

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	

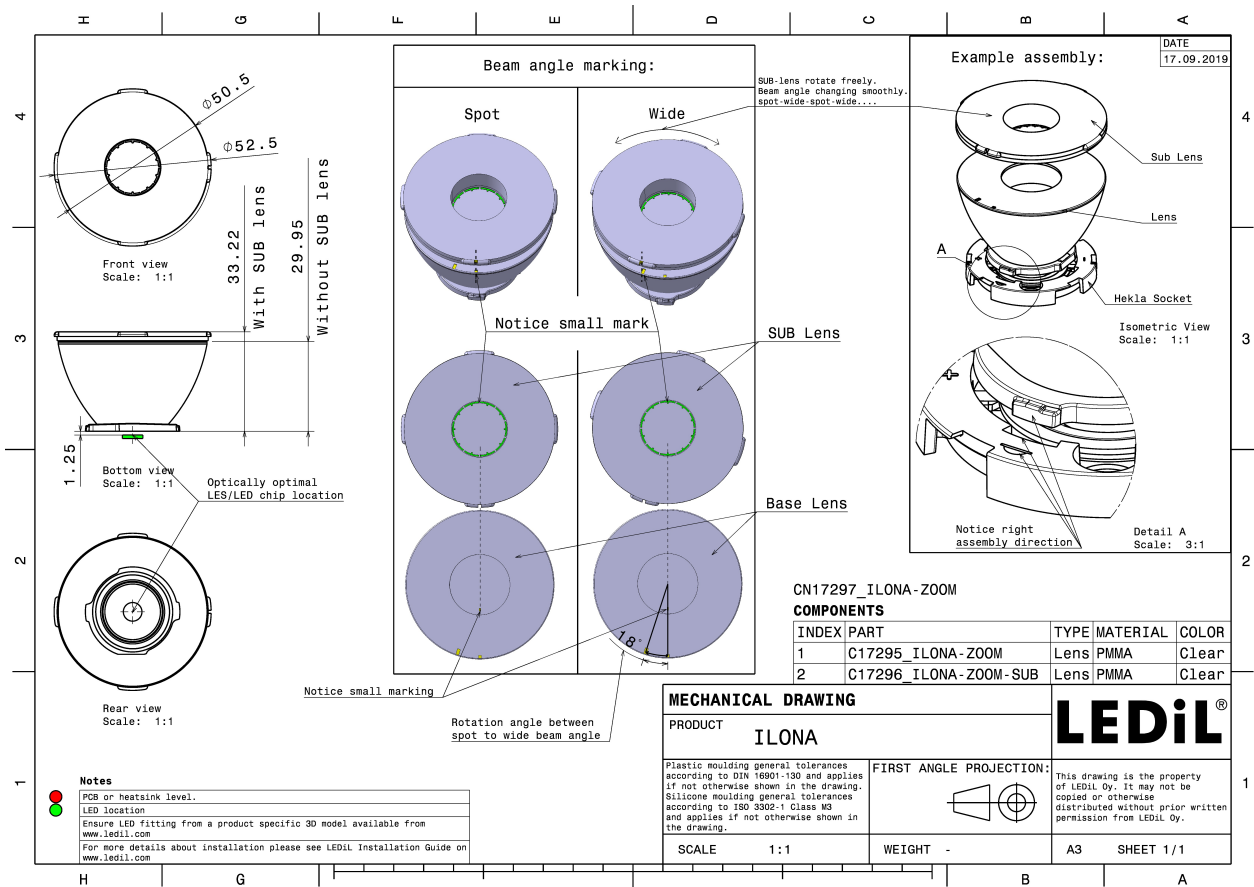
ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Sublens	1



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

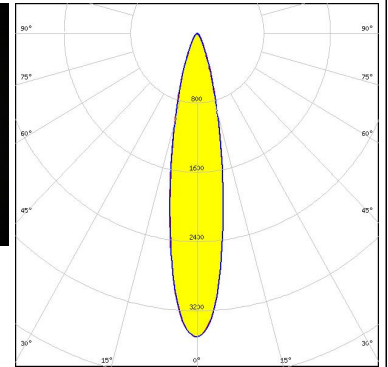


See also our general installation guide: www.ledil.com/installation_guide

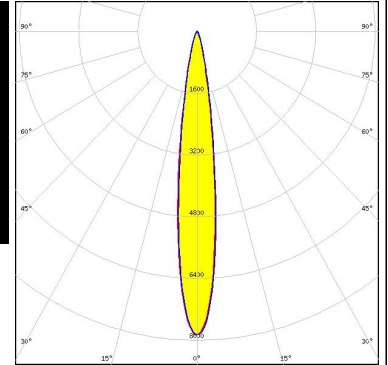
OPTICAL RESULTS (MEASURED):



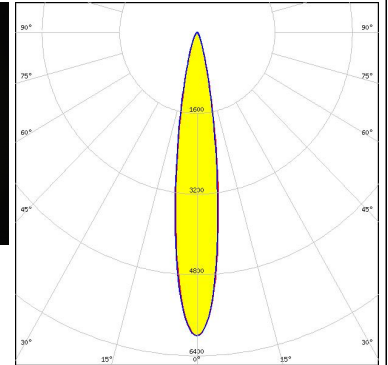
LED V11 HD Gen 8
FWHM / FWTM 21.0 + 46.0° / 45.0 + 88.0°
Efficiency 78 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 633d Hekla



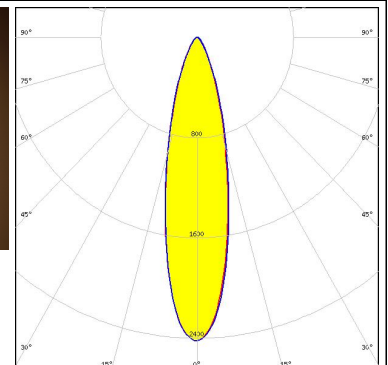
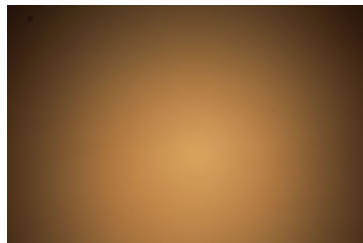
LED V6 HD Gen 7
FWHM / FWTM 14.0 + 48.0° / 30.0 + 84.0°
Efficiency 84 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED V8 Gen7
FWHM / FWTM 16.0 + 46.0° / 35.0 + 83.0°
Efficiency 85 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



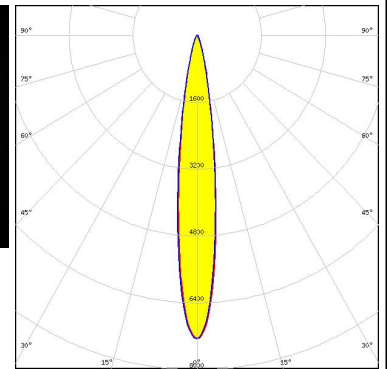
LED Vesta DTW 13mm (21W)
FWHM / FWTM 25.0 + 46.0° / 55.0 + 90.0°
Efficiency 77 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 491 Typ L8



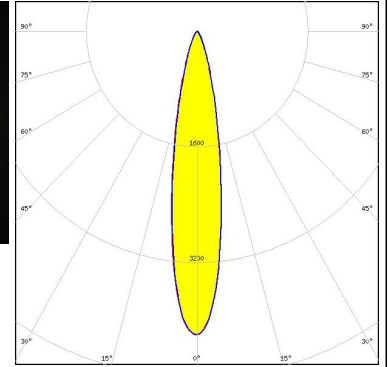
OPTICAL RESULTS (MEASURED):



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

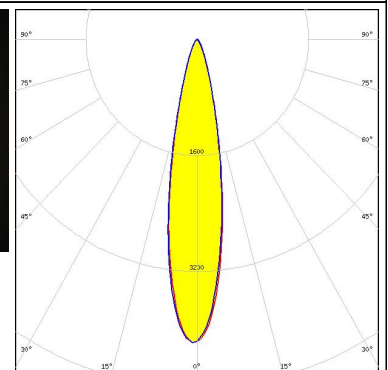
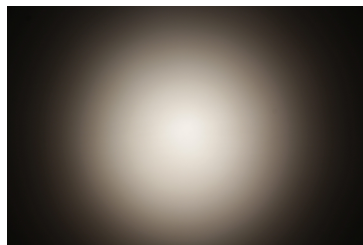


LED Vesta TW 9mm (9W) DP
FWHM / FWTM 19.0 + 46.0° / 42.0 + 86.0°
Efficiency 81 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 489 Typ L8



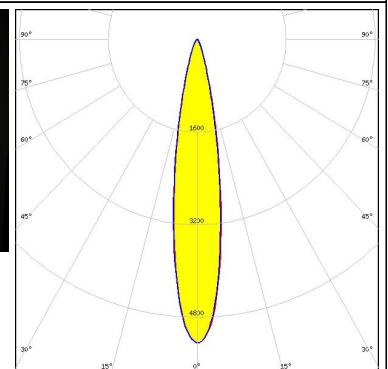
CITIZEN

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



CITIZEN

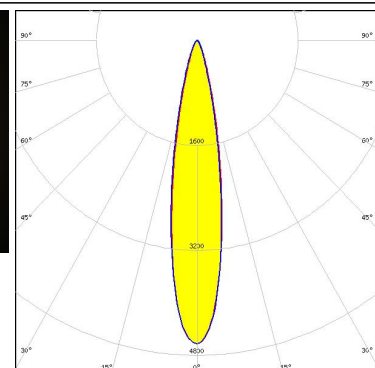
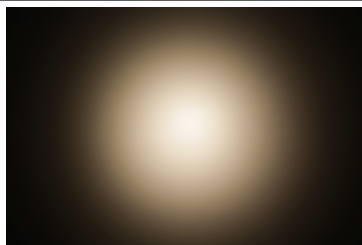
LED CLU712/713
FWHM / FWTM 19.0 + 47.0° / 37.0 + 84.0°
Efficiency 85 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



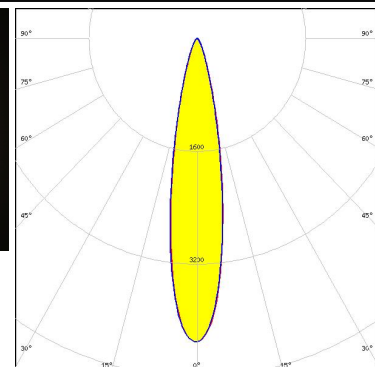
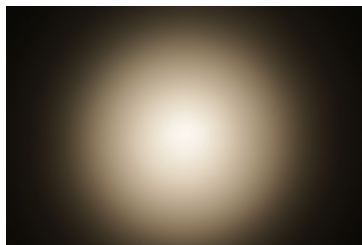
OPTICAL RESULTS (MEASURED):



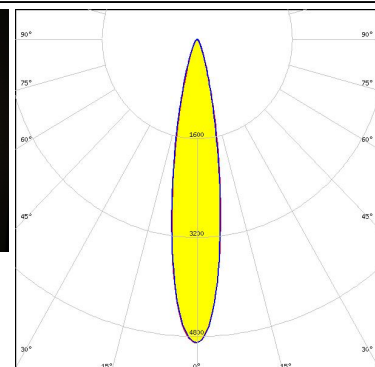
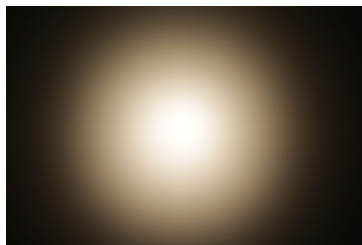
LED CMA1516
FWHM / FWTM 19.0 + 47.0° / 39.0 + 85.0°
Efficiency 85 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



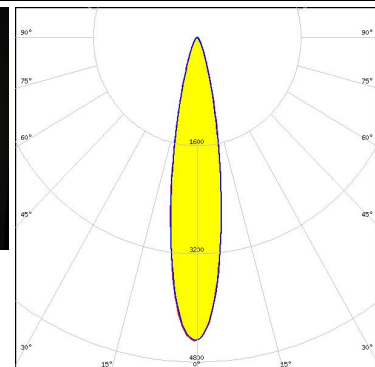
LED CMT14xx
FWHM / FWTM 20.0 + 46.0° / 41.0 + 85.0°
Efficiency 85 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



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/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



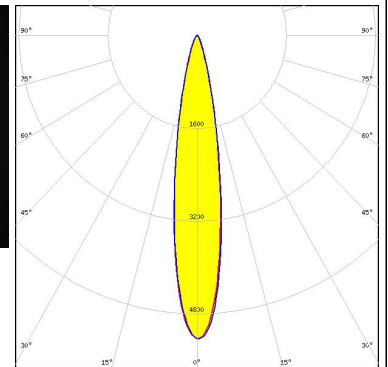
LED CxM-9 (13.5x13.5)
FWHM / FWTM 20.0 + 46.0° / 41.0 + 85.0°
Efficiency 86 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



OPTICAL RESULTS (MEASURED):

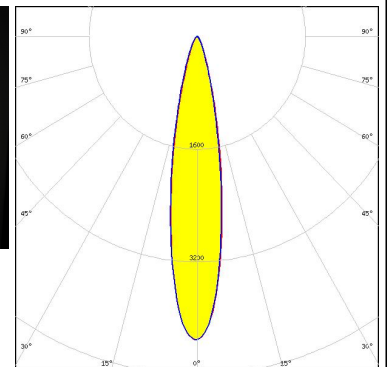


LED COB L-Type (LES 9)
FWHM / FWTM 19.0 + 47.0° / 38.0 + 84.0°
Efficiency 85 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15858_HEKLA-SOCKET-H



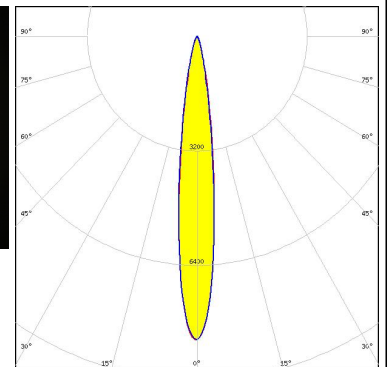
SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 20.0 + 47.0° / 42.0 + 85.0°
Efficiency 85 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



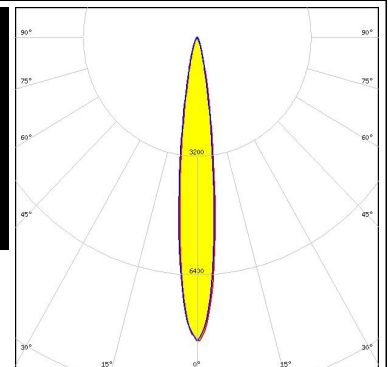
SAMSUNG

LED LC010C G2
FWHM / FWTM 14.0 + 48.0° / 30.0 + 84.0°
Efficiency 88 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C


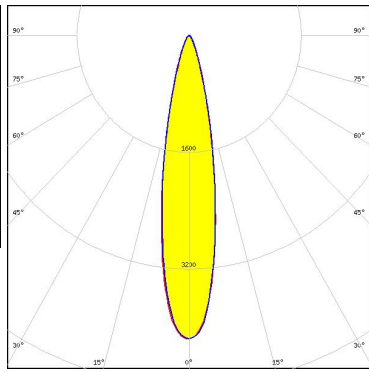

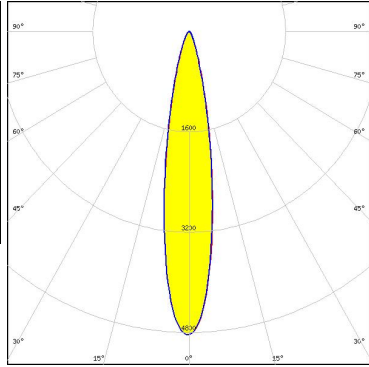


SEOUL SEMICONDUCTOR

LED MJT COB LES 6
FWHM / FWTM 14.0 + 48.0° / 30.0 + 85.0°
Efficiency 84 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



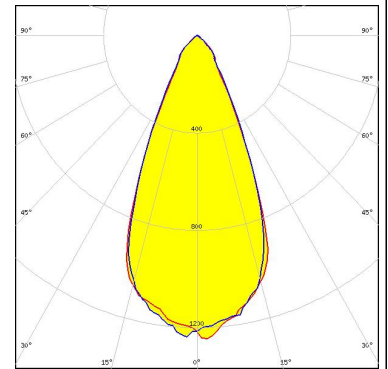
OPTICAL RESULTS (MEASURED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED MJT COB LES 9.8</p> <p>FWHM / FWTM 21.0 + 47.0° / 43.0 + 86.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4.2 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 XOB 9.8 mm</p> <p>FWHM / FWTM 19.0 + 47.0° / 40.0 + 85.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 4.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F15255_HEKLA-SOCKET-C</p>		

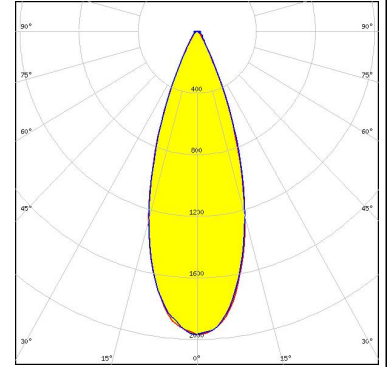
OPTICAL RESULTS (SIMULATED):



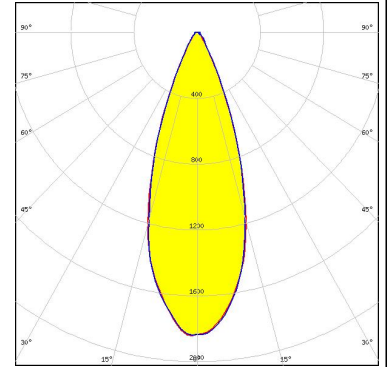
LED V4 HD Gen 7
FWHM / FWTM 12.0 + 46.0° / 25.0 + 76.0°
Efficiency 82 %
Peak intensity 12.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



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

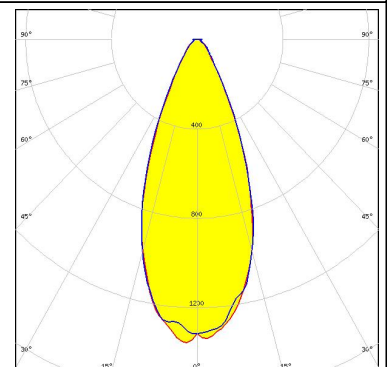


LED Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM 18.0 + 46.0° / 36.0 + 84.0°
Efficiency 86 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 490 Typ L8



CITIZEN

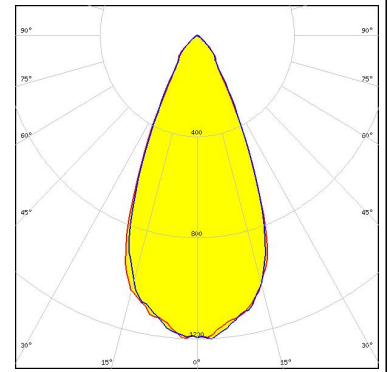
LED CLL03x/CLU03x
FWHM / FWTM 25.0 + 46.0° / 51.0 + 92.0°
Efficiency 85 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



OPTICAL RESULTS (SIMULATED):

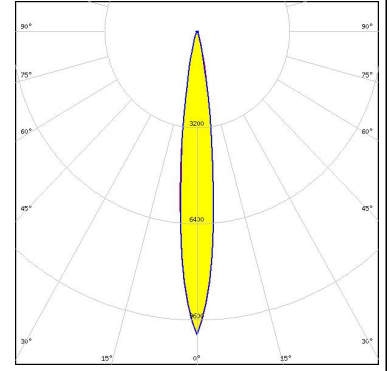
CITIZEN

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



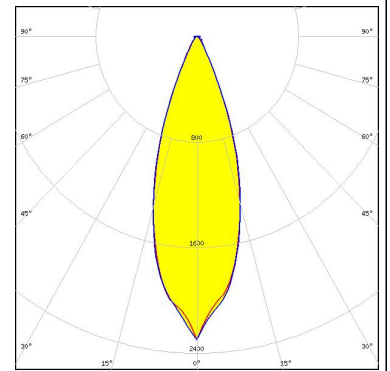
CITIZEN

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



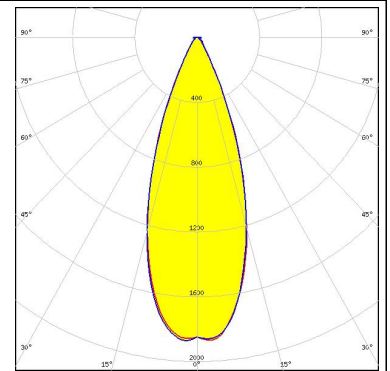
CREE LEDs

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



CREE LEDs

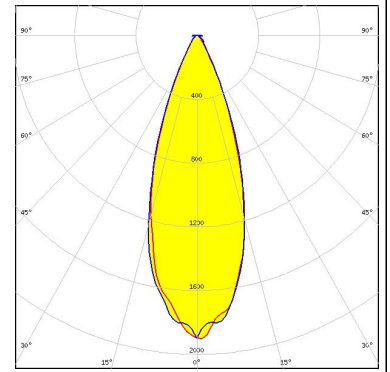
LED CXA/B 15xx
FWHM / FWTM 18.0 + 46.0° / 36.0 + 81.0°
Efficiency 89 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



OPTICAL RESULTS (SIMULATED):

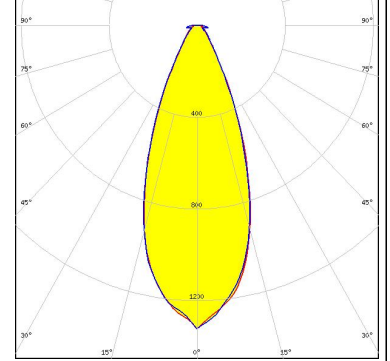
LUMILEDS

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



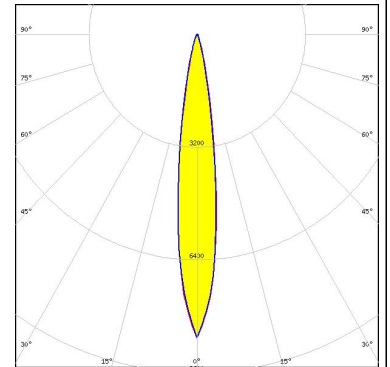
LUMILEDS

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



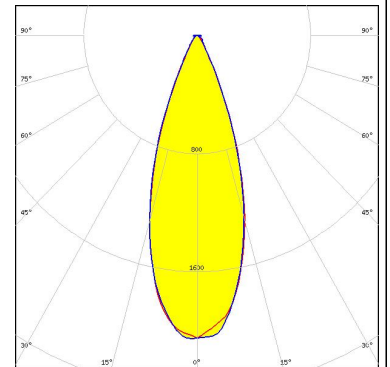
LUMINUS

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

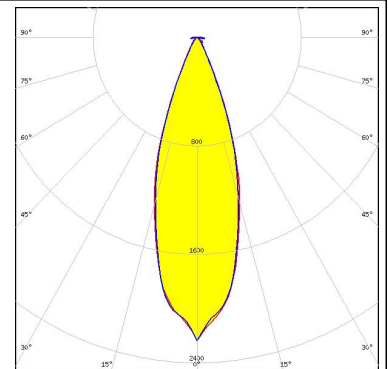
LED COB S-Type (LES 7)
FWHM / FWTM 16.0 + 48.0° / 30.0 + 80.0°
Efficiency 89 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



OPTICAL RESULTS (SIMULATED):

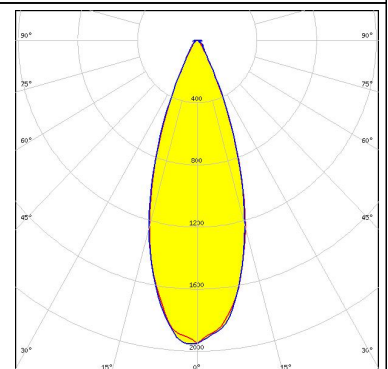


LED NCSxE17A
FWHM / FWTM 13.0 + 47.0° / 27.0 + 75.0°
Efficiency 88 %
Peak intensity 10 cd/lm
LEDs/each optic 7
Light colour White
Required components:



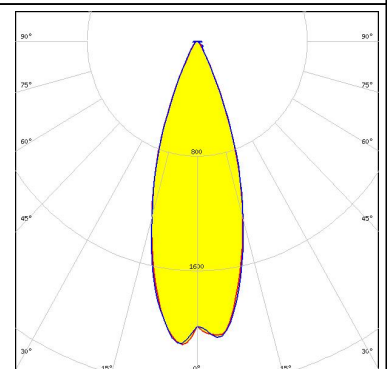
SAMSUNG

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



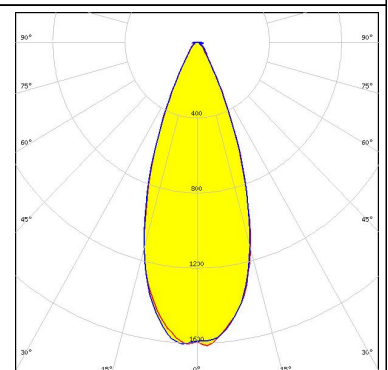
SAMSUNG

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



SAMSUNG

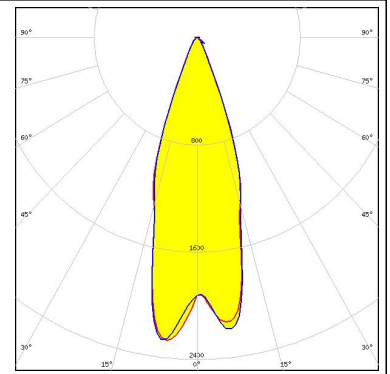
LED LC020T (Tunable white)
FWHM / FWTM 22.0 + 46.0° / 42.0 + 85.0°
Efficiency 86 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 501 Typ L8



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



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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

[www.ledil.com/
where_to_buy](http://www.ledil.com/where_to_buy)