

ILONA-SS

~14° smooth spot beam

TECHNICAL SPECIFICATIONS:

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

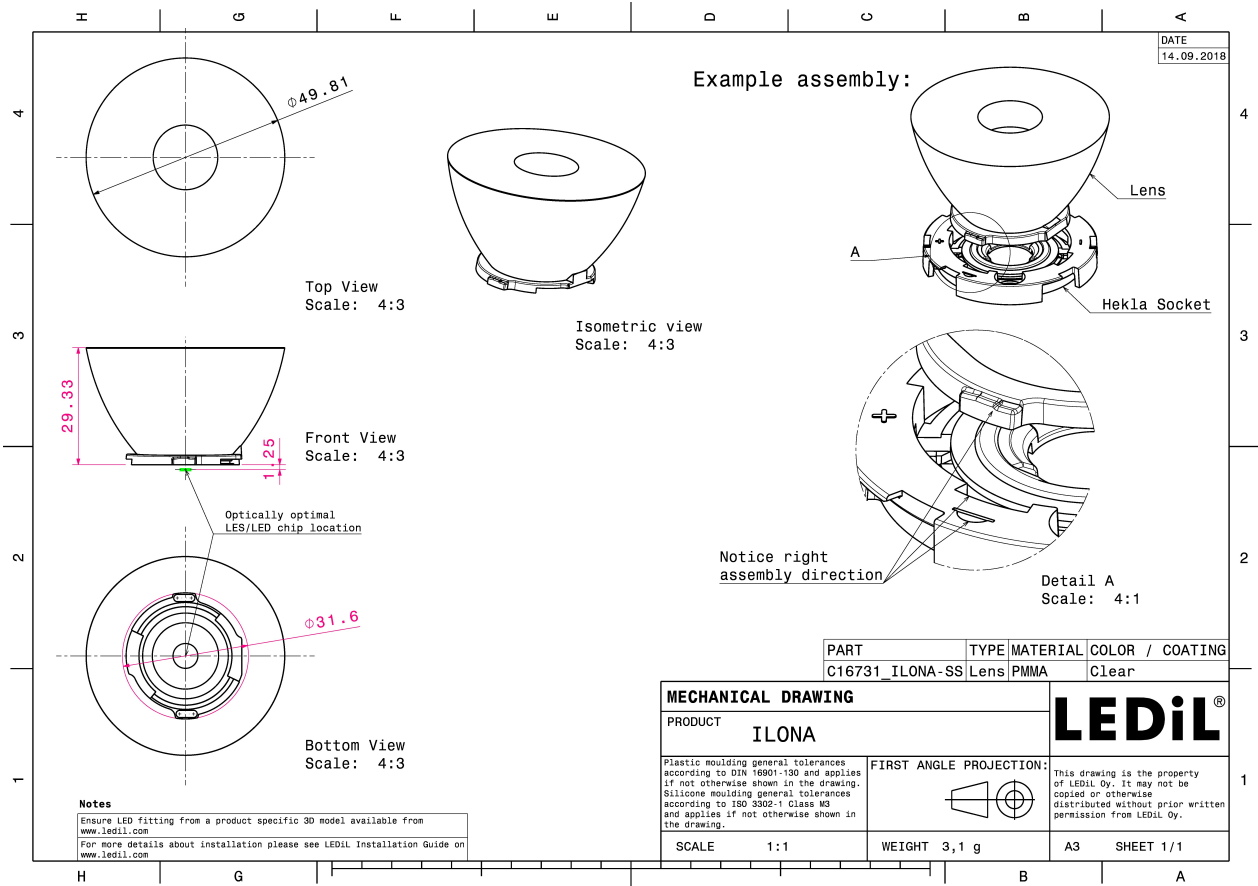
MATERIAL SPECIFICATIONS:

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




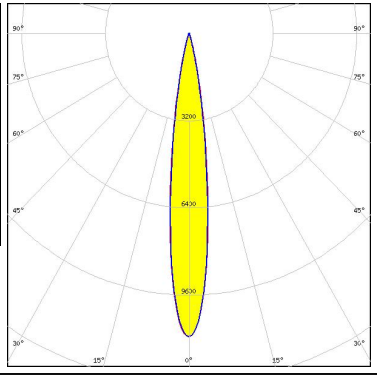

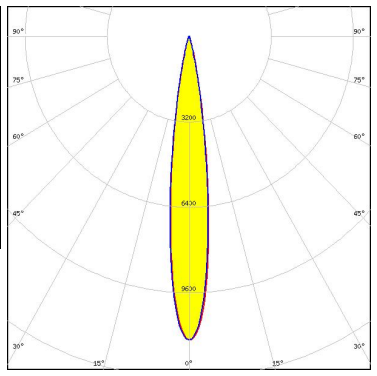

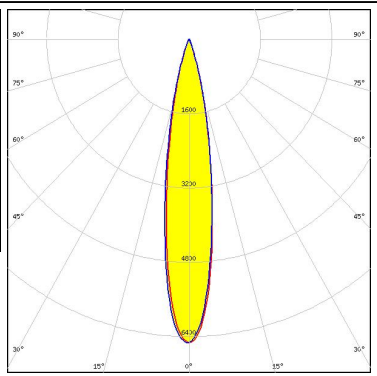


ORDERING INFORMATION:

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

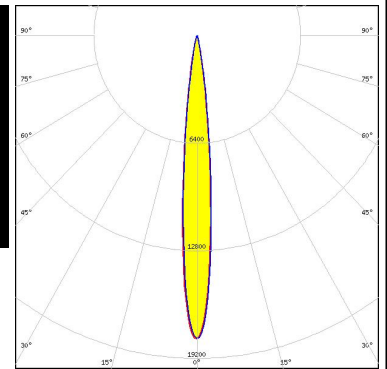
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 15.0° / 27.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 11.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>bridgelux.</p> <p>LED V6 HD</p> <p>FWHM / FWTM 15.0° / 27.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 11.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>bridgelux.</p> <p>LED Vesta DTW 9mm (4W/6W/12W)</p> <p>FWHM / FWTM 18.0° / 36.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 6.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8</p>		
<p>bridgelux.</p> <p>LED Vesta TW 6mm DP</p> <p>FWHM / FWTM 14.0° / 28.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 10.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8</p>		

PHOTOMETRIC DATA (MEASURED):

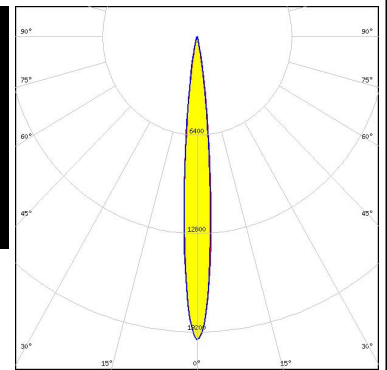
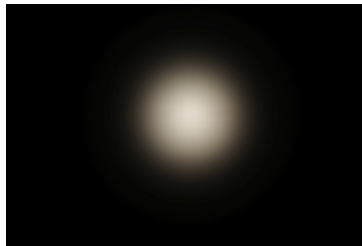
CITIZEN

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



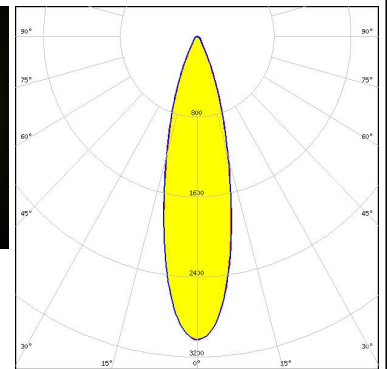
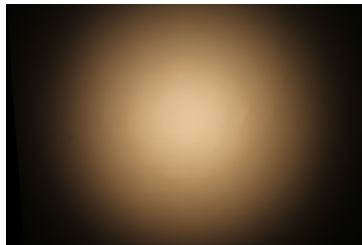
CITIZEN

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



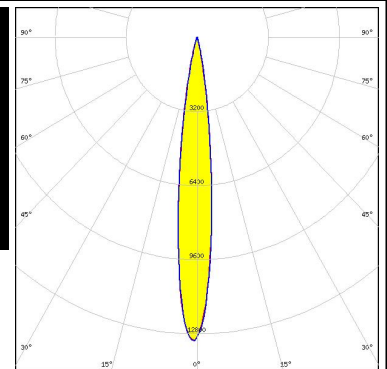
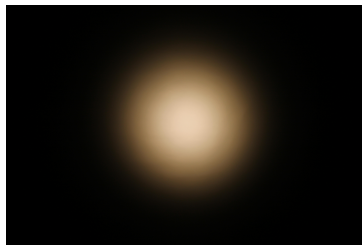
LUMILEDS

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

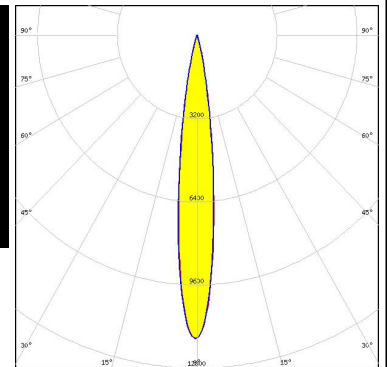
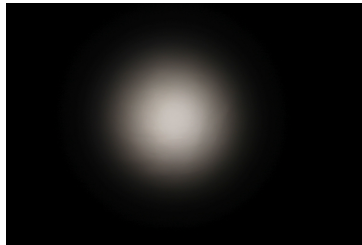
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 13.0° / 25.0°
 Efficiency 95 %
 Peak intensity 13.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



PHOTOMETRIC DATA (MEASURED):

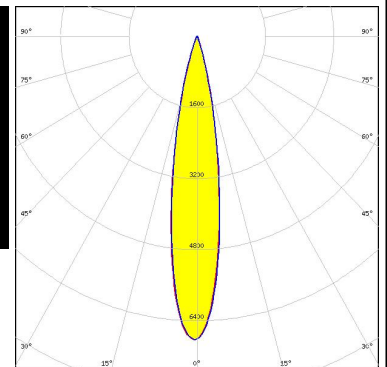
LUMILEDS

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



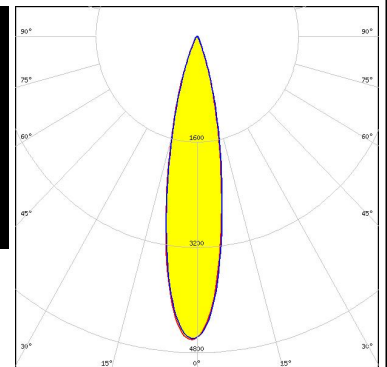
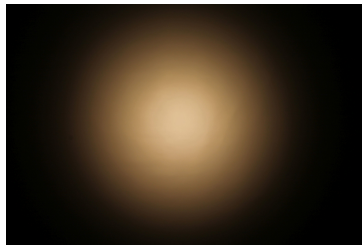
LUMILEDS

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



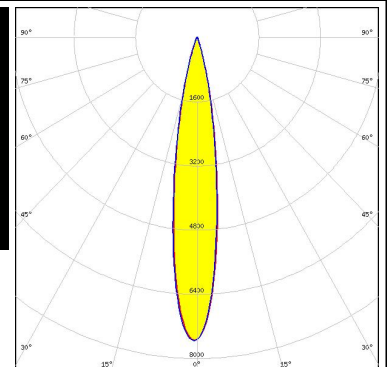
LUMILEDS

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


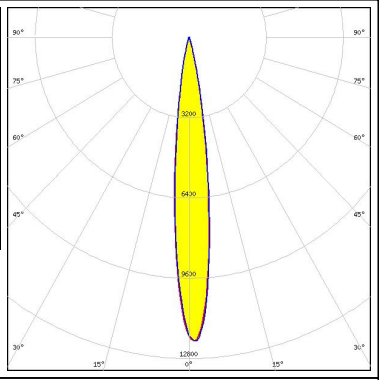

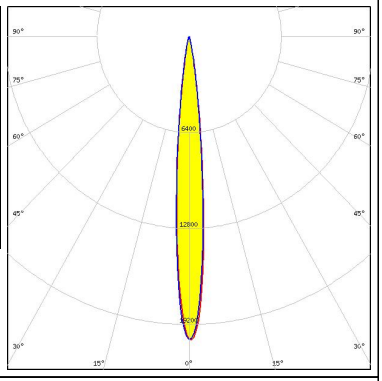

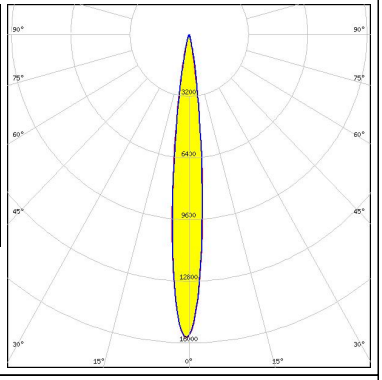

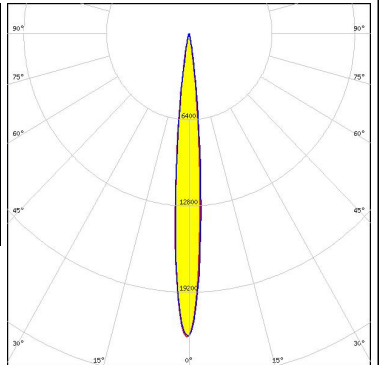


LUMILEDS

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



PHOTOMETRIC DATA (MEASURED):

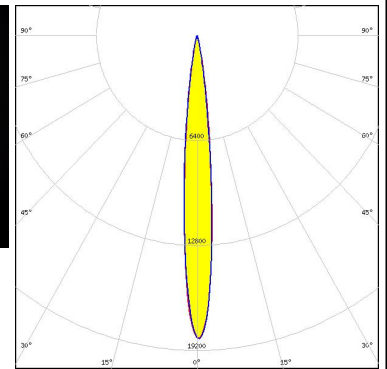
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 13.0° / 26.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 12.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMINUS</p> <p>LED CXM-3</p> <p>FWHM / FWTM 11.0° / 20.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 20.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>LUMINUS</p> <p>LED CXM-4</p> <p>FWHM / FWTM 12.0° / 23.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 15.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSTAR Stage (S2WN)</p> <p>FWHM / FWTM 10.0° / 19.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 22.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

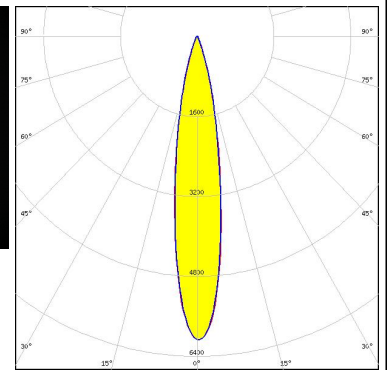
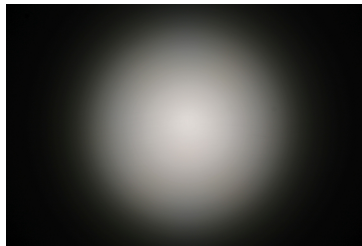
Opto Semiconductors

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



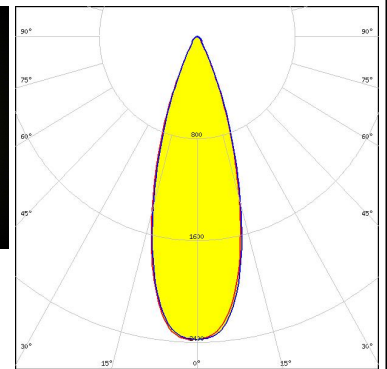
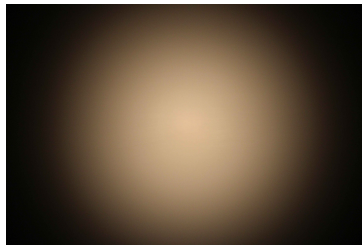
SAMSUNG

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



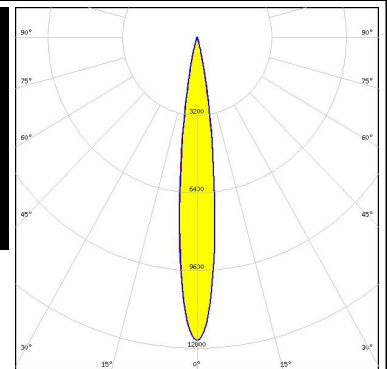
SEOUL SEMICONDUCTOR

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


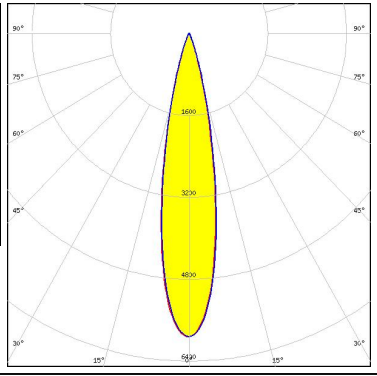

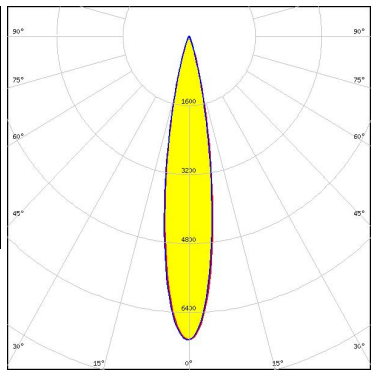

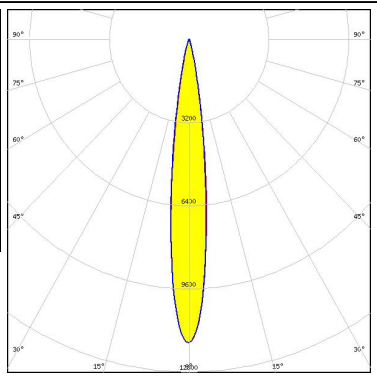

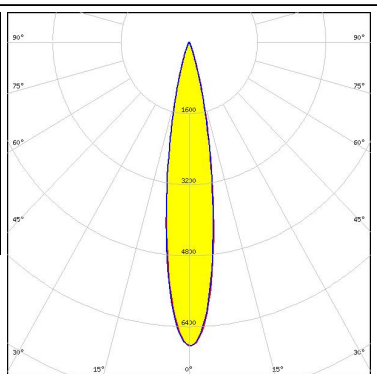


SEOUL SEMICONDUCTOR

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



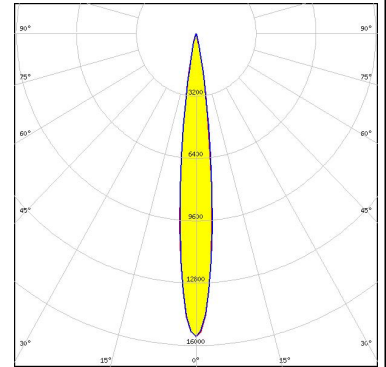
PHOTOMETRIC DATA (MEASURED):

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

PHOTOMETRIC DATA (SIMULATED):

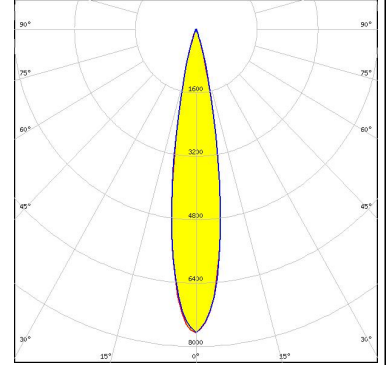
bridgelux.

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



bridgelux.

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

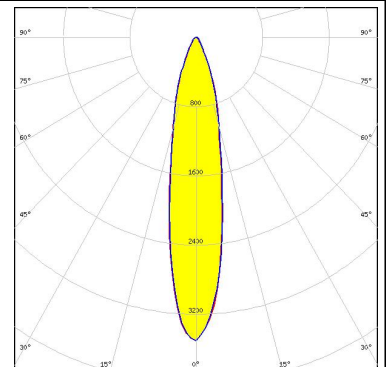


bridgelux.

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:

bridgelux.

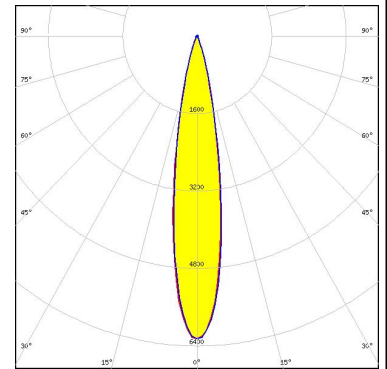
LED Vero SE 13
 FWHM / FWTM 20.0° / 50.0°
 Efficiency 91 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K



PHOTOMETRIC DATA (SIMULATED):

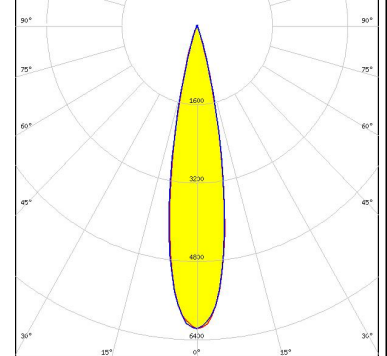


LED Vesta TW 9mm (9W) DP
 FWHM / FWTM 18.0° / 35.0°
 Efficiency 86 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 489 Typ L8



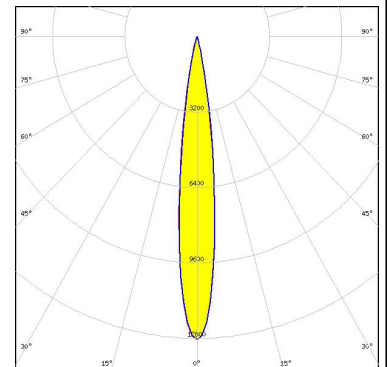
CITIZEN

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

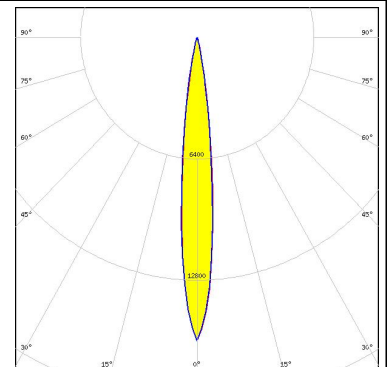


CITIZEN

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:	

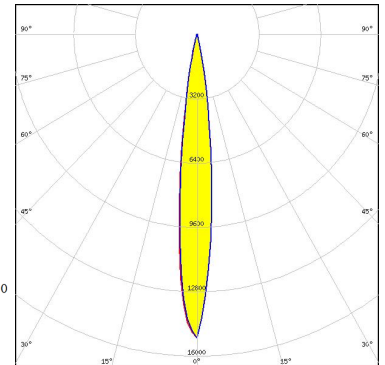
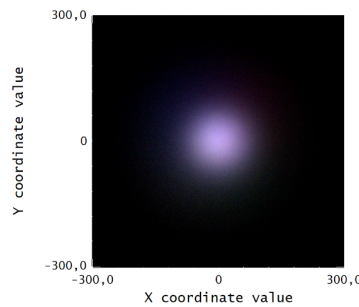
PHOTOMETRIC DATA (SIMULATED):

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:

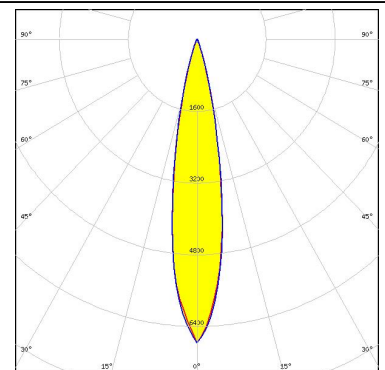
LUMILEDS

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



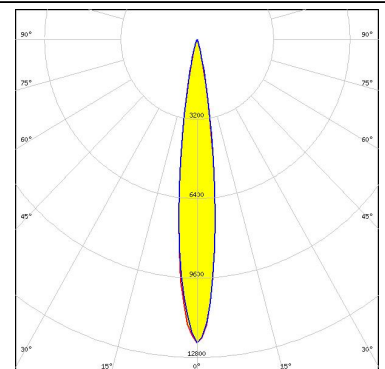
LUMILEDS

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

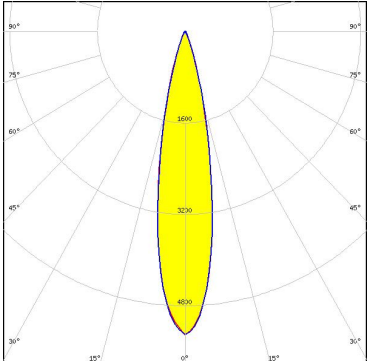
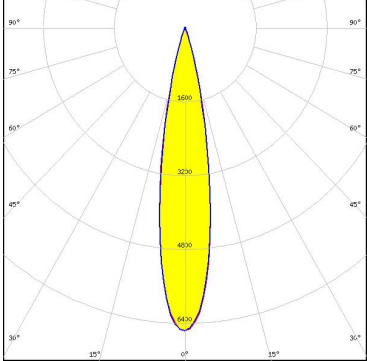
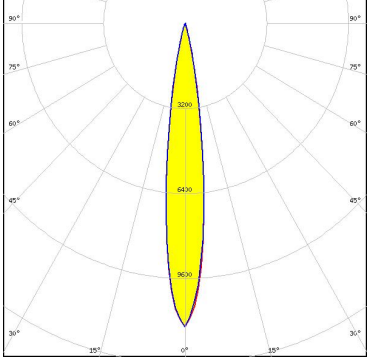
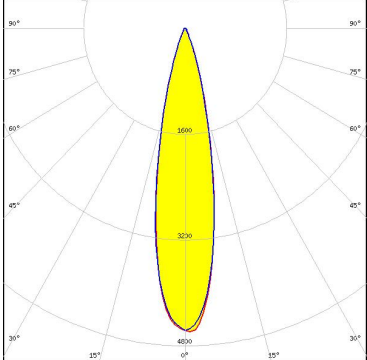
LED COB S-Type (LES 6)
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 93 %
 Peak intensity 12.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED COB S-Type (LES 6)</p> <p>FWHM / FWTM 14.0° / 26.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 12.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	
<p>NICHIA</p> <p>LED COB S-Type (LES 7)</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 10.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15848_HEKLA-SOCKET-G</p>	
<p>NICHIA</p> <p>LED NFSWE11A</p> <p>FWHM / FWTM 18.0° / 32.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 7.5 cd/lm</p> <p>LEDs/each optic 30</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p>NICHIA</p> <p>LED NJCWL024Z-V1MT: COB L-Type Tunable White</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 9.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 497 Typ L8</p>	

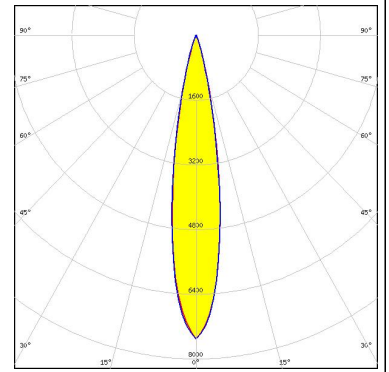
PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NVCWJ024Z-V1MT: COB J-Type Tunable White</p> <p>FWHM / FWTM 20.0° / 40.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 5.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 498 Typ L8</p>	
<p>SAMSUNG</p> <p>LED LC003D / LC006D / LC009D / LC013D</p> <p>FWHM / FWTM 19.0° / 34.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 6.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>	
<p>SAMSUNG</p> <p>LED LC020C</p> <p>FWHM / FWTM 14.0° / 28.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 11.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>	
<p>SAMSUNG</p> <p>LED LC020T (Tunable white)</p> <p>FWHM / FWTM 22.0° / 42.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 4.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8</p>	

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:

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