

ILONA-W

~35° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.8 mm
Height	29.7 mm
Fastening	socket
ROHS compliant	yes ⓘ

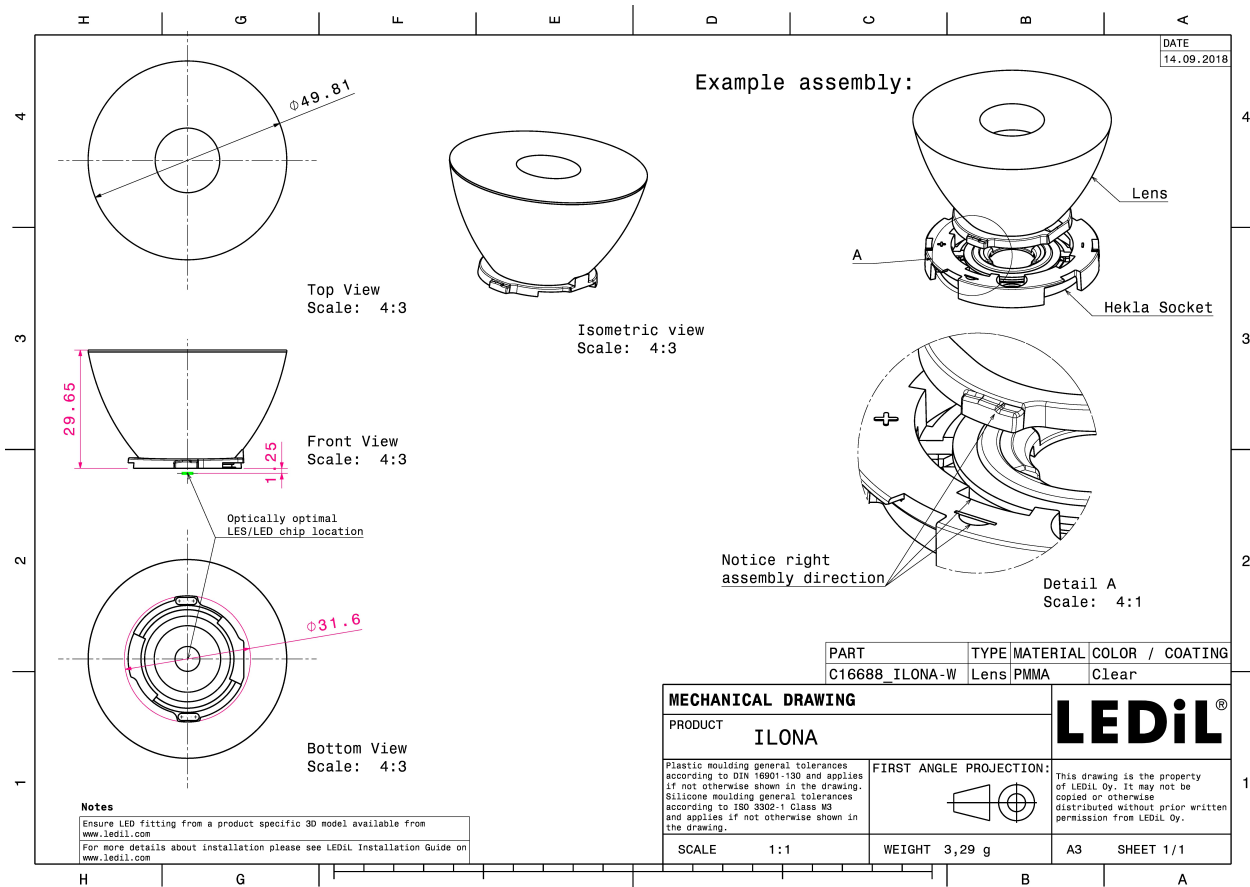
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16688_ILONA-W » Box size: 480 x 280 x 300 mm	264	99	33	10.1



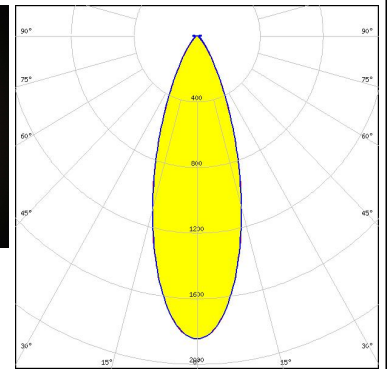
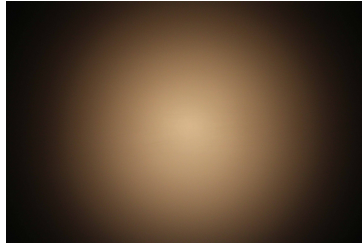


See also our general installation guide: www.ledil.com/installation_guide

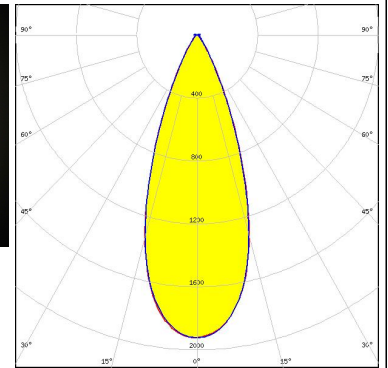
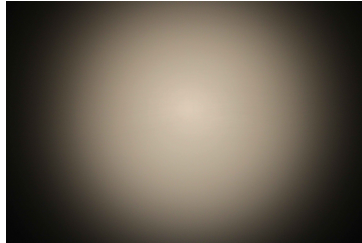
PHOTOMETRIC DATA (MEASURED):



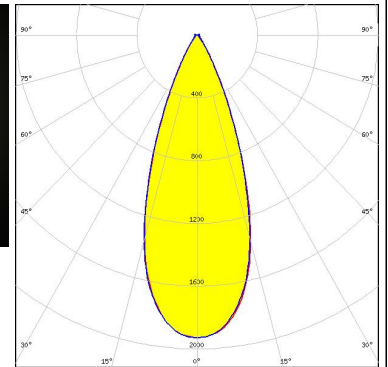
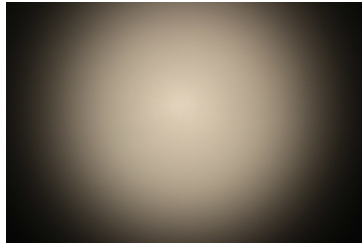
LED V11 HD Gen 8
FWHM / FWTM 35.0° / 67.0°
Efficiency 91 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 633d Hekla



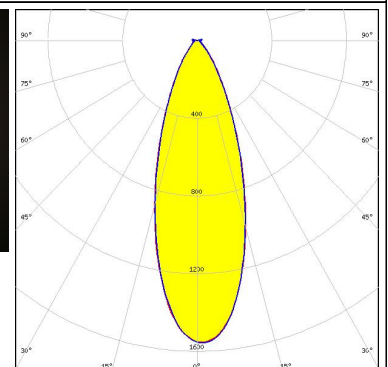
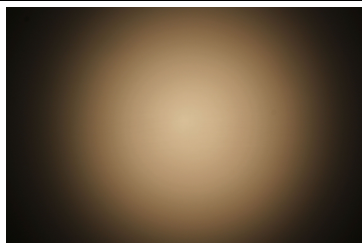
LED V6 HD Gen 7
FWHM / FWTM 38.0° / 62.0°
Efficiency 93 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



LED V6 HD Gen 7
FWHM / FWTM 39.0° / 62.0°
Efficiency 93 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



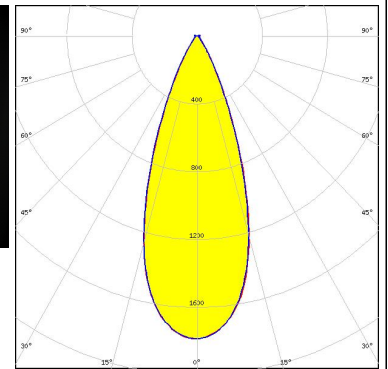
LED Vesta DTW 13mm (21W)
FWHM / FWTM 35.0° / 72.0°
Efficiency 87 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 491 Typ L8



PHOTOMETRIC DATA (MEASURED):

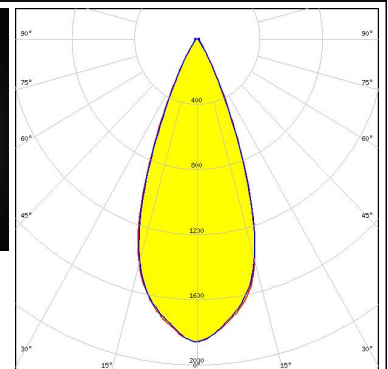
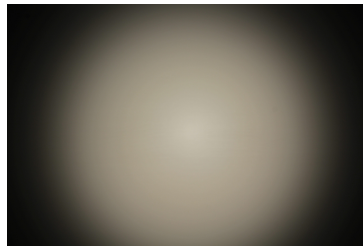


LED Vesta TW 6mm DP
FWHM / FWTM 39.0° / 63.0°
Efficiency 88 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 504 Typ L8

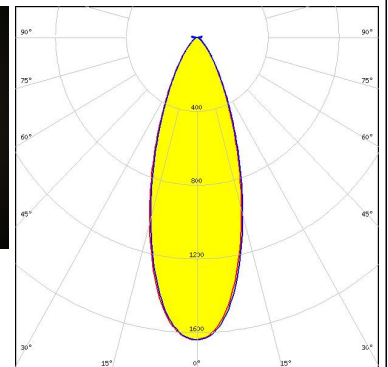
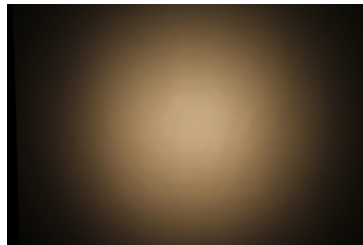


CITIZEN

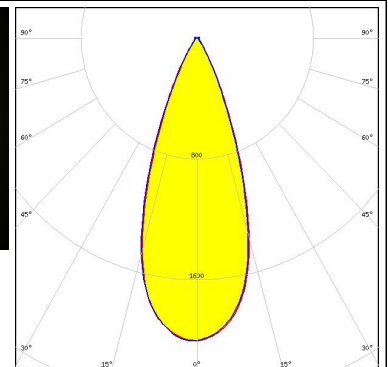
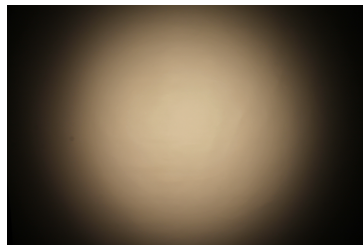
LED CLU7B2
FWHM / FWTM 41.0° / 61.0°
Efficiency 92 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED LUXEON CX Plus CoB L08 (Gen2)
FWHM / FWTM 36.0° / 72.0°
Efficiency 90 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 637a Hekla



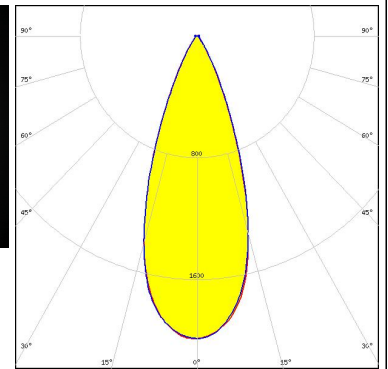
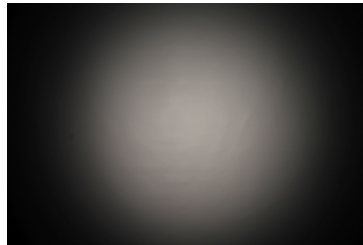
LED LUXEON CX Plus CoB - HD S01H4
FWHM / FWTM 39.0° / 61.0°
Efficiency 93 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Bender Wirth: 634c Hekla



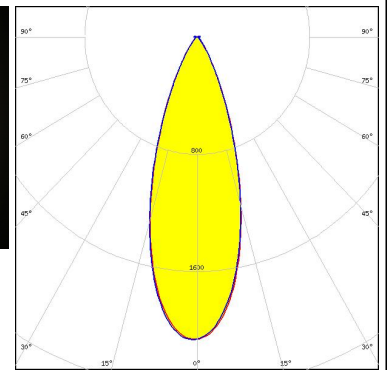
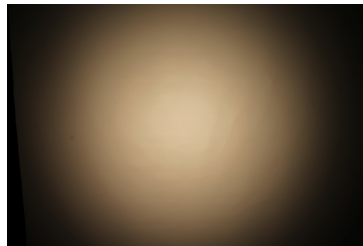
PHOTOMETRIC DATA (MEASURED):



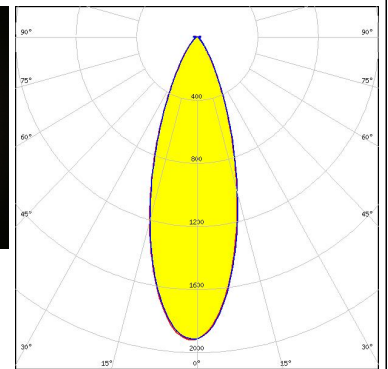
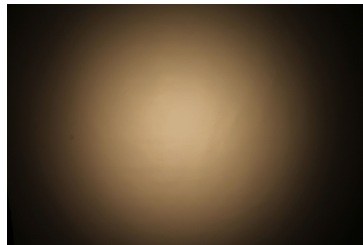
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6
 FWHM / FWTM 38.0° / 61.0°
 Efficiency 93 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



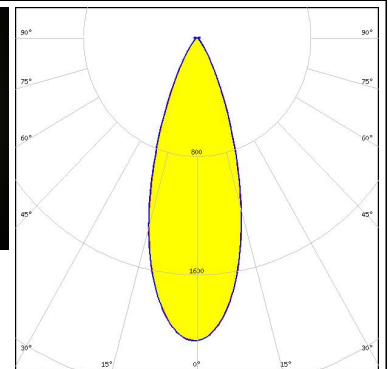
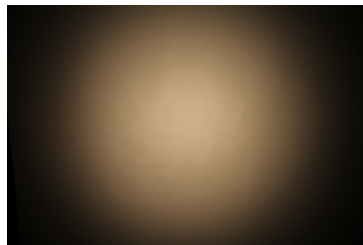
LED LUXEON CX Plus CoB - HD S04H9
 FWHM / FWTM 35.0° / 63.0°
 Efficiency 92 %
 Peak intensity 2.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM / FWTM 34.0° / 66.0°
 Efficiency 92 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



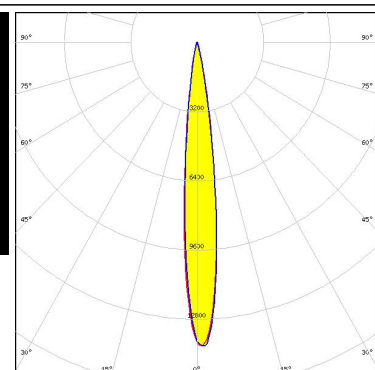
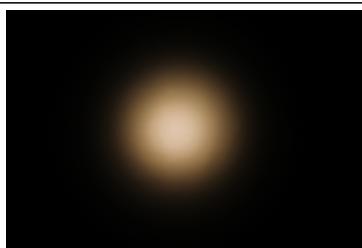
LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM / FWTM 35.0° / 63.0°
 Efficiency 92 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 641a Hekla



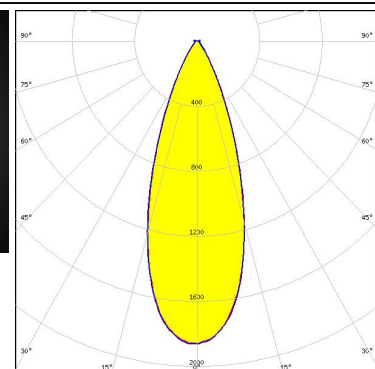
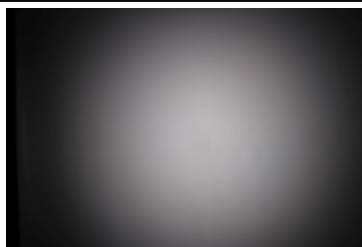
PHOTOMETRIC DATA (MEASURED):



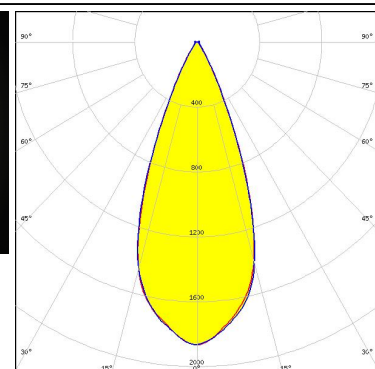
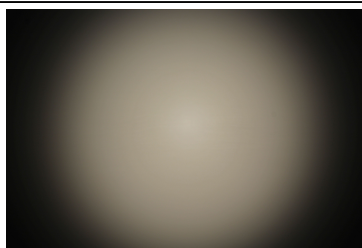
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 94 %
 Peak intensity 14.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



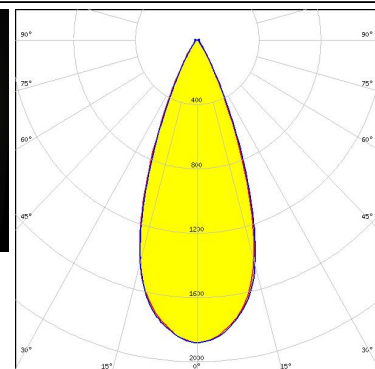
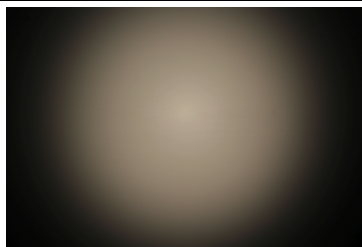
LED LUXEON Fusion 21-up (20x24)
 FWHM / FWTM 37.0° / 64.0°
 Efficiency 91 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 21
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



LED CXM-3
 FWHM / FWTM 41.0° / 61.0°
 Efficiency 93 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



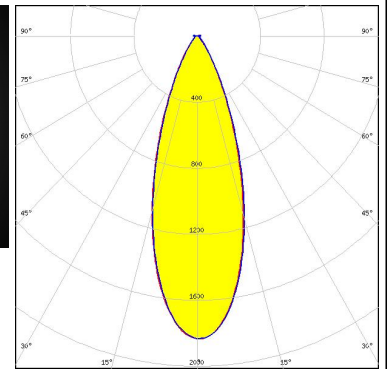
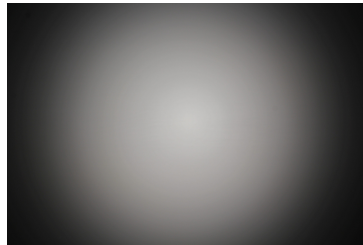
LED CXM-4
 FWHM / FWTM 41.0° / 62.0°
 Efficiency 94 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



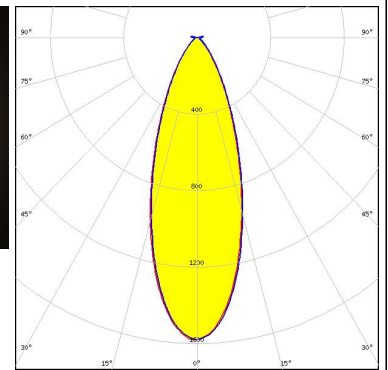
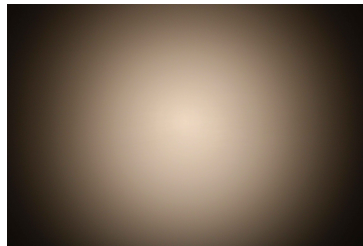
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

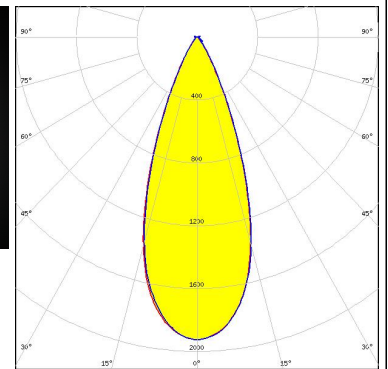
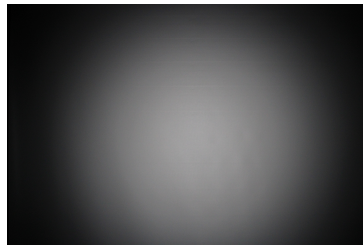
LED LC010T (Tunable White)
FWHM / FWTM 35.0° / 65.0°
Efficiency 90 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 501 Typ L8



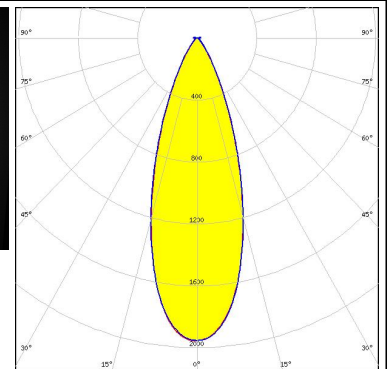
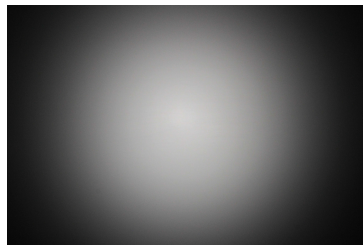
SEOUL SEMICONDUCTOR
LED MJT COB LES 14.5
FWHM / FWTM 36.0° / 74.0°
Efficiency 90 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



SEOUL SEMICONDUCTOR
LED MJT COB LES 6
FWHM / FWTM 39.0° / 63.0°
Efficiency 94 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



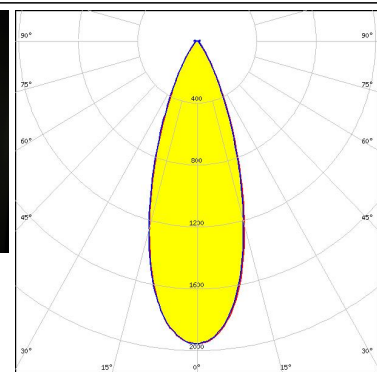
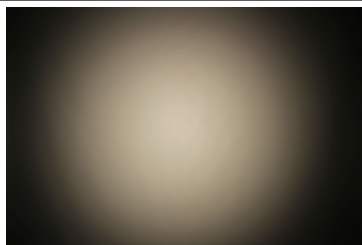
SEOUL SEMICONDUCTOR
LED MJT COB LES 9.8
FWHM / FWTM 35.0° / 65.0°
Efficiency 93 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

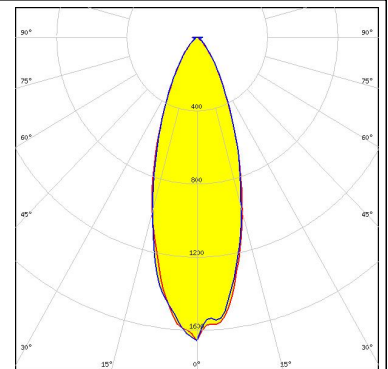
LED SLE G7 LES09
FWHM / FWTM 36.0° / 64.0°
Efficiency 92 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



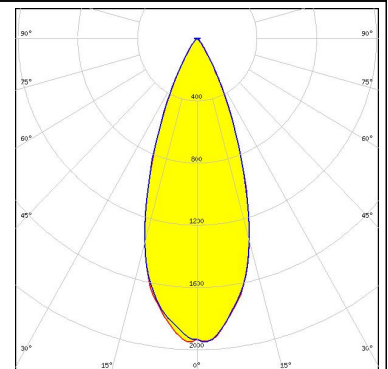
PHOTOMETRIC DATA (SIMULATED):



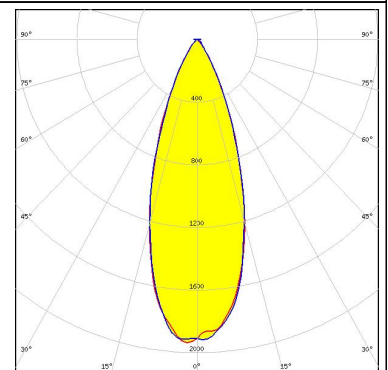
LED V13 Gen 8
FWHM / FWTM 36.0° / 72.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



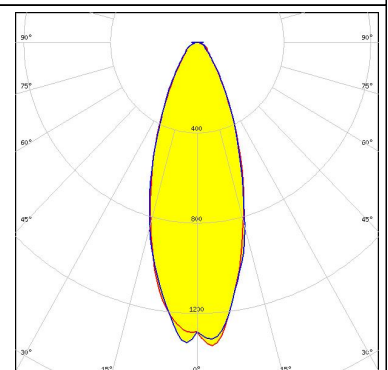
LED V4 HD Gen 7
FWHM / FWTM 38.0° / 64.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



LED V9 HD Gen7
FWHM / FWTM 36.0° / 64.0°
Efficiency 89 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



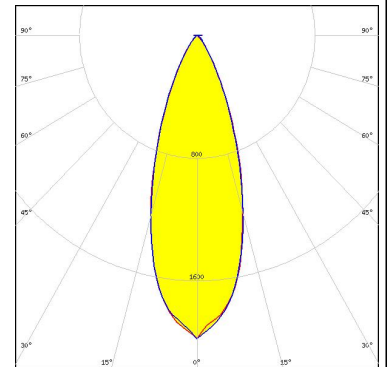
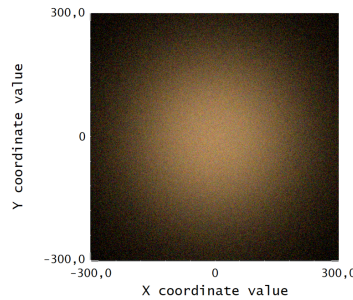
LED Vero SE 13
FWHM / FWTM 37.0° / 78.0°
Efficiency 85 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



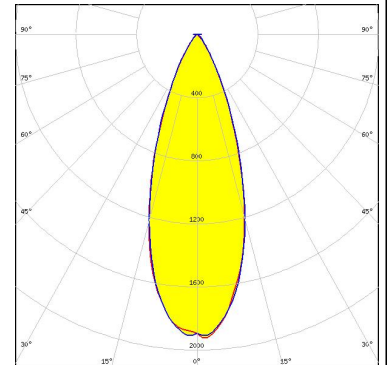
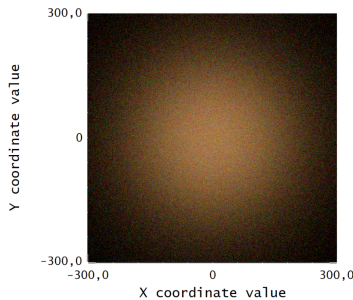
PHOTOMETRIC DATA (SIMULATED):



LED VERO10
FWHM / FWTM 36.0° / 64.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15616_HEKLA-SOCKET-F

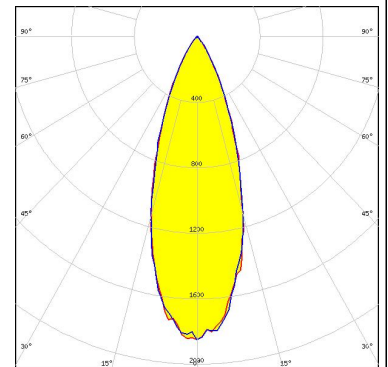


LED Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM 36.0° / 64.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 490 Typ L8



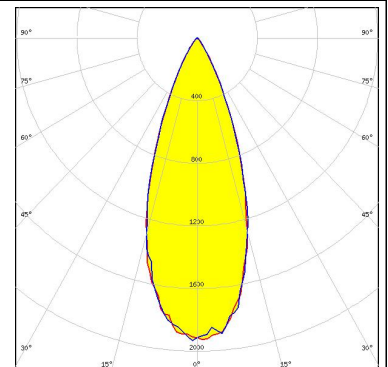
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 35.0° / 64.0°
Efficiency 79 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



CITIZEN

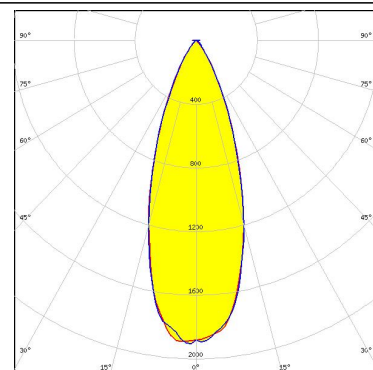
LED CLU700/701/702
FWHM / FWTM 38.0° / 63.0°
Efficiency 84 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

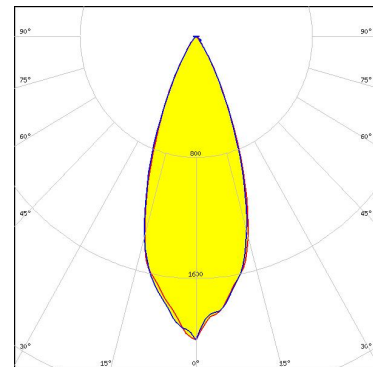
CITIZEN

LED CLU712
FWHM / FWTM 36.0° / 66.0°
Efficiency 90 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



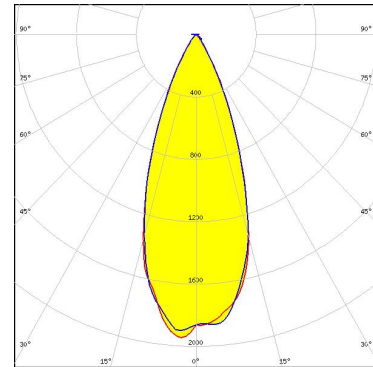
CREE LED

LED CHA0304
FWHM / FWTM 38.0° / 62.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



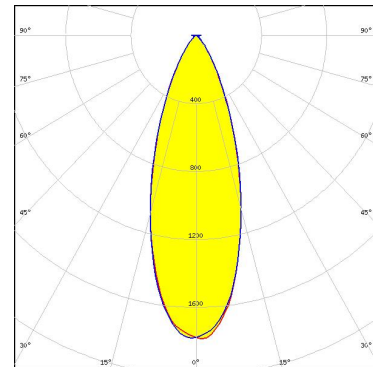
CREE LED

LED CHA0410
FWHM / FWTM 38.0° / 63.0°
Efficiency 91 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



CREE LED

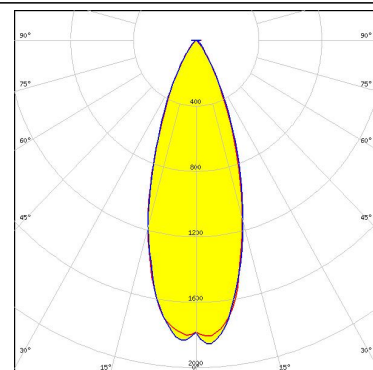
LED CMA1825
FWHM / FWTM 35.0° / 68.0°
Efficiency 87 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15254_HEKLA-SOCKET-B



PHOTOMETRIC DATA (SIMULATED):

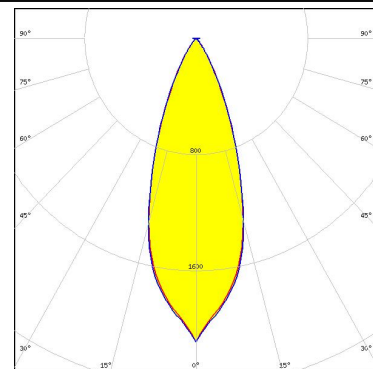
LUMILEDS

LED LUXEON CoB 1202/1203
FWHM / FWTM 36.0° / 66.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



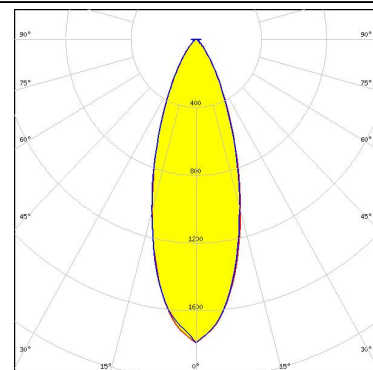
LUMILEDS

LED LUXEON CoB 1202s
FWHM / FWTM 36.0° / 64.0°
Efficiency 91 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

LED LUXEON CoB 1204/1205
FWHM / FWTM 35.0° / 69.0°
Efficiency 87 %
Peak intensity 1.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



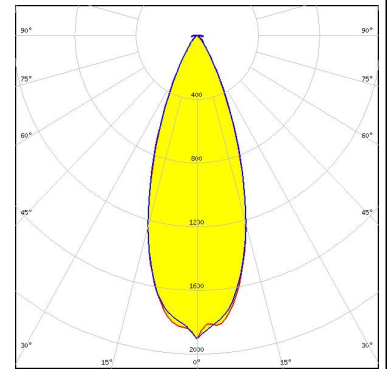
LUMILEDS

LED LUXEON CoB 1208
FWHM / FWTM 32.0° / 62.0°
Efficiency 88 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

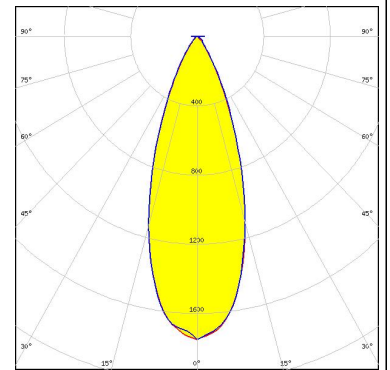
PHOTOMETRIC DATA (SIMULATED):



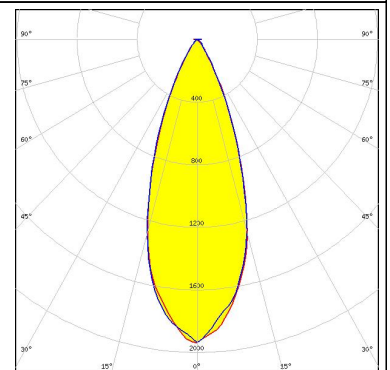
LED COB S-Type (LES 7)
FWHM / FWTM 36.0° / 64.0°
Efficiency 90 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



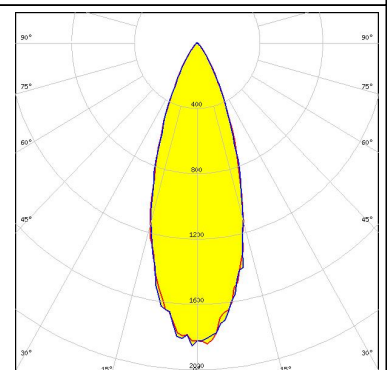
LED NFSWE11A
FWHM / FWTM 36.0° / 65.0°
Efficiency 83 %
Peak intensity 1.8 cd/lm
LEDs/each optic 30
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



LED Duris S8
FWHM / FWTM 38.0° / 64.0°
Efficiency 88 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



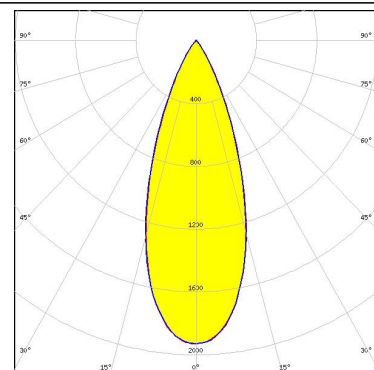
LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 35.0° / 64.0°
Efficiency 80 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

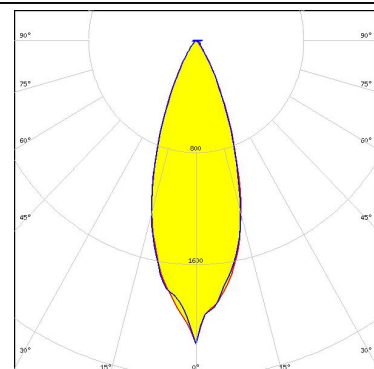
SAMSUNG

LED LC010C
FWHM / FWTM 38.0° / 64.0°
Efficiency 87 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



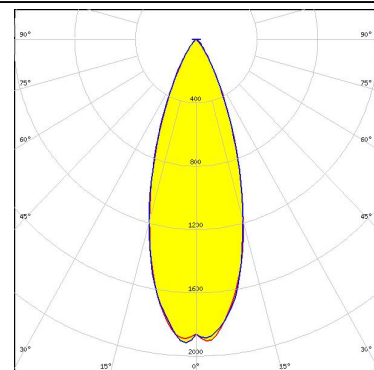
SAMSUNG

LED LC020C
FWHM / FWTM 34.0° / 62.0°
Efficiency 90 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17438_HEKLA-G2-I



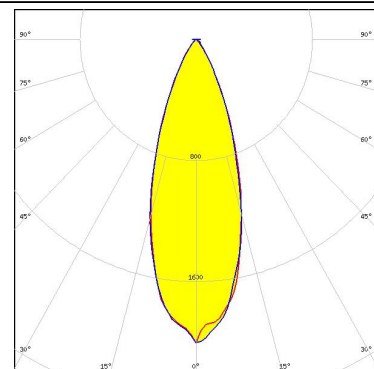
XICATO

LED XOB 9.8 mm
FWHM / FWTM 36.0° / 65.0°
Efficiency 88 %
Peak intensity 1.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



XICATO

LED XTM - 9mm LES
FWHM / FWTM 35.0° / 64.0°
Efficiency 89 %
Peak intensity 2 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:

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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)