

ILONA-ZOOM

PATENT PENDING - An infinitely adjustable beam from 13 to 48 degrees.

TECHNICAL SPECIFICATIONS:

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

MATERIAL SPECIFICATIONS:

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

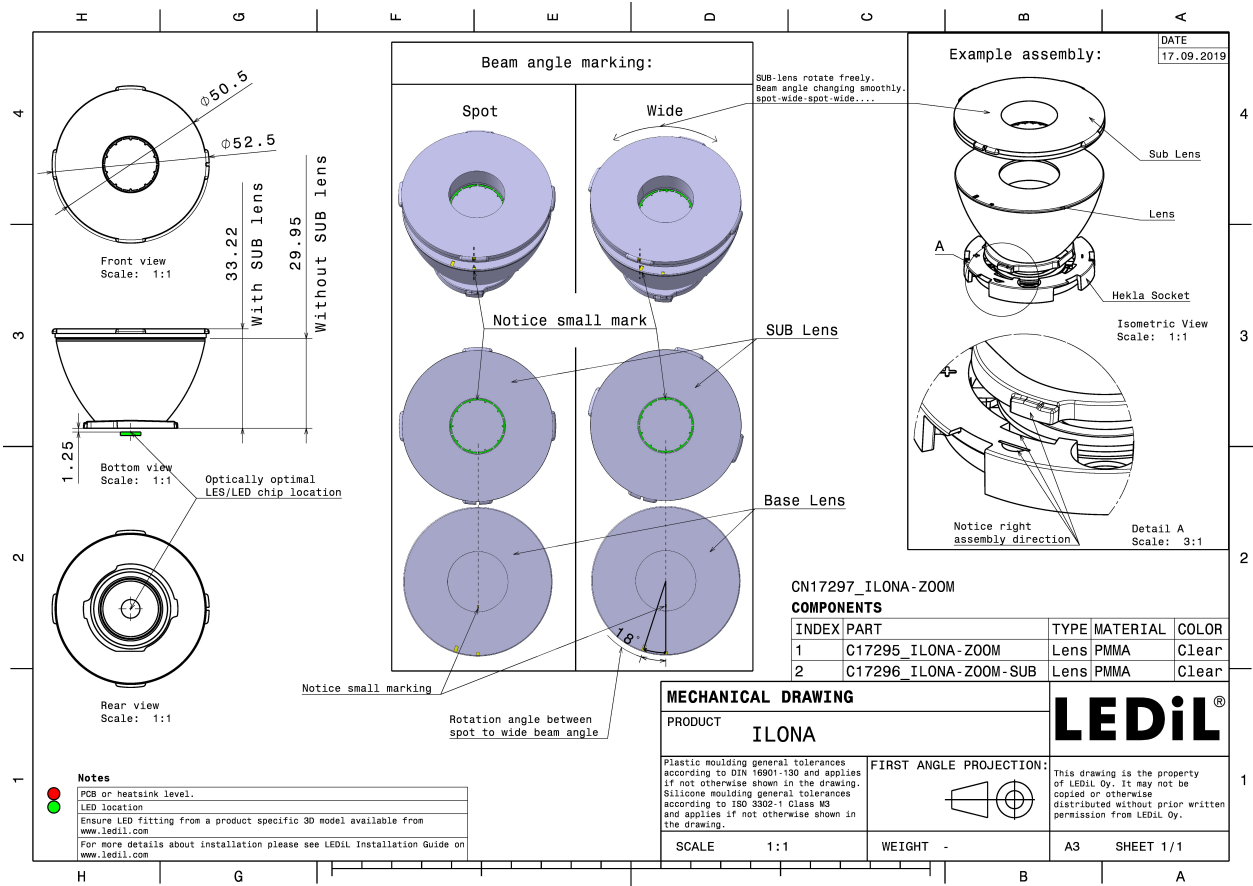
ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Sublens	1


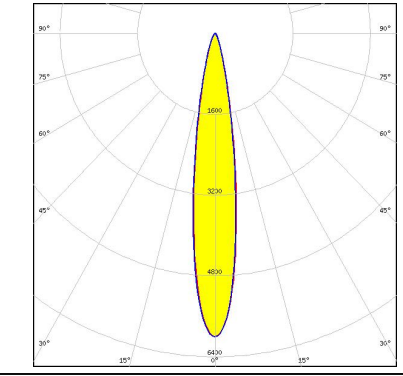



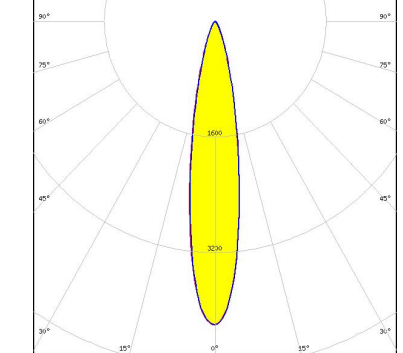


Component		Qty in box	MOQ	MPQ	Box weight (kg)
C17295_ILONA-ZOOM	Single lens	297	33	33	10.9
» Box size: 480 x 280 x 300 mm					
C17296_ILONA-ZOOM-SUB	Sublens	297	33	33	2.7
» Box size: 480 x 280 x 185 mm					



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

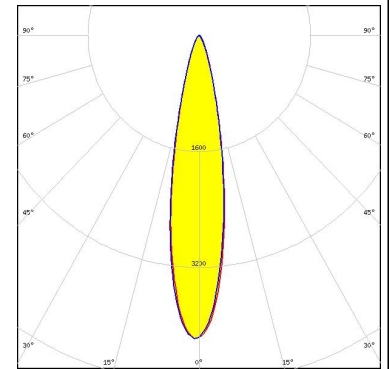
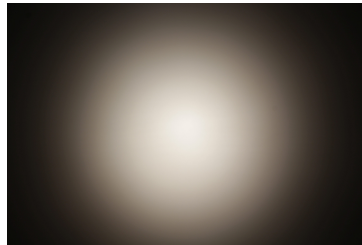
PHOTOMETRIC DATA (MEASURED):

<p>bridgelux.</p> <p>LED V8 Gen7</p> <p>FWHM 16.0 + 46.0°</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>bridgelux.</p> <p>LED Vesta DTW 13mm (21W)</p> <p>FWHM 25.0 + 46.0°</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>		
<p>bridgelux.</p> <p>LED Vesta TW 6mm DP</p> <p>FWHM 15.0 + 48.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 7.3 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>		
<p>bridgelux.</p> <p>LED Vesta TW 9mm (9W) DP</p> <p>FWHM 19.0 + 46.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 4.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Tunable White</p> <p>Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 489 Typ L8</p>		

PHOTOMETRIC DATA (MEASURED):

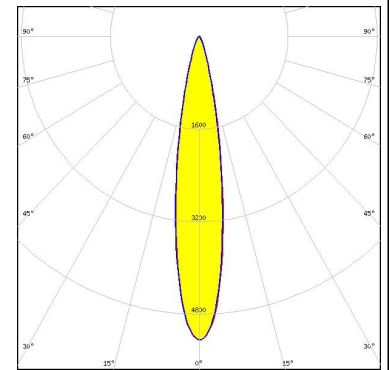
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 21.0 + 47.0°
 Efficiency 85 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



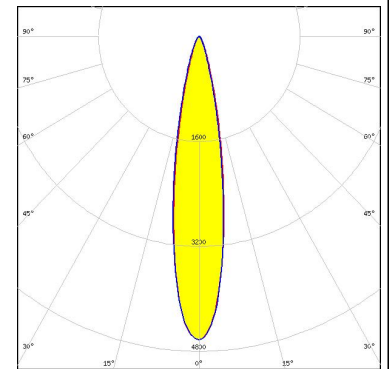
CITIZEN

LED CLU712
 FWHM 19.0 + 47.0°
 Efficiency 85 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



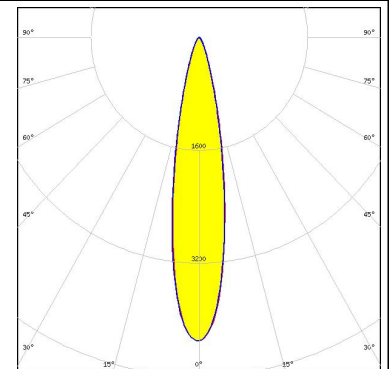
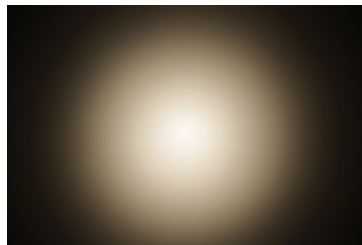
CREE

LED CMA1516
 FWHM 19.0 + 47.0°
 Efficiency 85 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



CREE

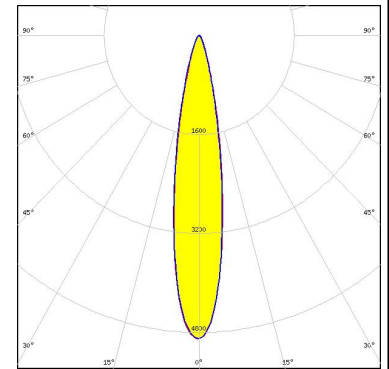
LED CMT14xx
 FWHM 20.0 + 46.0°
 Efficiency 85 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

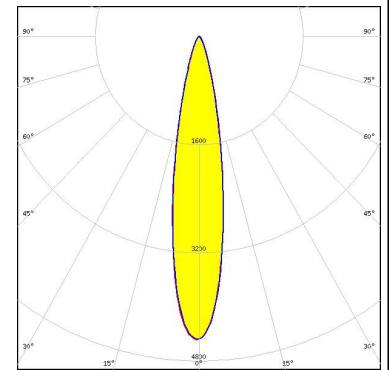
LUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM 19.0 + 47.0°
 Efficiency 86 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



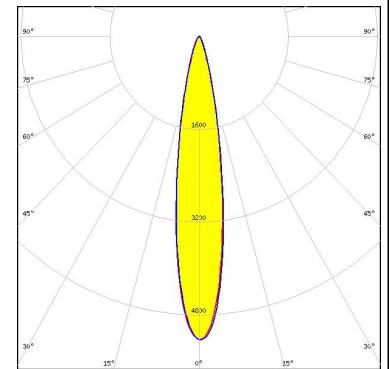
LUMINUS

LED CxM-9 (13.5x13.5)
 FWHM 20.0 + 46.0°
 Efficiency 86 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



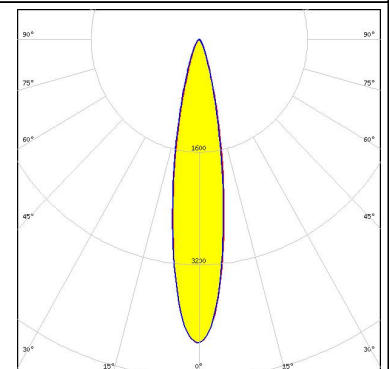
NICHIA

LED COB L-Type (LES 9)
 FWHM 19.0 + 47.0°
 Efficiency 85 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



SAMSUNG

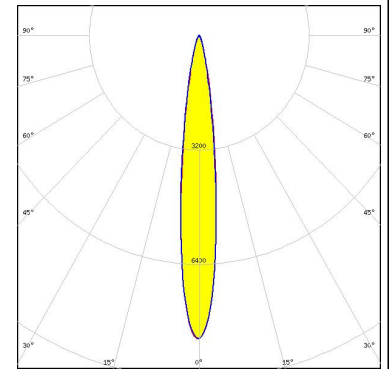
LED LC003D / LC006D / LC009D / LC013D
 FWHM 20.0 + 47.0°
 Efficiency 85 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



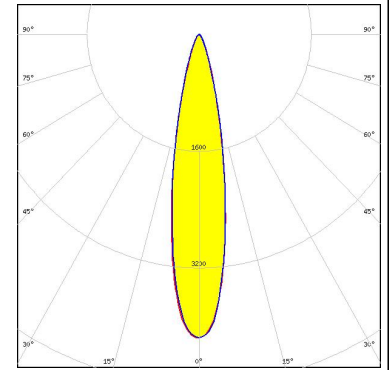
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED LC010C G2
 FWHM 14.0 + 48.0°
 Efficiency 88 %
 Peak intensity 8.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

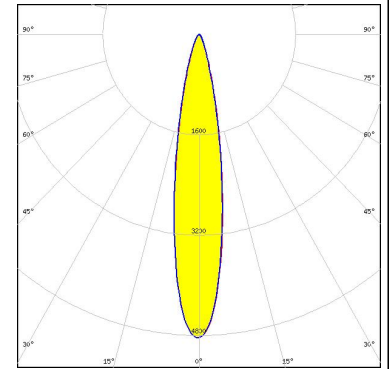


LED MJT COB LES 9.8
 FWHM 21.0 + 47.0°
 Efficiency 86 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



XICATO

LED XOB 9.8 mm
 FWHM 19.0 + 47.0°
 Efficiency 86 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



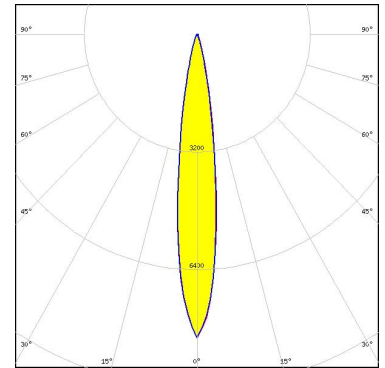
PHOTOMETRIC DATA (SIMULATED):

bridgelux.

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

bridgelux.

LED V6 HD
 FWHM 14.0 + 47.0°
 Efficiency 88 %
 Peak intensity 8.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



bridgelux.

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

CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 20.0 + 46.0°
 Efficiency 78 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C

PHOTOMETRIC DATA (SIMULATED):

CITIZEN

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

CITIZEN

LED CLU7A2 (LES 4.2mm)
FWHM 13.0 + 48.0°
Efficiency 88 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C

CREE

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

CREE

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

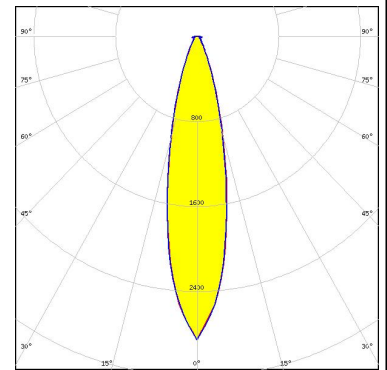
PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB 1202/1203
FWHM 20.0 + 44.0°
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 24.0 + 46.0°
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



NICHIA

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

NICHIA

LED NCSxE17A
FWHM 13.0 + 47.0°
Efficiency 88 %
Peak intensity 10 cd/lm
LEDs/each optic 7
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
FWHM 19.0 + 46.0°
Efficiency 77 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C

SAMSUNG

LED LC010T (Tunable White)
FWHM 18.0 + 46.0°
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

SAMSUNG

LED LC020C
FWHM 14.0 + 46.0°
Efficiency 88 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I

SAMSUNG

LED LC020T (Tunable white)
FWHM 22.0 + 46.0°
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

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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