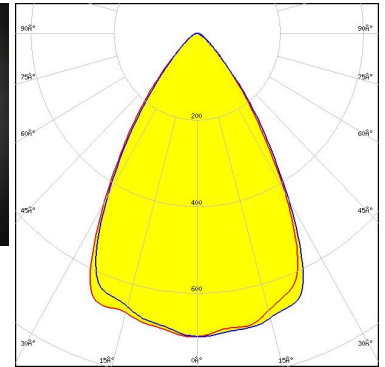


Light distribution files

OPTICAL RESULTS (MEASURED):



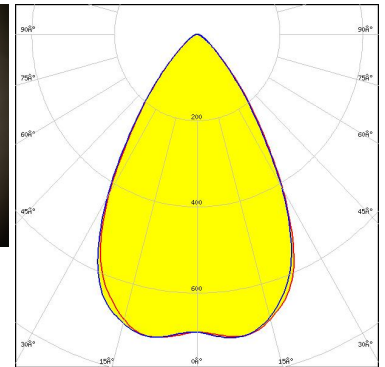
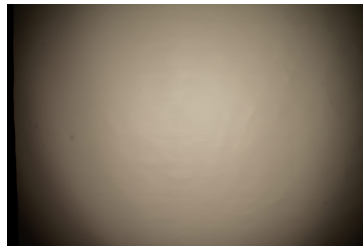
LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 65.0° / 94.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



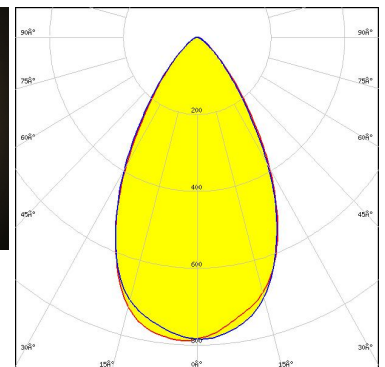
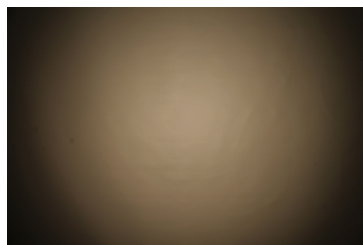
LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 64.0° / 96.0°
 Efficiency 83 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 60.0° / 96.0°
 Efficiency 82 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla

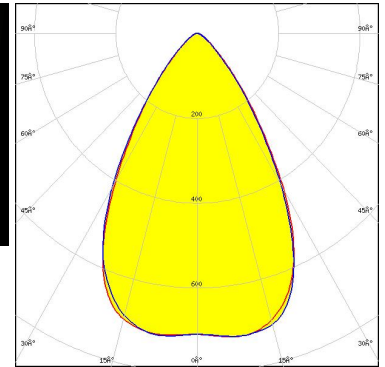
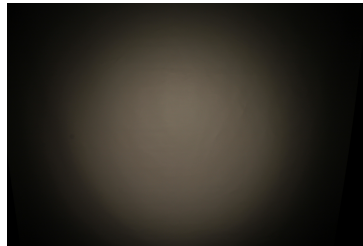


Light distribution files

OPTICAL RESULTS (MEASURED):



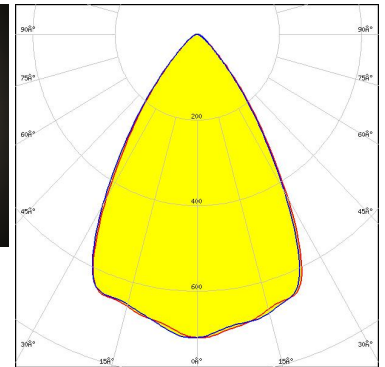
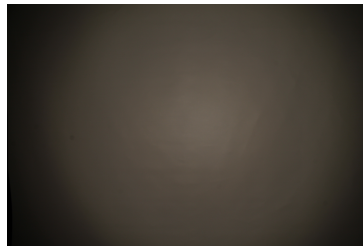
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
FWHM / FWTM 63.0° / 95.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 641a Hekla



Light distribution files



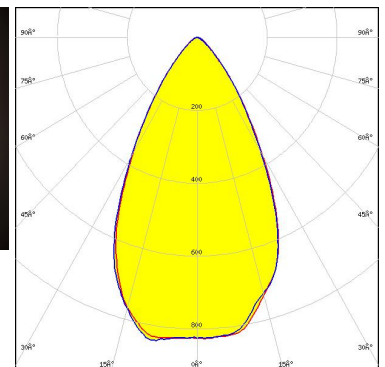
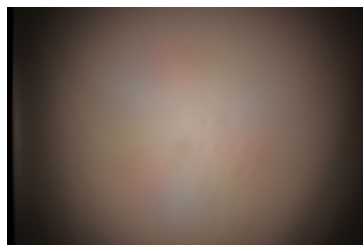
LED LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM 65.0° / 94.0°
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON Fusion
FWHM / FWTM 57.0° / 91.0°
Efficiency 80 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8

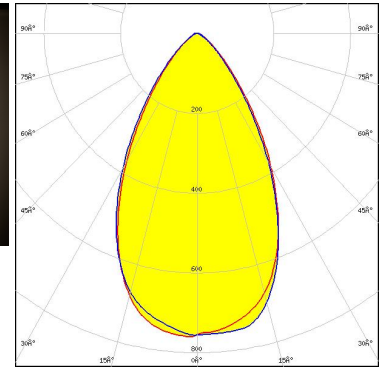
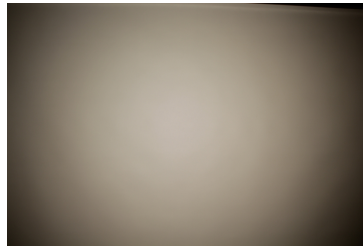


Light distribution files

OPTICAL RESULTS (MEASURED):



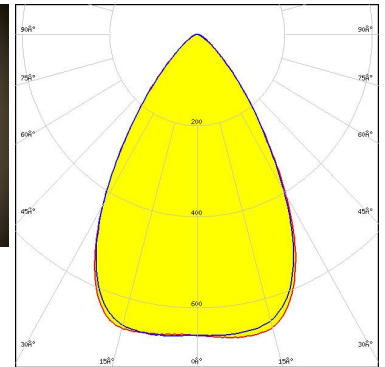
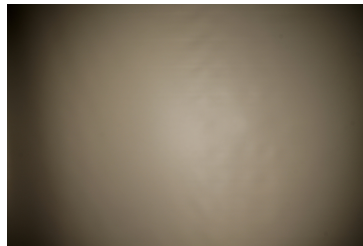
LED CxM-14 (19x19)
FWHM / FWTM 60.0° / 97.0°
Efficiency 80 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



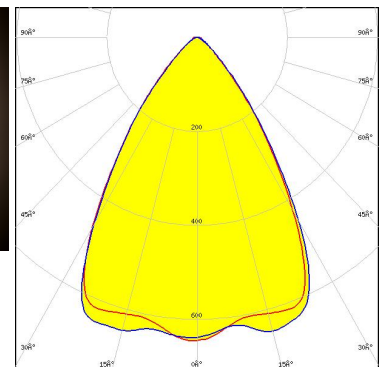
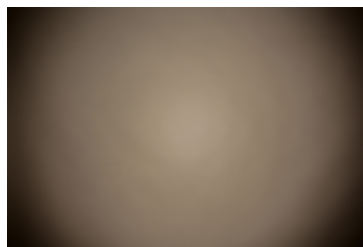
LED CxM-9 (13.5x13.5)
FWHM / FWTM 66.0° / 99.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files



LED LC010C G2
FWHM / FWTM 68.0° / 97.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C

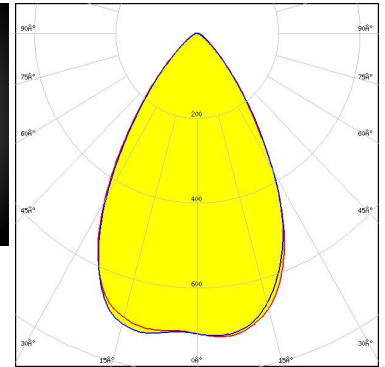
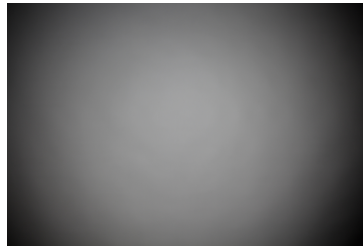


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

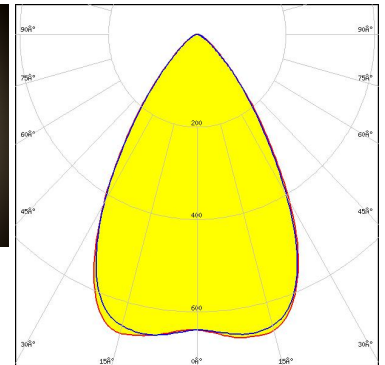
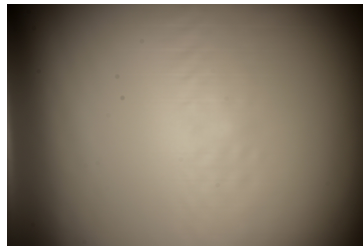
LED LC020C G2
 FWHM / FWTM 64.0° / 96.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

TRIDONIC

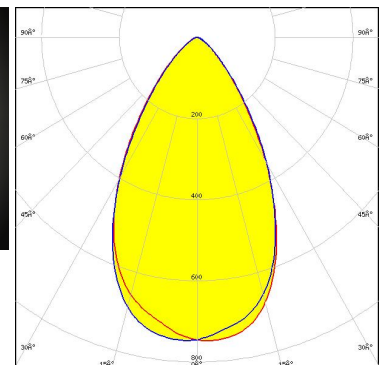
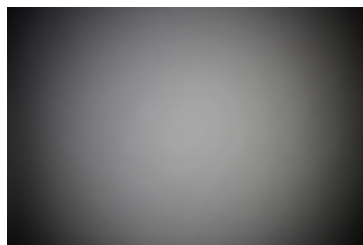
LED SLE G7 LES09
 FWHM / FWTM 67.0° / 99.0°
 Efficiency 81 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 60.0° / 98.0°
 Efficiency 80 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

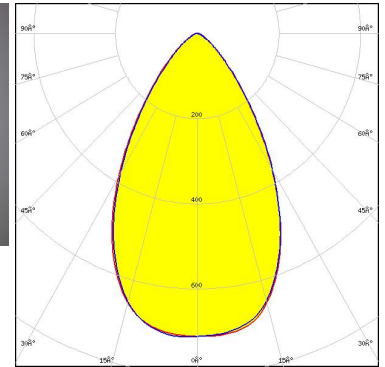


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

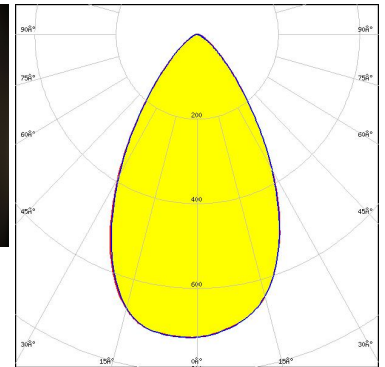
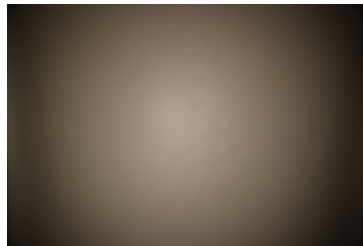
LED SLE G7 LES15
 FWHM / FWTM 61.0° / 100.0°
 Efficiency 79 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

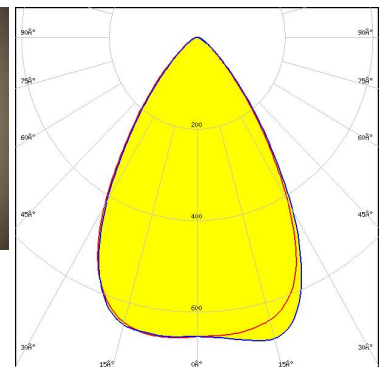
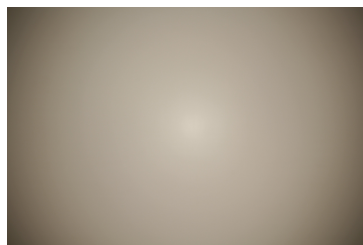
LED XOB 14.5 mm
 FWHM / FWTM 62.0° / 99.0°
 Efficiency 80 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

LED XOB 9.8 mm
 FWHM / FWTM 66.0° / 99.0°
 Efficiency 82 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

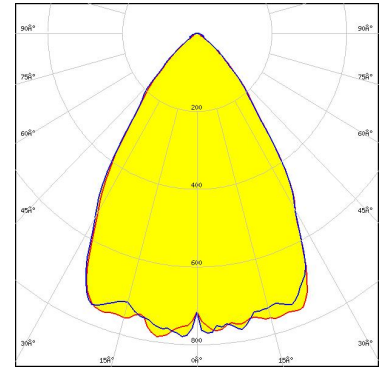


Light distribution files

OPTICAL RESULTS (SIMULATED):



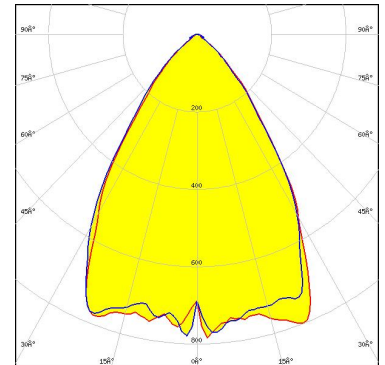
LED V10 Gen7
 FWHM / FWTM 69.0° / 100.0°
 Efficiency 83 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

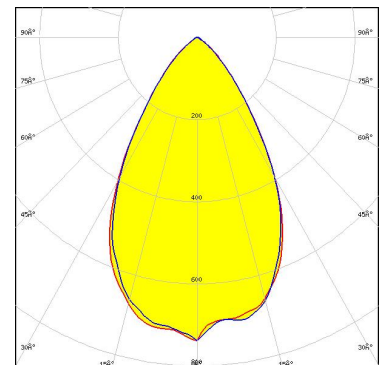
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 68.0° / 100.0°
 Efficiency 82 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

CITIZEN

LED CLL03x/CLU03x
 FWHM / FWTM 62.0° / 97.0°
 Efficiency 77 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I

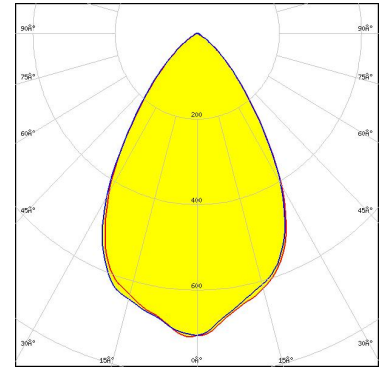


Light distribution files

OPTICAL RESULTS (SIMULATED):



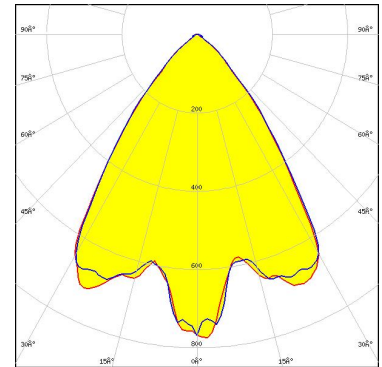
LED CMA1825
FWHM / FWTM 65.0° / 100.0°
Efficiency 81 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15254_HEKLA-SOCKET-B



Light distribution files



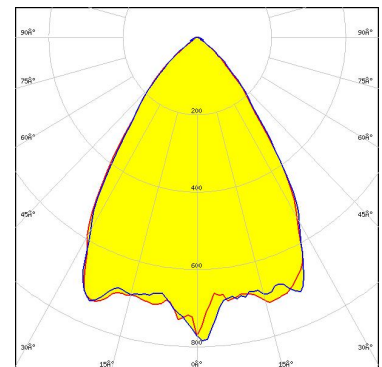
LED CXA/B 13xx
FWHM / FWTM 72.0° / 100.0°
Efficiency 83 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED CXA/B 15xx
FWHM / FWTM 70.0° / 100.0°
Efficiency 84 %
LEDs/each optic 1
Light colour/type White
Required components:

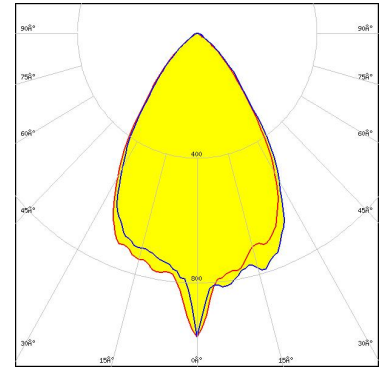


Light distribution files

OPTICAL RESULTS (SIMULATED):



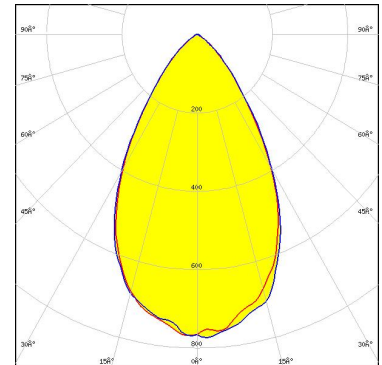
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 65.0° / 100.0°
 Efficiency 83 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED COB J-Type
 FWHM / FWTM 60.0° / 97.0°
 Efficiency 79 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

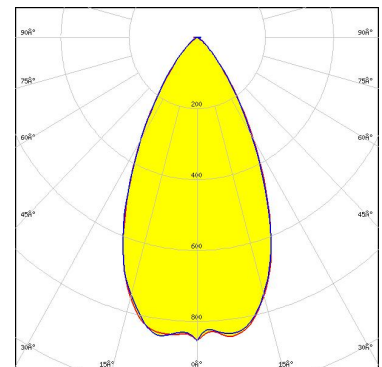


Bender Wirth: 463 Typ L8

Light distribution files

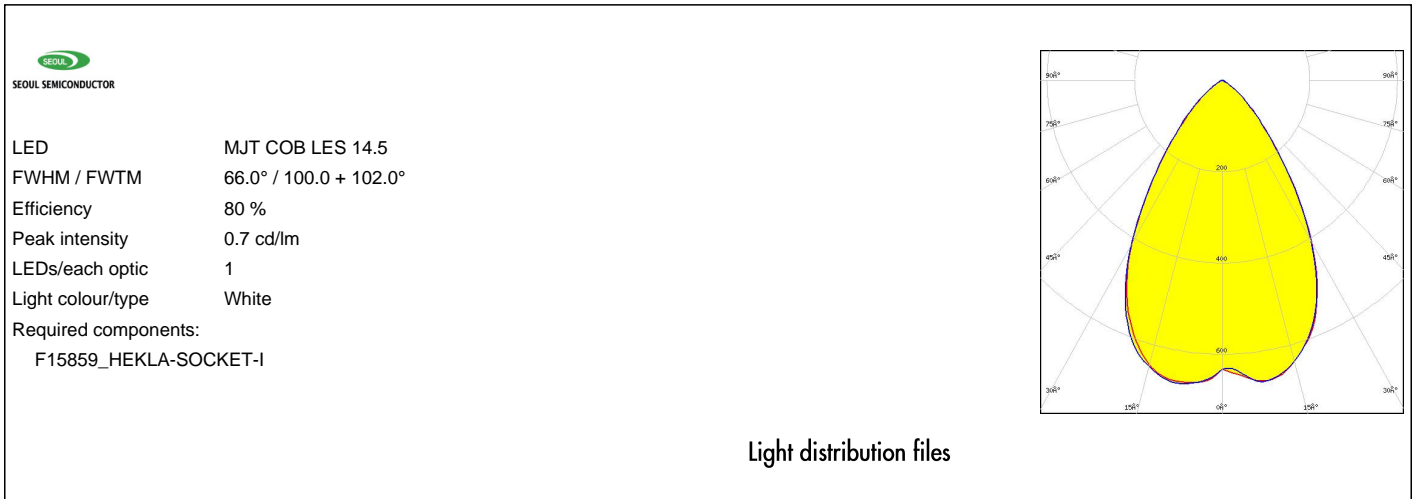


LED NFSWE11A
 FWHM / FWTM 54.0° / 86.0°
 Efficiency 73 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 30
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



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:

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