

RONDA-O-C

~50° + 30° oval beam with holder C compatible
with LEDiL HEKLA

SPECIFICATION:

Dimensions	Ø 53.9 mm
Height	20.5 mm
Fastening	socket
ROHS compliant	yes ⓘ



MATERIALS:

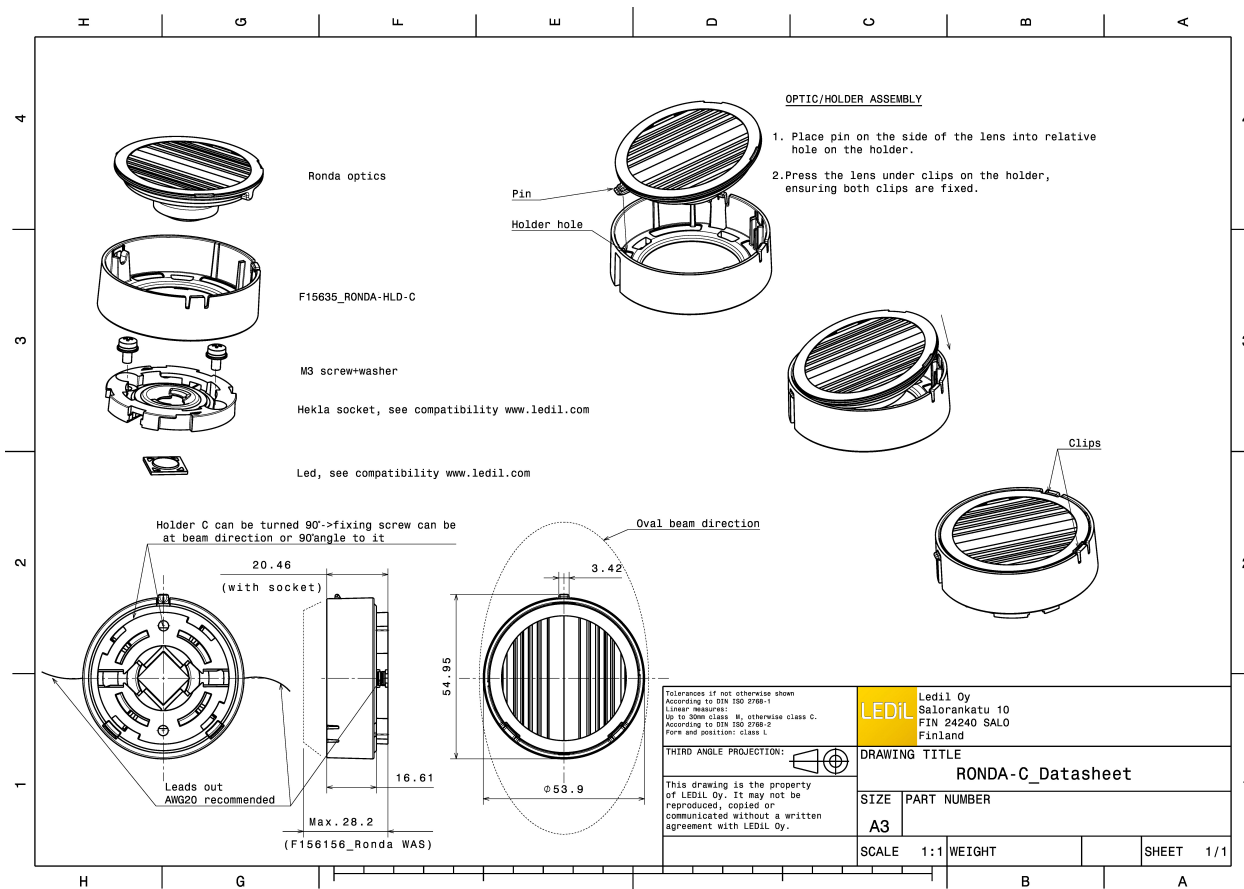
Component	Type	Material	Colour	Finish	Length
F15990_RONDA-O	Single lens	PMMA	clear		49.9
F15635_RONDA-HLD-C	Holder	PC	white		53.9

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15990_RONDA-O » Box size: 480 x 280 x 300 mm	Single lens	420	120	30	6.5
F15635_RONDA-HLD-C » Box size: 480 x 280 x 300 mm	Holder	420	120	30	4.1

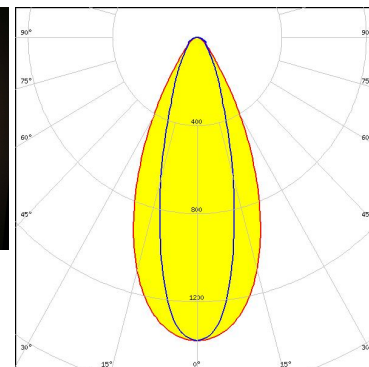
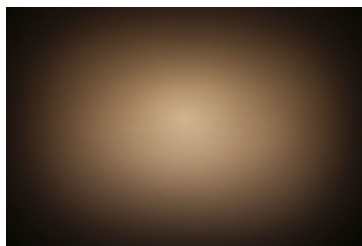


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



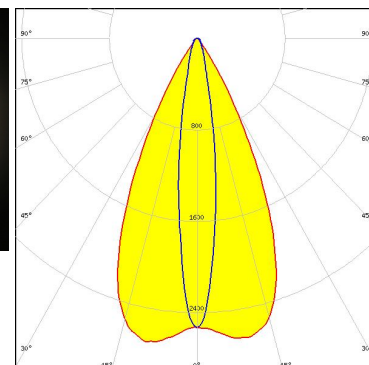
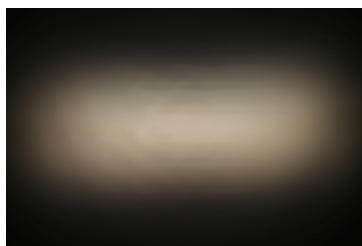
LED V11 HD Gen 8
 FWHM / FWTM 48.0 + 29.0° / 80.0 + 68.0°
 Efficiency 83 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 633d Hekla



Light distribution files



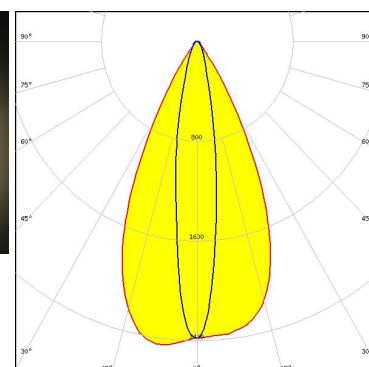
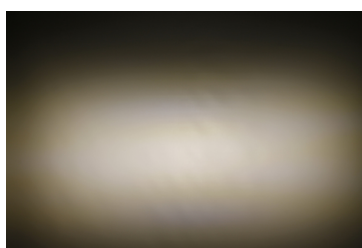
LED V4 HD Gen 7
 FWHM / FWTM 51.0 + 16.0° / 70.0 + 35.0°
 Efficiency 92 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files



LED V6 Gen6
 FWHM / FWTM 50.0 + 17.0° / 72.0 + 40.0°
 Efficiency 91 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A

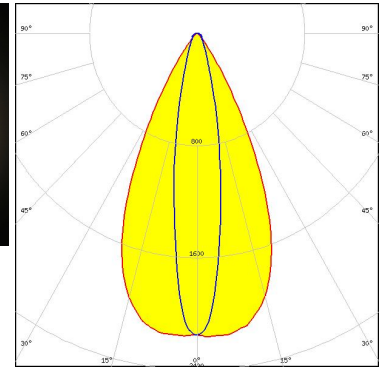
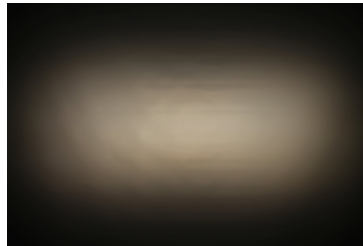


Light distribution files

OPTICAL RESULTS (MEASURED):



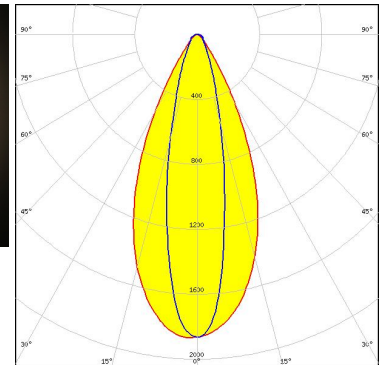
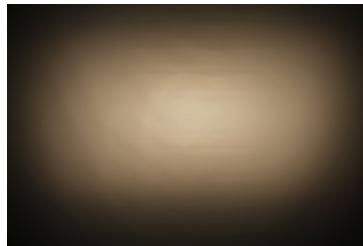
LED V6 HD Gen 7
FWHM / FWTM 51.0 + 19.0° / 73.0 + 43.0°
Efficiency 91 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



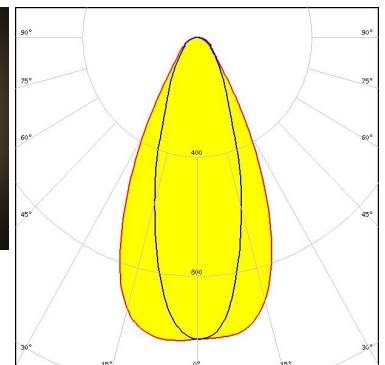
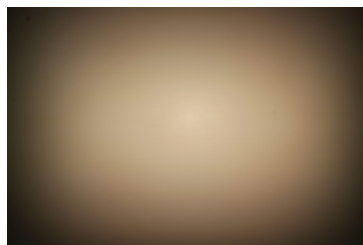
LED V9 HD Gen7
FWHM / FWTM 47.0 + 23.0° / 74.0 + 54.0°
Efficiency 89 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files



LED Vesta DTW 13mm (21W)
FWHM / FWTM 53.0 + 35.0° / 89.0 + 84.0°
Efficiency 80 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 491 Typ L8

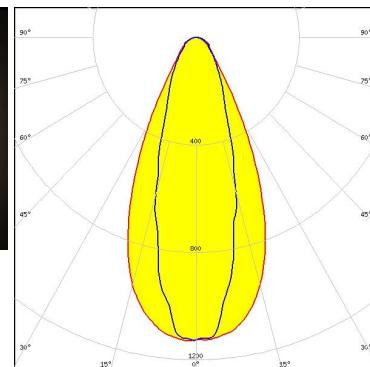
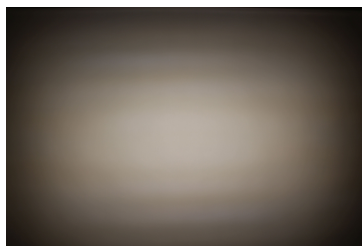


Light distribution files

OPTICAL RESULTS (MEASURED):



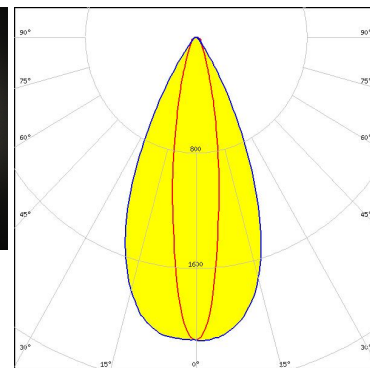
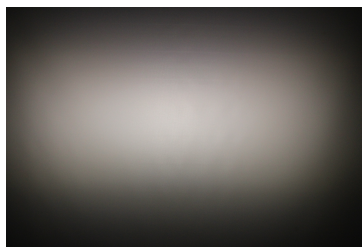
LED Vesta TW 13mm (25W) CSP
 FWHM / FWTM 50.0 + 31.0° / 85.0 + 81.0°
 Efficiency 82 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 492 Typ L8



Light distribution files



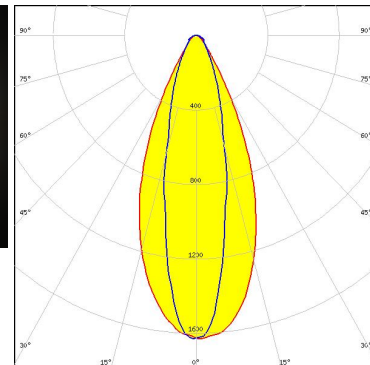
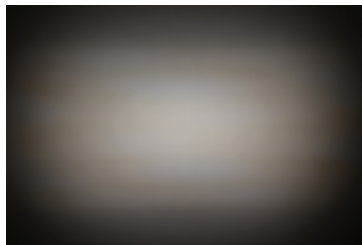
LED Vesta TW 6mm DP
 FWHM / FWTM 48.0 + 19.0° / 71.0 + 45.0°
 Efficiency 85 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8



Light distribution files



LED Vesta TW 9mm (12W) CSP
 FWHM / FWTM 44.0 + 25.0° / 73.0 + 64.0°
 Efficiency 85 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K

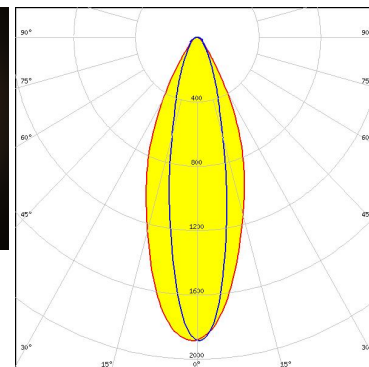
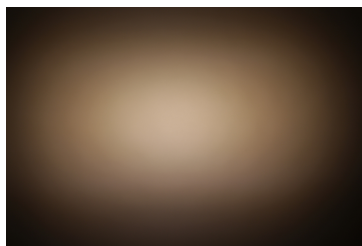


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

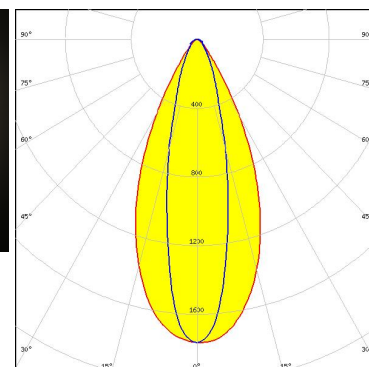
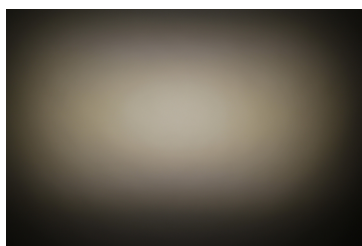
LED CLC020 Series (Dim-To-Warm)
 FWHM / FWTM 29.0 + 23.0° / 72.0 + 57.0°
 Efficiency 84 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files

CITIZEN

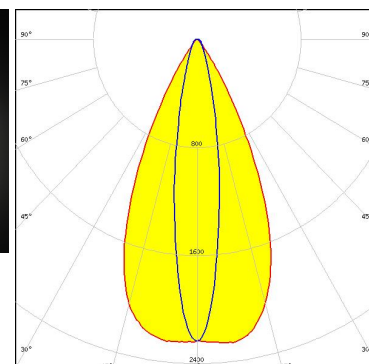
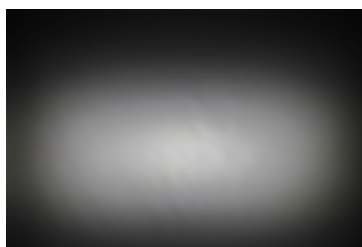
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 47.0 + 24.0° / 75.0 + 58.0°
 Efficiency 88 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 50.0 + 18.0° / 71.0 + 43.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

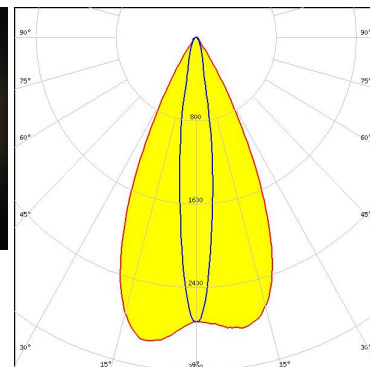
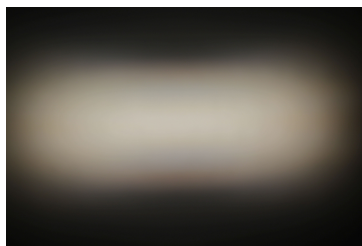


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

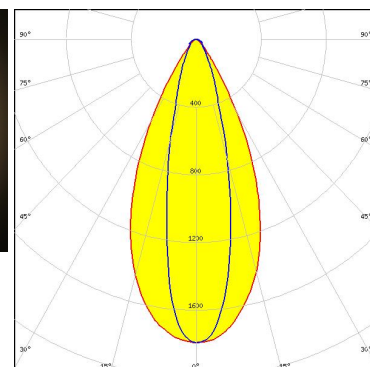
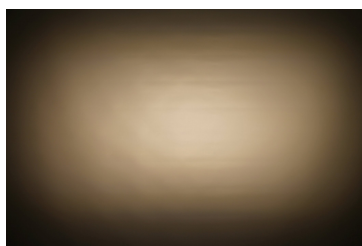
LED CLU7A2/7A3
FWHM / FWTM 49.0 + 14.0° / 68.0 + 31.0°
Efficiency 91 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



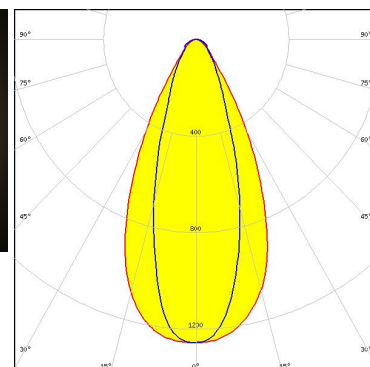
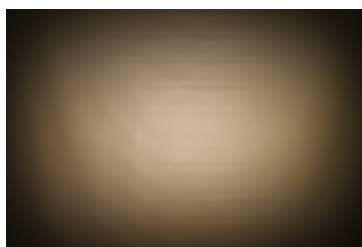
LED CMA1516
FWHM / FWTM 49.0 + 25.0° / 76.0 + 57.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D



Light distribution files



LED CMA1825
FWHM / FWTM 51.0 + 33.0° / 83.0 + 76.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15254_HEKLA-SOCKET-B

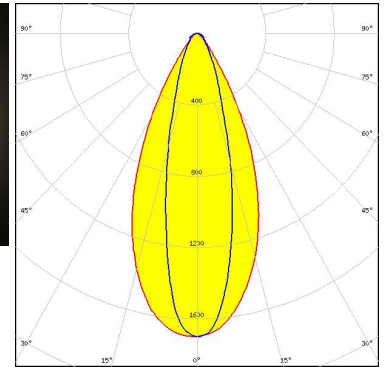
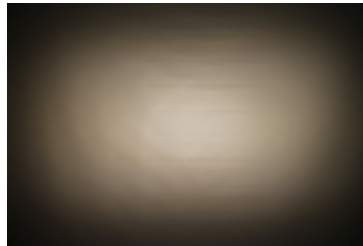


Light distribution files

OPTICAL RESULTS (MEASURED):



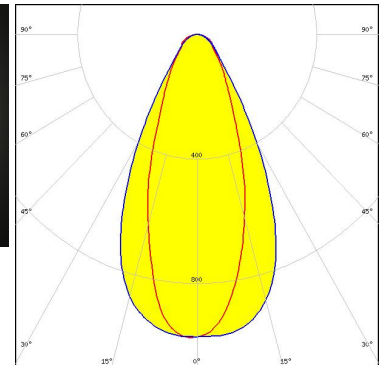
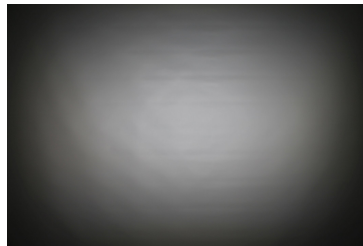
LED CMT14xx
FWHM / FWTM 48.0 + 26.0° / 77.0 + 60.0°
Efficiency 90 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



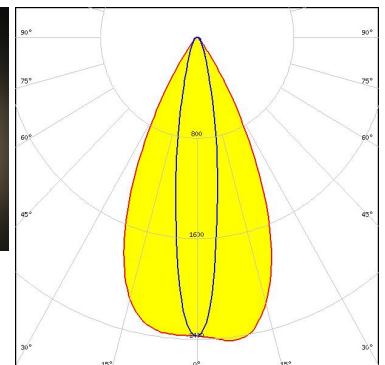
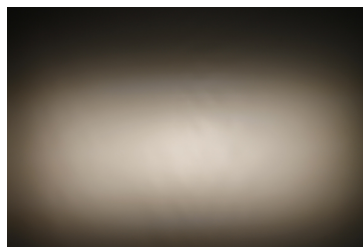
LED CMT19xx
FWHM / FWTM 54.0 + 38.0° / 92.0 + 88.0°
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files



LED CXA/B 13xx
FWHM / FWTM 50.0 + 17.0° / 72.0 + 40.0°
Efficiency 91 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15956_HEKLA-SOCKET-J

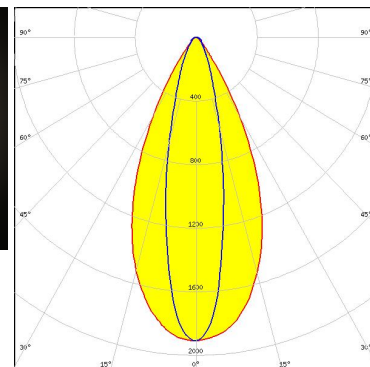
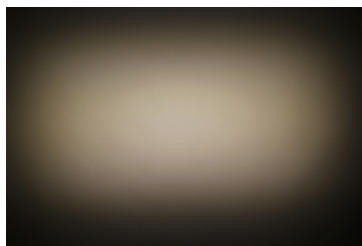


Light distribution files

OPTICAL RESULTS (MEASURED):



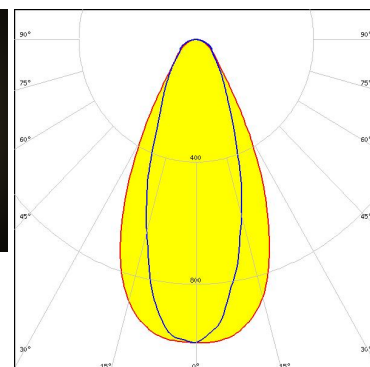
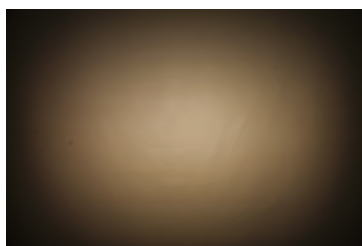
LED CXA/B 15xx
FWHM / FWTM 49.0 + 23.0° / 75.0 + 54.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D



Light distribution files



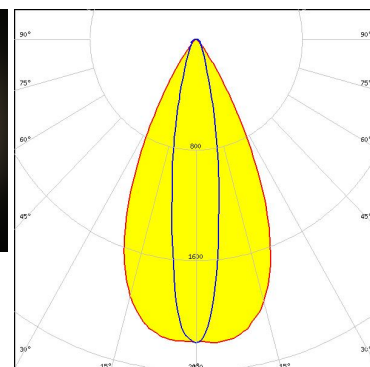
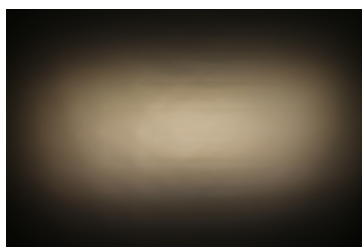
LED LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM 54.0 + 38.0° / 93.0 + 90.0°
Efficiency 85 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 637a Hekla



Light distribution files



LED LUXEON CoB 1202HD
FWHM / FWTM 51.0 + 18.0° / 73.0 + 43.0°
Efficiency 91 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G

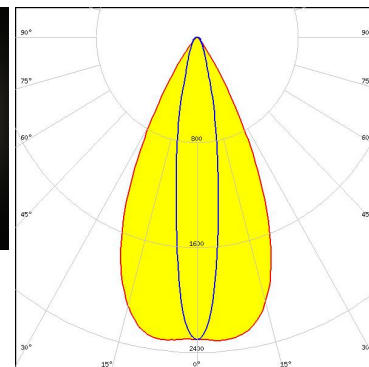
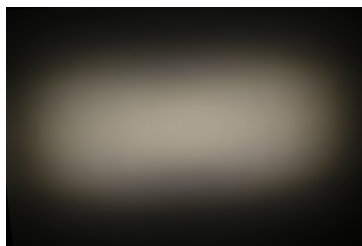


Light distribution files

OPTICAL RESULTS (MEASURED):



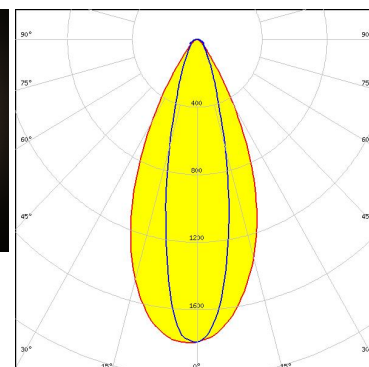
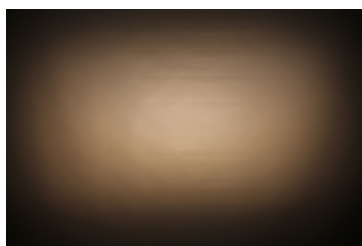
LED LUXEON CoB 1202s
FWHM / FWTM 51.0 + 17.0° / 72.0 + 40.0°
Efficiency 91 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G



Light distribution files



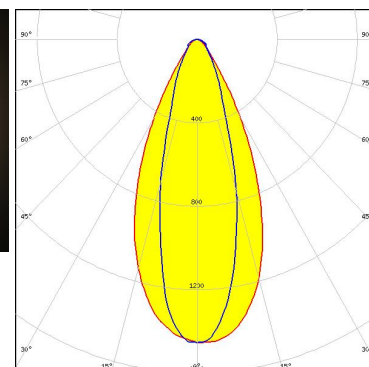
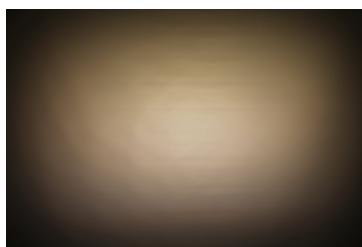
LED LUXEON CoB 1204HD
FWHM / FWTM 48.0 + 25.0° / 76.0 + 56.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858_HEKLA-SOCKET-H



Light distribution files



LED LUXEON CoB 1205HD
FWHM / FWTM 48.0 + 30.0° / 79.0 + 68.0°
Efficiency 88 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15858_HEKLA-SOCKET-H

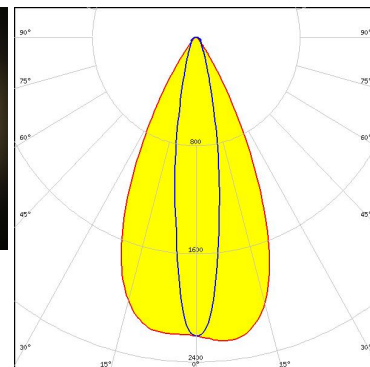
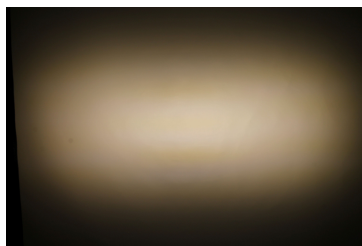


Light distribution files

OPTICAL RESULTS (MEASURED):



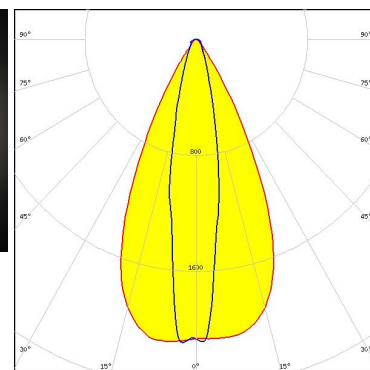
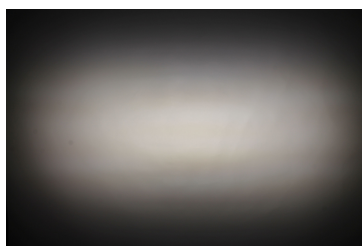
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 50.0 + 18.0° / 72.0 + 43.0°
 Efficiency 90 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



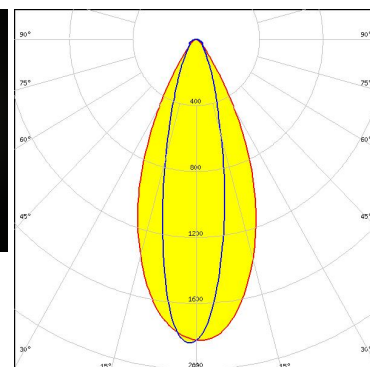
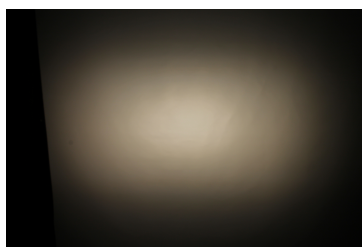
LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 51.0 + 20.0° / 72.0 + 45.0°
 Efficiency 91 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 46.0 + 25.0° / 75.0 + 58.0°
 Efficiency 90 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

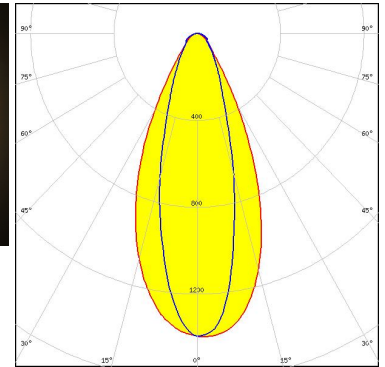
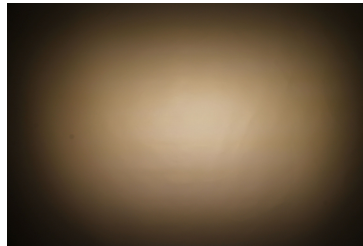


Light distribution files

OPTICAL RESULTS (MEASURED):



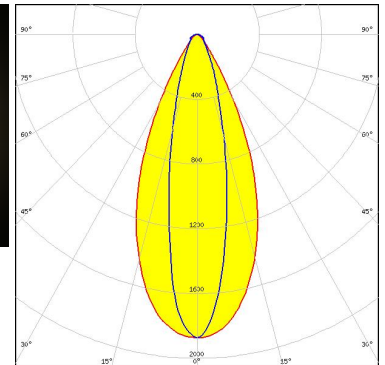
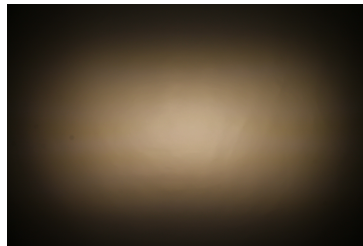
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 48.0° / 79.0 + 72.0°
 Efficiency 88 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



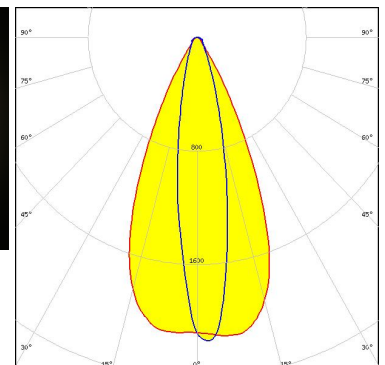
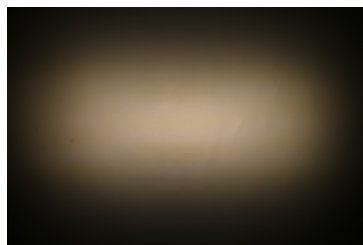
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 46.0 + 23.0° / 74.0 + 56.0°
 Efficiency 90 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 641a Hekla



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 48.0 + 20.0° / 68.0 + 47.0°
 Efficiency 89 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

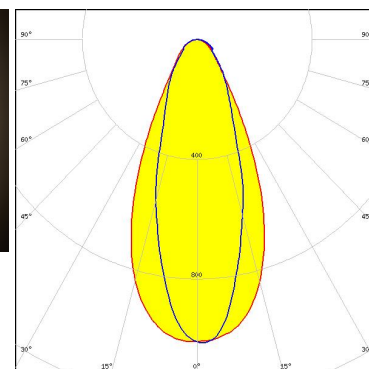
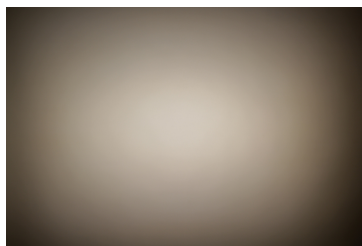


Light distribution files

OPTICAL RESULTS (MEASURED):



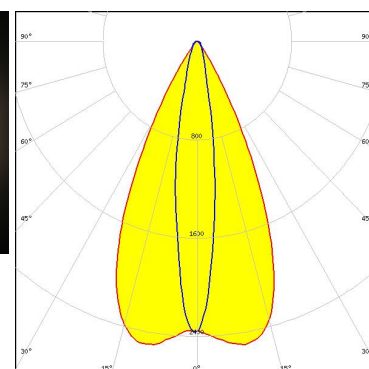
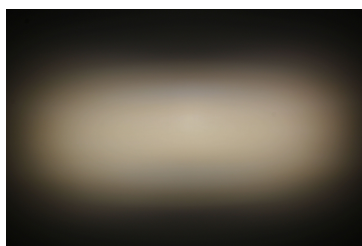
LED CxM-14 (19x19)
FWHM / FWTM 49.0 + 35.0° / 89.0 + 88.0°
Efficiency 79 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files



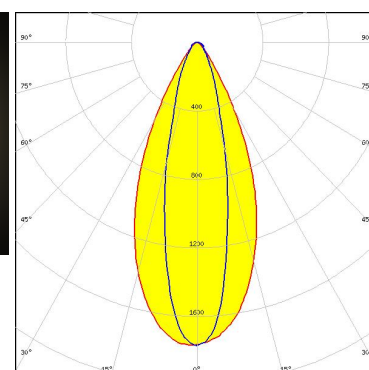
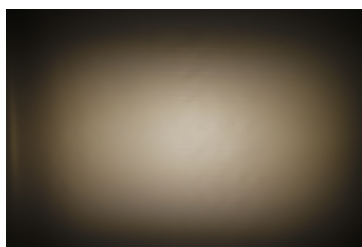
LED CXM-4
FWHM / FWTM 51.0 + 16.0° / 70.0 + 37.0°
Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



LED CxM-9 (13.5x13.5)
FWHM / FWTM 47.0 + 25.0° / 75.0 + 59.0°
Efficiency 89 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

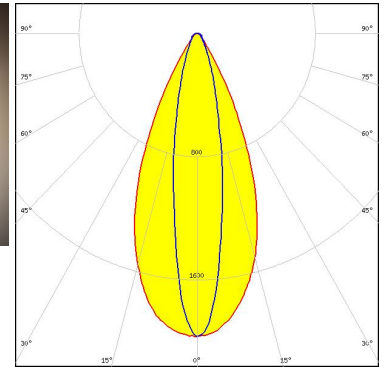
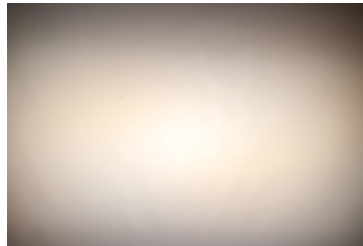


Light distribution files

OPTICAL RESULTS (MEASURED):



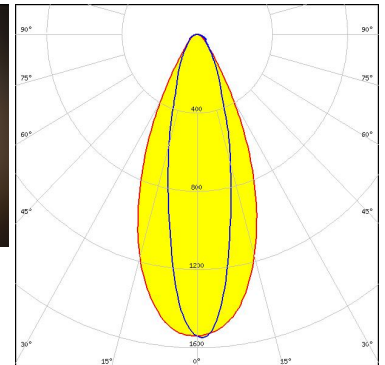
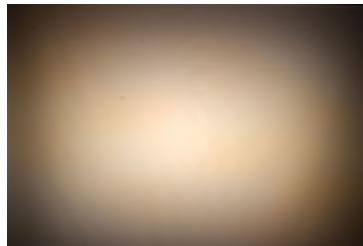
LED NJCWL024Z-V1MT: COB L-Type Tunable White
 FWHM / FWTM 46.0 + 20.0° / 70.0 + 50.0°
 Efficiency 82 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 497 Typ L8



Light distribution files



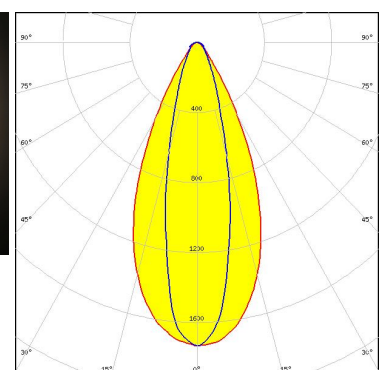
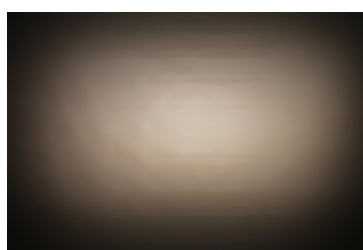
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 45.0 + 25.0° / 75.0 + 67.0°
 Efficiency 84 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 498 Typ L8



Light distribution files



LED Fortimo SLM L09 CoB
 FWHM / FWTM 48.0 + 25.0° / 76.0 + 58.0°
 Efficiency 90 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15858_HEKLA-SOCKET-H

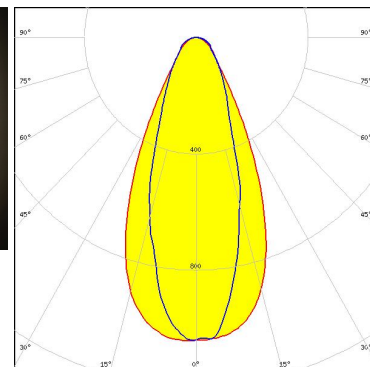
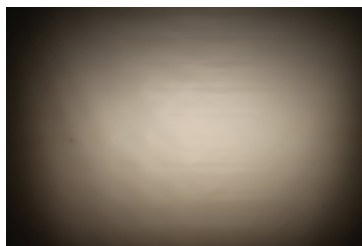


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

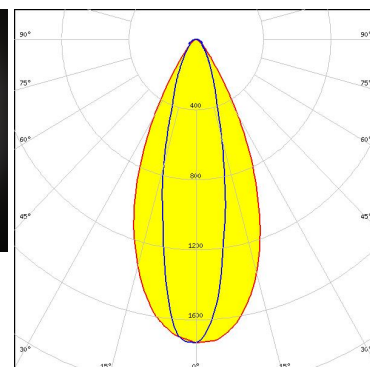
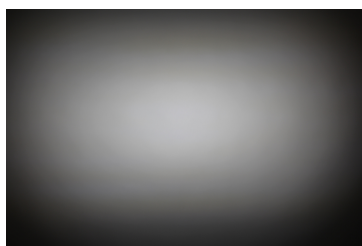
LED Fortimo SLM L13 CoB
 FWHM / FWTM 41.0 + 45.0° / 90.0 + 89.0°
 Efficiency 83 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



Light distribution files

SAMSUNG

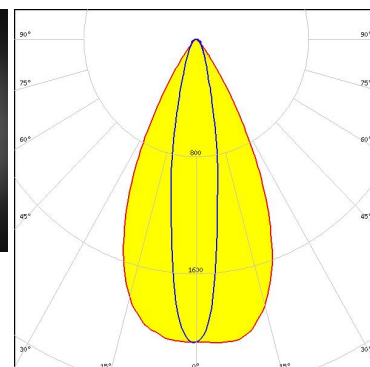
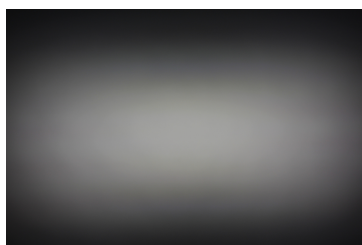
LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 48.0 + 25.0° / 76.0 + 60.0°
 Efficiency 89 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

SAMSUNG

LED LC010C
 FWHM / FWTM 52.0 + 18.0° / 74.0 + 44.0°
 Efficiency 90 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15848_HEKLA-SOCKET-G

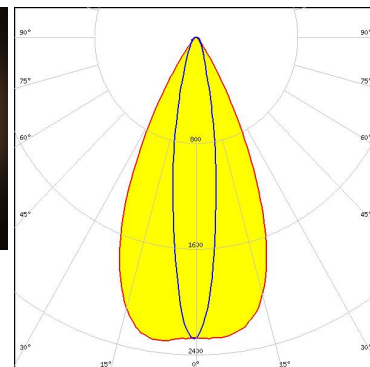
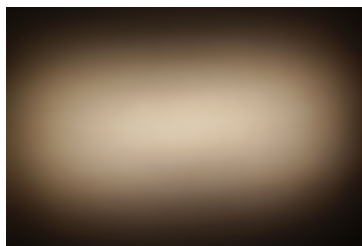


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

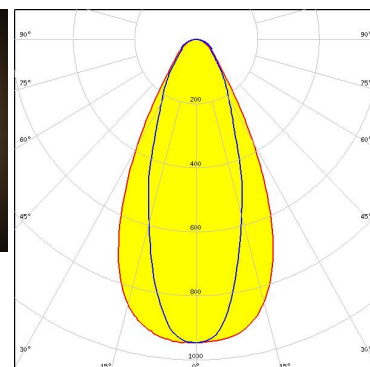
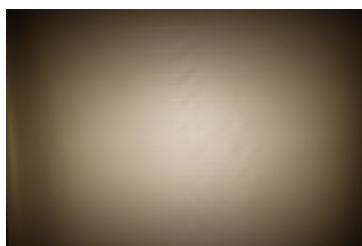
LED LC010C G2
FWHM / FWTM 50.0 + 17.0° / 71.0 + 41.0°
Efficiency 89 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

SAMSUNG

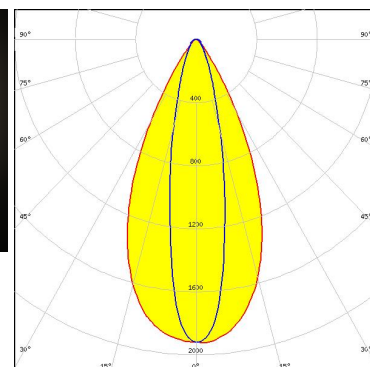
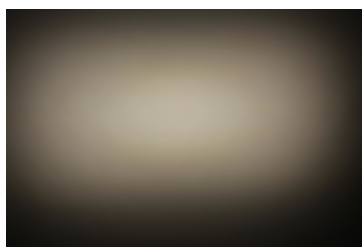
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 55.0 + 37.0° / 94.0 + 89.0°
Efficiency 82 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files

SAMSUNG

LED LC020C
FWHM / FWTM 49.0 + 22.0° / 75.0 + 52.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G

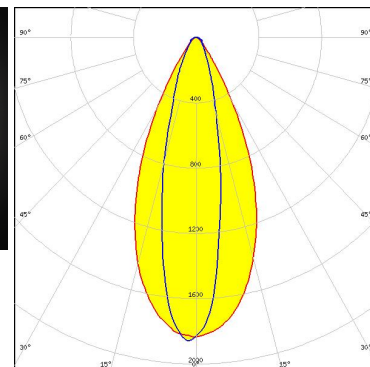
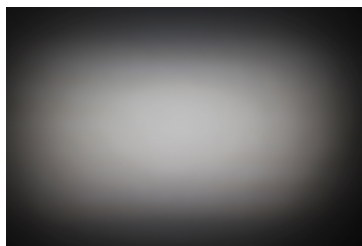


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

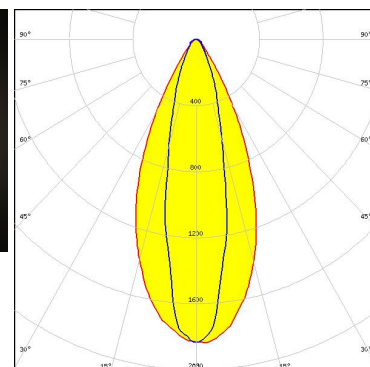
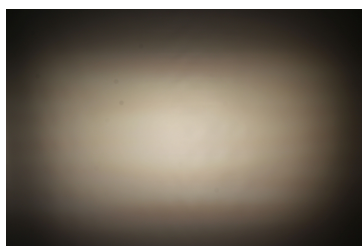
LED LC020C G2
FWHM / FWTM 47.0 + 23.0° / 74.0 + 55.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files

TRIDONIC

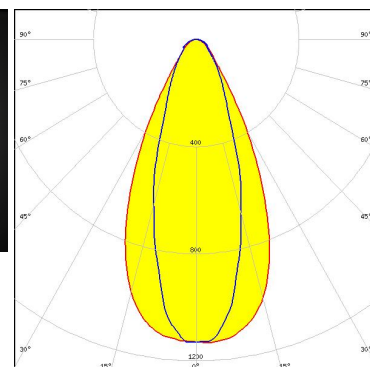
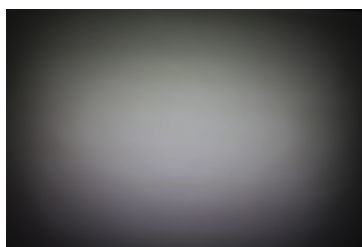
LED SLE G7 LES09
FWHM / FWTM 46.0 + 24.0° / 74.0 + 57.0°
Efficiency 88 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

TRIDONIC

LED SLE G7 LES13
FWHM / FWTM 52.0 + 35.0° / 85.0 + 81.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I

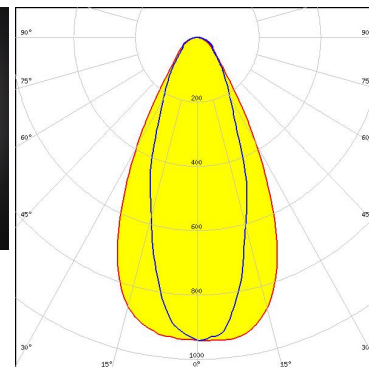
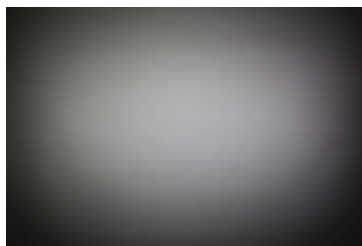


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

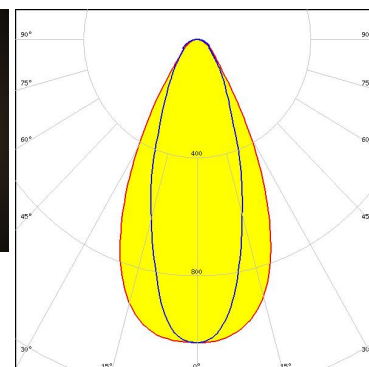
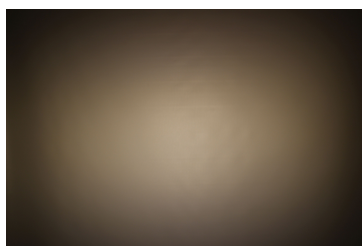
LED SLE G7 LES15
FWHM / FWTM 55.0 + 39.0° / 94.0 + 90.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

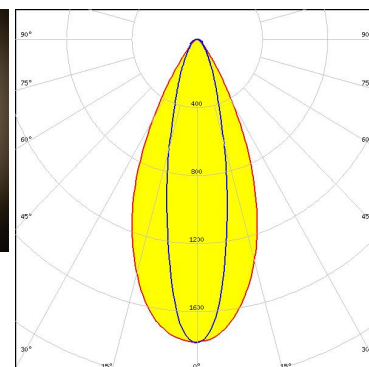
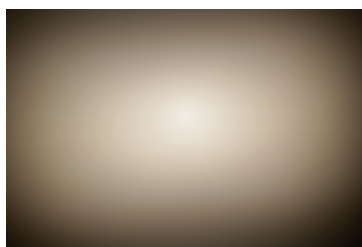
LED XOB 14.5 mm
FWHM / FWTM 54.0 + 36.0° / 88.0 + 84.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files

XICATO

LED XOB 9.8 mm
FWHM / FWTM 48.0 + 24.0° / 76.0 + 89.0°
Efficiency 89 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

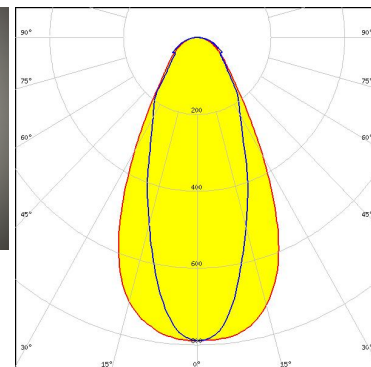


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

LED	XTM - 19mm LES
FWHM / FWTM	57.0 + 40.0° / 111.0 + 107.0°
Efficiency	82 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
	C16058_XTM-ADAPTER-50-C

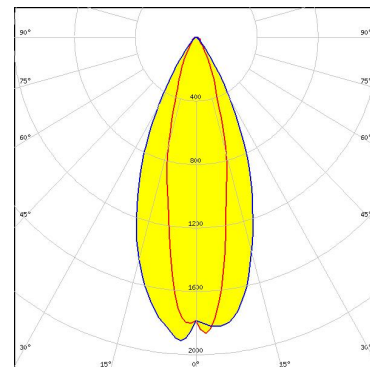


Light distribution files

OPTICAL RESULTS (SIMULATED):



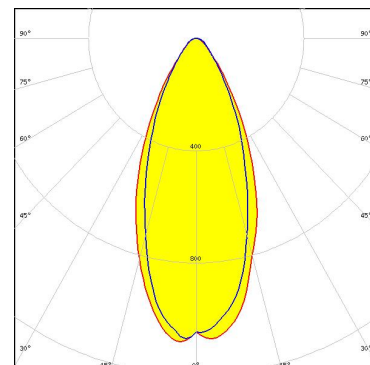
LED V10 Gen 8-9
FWHM / FWTM 24.0 + 45.0° / 56.0 + 73.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

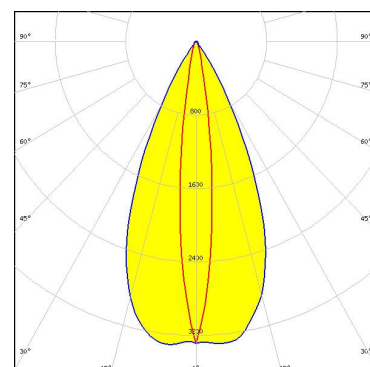
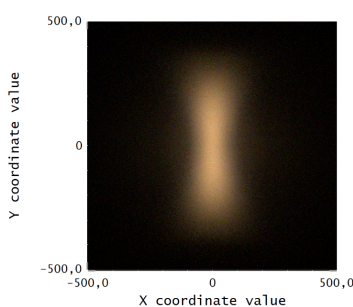
LED CLL03x/CLU03x
FWHM / FWTM 47.0 + 40.0° / 85.0 + 83.0°
Efficiency 80 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files

CITIZEN

LED CLU7B2
FWHM / FWTM 48.0 + 12.0° / 68.0 + 27.0°
Efficiency 91 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C

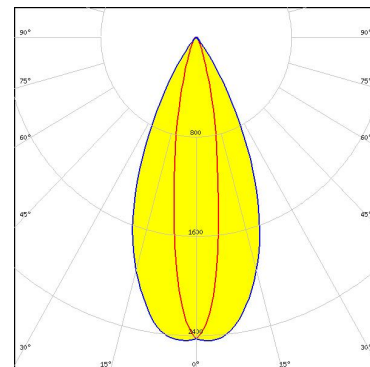


Light distribution files

OPTICAL RESULTS (SIMULATED):



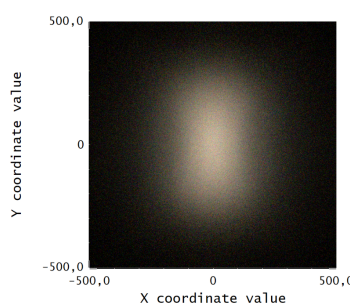
LED COB T-Type
FWHM / FWTM 28.0 + 47.0° / 40.0 + 71.0°
Efficiency 86 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G



Light distribution files



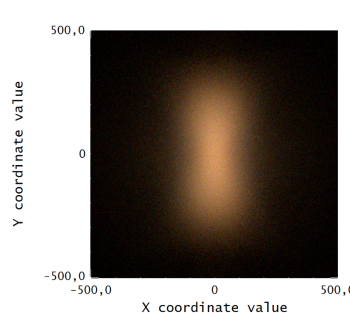
LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 44.0 + 26.0° / 71.0 + 58.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



Light distribution files



LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 46.0 + 18.0° / 70.0 + 40.0°
Efficiency 90 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C

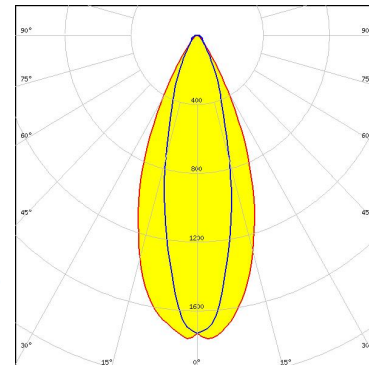
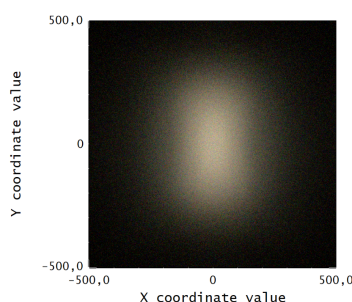


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

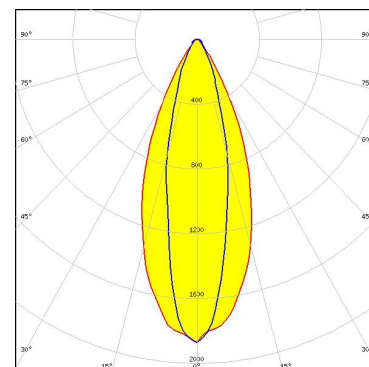
LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 44.0 + 27.0° / 71.0 + 61.0°
 Efficiency 87 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files

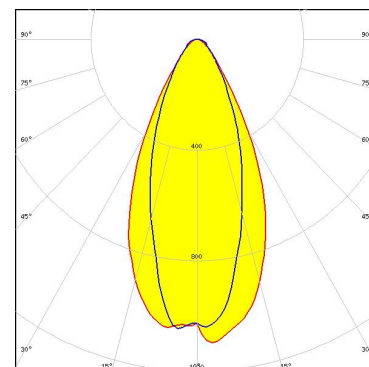
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 43.0 + 24.0° / 72.0 + 58.0°
 Efficiency 87 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C



SAMSUNG

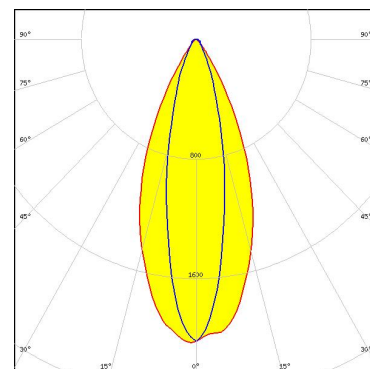
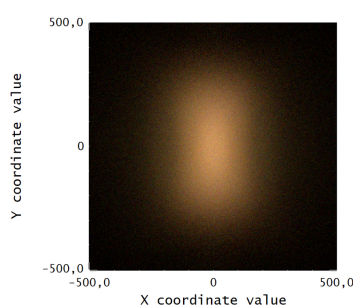
LED LC016D / LC019D / LC026D / LC033D
 FWHM / FWTM 51.0 + 39.0° / 85.0°
 Efficiency 83 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020C G2
 FWHM / FWTM 44.0 + 23.0° / 70.0 + 55.0°
 Efficiency 89 %
 Peak intensity 2 cd/Im
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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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Hong Kong, China

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