

ILONA-ZOOM

An infinitely adjustable beam from 13 to 48 degrees.

SPECIFICATION:

Dimensions	Ø 52.5 mm
Height	33.2 mm
Fastening	socket
ROHS compliant	yes ⓘ



MATERIALS:

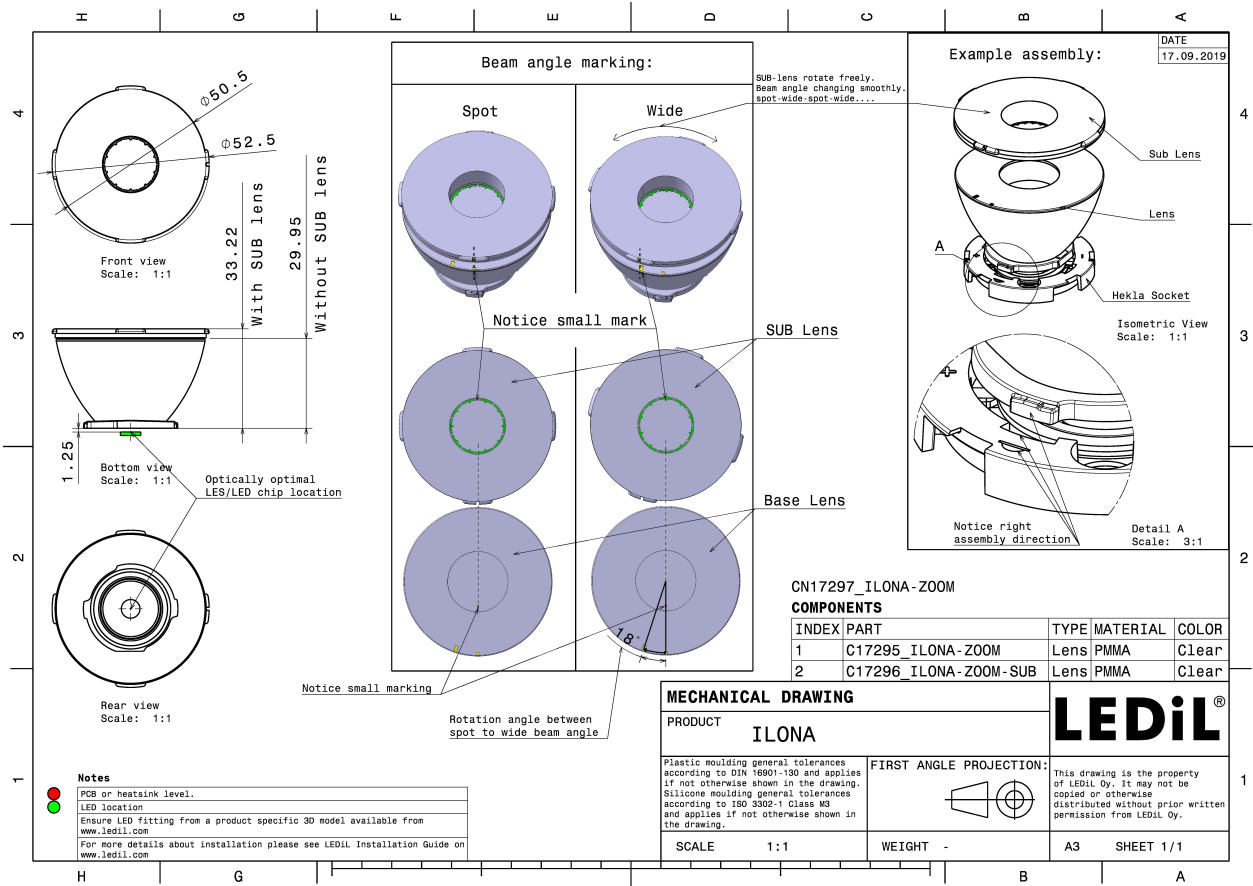
Component	Type	Material	Colour	Finish
C17295_ILONA-ZOOM	Single lens	PMMA	clear	
C17296_ILONA-ZOOM-SUB	Sublens	PMMA	clear	

ORDERING INFORMATION:

Quantities for one set:



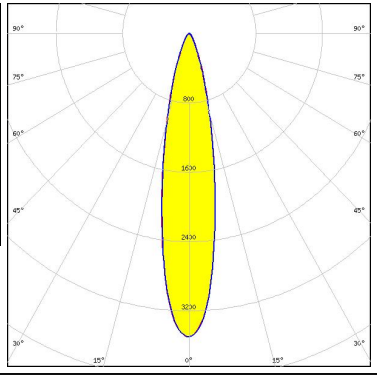


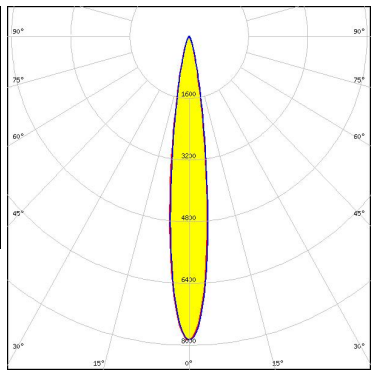


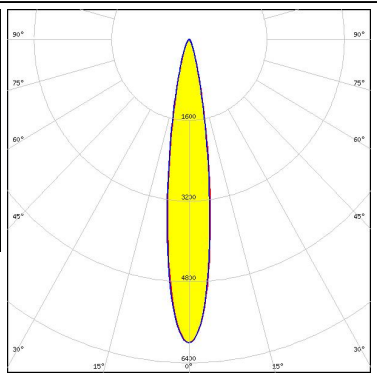


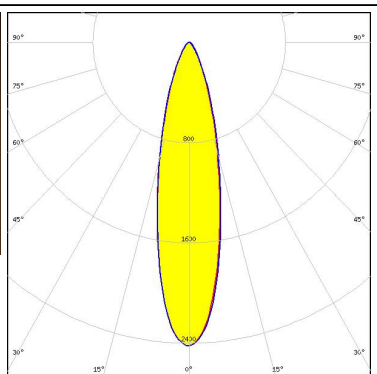
Single lens	1
Sublens	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C17295_ILONA-ZOOM	Single lens	264	33	33	9.7
» Box size: 480 x 280 x 300 mm					
C17296_ILONA-ZOOM-SUB	Sublens	264	33	33	2.4
» Box size: 480 x 280 x 185 mm					



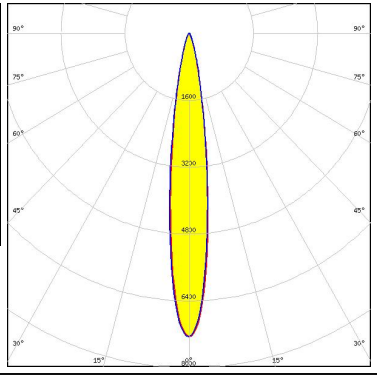


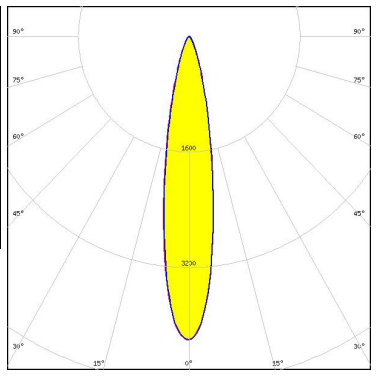

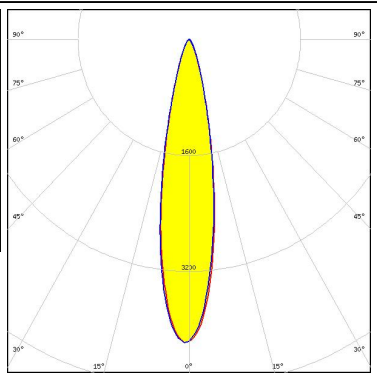

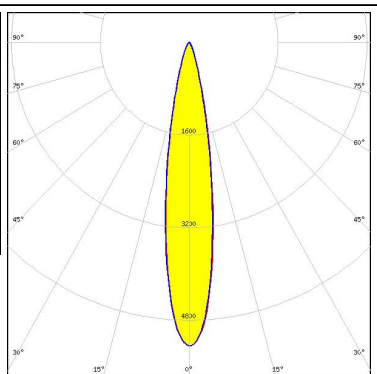


See also our general installation guide: www.ledil.com/installation_guide


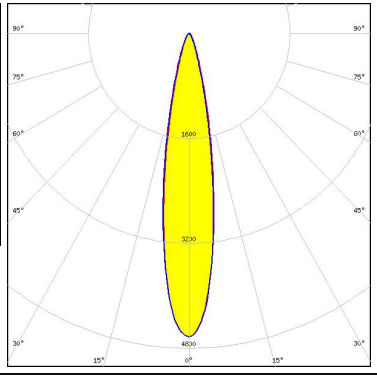

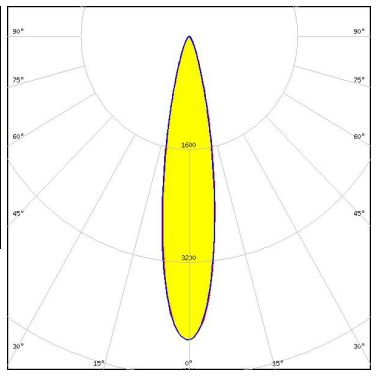

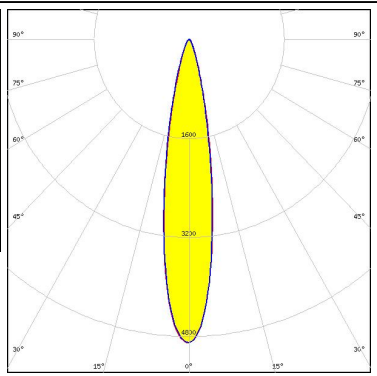

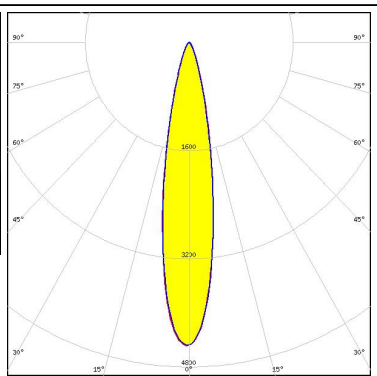
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED V11 HD Gen 8</p> <p>FWHM / FWTM 21.0 + 46.0° / 45.0 + 88.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: Bender Wirth: 633d Hekla</p>		
<p></p> <p>LED V6 HD Gen 7</p> <p>FWHM / FWTM 14.0 + 48.0° / 30.0 + 84.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 7.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p></p> <p>LED V8 Gen7</p> <p>FWHM / FWTM 16.0 + 46.0° / 35.0 + 83.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15253_HEKLA-SOCKET-A</p>		
<p></p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM / FWTM 25.0 + 46.0° / 55.0 + 90.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 491 Typ L8</p>		


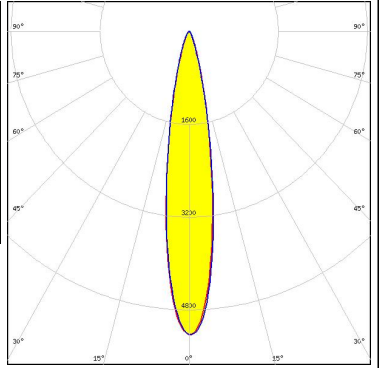

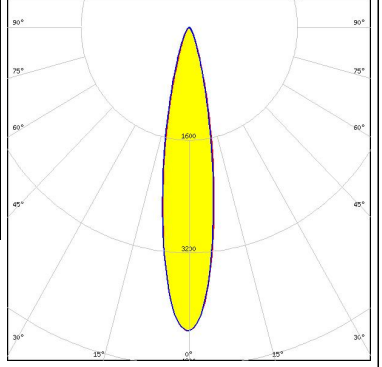

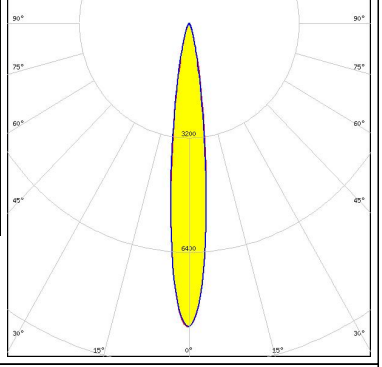

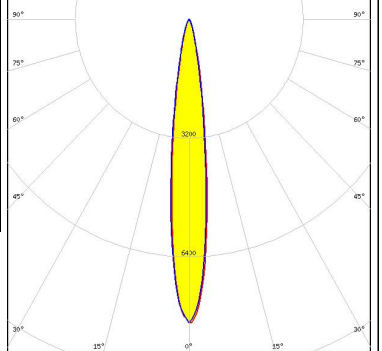
OPTICAL RESULTS (MEASURED):

<p></p> <p>LED Vesta TW 6mm DP FWHM / FWTM 15.0 + 48.0° / 32.0 + 84.0° Efficiency 84 % Peak intensity 7.3 cd/lm LEDs/each optic 1 Light colour White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 504 Typ L8</p>		
<p></p> <p>LED Vesta TW 9mm (9W) DP FWHM / FWTM 19.0 + 46.0° / 42.0 + 86.0° Efficiency 81 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour Tunable White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p>		
<p>CITIZEN</p> <p>LED CLL02x/CLU02x (LES10) FWHM / FWTM 21.0 + 47.0° / 42.0 + 86.0° Efficiency 85 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>CITIZEN</p> <p>LED CLU712/713 FWHM / FWTM 19.0 + 47.0° / 37.0 + 84.0° Efficiency 85 % Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components: F15859_HEKLA-SOCKET-I</p>		



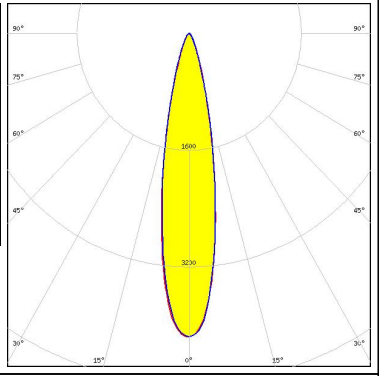

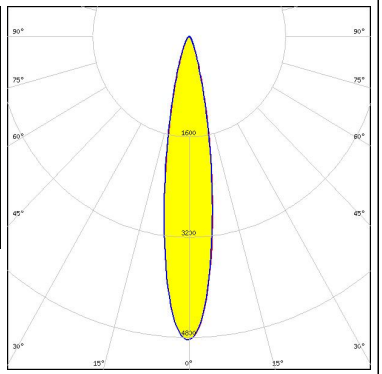
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED CMA1516 FWHM / FWTM 19.0 + 47.0° / 39.0 + 85.0° Efficiency 85 % Peak intensity 4.6 cd/m LEDs/each optic 1 Light colour White Required components: F15256_HEKLA-SOCKET-D</p>		
<p>CREE LEDs</p> <p>LED CMT14xx FWHM / FWTM 20.0 + 46.0° / 41.0 + 85.0° Efficiency 85 % Peak intensity 4.3 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		
<p>LUMILEDS</p> <p>LED LUXEON CX Plus CoB M02 / M03 (Gen2) FWHM / FWTM 19.0 + 47.0° / 39.0 + 85.0° Efficiency 86 % Peak intensity 4.9 cd/m LEDs/each optic 1 Light colour White Required components: F15256_HEKLA-SOCKET-D</p>		
<p>LUMINUS</p> <p>LED CxM-9 (13.5x13.5) FWHM / FWTM 20.0 + 46.0° / 41.0 + 85.0° Efficiency 86 % Peak intensity 4.5 cd/m LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED COB L-Type (LES 9)</p> <p>FWHM / FWTM 19.0 + 47.0° / 38.0 + 84.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 5.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15858_HEKLA-SOCKET-H</p>		
<p>SAMSUNG</p> <p>LED LC003D / LC006D / LC009D / LC013D</p> <p>FWHM / FWTM 20.0 + 47.0° / 42.0 + 85.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 4.3 cd/m</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 LC010C G2</p> <p>FWHM / FWTM 14.0 + 48.0° / 30.0 + 84.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 8.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 6</p> <p>FWHM / FWTM 14.0 + 48.0° / 30.0 + 85.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 1.1 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F17435_HEKLA-G2-C</p>		

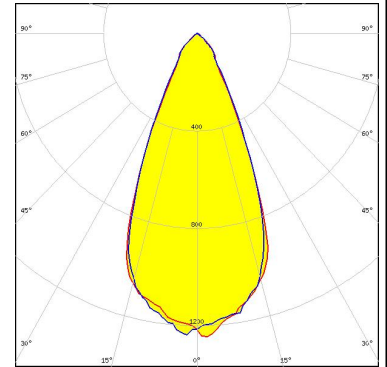
OPTICAL RESULTS (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8 FWHM / FWTM 21.0 + 47.0° / 43.0 + 86.0° Efficiency 86 % Peak intensity 4.2 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 + 47.0° / 40.0 + 85.0° Efficiency 86 % Peak intensity 4.8 cd/lm LEDs/each optic 1 Light colour White Required components: F15255_HEKLA-SOCKET-C</p>		

OPTICAL RESULTS (SIMULATED):

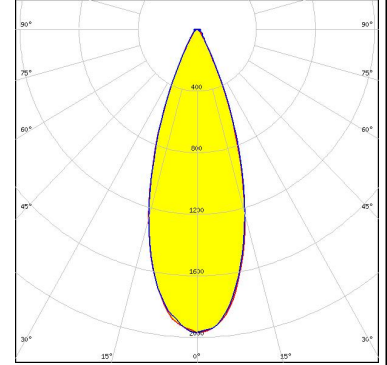
bridgelux.

LED V4 HD Gen 7
 FWHM / FWTM 12.0 + 46.0° / 25.0 + 76.0°
 Efficiency 82 %
 Peak intensity 12.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15253_HEKLA-SOCKET-A



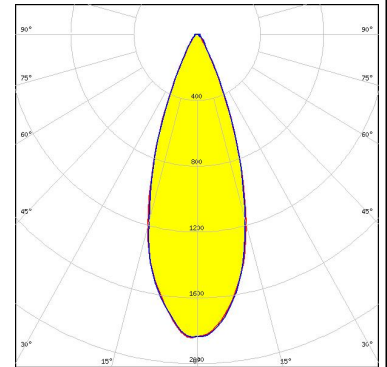
bridgelux.

LED V9 HD Gen7
 FWHM / FWTM 18.0 + 46.0° / 34.0 + 82.0°
 Efficiency 88 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



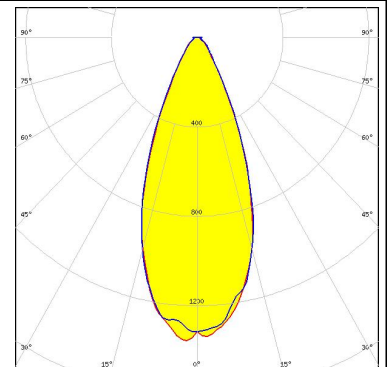
bridgelux.

LED Vesta DTW 9mm (4W/6W/12W)
 FWHM / FWTM 18.0 + 46.0° / 36.0 + 84.0°
 Efficiency 86 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



CITIZEN

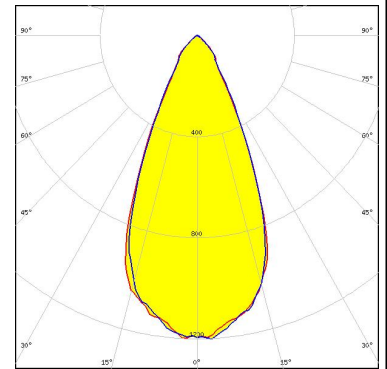
LED CLL03x/CLU03x
 FWHM / FWTM 25.0 + 46.0° / 51.0 + 92.0°
 Efficiency 85 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



OPTICAL RESULTS (SIMULATED):

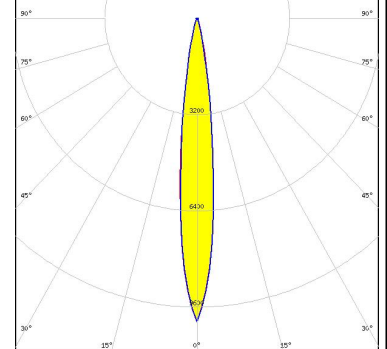
CITIZEN

LED CLU700/701/702/703
 FWHM / FWTM 13.0 + 47.0° / 27.0 + 78.0°
 Efficiency 82 %
 Peak intensity 10 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

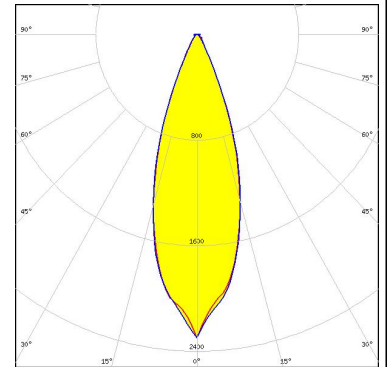


CITIZEN

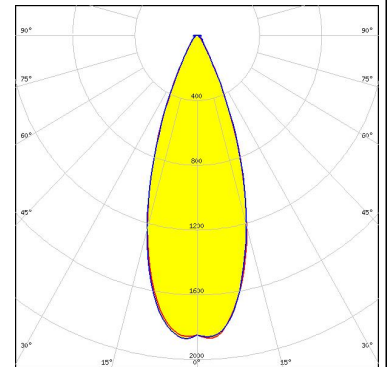
LED CLU7A2/7A3
 FWHM / FWTM 13.0 + 48.0° / 26.0 + 83.0°
 Efficiency 88 %
 Peak intensity 10.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



LED CXA/B 13xx
 FWHM / FWTM 14.0 + 47.0° / 28.0 + 80.0°
 Efficiency 90 %
 Peak intensity 9.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15956_HEKLA-SOCKET-J



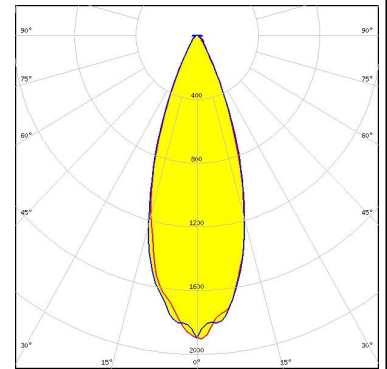
LED CXA/B 15xx
 FWHM / FWTM 18.0 + 46.0° / 36.0 + 81.0°
 Efficiency 89 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



OPTICAL RESULTS (SIMULATED):

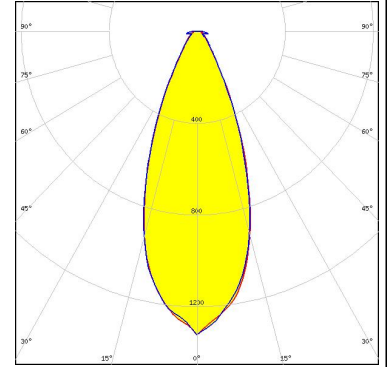
LUMILEDS

LED LUXEON CoB 1202/1203
 FWHM / FWTM 20.0 + 44.0° / 37.0 + 80.0°
 Efficiency 87 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



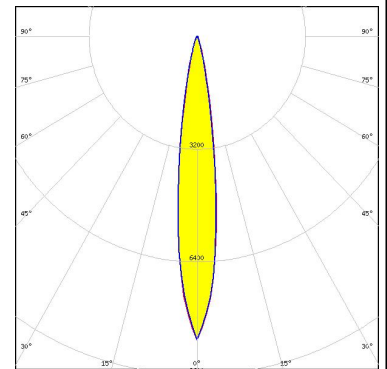
LUMILEDS

LED LUXEON CoB 1204/1205
 FWHM / FWTM 24.0 + 46.0° / 50.0 + 95.0°
 Efficiency 85 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 437 Typ L8



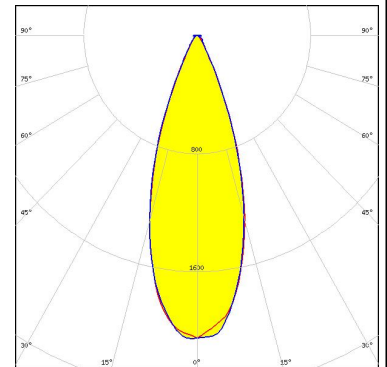
LUMINUS

LED CxM-6 (13.5x13.5)
 FWHM / FWTM 14.0 + 46.0° / 30.0 + 81.0°
 Efficiency 90 %
 Peak intensity 8.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C

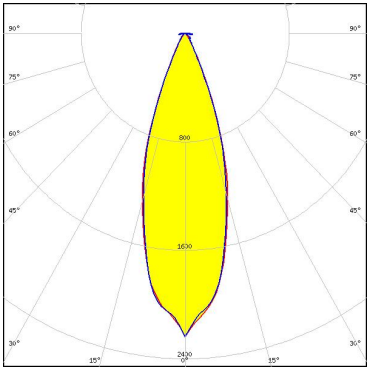
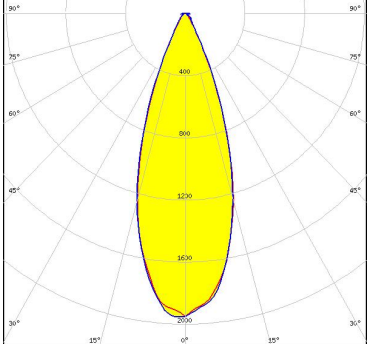
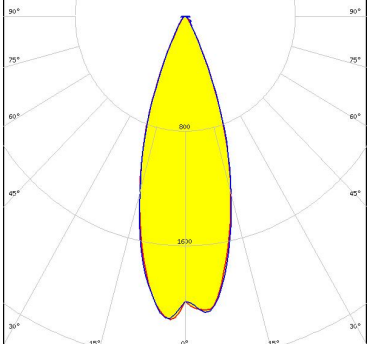
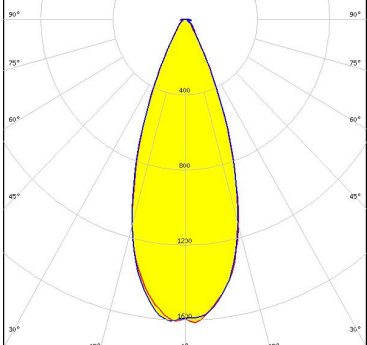


NICHIA

LED COB S-Type (LES 7)
 FWHM / FWTM 16.0 + 48.0° / 30.0 + 80.0°
 Efficiency 89 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15848_HEKLA-SOCKET-G



OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 13.0 + 47.0° / 27.0 + 75.0° Efficiency: 88 % Peak intensity: 10 cd/lm LEDs/each optic: 7 Light colour: White Required components:</p>	
<p>SAMSUNG</p> <p>LED: LC010T (Tunable White) FWHM / FWTM: 18.0 + 46.0° / 34.0 + 83.0° Efficiency: 88 % Peak intensity: 6.4 cd/lm LEDs/each optic: 1 Light colour: White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8</p>	
<p>SAMSUNG</p> <p>LED: LC020C FWHM / FWTM: 14.0 + 46.0° / 28.0 + 77.0° Efficiency: 88 % Peak intensity: 9.2 cd/lm LEDs/each optic: 1 Light colour: White Required components: F17438_HEKLA-G2-I</p>	
<p>SAMSUNG</p> <p>LED: LC020T (Tunable white) FWHM / FWTM: 22.0 + 46.0° / 42.0 + 85.0° Efficiency: 86 % Peak intensity: 4.1 cd/lm LEDs/each optic: 1 Light colour: White Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 501 Typ L8</p>	

OPTICAL RESULTS (SIMULATED):

TRIDONIC

LED	SLE G7 LES13
FWHM / FWTM	12.0 + 45.0° / 21.0 + 71.0°
Efficiency	88 %
Peak intensity	16.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	F17438_HEKLA-G2-I

