

ILONA-RS

~10° spot beam

TECHNICAL SPECIFICATIONS:

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

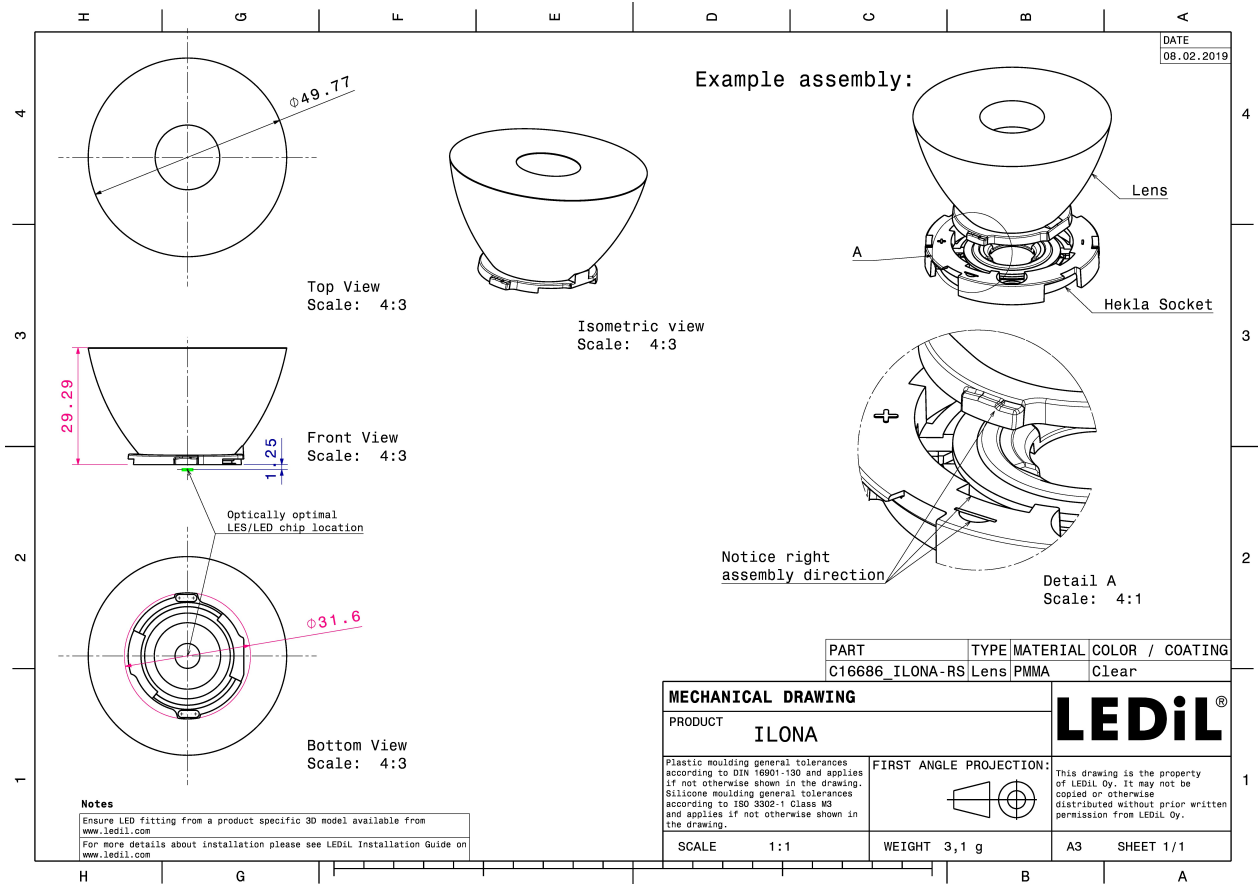
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
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



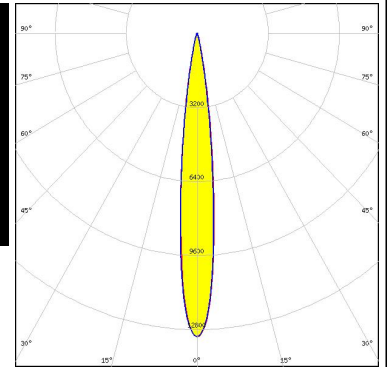


See also our general installation guide: www.ledil.com/installation_guide

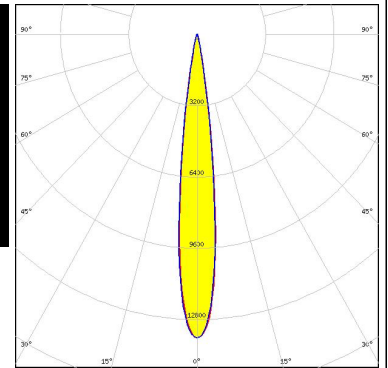
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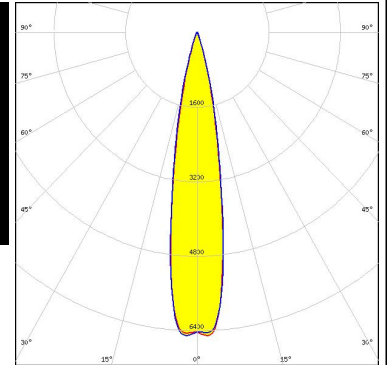
LED V6 HD
FWHM / FWTM 13.0° / 24.0°
Efficiency 94 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



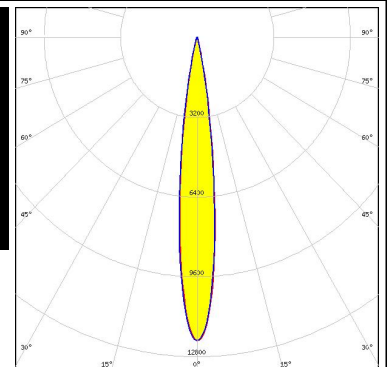
LED V6 HD
FWHM / FWTM 14.0° / 23.0°
Efficiency 95 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



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 White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 490 Typ L8



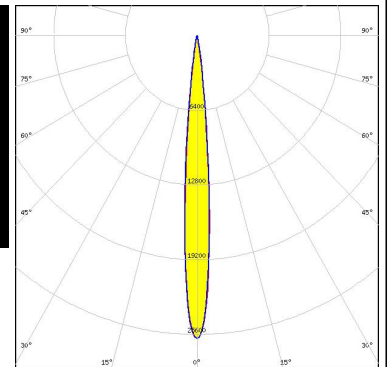
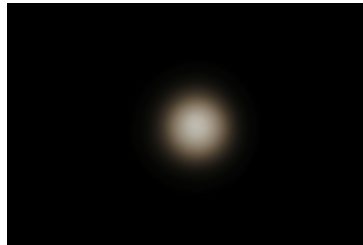
LED Vesta TW 6mm DP
FWHM / FWTM 14.0° / 25.0°
Efficiency 91 %
Peak intensity 12.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 504 Typ L8



PHOTOMETRIC DATA (MEASURED):

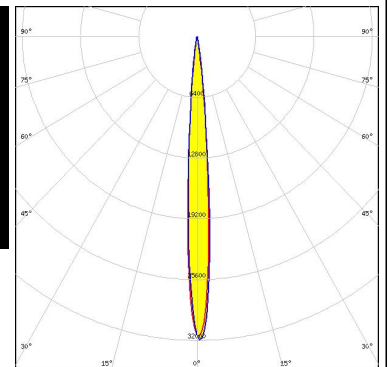
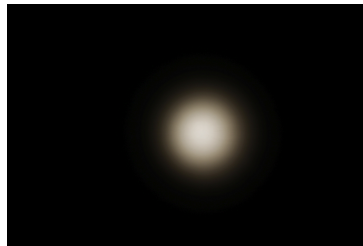
CITIZEN

LED CLU7A2 (LES 4.2mm)
FWHM / FWTM 9.0° / 17.0°
Efficiency 94 %
Peak intensity 26 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



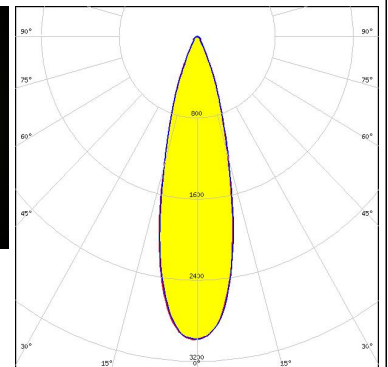
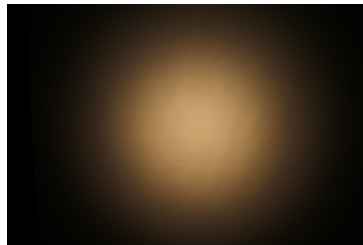
CITIZEN

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



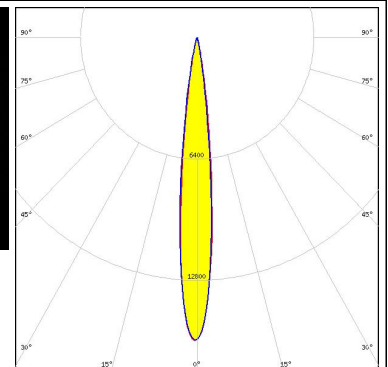
LUMILEDS

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 White
Required components:
Bender Wirth: 637a Hekla



LUMILEDS

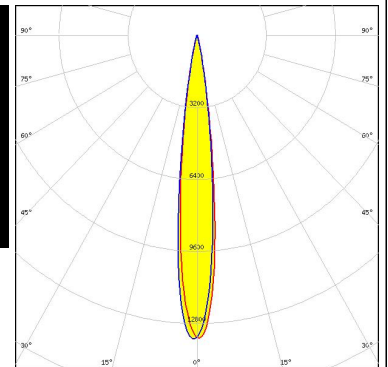
LED LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM 12.0° / 22.0°
Efficiency 94 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



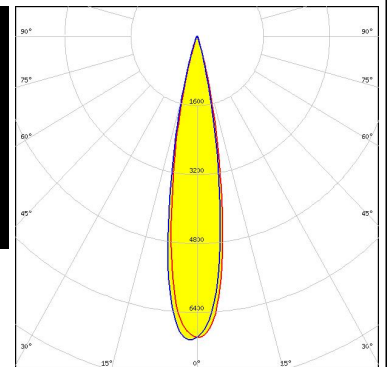
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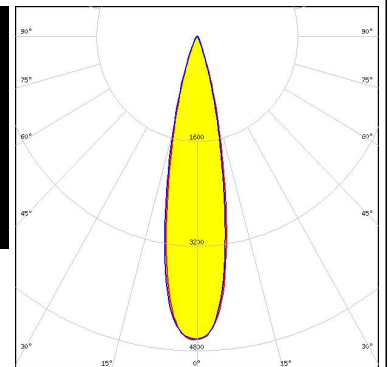
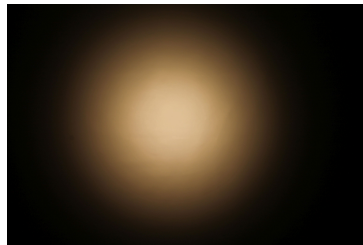
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6
 FWHM / FWTM 13.0° / 24.0°
 Efficiency 94 %
 Peak intensity 13.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



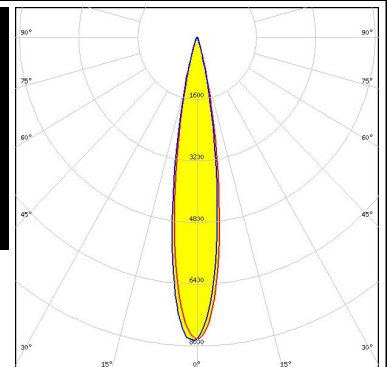
LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 19.0° / 33.0°
 Efficiency 94 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



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 White
 Required components:
 Bender Wirth: 637a Hekla



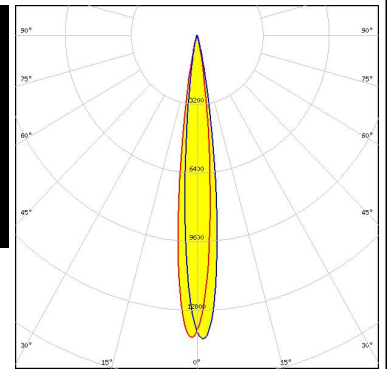
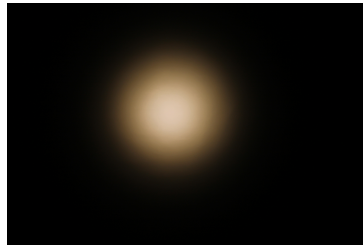
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 17.0° / 32.0°
 Efficiency 93 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 641a Hekla



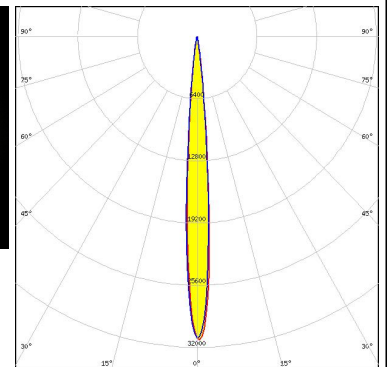
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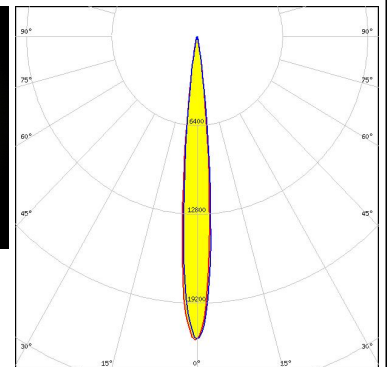
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 93 %
 Peak intensity 14.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



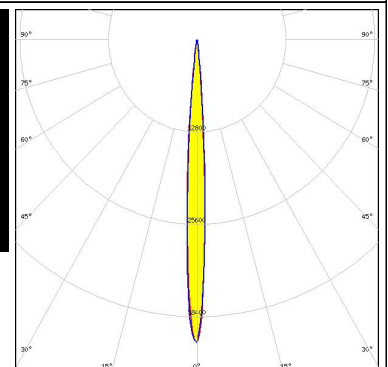
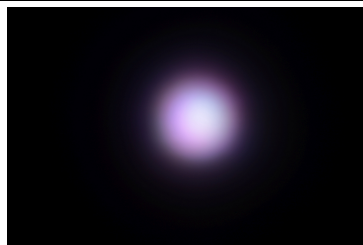
LED CXM-3
 FWHM / FWTM 9.0° / 16.0°
 Efficiency 94 %
 Peak intensity 31.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



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



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

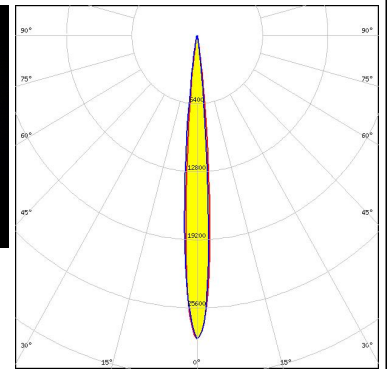
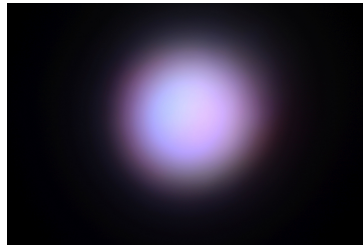


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

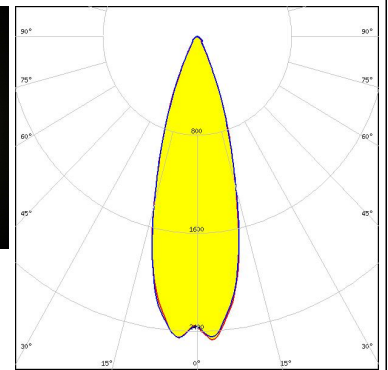
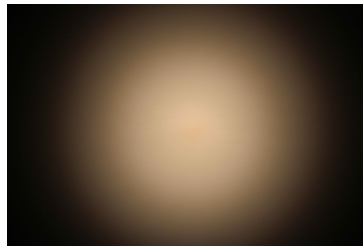
LED OSTAR Stage (S2WP)
 FWHM / FWTM 9.0° / 16.0°
 Efficiency 94 %
 Peak intensity 29.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



SEOUL

SEOUL SEMICONDUCTOR

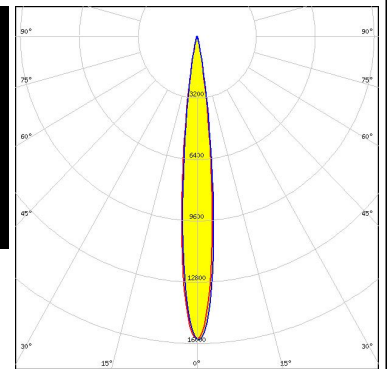
LED MJT COB LES 14.5
 FWHM / FWTM 31.0° / 55.0°
 Efficiency 94 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



SEOUL

SEOUL SEMICONDUCTOR

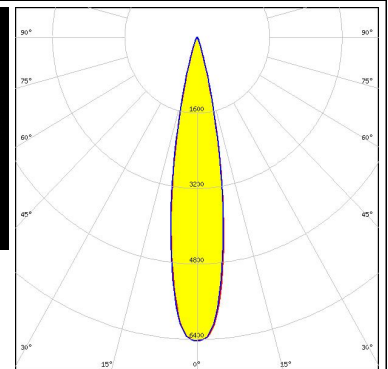
LED MJT COB LES 6
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 95 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



SEOUL

SEOUL SEMICONDUCTOR

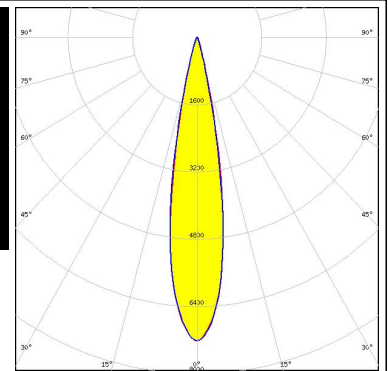
LED MJT COB LES 9.8
 FWHM / FWTM 20.0° / 34.0°
 Efficiency 95 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

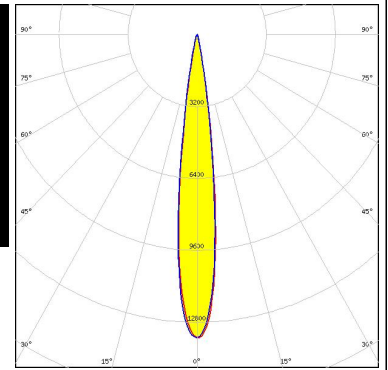
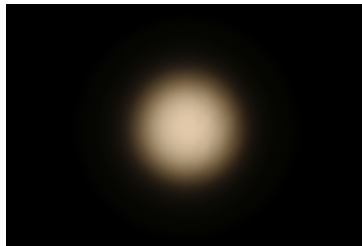
TRIDONIC

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



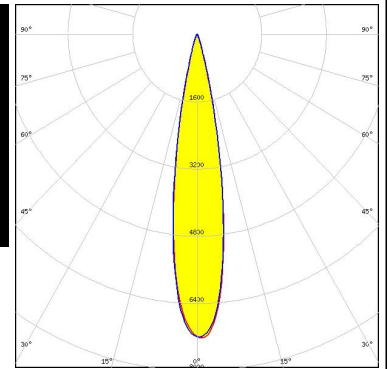
XICATO

LED XOB 6 mm
FWHM / FWTM 14.0° / 23.0°
Efficiency 93 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



XICATO

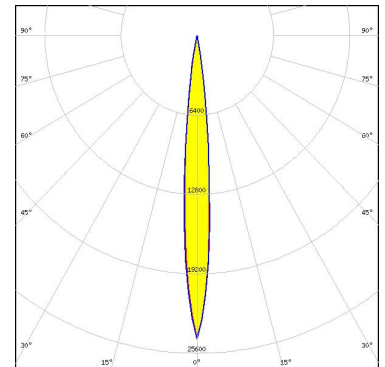
LED XOB 9.8 mm
FWHM / FWTM 19.0° / 32.0°
Efficiency 94 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



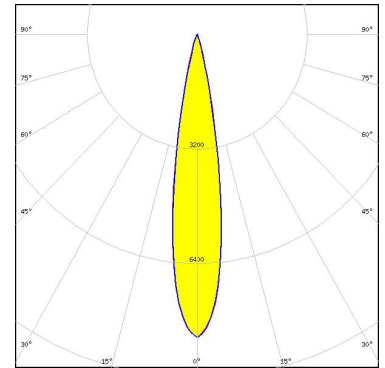
PHOTOMETRIC DATA (SIMULATED):



LED V4 HD
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 24.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
FP15490_HEKLA-A



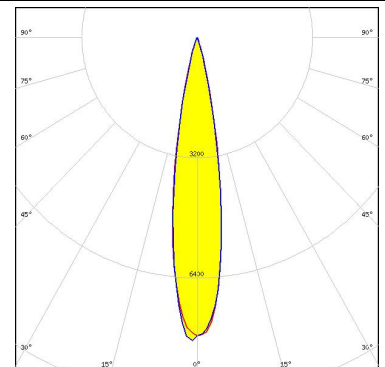
LED V9 HD
FWHM / FWTM 18.0° / 30.0°
Efficiency 94 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



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

CITIZEN

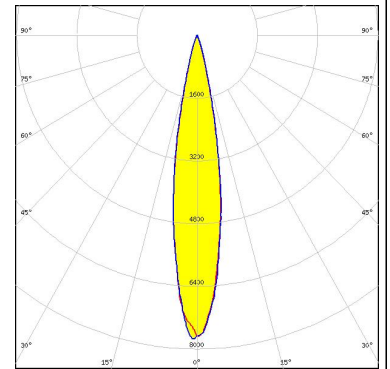
LED CLL02x/CLU02x (LES10)
FWHM / FWTM 18.0° / 32.0°
Efficiency 93 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
FP15501_HEKLA-C



PHOTOMETRIC DATA (SIMULATED):

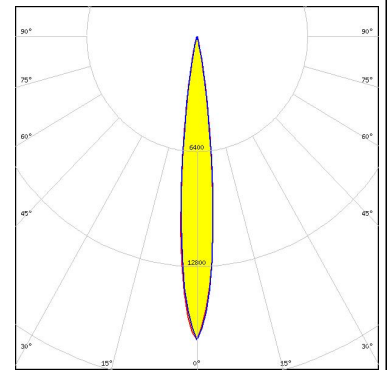
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 18.0° / 33.0°
Efficiency 92 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



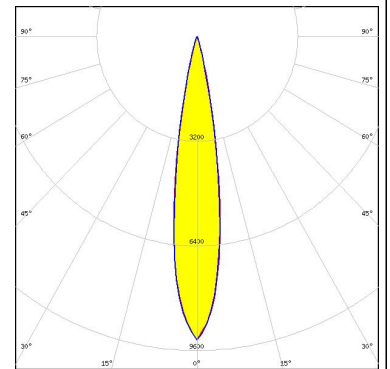
CITIZEN

LED CLU700/701/702
FWHM / FWTM 12.0° / 23.0°
Efficiency 94 %
Peak intensity 16.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
FP15501_HEKLA-C



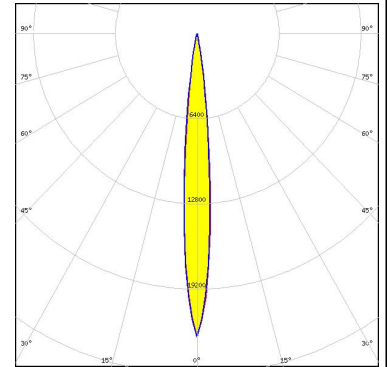
CITIZEN

LED CLU710/711
FWHM / FWTM 17.0° / 30.0°
Efficiency 92 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
FP15949_HEKLA-I



CREE LED

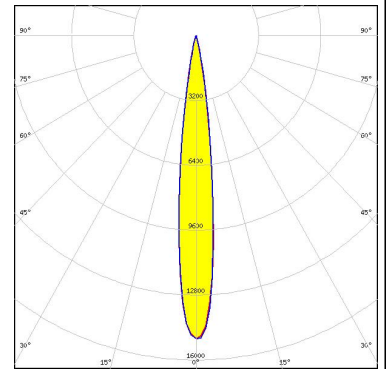
LED CMA1303
FWHM / FWTM 10.0° / 20.0°
Efficiency 95 %
Peak intensity 22.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17439_HEKLA-G2-J



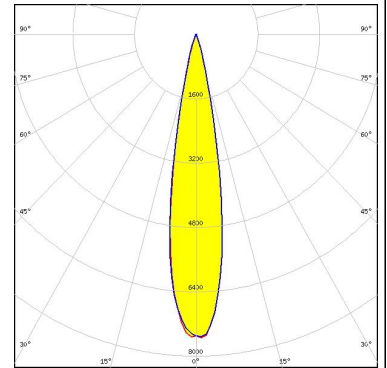
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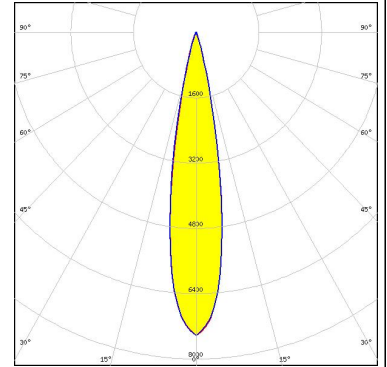
LED CXA/B 13xx
FWHM / FWTM 13.0° / 24.0°
Efficiency 93 %
Peak intensity 15 cd/lm
LEDs/each optic 1
Light colour White
Required components:
FP15957_HEKLA-J



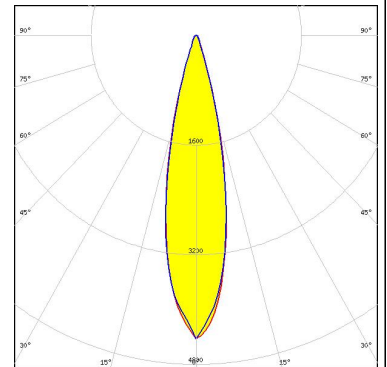
LED CXA/B 15xx
FWHM / FWTM 19.0° / 32.0°
Efficiency 93 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



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



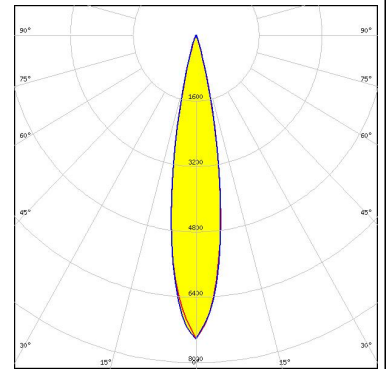
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM / FWTM 23.0° / 40.0°
Efficiency 93 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15254_HEKLA-SOCKET-B



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

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 White
Required components:
F17437_HEKLA-G2-H



LUMILEDS

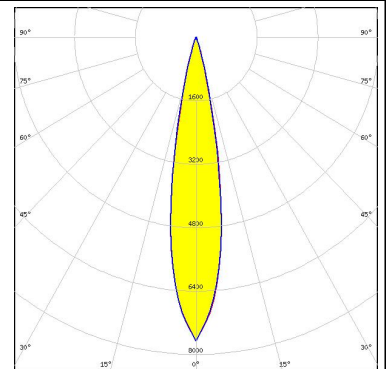
LED LUXEON CoB 1202s
FWHM / FWTM 12.0° / 24.0°
Efficiency 95 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H

LUMILEDS

LED LUXEON CoB 1204/1205
FWHM / FWTM 26.0° / 44.0°
Efficiency 94 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

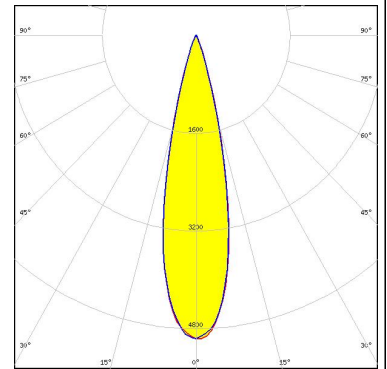
LED LUXEON CoB 1204HD
FWHM / FWTM 20.0° / 32.0°
Efficiency 94 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



PHOTOMETRIC DATA (SIMULATED):

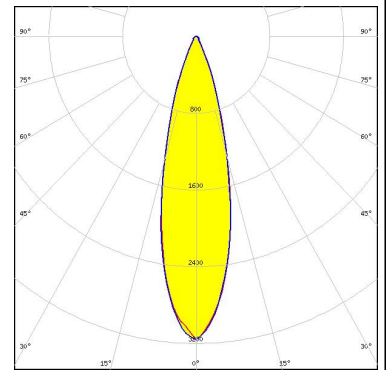
LUMILEDS

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



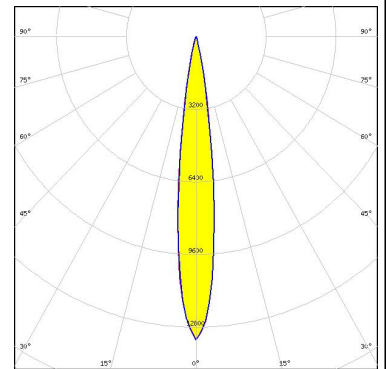
LUMILEDS

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



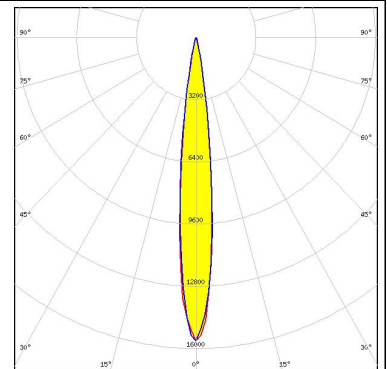
LUMINUS

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



NICHIA

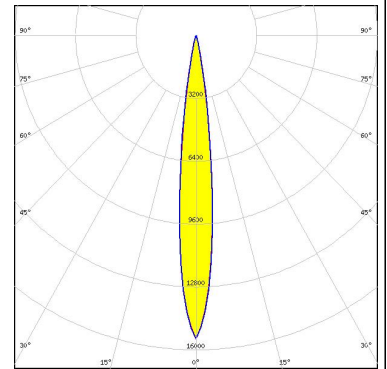
LED COB S-Type (LES 6)
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 93 %
 Peak intensity 15.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



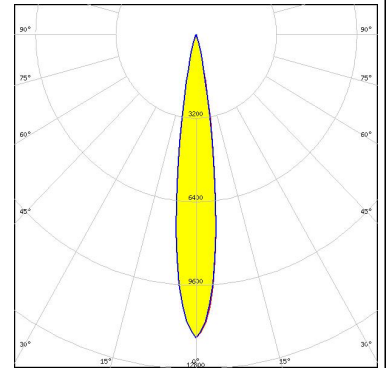
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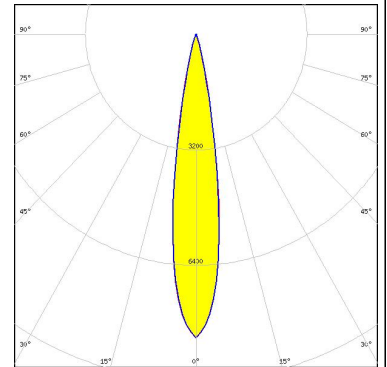
LED COB S-Type (LES 6)
FWHM / FWTM 12.0° / 24.0°
Efficiency 93 %
Peak intensity 15.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



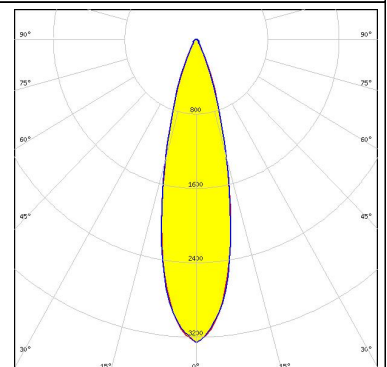
LED COB S-Type (LES 7)
FWHM / FWTM 16.0° / 26.0°
Efficiency 95 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



LED NFSWE11A
FWHM / FWTM 18.0° / 30.0°
Efficiency 88 %
Peak intensity 8.4 cd/lm
LEDs/each optic 30
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



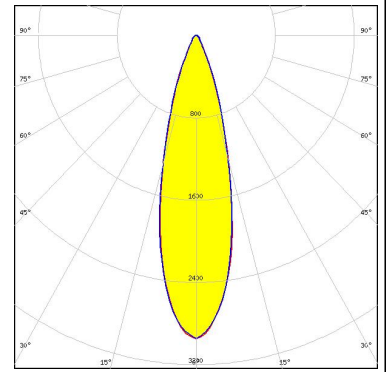
LED Fortimo SLM L15 CoB
FWHM / FWTM 26.0° / 50.0°
Efficiency 93 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 632a Hekla XL



PHOTOMETRIC DATA (SIMULATED):

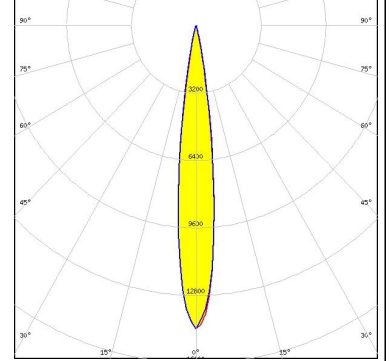
PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 28.0° / 52.0°
Efficiency 92 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 632a Hekla XL



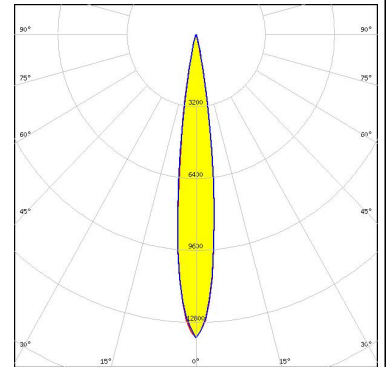
SAMSUNG

LED LC010C
FWHM / FWTM 14.0° / 24.0°
Efficiency 94 %
Peak intensity 14.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
FP15947_HEKLA-G



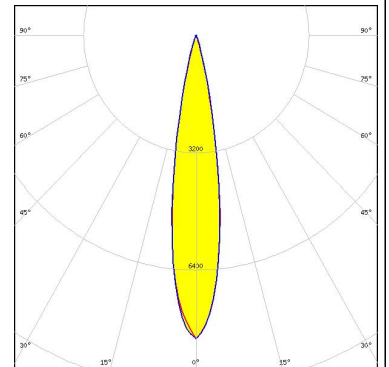
SAMSUNG

LED LC020C
FWHM / FWTM 14.0° / 24.0°
Efficiency 94 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



XICATO

LED XTM - 9mm LES
FWHM / FWTM 18.0° / 32.0°
Efficiency 94 %
Peak intensity 8.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C15743_XTM-ADAPTER-50-B



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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