

ILONA-RS

~10° spot beam

SPECIFICATION:

Dimensions	Ø 49.8
Height	29.3 mm
Fastening	socket
ROHS compliant	yes ⓘ

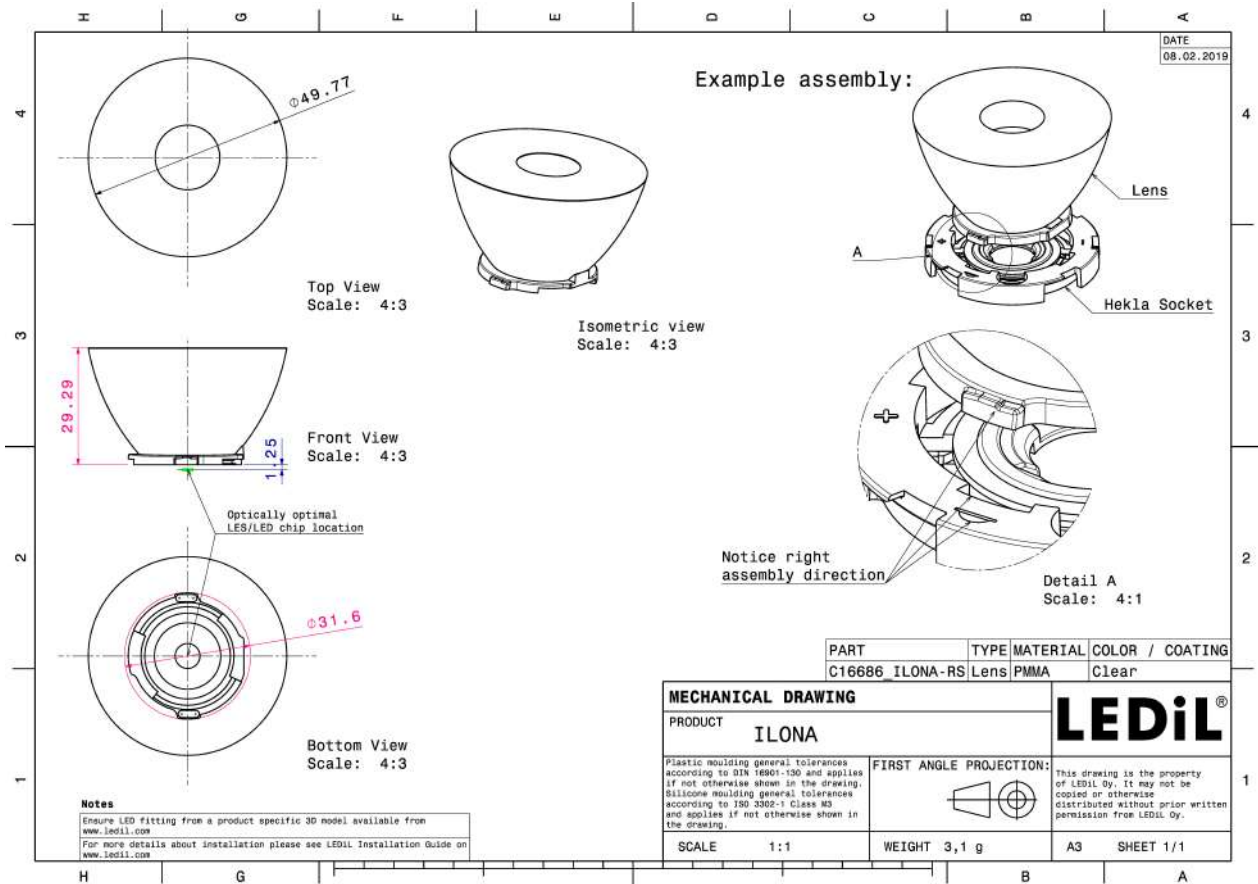
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
ILONA-RS	Single lens	PMMA	clear		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16686_ILONA-RS » Box size: 480 x 280 x 300 mm	264	99	33	9.6

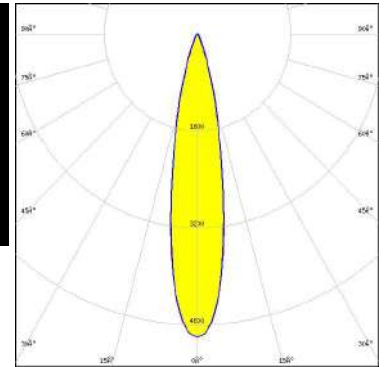


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



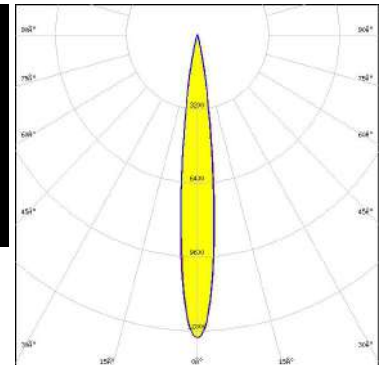
LED V11 HD Gen 8
FWHM / FWTM 20.0° / 40.0°
Efficiency 93 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 633d Hekla



Light distribution files



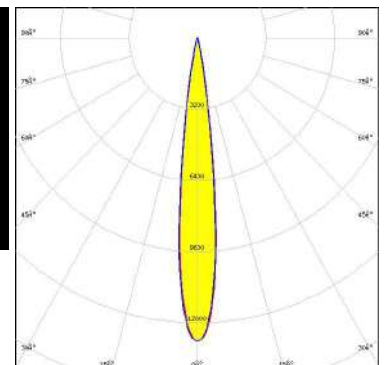
LED V6 HD Gen 7
FWHM / FWTM 13.0° / 24.0°
Efficiency 94 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 634c Hekla



Light distribution files



LED V6 HD Gen 7
FWHM / FWTM 14.0° / 23.0°
Efficiency 95 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

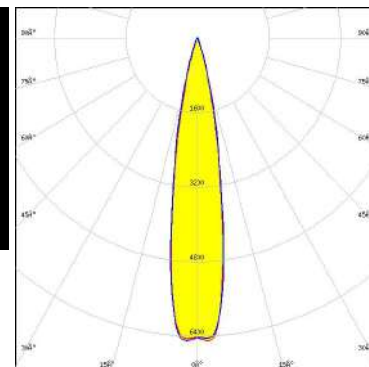


Light distribution files

OPTICAL RESULTS (MEASURED):



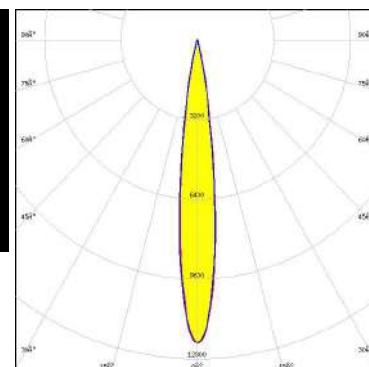
LED Vesta DTW 9mm (4W/6W/12W)
 FWHM / FWTM 19.0° / 34.0°
 Efficiency 93 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



Light distribution files



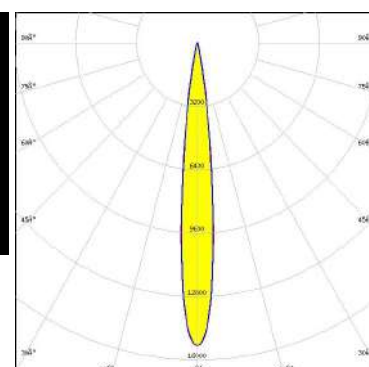
LED Vesta TW 6mm DP
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 91 %
 Peak intensity 12.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8



Light distribution files

CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 96 %
 Peak intensity 15.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C

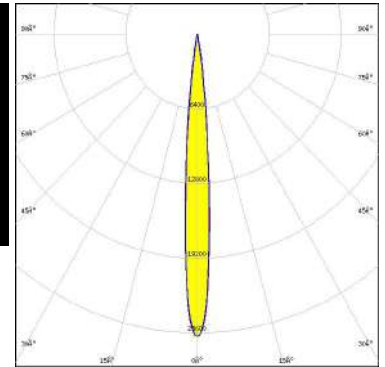


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

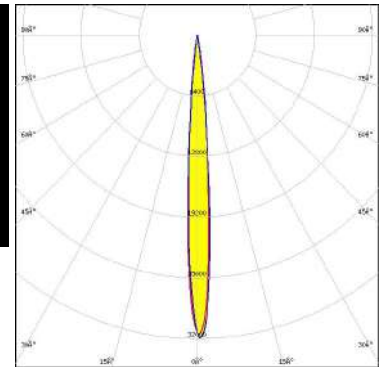
LED CLU7A2/7A3
FWHM / FWTM 9.0° / 17.0°
Efficiency 94 %
Peak intensity 26 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

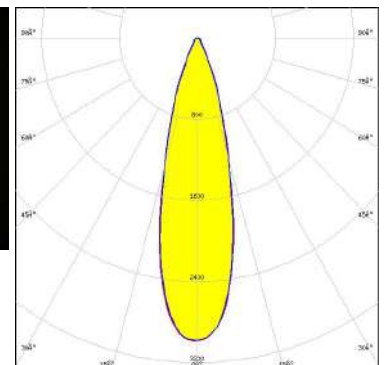
LED CLU7B2
FWHM / FWTM 8.0° / 16.0°
Efficiency 94 %
Peak intensity 32.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



LED LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM 28.0° / 52.0°
Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 637a Hekla

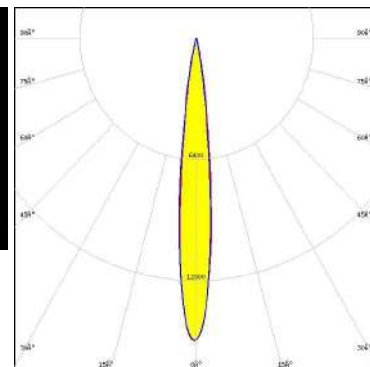


Light distribution files

OPTICAL RESULTS (MEASURED):



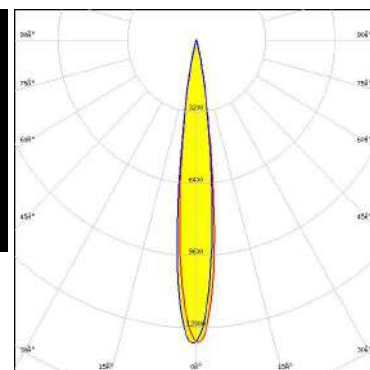
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 94 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



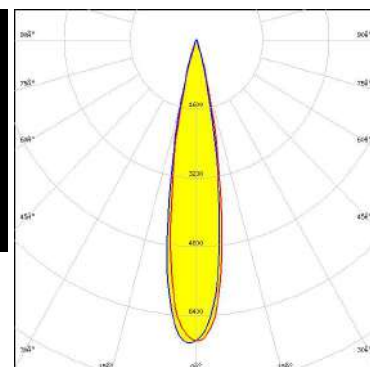
LED LUXEON CX Plus CoB - HD S02H6
 FWHM / FWTM 13.0° / 24.0°
 Efficiency 94 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla



Light distribution files



LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 19.0° / 33.0°
 Efficiency 94 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

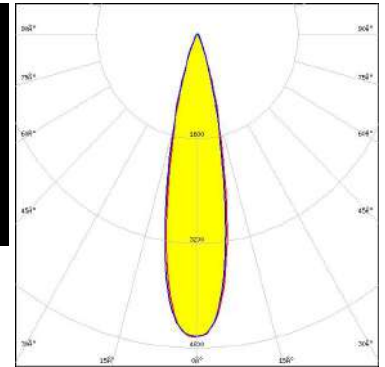


Light distribution files

OPTICAL RESULTS (MEASURED):



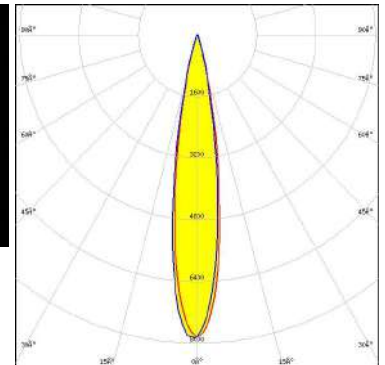
LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 23.0° / 41.0°
 Efficiency 93 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 637a Hekla



Light distribution files



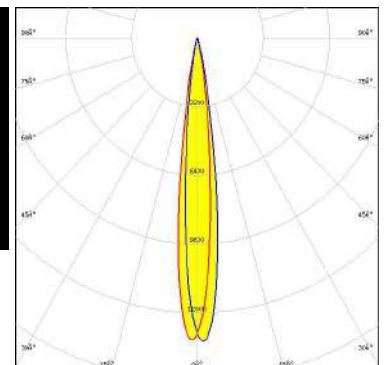
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 17.0° / 32.0°
 Efficiency 93 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 641a Hekla



Light distribution files



LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 93 %
 Peak intensity 14.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

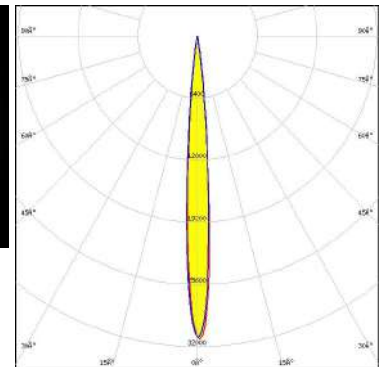


Light distribution files

OPTICAL RESULTS (MEASURED):



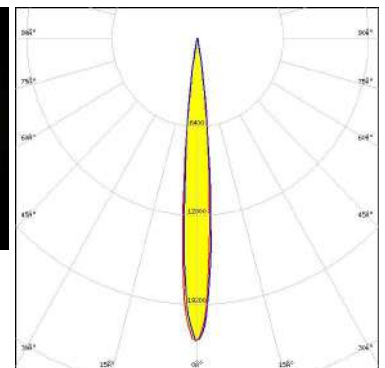
LED CXM-3
FWHM / FWTM 9.0° / 16.0°
Efficiency 94 %
Peak intensity 31.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



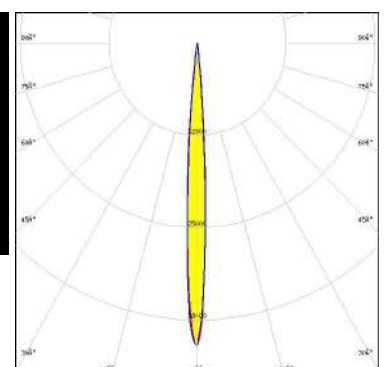
LED CXM-4
FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 21.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files



LED OSTAR Stage (S2WN)
FWHM / FWTM 7.0° / 13.0°
Efficiency 94 %
Peak intensity 42.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I

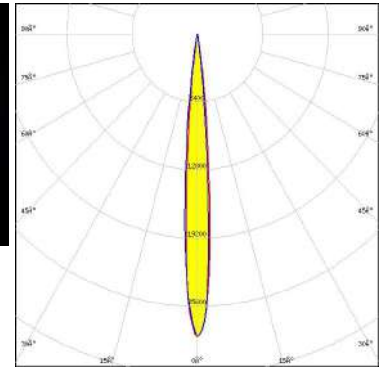


Light distribution files

OPTICAL RESULTS (MEASURED):



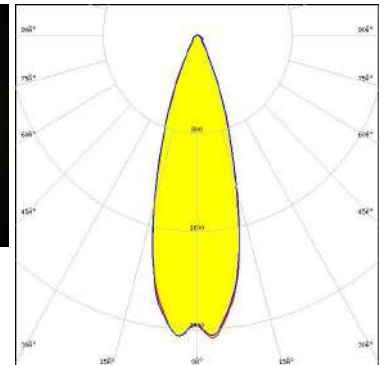
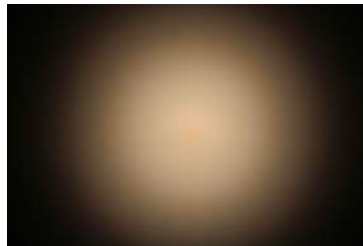
LED OSTAR Stage (S2WP)
 FWHM / FWTM 9.0° / 16.0°
 Efficiency 94 %
 Peak intensity 29.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files



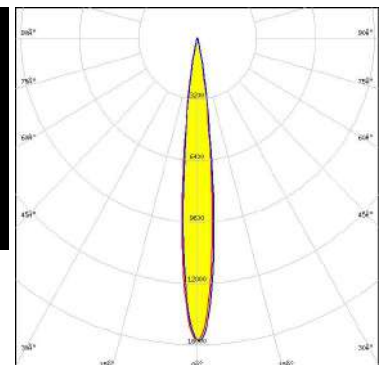
LED MJT COB LES 14.5
 FWHM / FWTM 31.0° / 55.0°
 Efficiency 94 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17438_HEKLA-G2-I



Light distribution files



LED MJT COB LES 6
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 95 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17435_HEKLA-G2-C

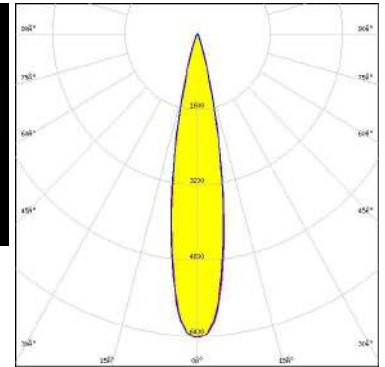


Light distribution files

OPTICAL RESULTS (MEASURED):



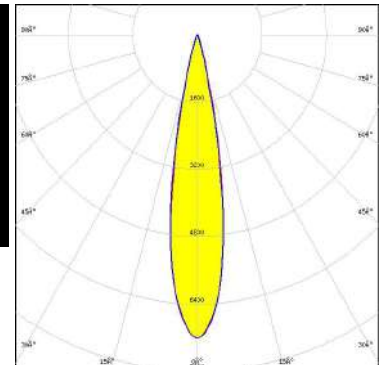
LED MJT COB LES 9.8
FWHM / FWTM 20.0° / 34.0°
Efficiency 95 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C



Light distribution files

TRIDONIC

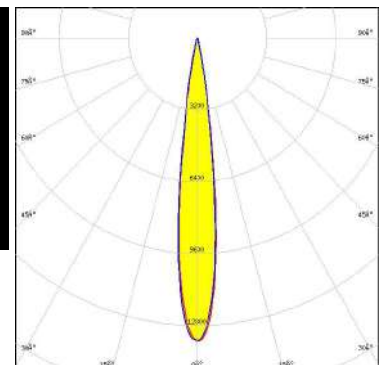
LED SLE G7 LES09
FWHM / FWTM 20.0° / 32.0°
Efficiency 95 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

XICATO

LED XOB06 Gen1
FWHM / FWTM 14.0° / 23.0°
Efficiency 93 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

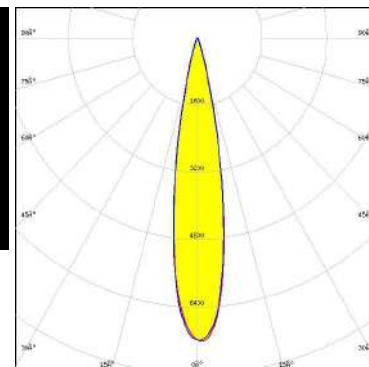


Light distribution files

OPTICAL RESULTS (MEASURED):

XICATO

LED	XOB09 Gen1
FWHM / FWTM	19.0° / 32.0°
Efficiency	94 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
F15255_HEKLA-SOCKET-C	

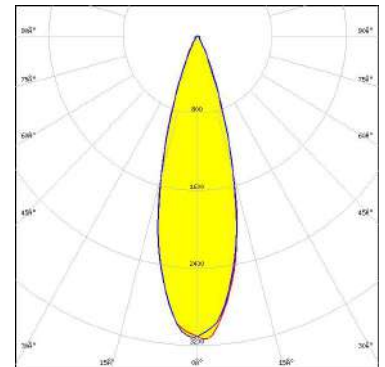


Light distribution files

OPTICAL RESULTS (SIMULATED):



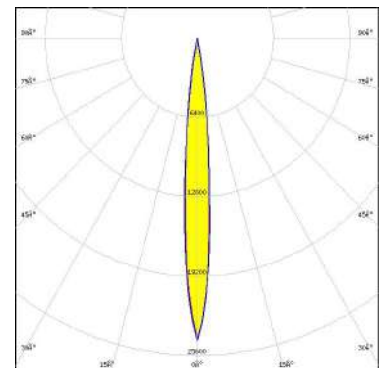
LED V13 Gen 8-9
FWHM / FWTM 30.0° / 50.0°
Efficiency 93 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files



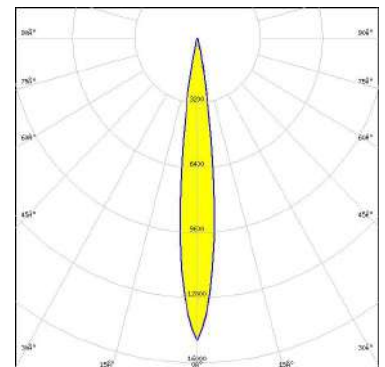
LED V4 HD Gen 7
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 24.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15253_HEKLA-SOCKET-A



Light distribution files



LED V6 HD Gen 7
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
Peak intensity 14.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

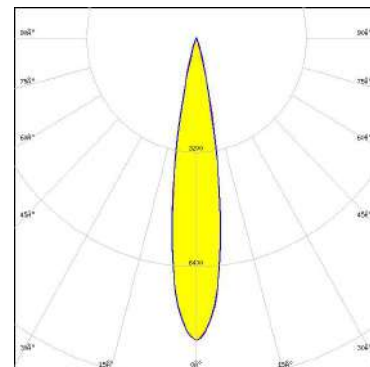
OPTICAL RESULTS (SIMULATED):



LED V9 HD Gen7
FWHM / FWTM 18.0° / 30.0°
Efficiency 94 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15859_HEKLA-SOCKET-I

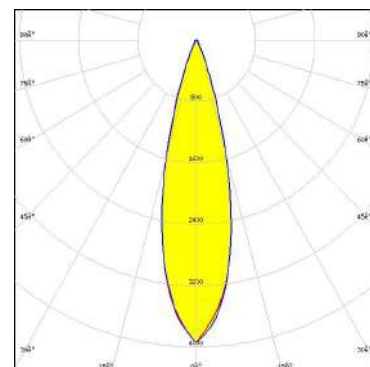


Light distribution files



LED Vero SE 10
FWHM / FWTM 16.0° / 34.0°
Efficiency 94 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



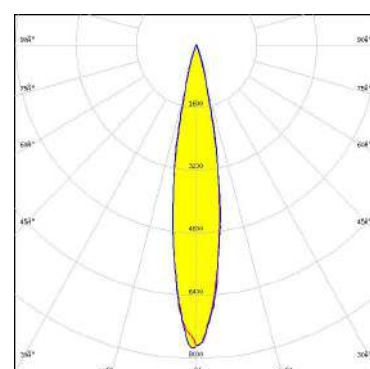
Light distribution files

CITIZEN

LED CLU02x (LES10)
FWHM / FWTM 18.0° / 33.0°
Efficiency 92 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15255_HEKLA-SOCKET-C

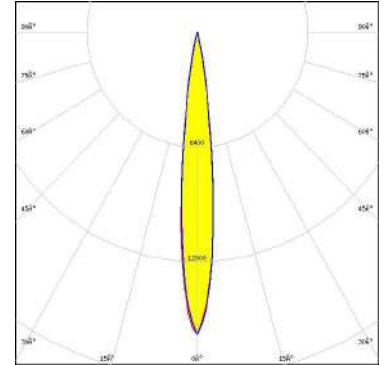


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

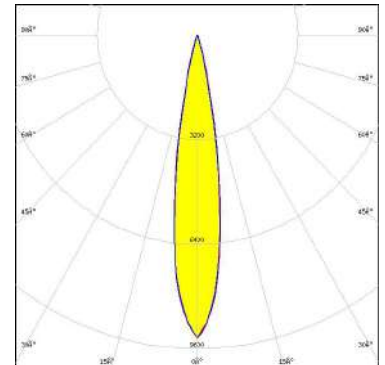
LED CLU700/701/702/703
FWHM / FWTM 12.0° / 23.0°
Efficiency 94 %
Peak intensity 16.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

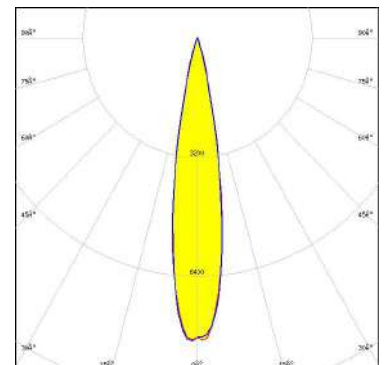
LED CLU710/711
FWHM / FWTM 17.0° / 30.0°
Efficiency 92 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15859_HEKLA-SOCKET-I



Light distribution files

CITIZEN

LED CLU712/713
FWHM / FWTM 18.0° / 31.0°
Efficiency 94 %
Peak intensity 8.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I

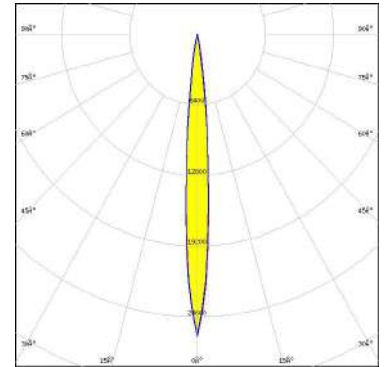


Light distribution files

OPTICAL RESULTS (SIMULATED):



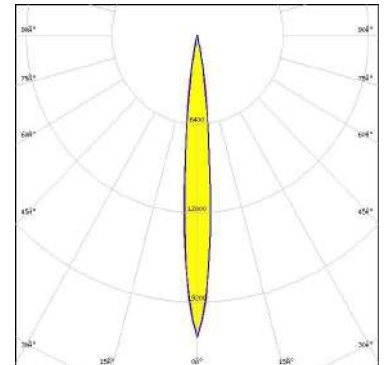
LED: CHA0304
FWHM / FWTM: 9.0° / 18.0°
Efficiency: 95 %
Peak intensity: 27.4 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F17435_HEKLA-G2-C



Light distribution files



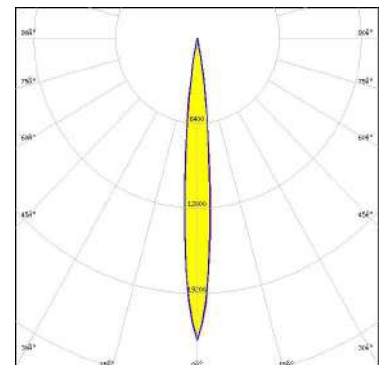
LED: CHA0410
FWHM / FWTM: 10.0° / 20.0°
Efficiency: 95 %
Peak intensity: 21.8 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F17435_HEKLA-G2-C



Light distribution files



LED: CMA1303
FWHM / FWTM: 10.0° / 20.0°
Efficiency: 95 %
Peak intensity: 22.8 cd/lm
LEDs/each optic: 1
Light colour/type: White
Required components:
F17439_HEKLA-G2-J

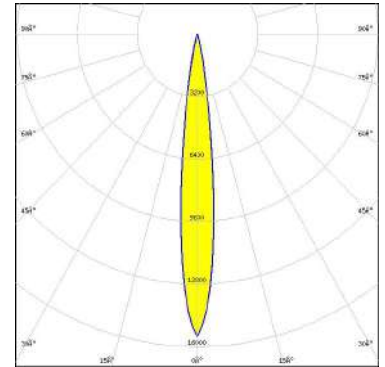


Light distribution files

OPTICAL RESULTS (SIMULATED):



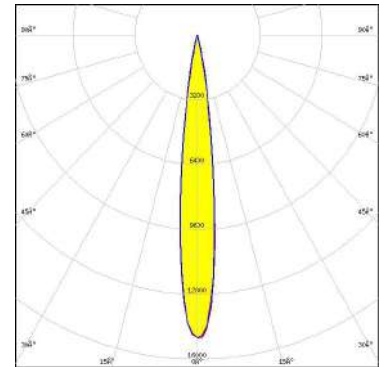
LED CMA1306
FWHM / FWTM 12.0° / 24.0°
Efficiency 95 %
Peak intensity 15.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15956_HEKLA-SOCKET-J



Light distribution files



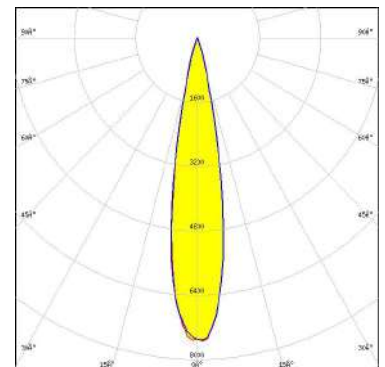
LED CXA/B 13xx
FWHM / FWTM 13.0° / 24.0°
Efficiency 93 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15956_HEKLA-SOCKET-J



Light distribution files



LED CXA/B 15xx
FWHM / FWTM 19.0° / 32.0°
Efficiency 93 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15256_HEKLA-SOCKET-D

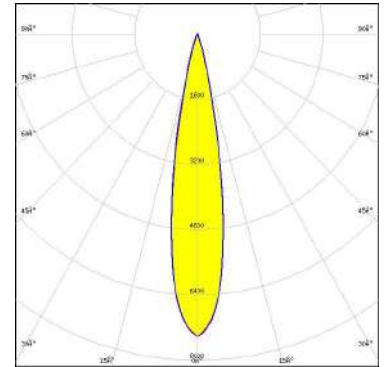


Light distribution files

OPTICAL RESULTS (SIMULATED):



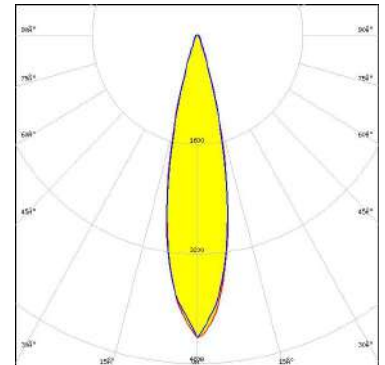
LED CXA/B 15xx
 FWHM / FWTM 20.0° / 32.0°
 Efficiency 92 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17436_HEKLA-G2-D



Light distribution files



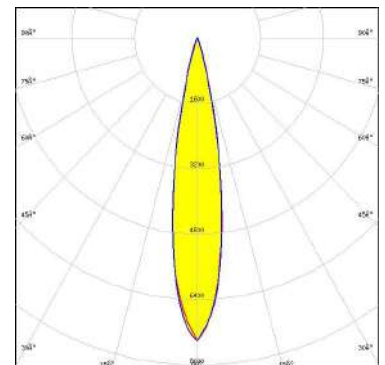
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM / FWTM 23.0° / 40.0°
 Efficiency 93 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED LUXEON CoB 1202/1203
 FWHM / FWTM 18.0° / 33.0°
 Efficiency 93 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H



Light distribution files

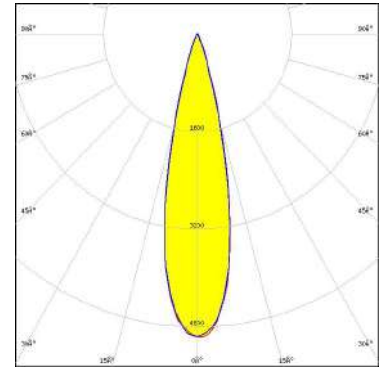


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OPTICAL RESULTS (SIMULATED):



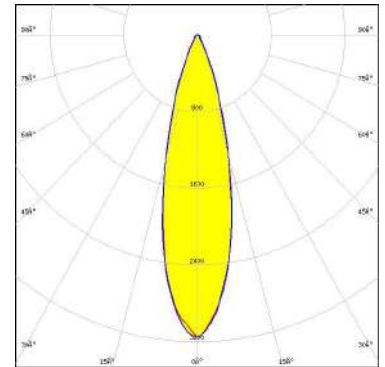
LED LUXEON CoB 1205HD
 FWHM / FWTM 24.0° / 39.0°
 Efficiency 94 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F17437_HEKLA-G2-H



Light distribution files



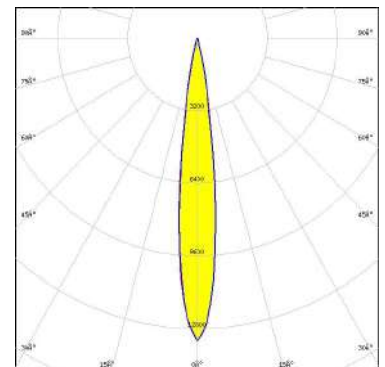
LED LUXEON CoB 1208
 FWHM / FWTM 27.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K



Light distribution files



LED CxM-6 (13.5x13.5)
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 94 %
 Peak intensity 13.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

Required components:



Required components:

Required components:

20/24

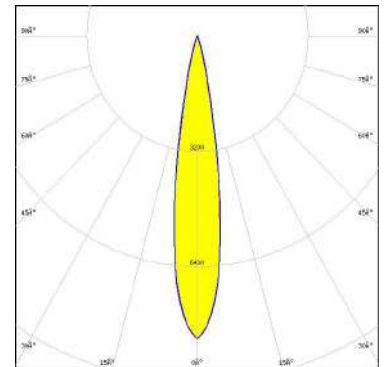
OPTICAL RESULTS (SIMULATED):



LED NFSWE11A
FWHM / FWTM 18.0° / 30.0°
Efficiency 88 %
Peak intensity 8.4 cd/lm
LEDs/each optic 30
Light colour/type White

Required components:

C16142_HEKLA-SOCKET-K



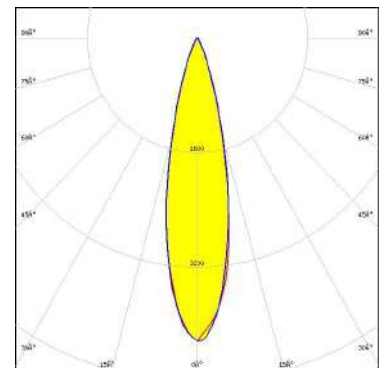
Light distribution files



LED Fortimo SLM L13 CoB
FWHM / FWTM 24.0° / 44.0°
Efficiency 93 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Bender Wirth: 632a Hekla XL



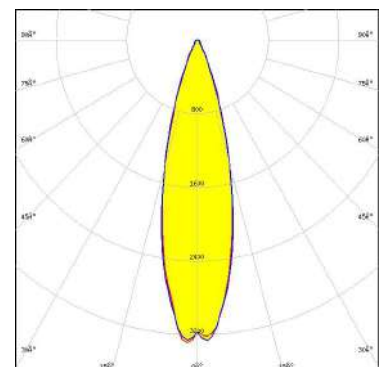
Light distribution files



LED Fortimo SLM L15 1919 CoB
FWHM / FWTM 28.0° / 50.0°
Efficiency 93 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F17438_HEKLA-G2-I



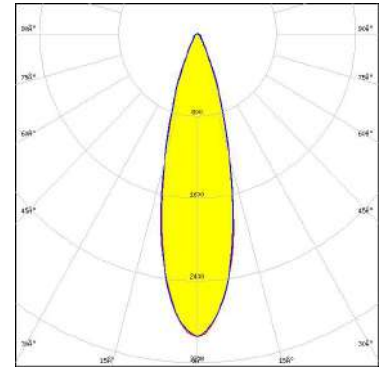
Light distribution files

OPTICAL RESULTS (SIMULATED):

PHILIPS

LED	Fortimo SLM L15 CoB
FWHM / FWTM	28.0° / 52.0°
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 632a Hekla XL

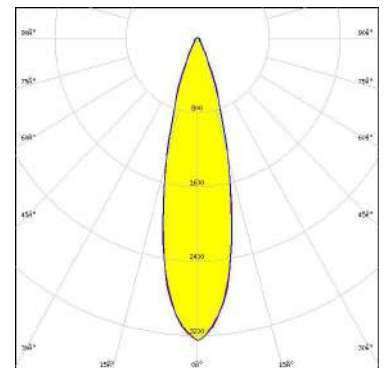


Light distribution files

PHILIPS

LED	Fortimo SLM L15 CoB
FWHM / FWTM	26.0° / 50.0°
Efficiency	93 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Bender Wirth: 632a Hekla XL

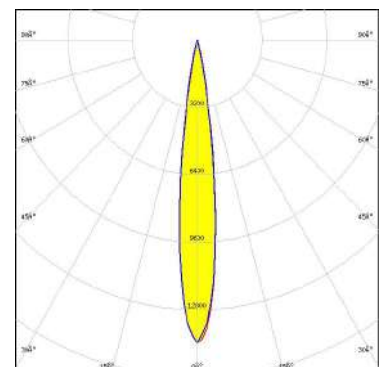


Light distribution files

SAMSUNG

LED	LC010C
FWHM / FWTM	14.0° / 24.0°
Efficiency	94 %
Peak intensity	14.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

F15848_HEKLA-SOCKET-G

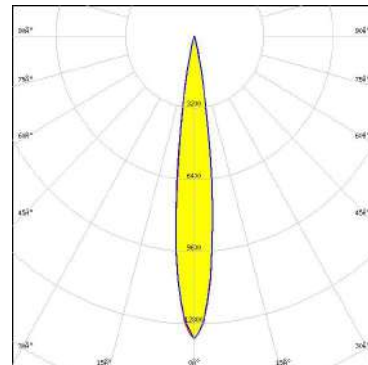


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020C
FWHM / FWTM 14.0° / 24.0°
Efficiency 94 %
Peak intensity 13.5 cd/lm
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.

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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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