

ILONA-RS

~10° spot beam

TECHNICAL SPECIFICATIONS:

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

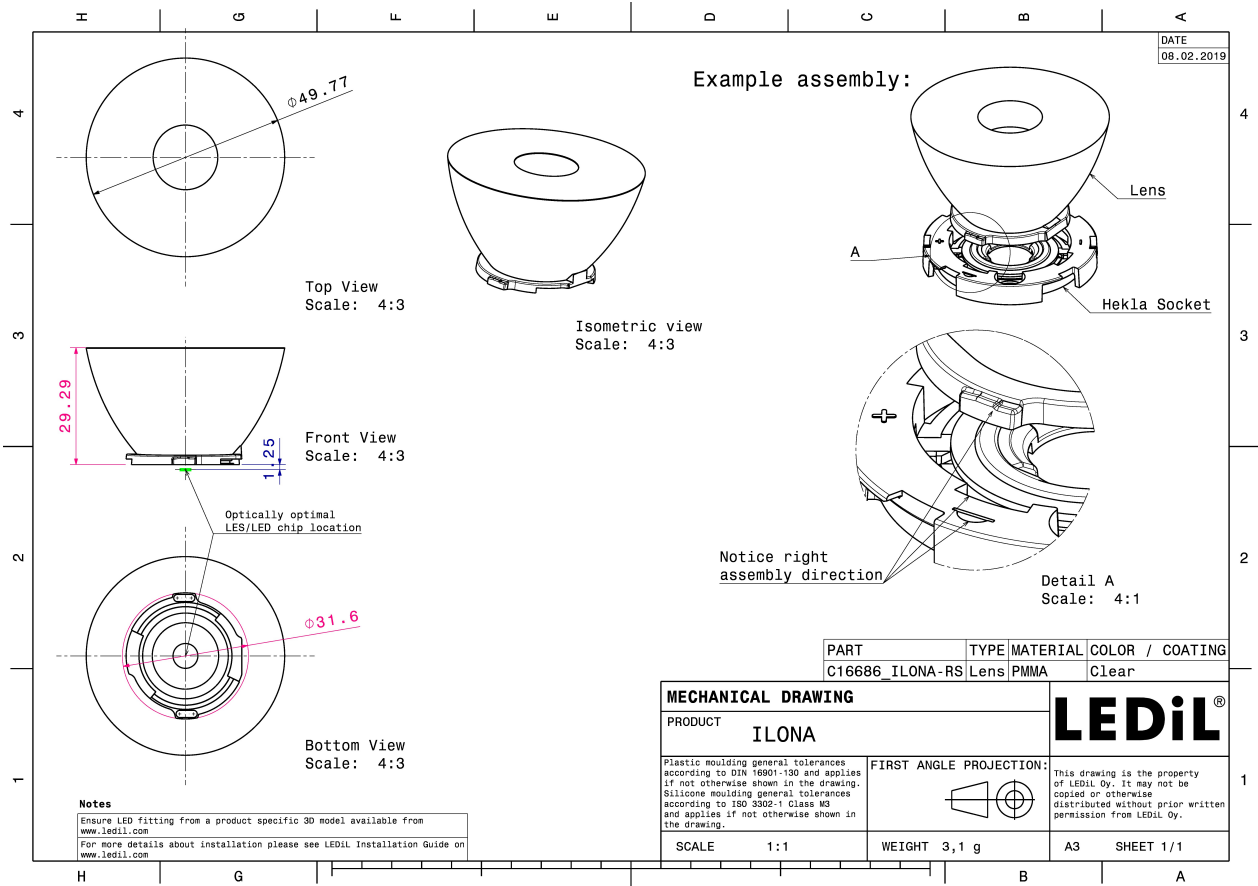
MATERIAL SPECIFICATIONS:

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




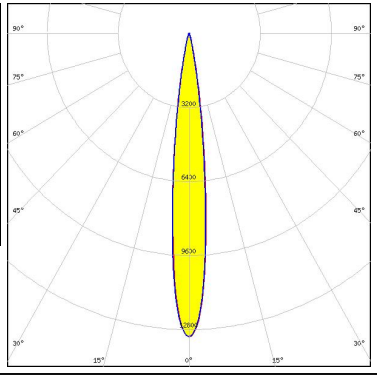

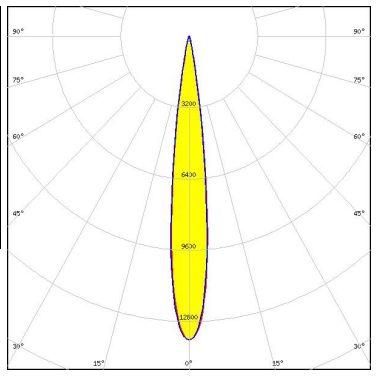

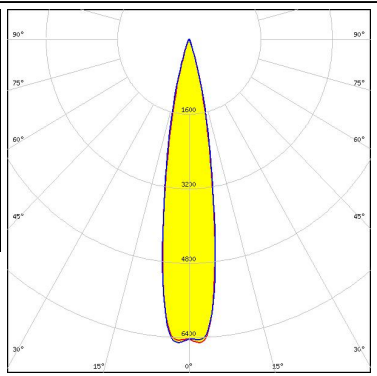

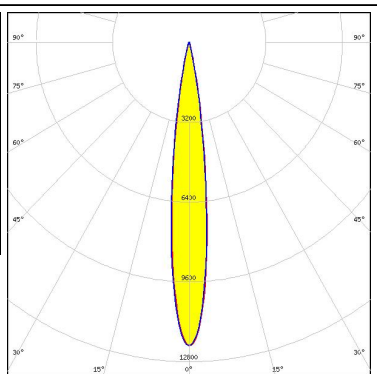
ORDERING INFORMATION:

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

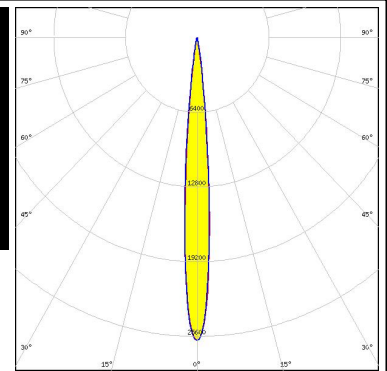
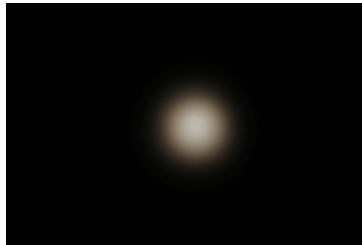
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>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</p>		
<p>bridgelux.</p> <p>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</p>		
<p>bridgelux.</p> <p>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</p>		
<p>bridgelux.</p> <p>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</p>		

PHOTOMETRIC DATA (MEASURED):

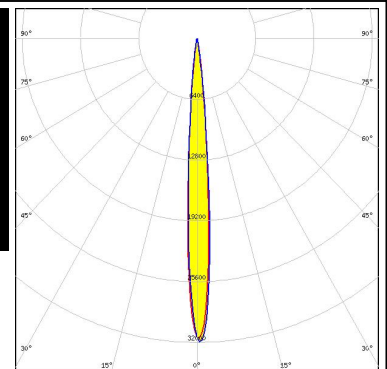
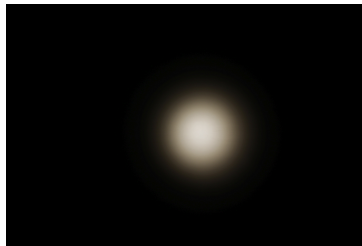
CITIZEN

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



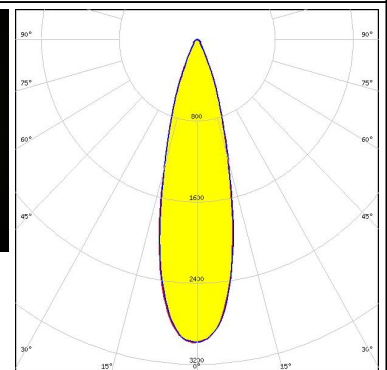
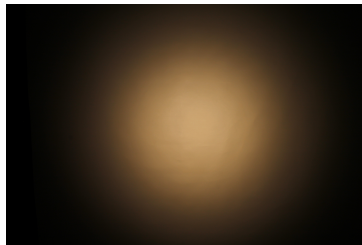
CITIZEN

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



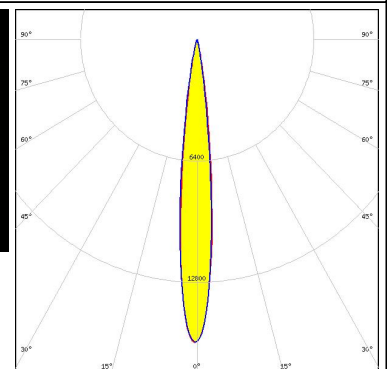
LUMILEDS

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


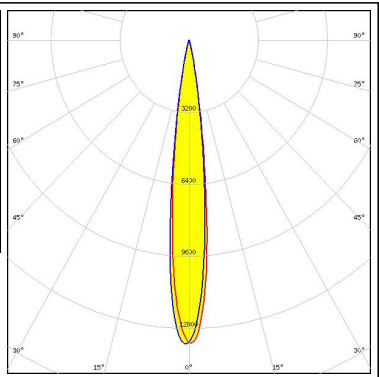

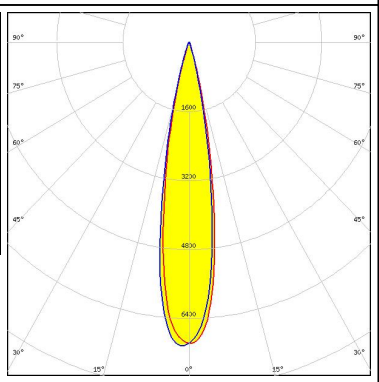

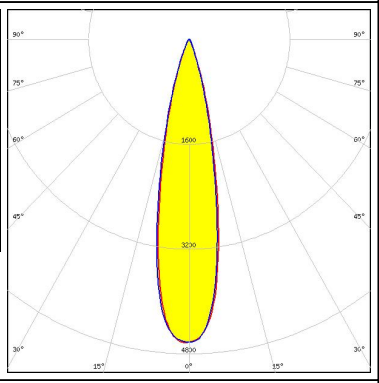

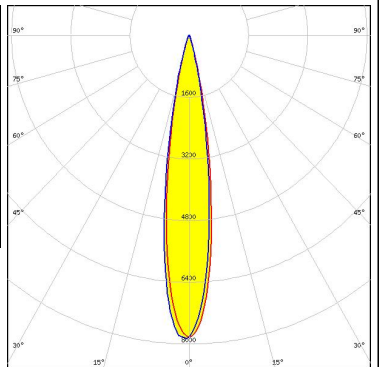


LUMILEDS

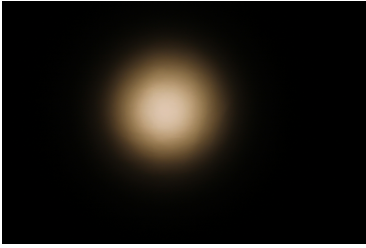
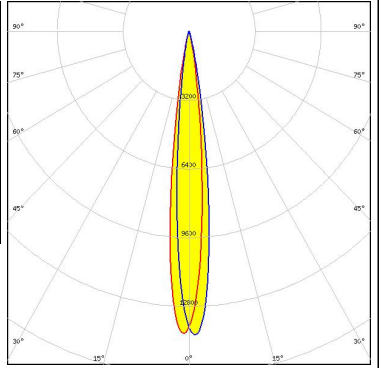

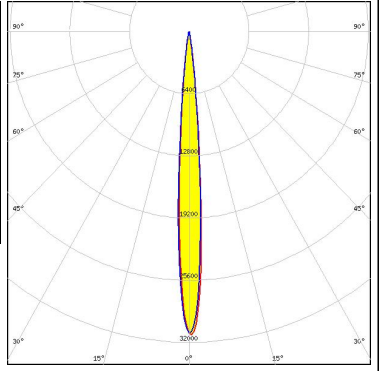

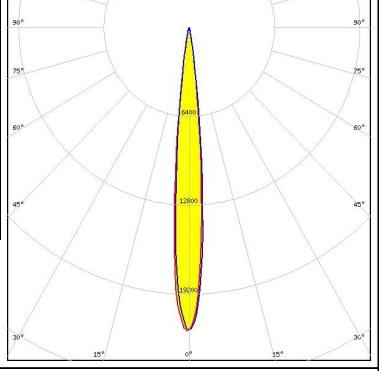

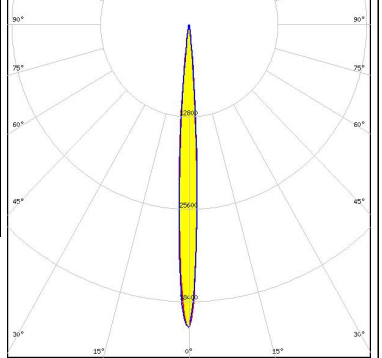
LED LUXEON CX Plus CoB - HD S01H4
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 94 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla




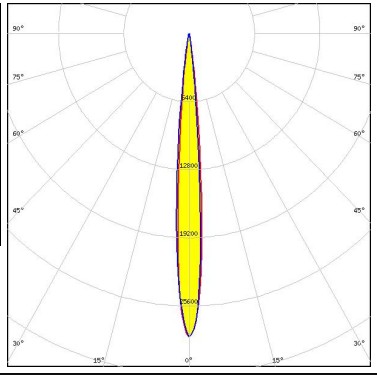

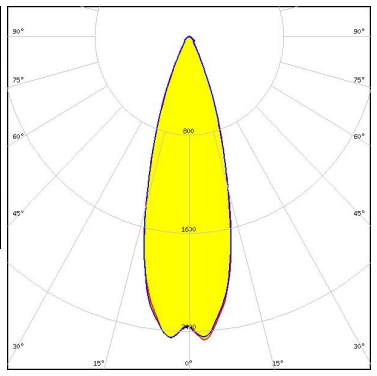

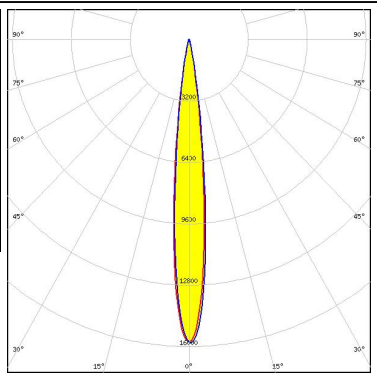

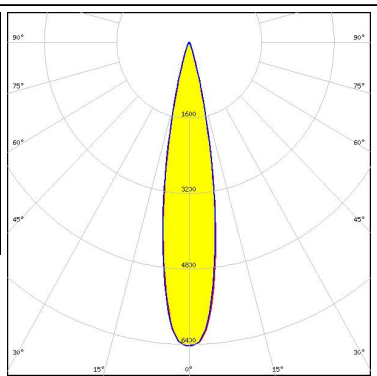
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6</p> <p>FWHM / FWTM 13.0° / 24.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 13.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB - HD S04H9</p> <p>FWHM / FWTM 19.0° / 33.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 634c Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB L04 / L05 (Gen2)</p> <p>FWHM / FWTM 23.0° / 41.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 4.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 637a Hekla</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2)</p> <p>FWHM / FWTM 17.0° / 32.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 7.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 641a Hekla</p>		

PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB S01 (Gen2)</p> <p>FWHM / FWTM 12.0° / 23.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 14.5 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 9.0° / 16.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 31.3 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 10.0° / 19.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 21.9 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 7.0° / 13.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 42.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		

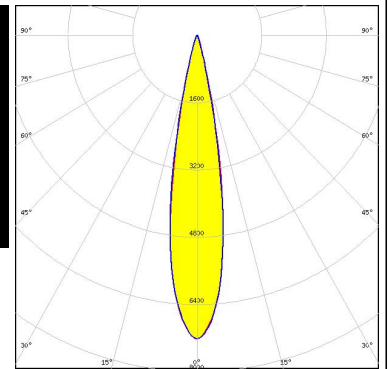
PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSTAR Stage (S2WP)</p> <p>FWHM / FWTM 9.0° / 16.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 29.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15859_HEKLA-SOCKET-I</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 14.5</p> <p>FWHM / FWTM 31.0° / 55.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17438_HEKLA-G2-I</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 6</p> <p>FWHM / FWTM 12.0° / 22.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 15.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 20.0° / 34.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 6.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

PHOTOMETRIC DATA (MEASURED):

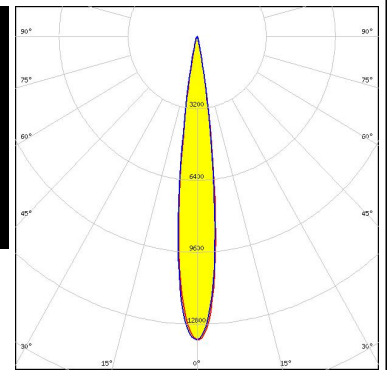
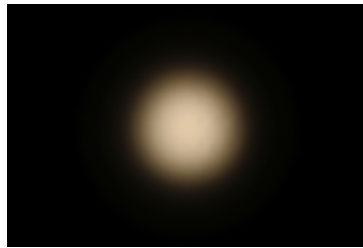
TRIDONIC

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



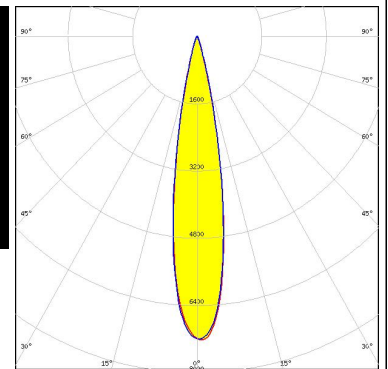
XICATO

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

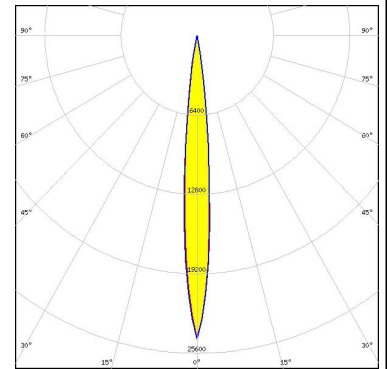
LED XOB 9.8 mm
 FWHM / FWTM 19.0° / 32.0°
 Efficiency 94 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

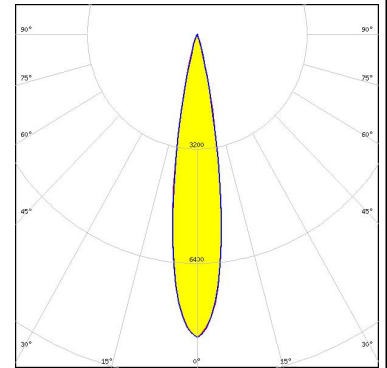
bridgelux.

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



bridgelux.

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

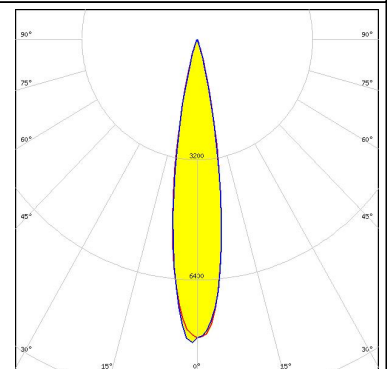


bridgelux.

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

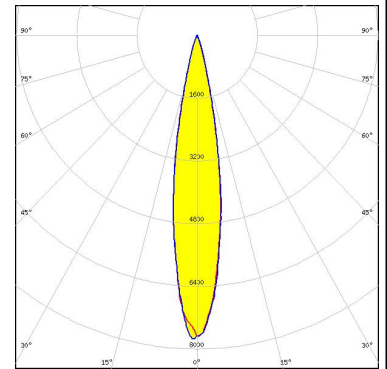
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 18.0° / 32.0°
 Efficiency 93 %
 Peak intensity 8.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15501_HEKLA-C



PHOTOMETRIC DATA (SIMULATED):

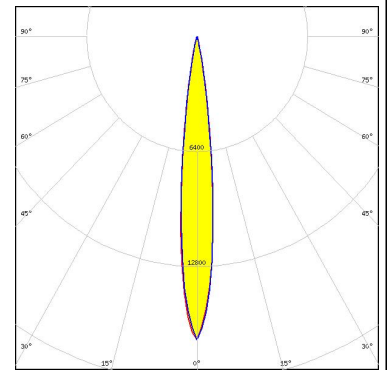
CITIZEN

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



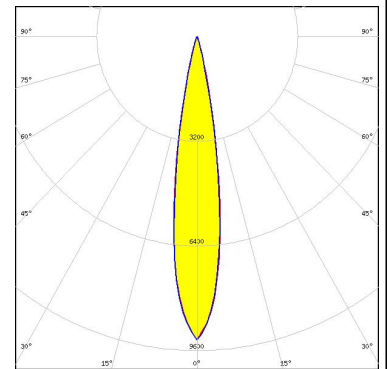
CITIZEN

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



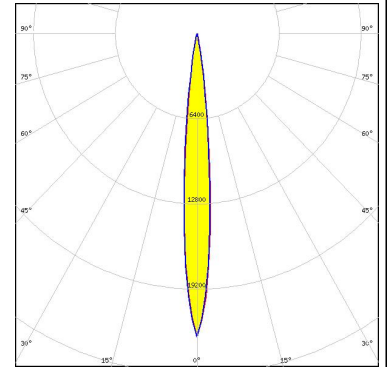
CITIZEN

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


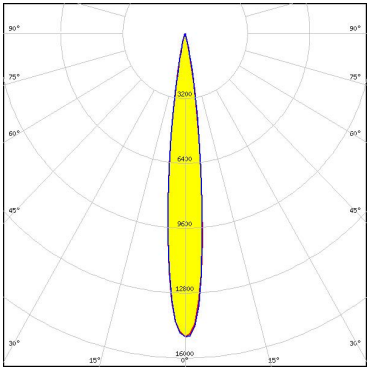

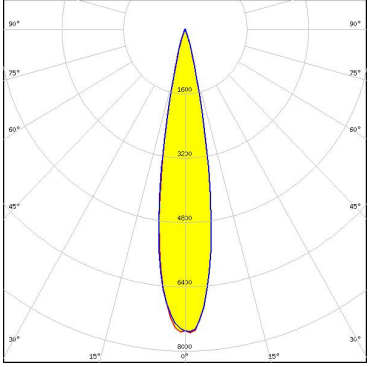

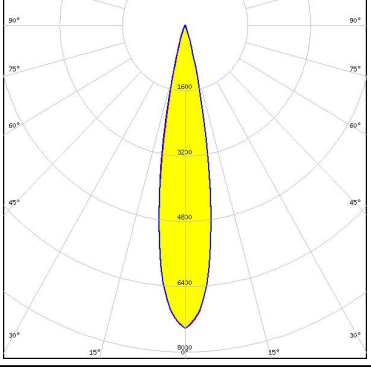

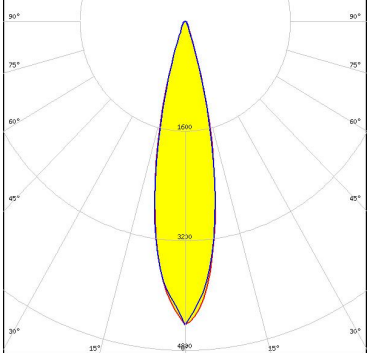


CREE LED

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



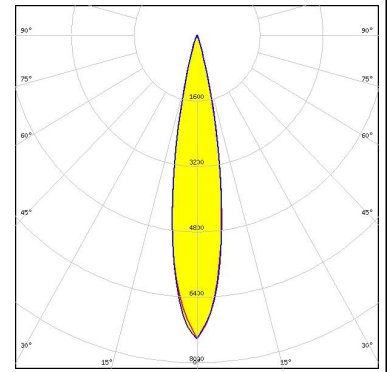
PHOTOMETRIC DATA (SIMULATED):

	<p>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</p>	
	<p>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</p>	
	<p>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</p>	
	<p>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</p>	

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

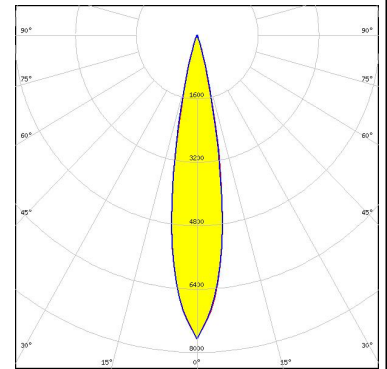
LED LUXEON CoB 1202s
FWHM / FWTM 12.0° / 24.0°
Efficiency 95 %
Peak intensity 15.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H

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

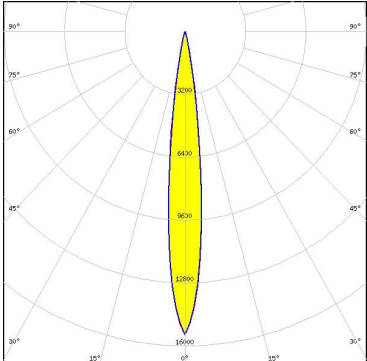
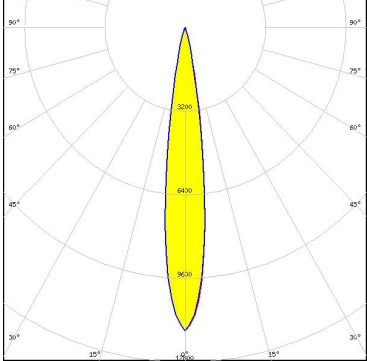
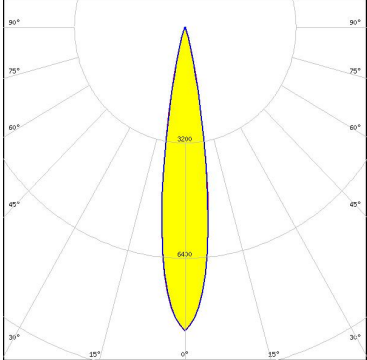
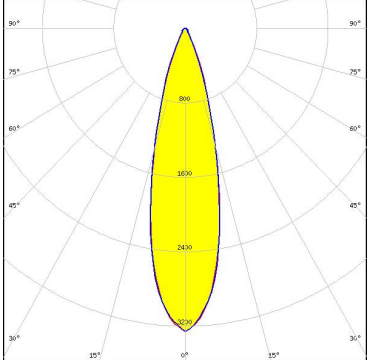
LED LUXEON CoB 1204HD
FWHM / FWTM 20.0° / 32.0°
Efficiency 94 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON CoB 1205HD FWHM / FWTM 24.0° / 39.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: F17437_HEKLA-G2-H</p>	
<p>LUMILEDS</p> <p>LED LUXEON CoB 1208 FWHM / FWTM 27.0° / 50.0° Efficiency 91 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>	
<p>LUMINUS</p> <p>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 White Required components: F15255_HEKLA-SOCKET-C</p>	
<p>NICHIA</p> <p>LED COB S-Type (LES 6) FWHM / FWTM 12.0° / 24.0° Efficiency 93 % Peak intensity 15.6 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p>	

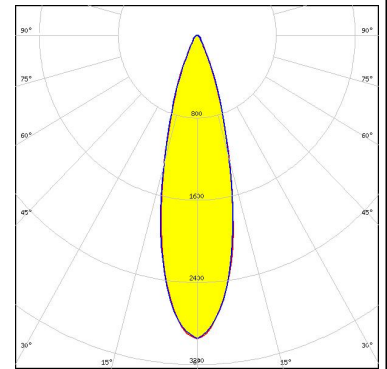
PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED COB S-Type (LES 6)</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 15.4 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° / 26.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 11.6 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° / 30.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 8.4 cd/lm</p> <p>LEDs/each optic 30</p> <p>Light colour White</p> <p>Required components: C16142_HEKLA-SOCKET-K</p>	
<p>PHILIPS</p> <p>LED Fortimo SLM L15 CoB</p> <p>FWHM / FWTM 26.0° / 50.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 3.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 632a Hekla XL</p>	

PHOTOMETRIC DATA (SIMULATED):

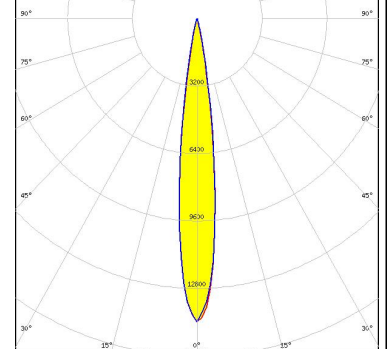
PHILIPS

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



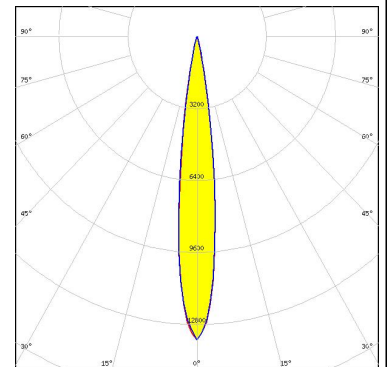
SAMSUNG

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



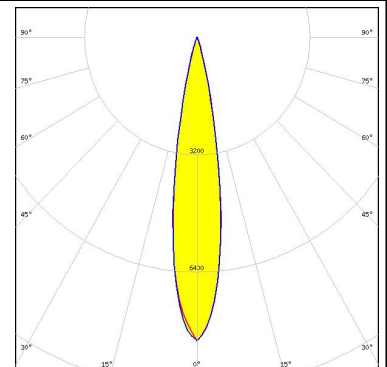
SAMSUNG

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:

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