

ILONA-SS

~14° smooth spot beam

TECHNICAL SPECIFICATIONS:

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

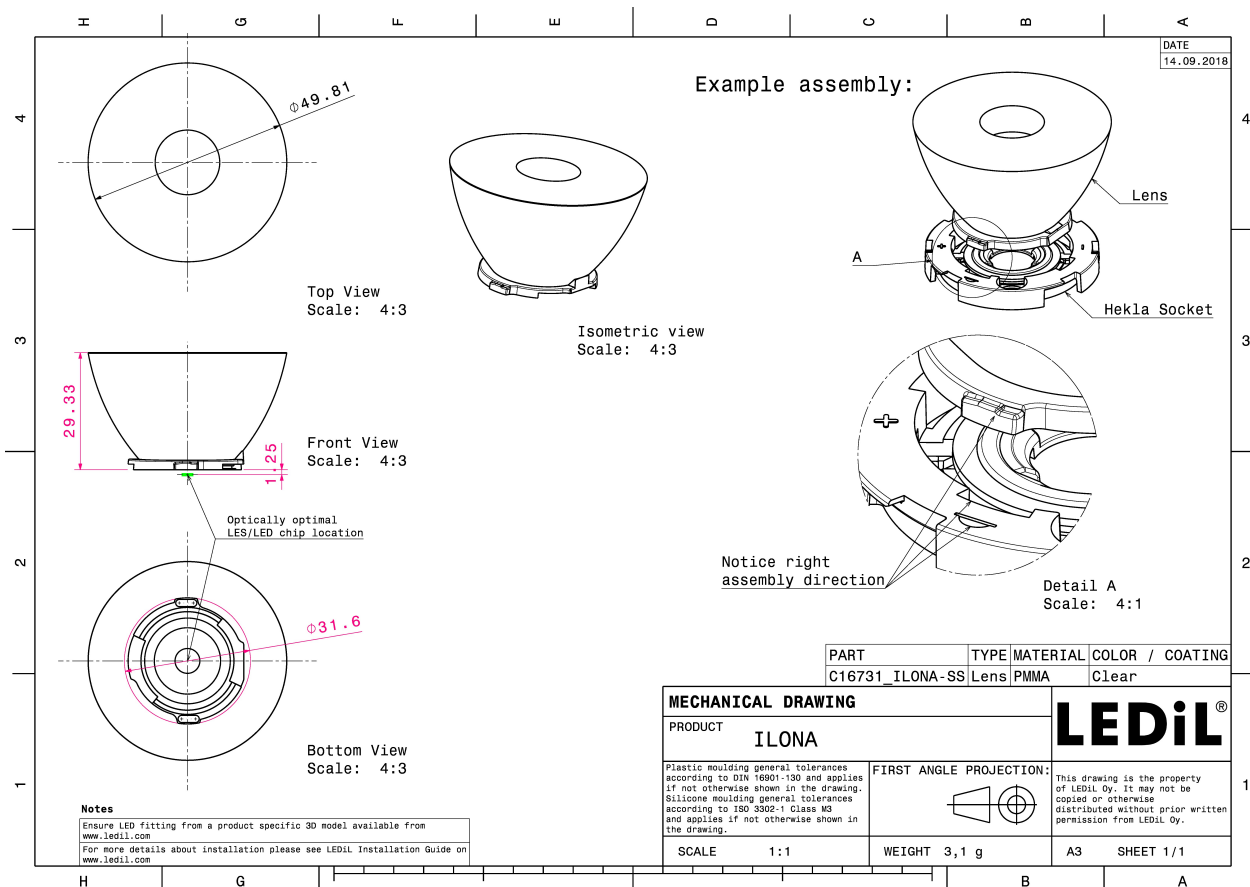
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ILONA-SS	Single lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16731_ILONA-SS » Box size: 480 x 280 x 300 mm	264	99	33	9.7



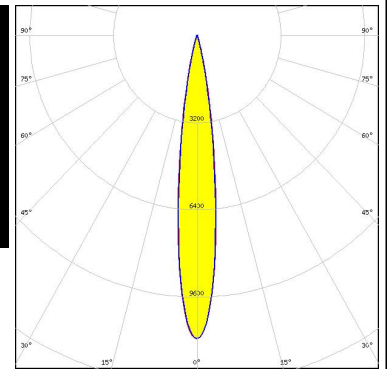
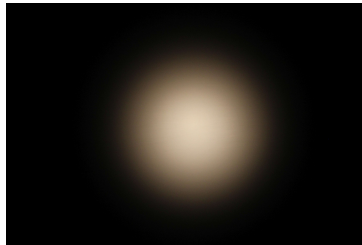


See also our general installation guide: www.ledil.com/installation_guide

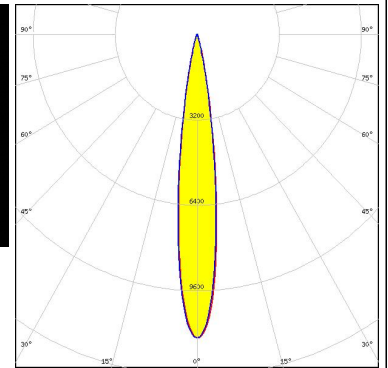
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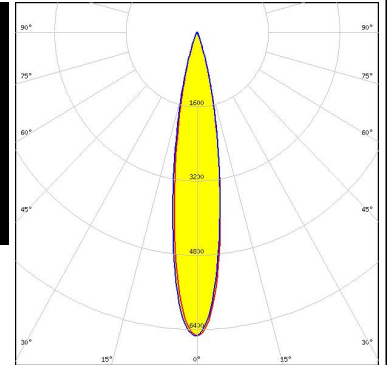
LED V6 HD
FWHM / FWTM 15.0° / 27.0°
Efficiency 95 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



LED V6 HD
FWHM / FWTM 15.0° / 27.0°
Efficiency 96 %
Peak intensity 11.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM 18.0° / 36.0°
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



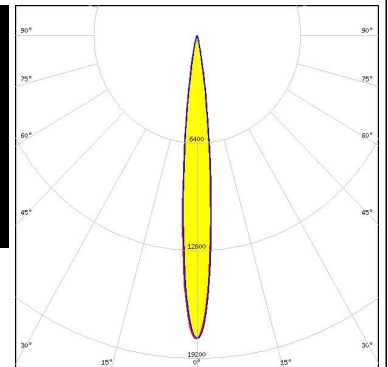
LED Vesta TW 6mm DP
FWHM / FWTM 14.0° / 28.0°
Efficiency 91 %
Peak intensity 10.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 504 Typ L8



PHOTOMETRIC DATA (MEASURED):

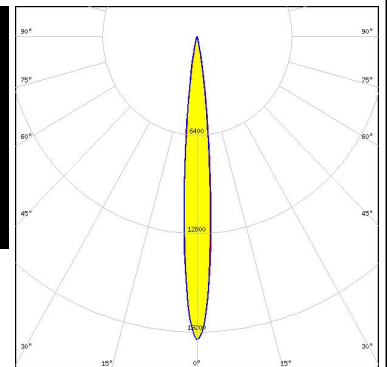
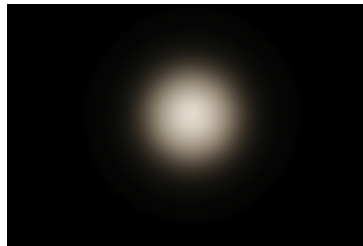
CITIZEN

LED CLU7A2 (LES 4.2mm)
FWHM / FWTM 11.0° / 21.0°
Efficiency 94 %
Peak intensity 18 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



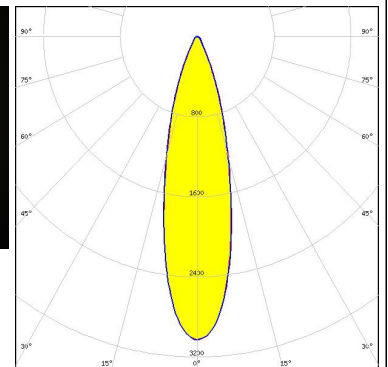
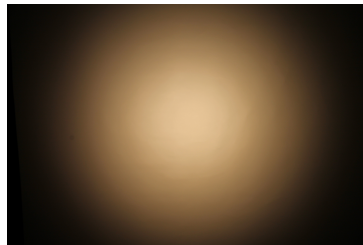
CITIZEN

LED CLU7B2
FWHM / FWTM 10.0° / 20.0°
Efficiency 94 %
Peak intensity 19.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



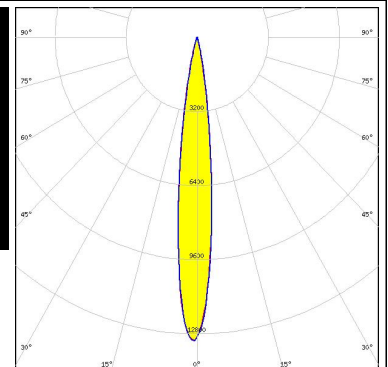
LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM 26.0° / 52.0°
Efficiency 93 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 637a Hekla



LUMILEDS

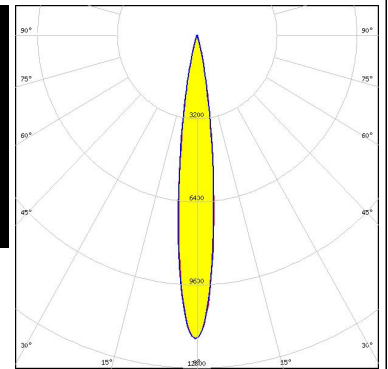
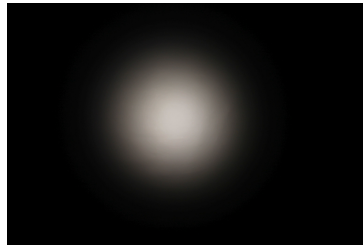
LED LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM 13.0° / 25.0°
Efficiency 95 %
Peak intensity 13.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



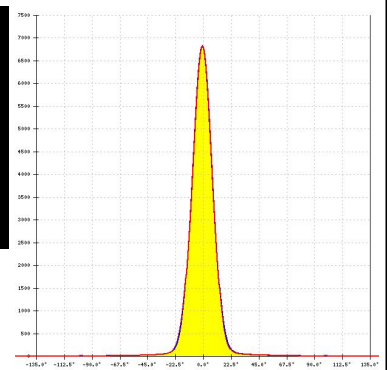
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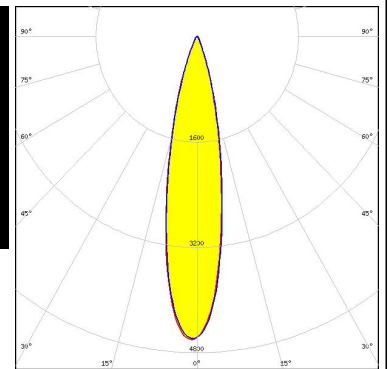
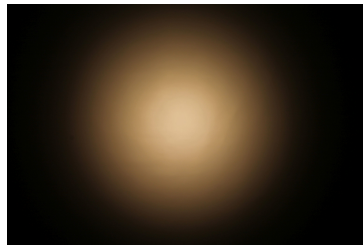
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6
 FWHM / FWTM 14.0° / 27.0°
 Efficiency 94 %
 Peak intensity 11.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



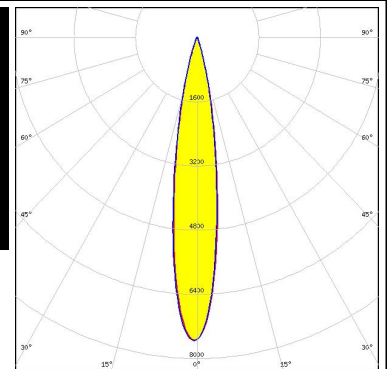
LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 19.0° / 35.0°
 Efficiency 94 %
 Peak intensity 6.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 22.0° / 43.0°
 Efficiency 94 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



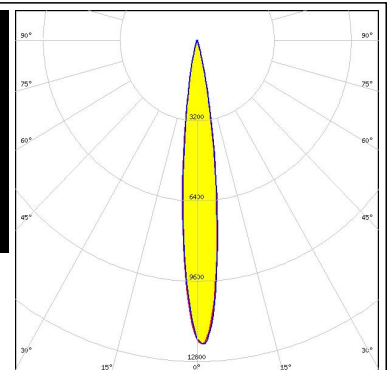
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 17.0° / 33.0°
 Efficiency 94 %
 Peak intensity 7.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 641a Hekla



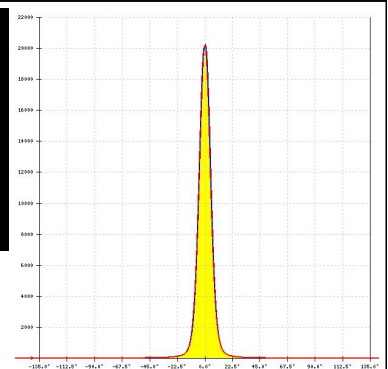
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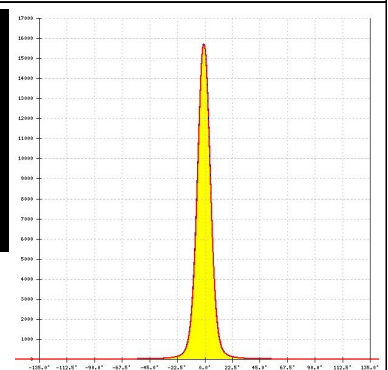
LED LUXEON CX Plus CoB S01 (Gen2)
FWHM / FWTM 13.0° / 26.0°
Efficiency 94 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



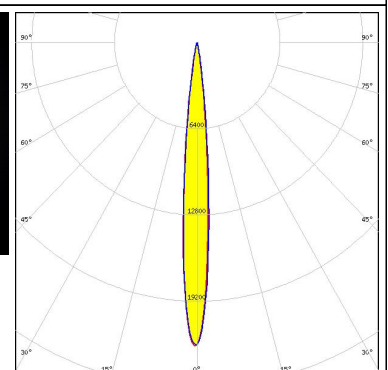
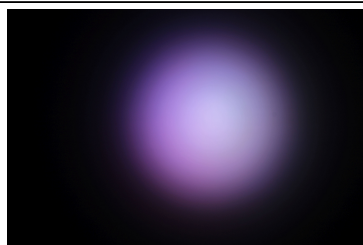
LED CXM-3
FWHM / FWTM 11.0° / 20.0°
Efficiency 94 %
Peak intensity 20.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED CXM-4
FWHM / FWTM 12.0° / 23.0°
Efficiency 94 %
Peak intensity 15.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED OSTAR Stage (S2WN)
FWHM / FWTM 10.0° / 19.0°
Efficiency 94 %
Peak intensity 22.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I

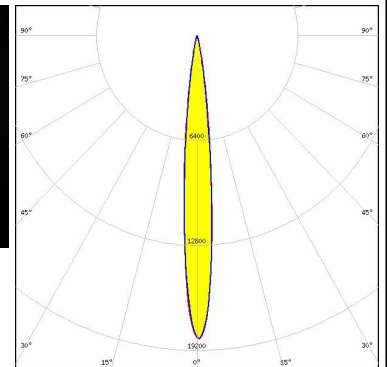


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OSRAM

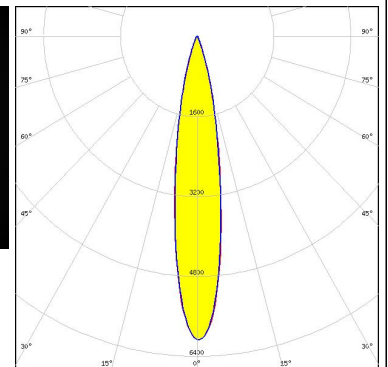
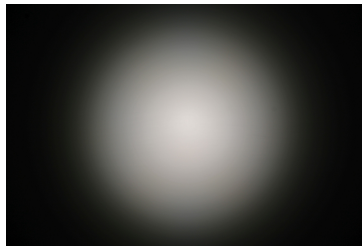
Opto Semiconductors

LED OSTAR Stage (S2WP)
 FWHM / FWTM 11.0° / 21.0°
 Efficiency 94 %
 Peak intensity 18.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



SAMSUNG

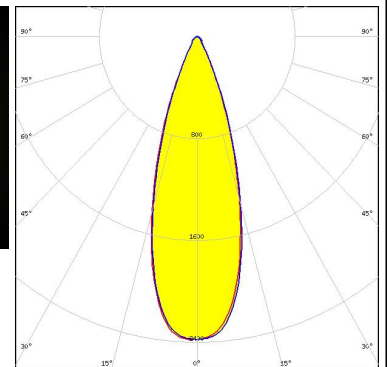
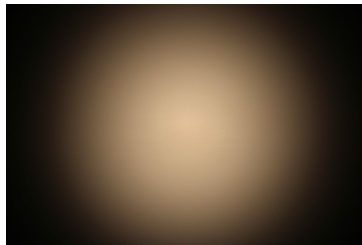
LED LC010T (Tunable White)
 FWHM / FWTM 18.0° / 37.0°
 Efficiency 94 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



SEOUL

SEOUL SEMICONDUCTOR

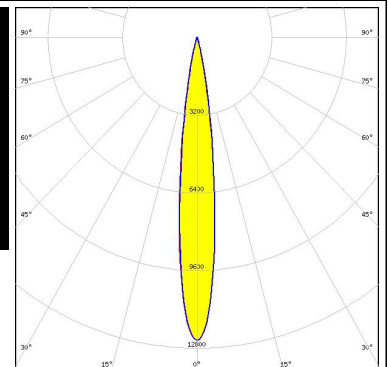
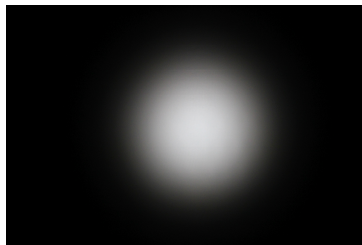
LED MJT COB LES 14.5
 FWHM / FWTM 33.0° / 57.0°
 Efficiency 95 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



SEOUL

SEOUL SEMICONDUCTOR

LED MJT COB LES 6
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 96 %
 Peak intensity 12.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



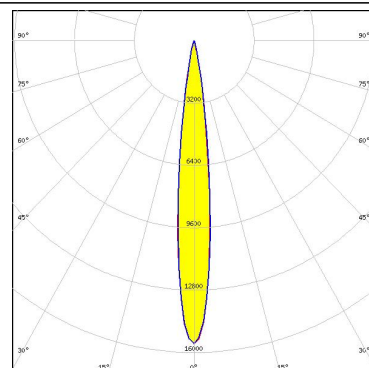
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<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 21.0° / 37.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 5.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p>TRIDONIC</p> <p>LED SLE G7 LES09</p> <p>FWHM / FWTM 18.0° / 34.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>XICATO</p> <p>LED XO6 6 mm</p> <p>FWHM / FWTM 14.0° / 26.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 11.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>XICATO</p> <p>LED XO6 9.8 mm</p> <p>FWHM / FWTM 19.0° / 35.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 6.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

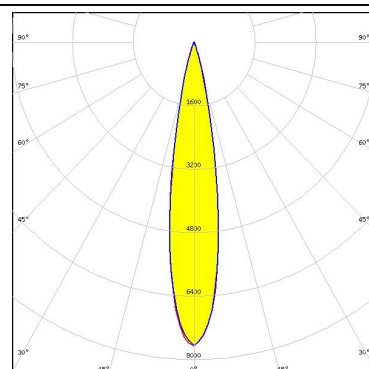
PHOTOMETRIC DATA (SIMULATED):



LED V4 HD
FWHM / FWTM 12.0° / 23.0°
Efficiency 91 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



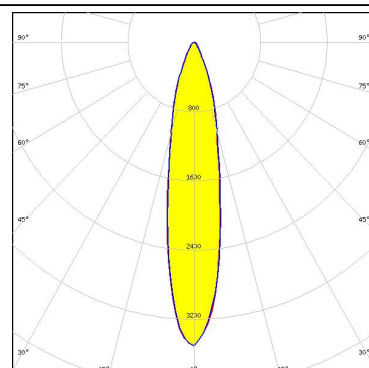
LED V9 HD
FWHM / FWTM 18.0° / 32.0°
Efficiency 94 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



LED Vero SE 10
FWHM / FWTM 18.0° / 36.0°
Efficiency 94 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



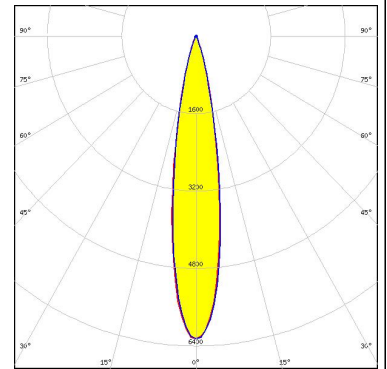
LED Vero SE 13
FWHM / FWTM 20.0° / 50.0°
Efficiency 91 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



PHOTOMETRIC DATA (SIMULATED):

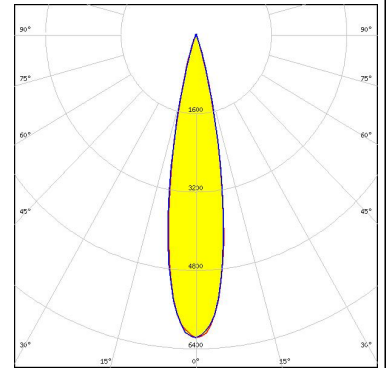


LED Vesta TW 9mm (9W) DP
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 86 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 489 Typ L8



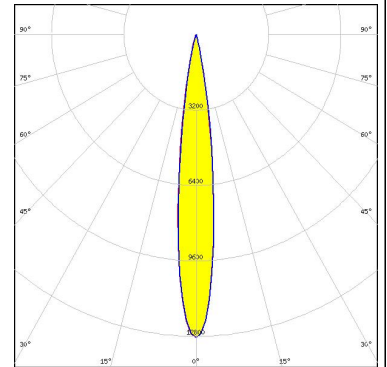
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 21.0° / 35.0°
 Efficiency 87 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

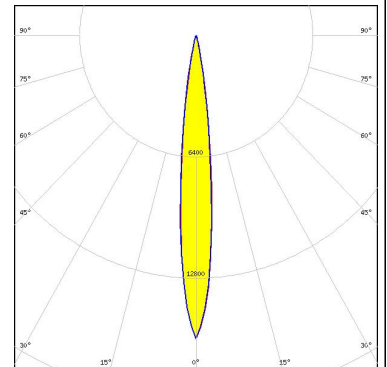


CITIZEN

LED CLU700/701/702
 FWHM / FWTM 14.0° / 25.0°
 Efficiency 91 %
 Peak intensity 12.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



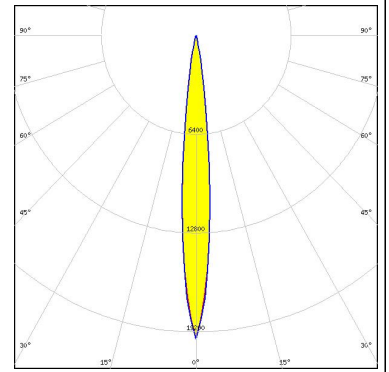
LED CMA1303
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 96 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17439_HEKLA-G2-J



PHOTOMETRIC DATA (SIMULATED):

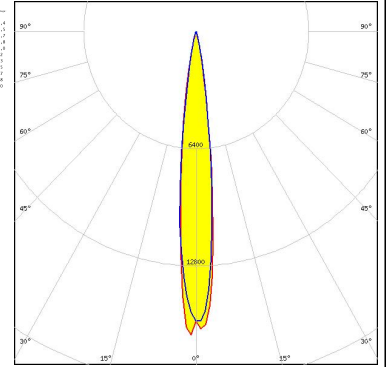
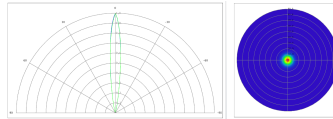
LED ENGIN

LED LZ4-00XX08
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 95 %
 Peak intensity 19.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



LED ENGIN

LED LZ4-00XX08
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 96 %
 LEDs/each optic 1
 Light colour IR
 Required components:
 F15255_HEKLA-SOCKET-C



LUMILEDS

LED LUXEON CoB 1202s
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 96 %
 Peak intensity 12.1 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° / 47.0°
 Efficiency 93 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

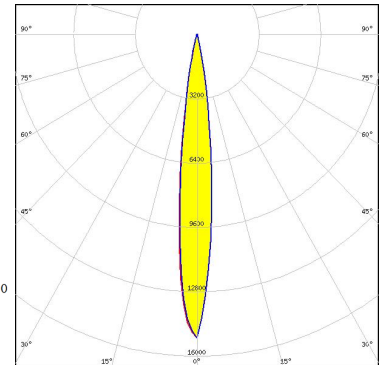
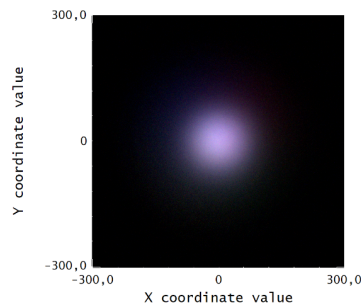
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB 1208
FWHM / FWTM 28.0° / 52.0°
Efficiency 90 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

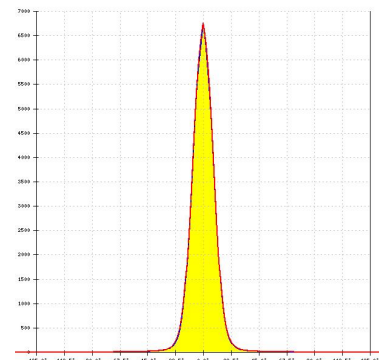
LUMILEDS

LED LUXEON Rubix
FWHM / FWTM 13.0° / 24.0°
Efficiency 95 %
Peak intensity 15.1 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:



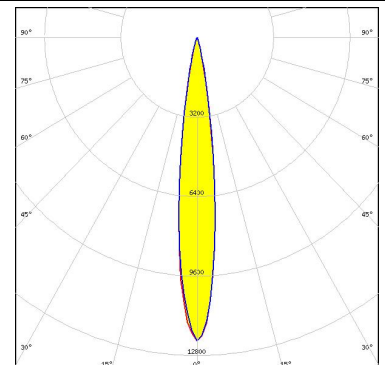
LUMILEDS

LED LUXEON XR-3020
FWHM / FWTM 19.0° / 35.0°
Efficiency 93 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



NICHIA

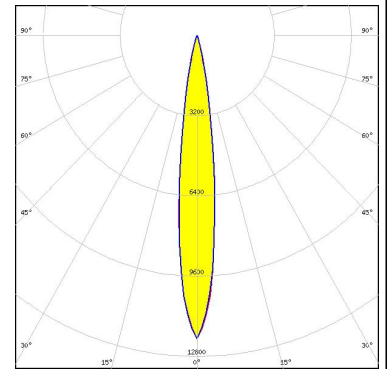
LED COB S-Type (LES 6)
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 12.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



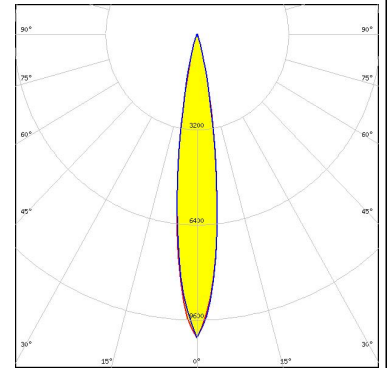
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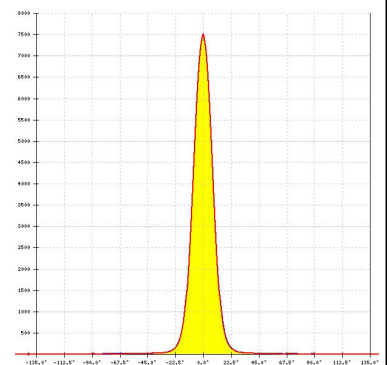
LED COB S-Type (LES 6)
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 93 %
 Peak intensity 12.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



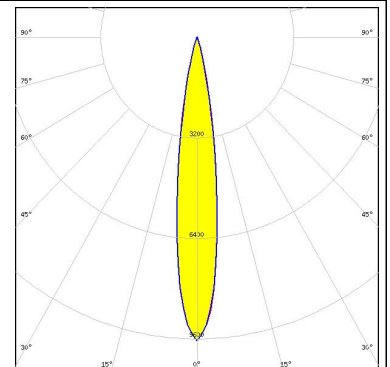
LED COB S-Type (LES 7)
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 95 %
 Peak intensity 10.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



LED NFSWE11A
 FWHM / FWTM 18.0° / 32.0°
 Efficiency 88 %
 Peak intensity 7.5 cd/lm
 LEDs/each optic 30
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



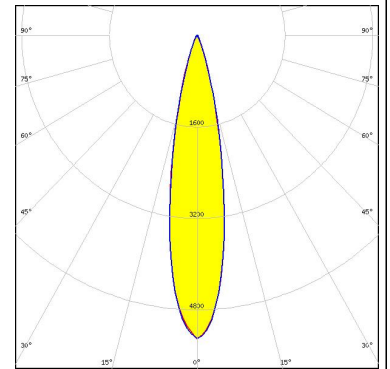
LED NJCWL024Z-V1MT: COB L-Type Tunable White
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 94 %
 Peak intensity 9.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 497 Typ L8



PHOTOMETRIC DATA (SIMULATED):

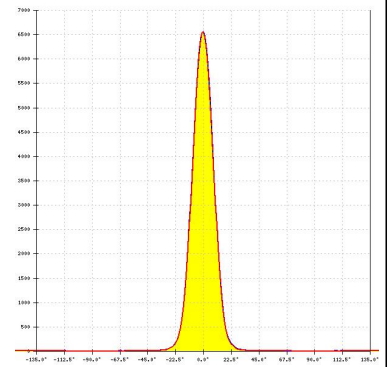


LED NVCWJ024Z-V1MT: COB J-Type Tunable White
 FWHM / FWTM 20.0° / 40.0°
 Efficiency 93 %
 Peak intensity 5.3 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 498 Typ L8



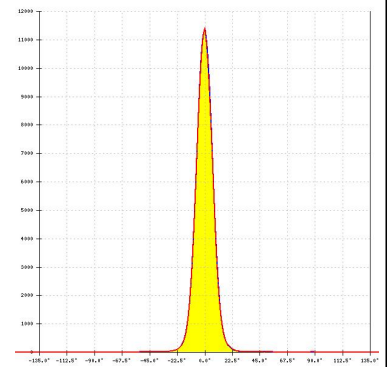
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 19.0° / 34.0°
 Efficiency 87 %
 Peak intensity 6.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



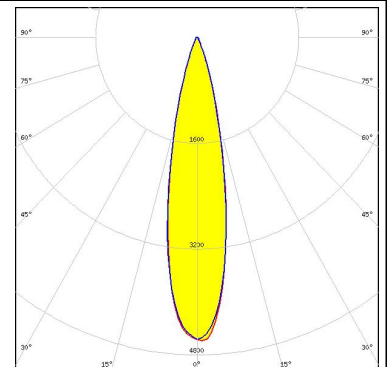
SAMSUNG

LED LC020C
 FWHM / FWTM 14.0° / 28.0°
 Efficiency 94 %
 Peak intensity 11.4 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



SAMSUNG

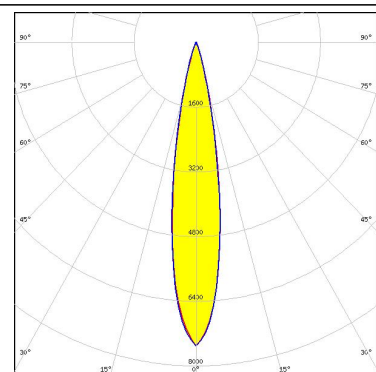
LED LC020T (Tunable white)
 FWHM / FWTM 22.0° / 42.0°
 Efficiency 92 %
 Peak intensity 4.6 cd/Im
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



PHOTOMETRIC DATA (SIMULATED):

XICATO

LED XTM - 9mm LES
FWHM / FWTM 18.0° / 34.0°
Efficiency 94 %
Peak intensity 7.5 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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