

ILONA-M

~25° wide beam

TECHNICAL SPECIFICATIONS:

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

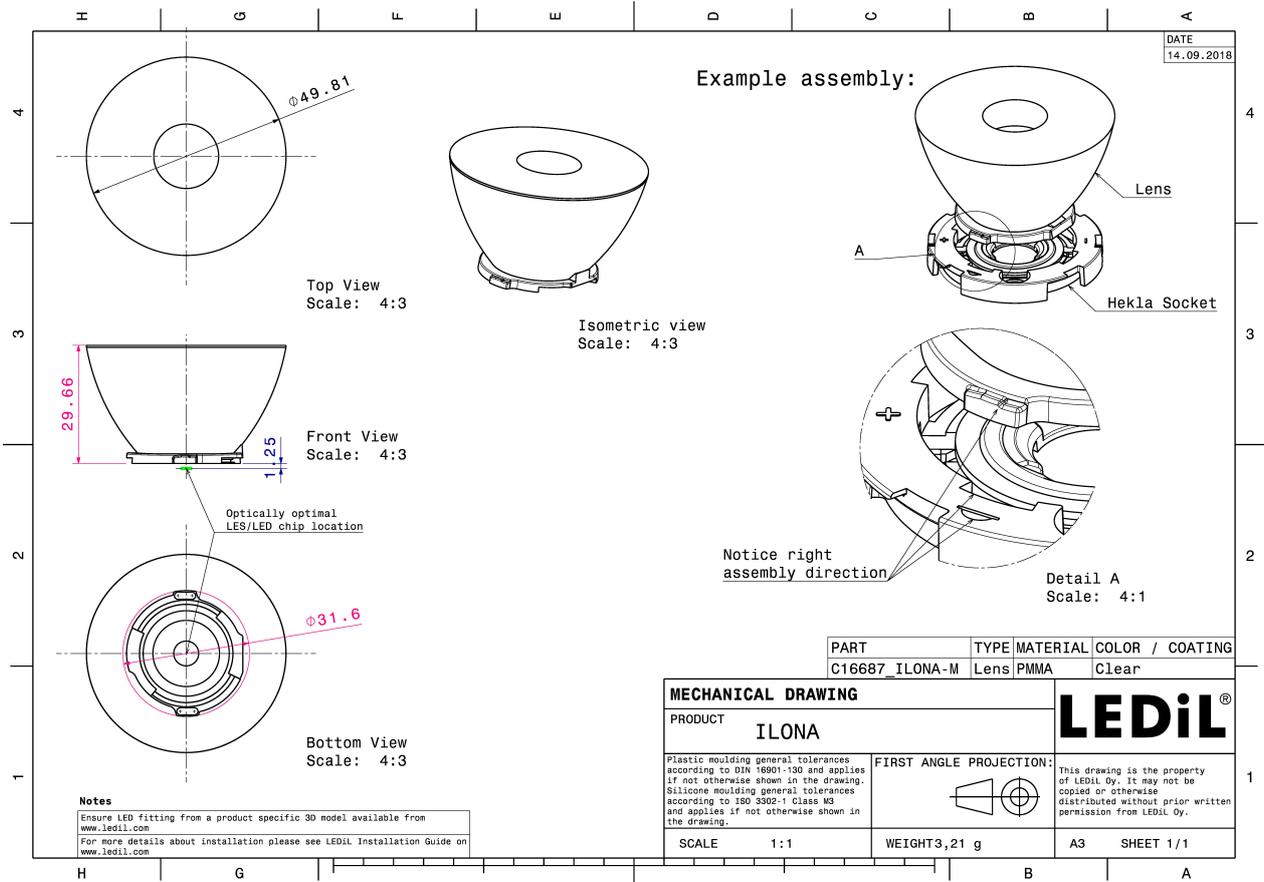
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16687_ILONA-M » Box size: 480 x 280 x 300 mm	297	99	33	11.0



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

PHOTOMETRIC DATA (MEASURED):

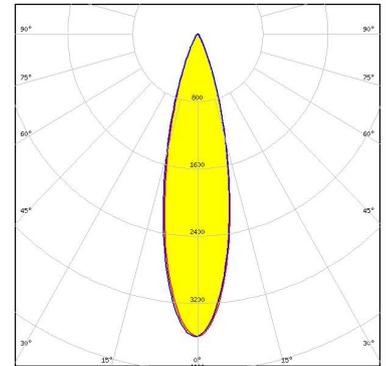
bridgelux.

LED Vesta DTW 13mm (21W)
 FWHM 31.0°
 Efficiency 90 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



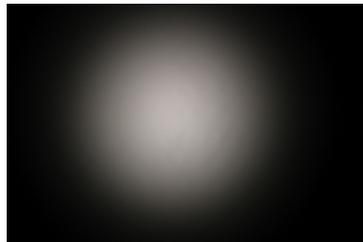
bridgelux.

LED Vesta DTW 9mm (4W/6W/12W)
 FWHM 25.0°
 Efficiency 93 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 490 Typ L8



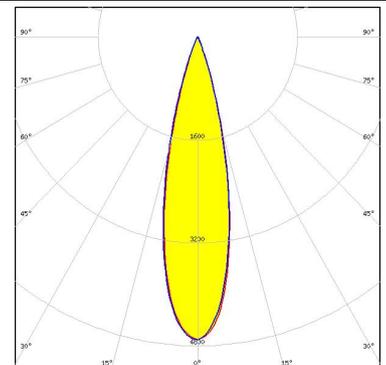
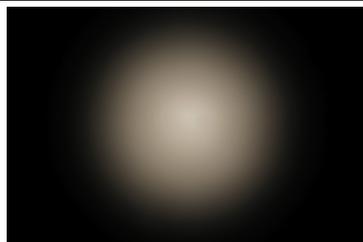
bridgelux.

LED Vesta TW 6mm DP
 FWHM 26.0°
 Efficiency 91 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8



CITIZEN

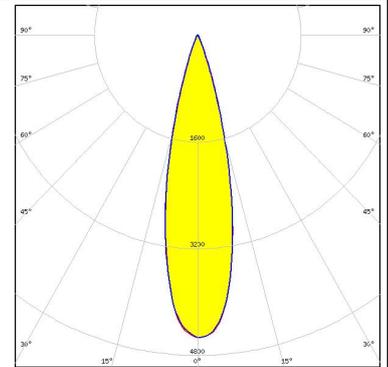
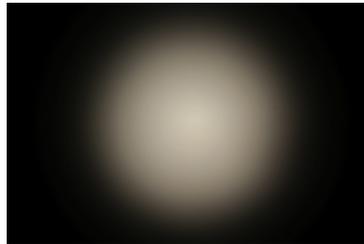
LED CLU7A2 (LES 4.2mm)
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

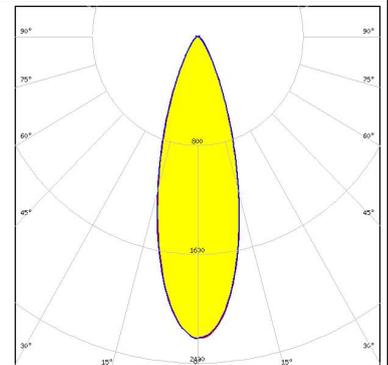
CITIZEN

LED CLU7B2
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



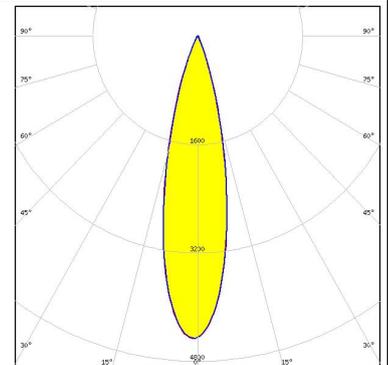
LUMILEDS

LED LUXEON CX Plus CoB L08 (Gen2)
 FWHM 32.0°
 Efficiency 92 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



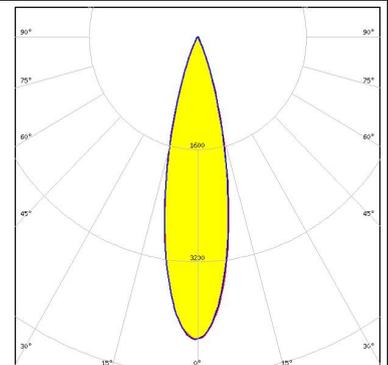
LUMILEDS

LED LUXEON CX Plus CoB - HD S01H4
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



LUMILEDS

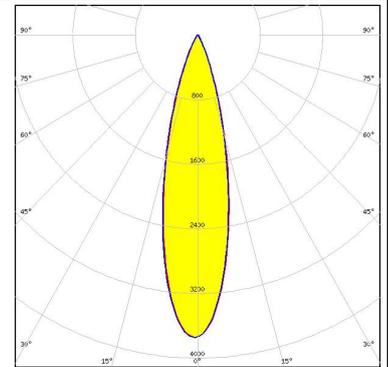
LED LUXEON CX Plus CoB - HD S01H6 / HD S02H6
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



PHOTOMETRIC DATA (MEASURED):

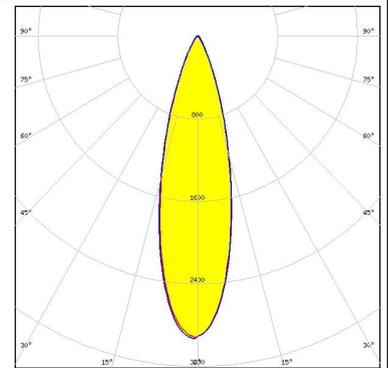
LUMILEDS

LED LUXEON CX Plus CoB - HD S04H9
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



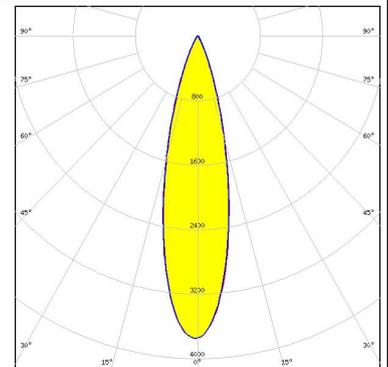
LUMILEDS

LED LUXEON CX Plus CoB L04 / L05 (Gen2)
 FWHM 28.0°
 Efficiency 93 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 637a Hekla



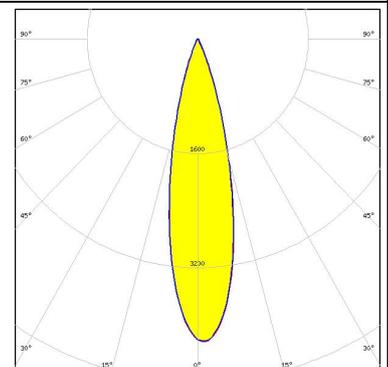
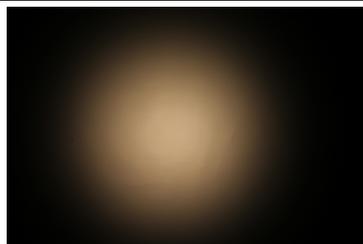
LUMILEDS

LED LUXEON CX Plus CoB M02 / M03 (Gen2)
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 641a Hekla



LUMILEDS

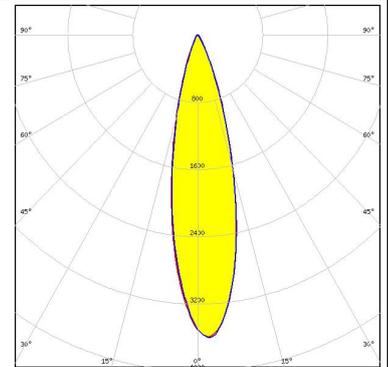
LED LUXEON CX Plus CoB S01 (Gen2)
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 634c Hekla



PHOTOMETRIC DATA (MEASURED):

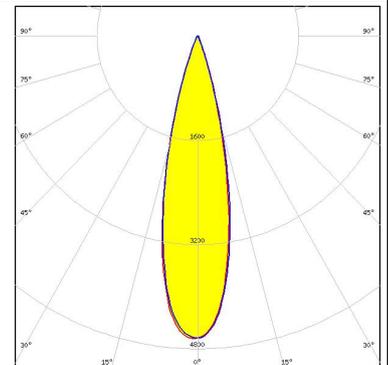
LUMILEDS

LED LUXEON Fusion 21-up (20x24)
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 21
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 442 Typ L8



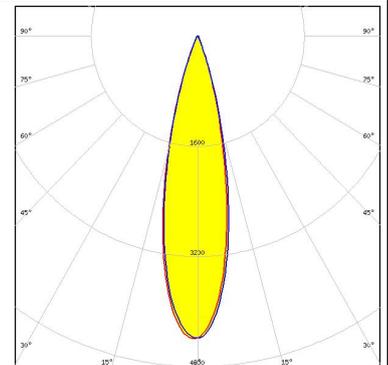
LUMINUS

LED CXM-3
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



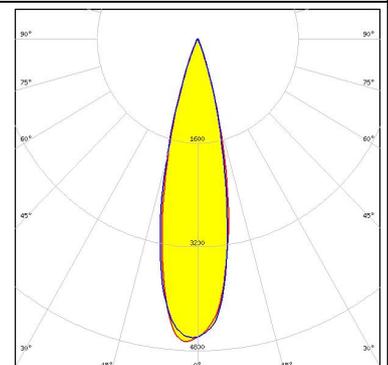
LUMINUS

LED CXM-4
 FWHM 24.0°
 Efficiency 92 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



OSRAM Opto Semiconductors

LED OSTAR Stage (S2WN)
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I

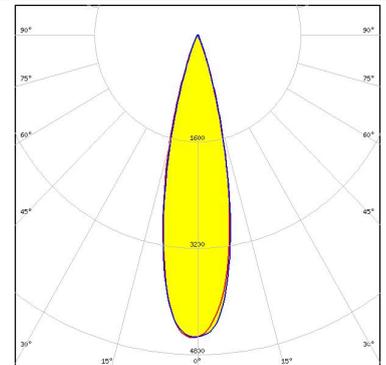
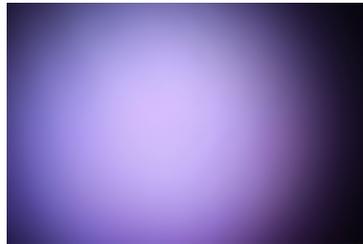


PHOTOMETRIC DATA (MEASURED):

OSRAM

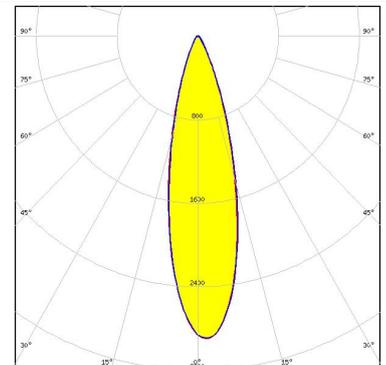
Opto Semiconductors

LED OSTAR Stage (S2WP)
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



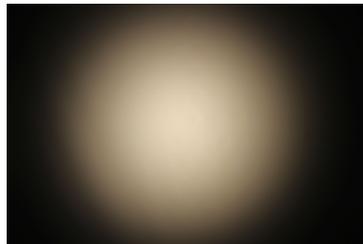
SAMSUNG

LED LC010T (Tunable White)
 FWHM 26.0°
 Efficiency 88 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



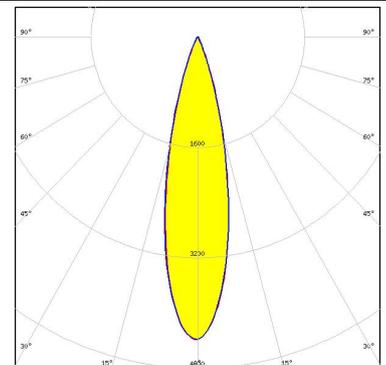
TRIDONIC

LED SLE G7 LES09
 FWHM 25.0°
 Efficiency 94 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



XICATO

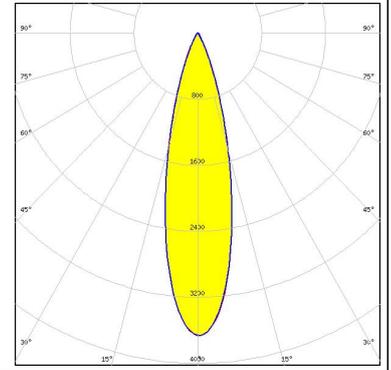
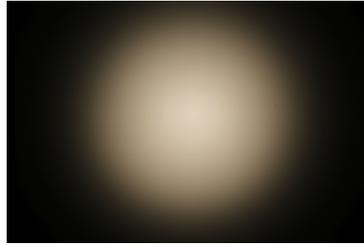
LED XOB 6 mm
 FWHM 24.0°
 Efficiency 94 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

XICATO

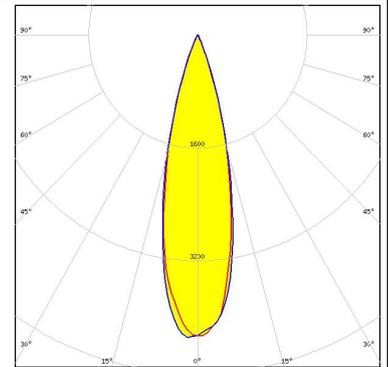
LED XOB 9.8 mm
FWHM 26.0°
Efficiency 94 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (SIMULATED):

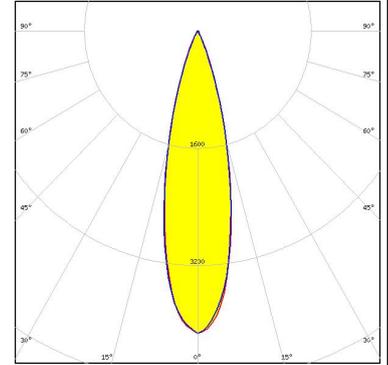
bridgelux.

LED V4 HD
 FWHM 26.0°
 Efficiency 93 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15490_HEKLA-A



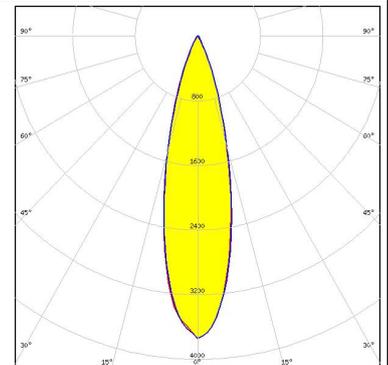
bridgelux.

LED V6 HD
 FWHM 26.0°
 Efficiency 94 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



bridgelux.

LED V9 HD
 FWHM 26.0°
 Efficiency 93 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



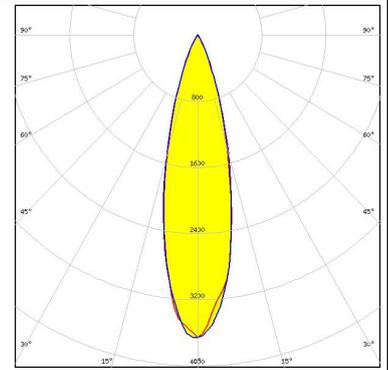
bridgelux.

LED Vero SE 10
 FWHM 26.0°
 Efficiency 93 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

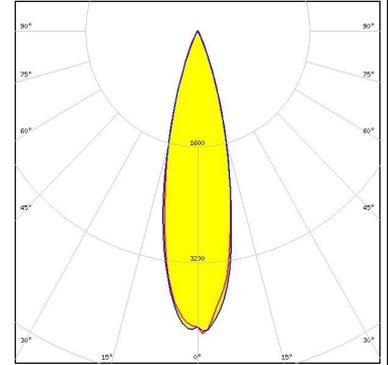
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM 26.0°
 Efficiency 91 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15501_HEKLA-C



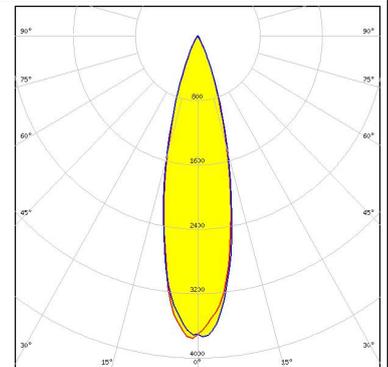
CITIZEN

LED CLU700/701/702
 FWHM 26.0°
 Efficiency 92 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15501_HEKLA-C



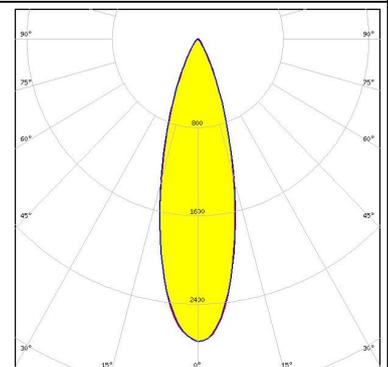
CITIZEN

LED CLU710/711
 FWHM 26.0°
 Efficiency 91 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15949_HEKLA-I



CREE

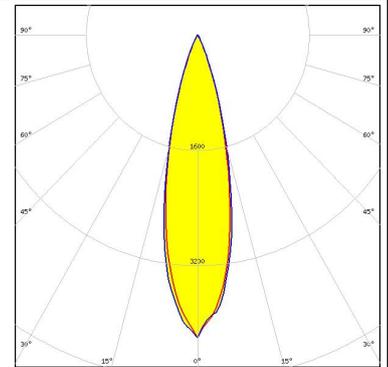
LED CMA1825
 FWHM 30.0°
 Efficiency 91 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



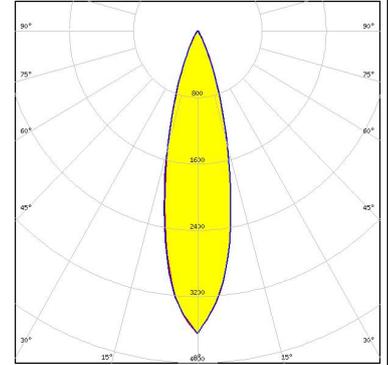
PHOTOMETRIC DATA (SIMULATED):



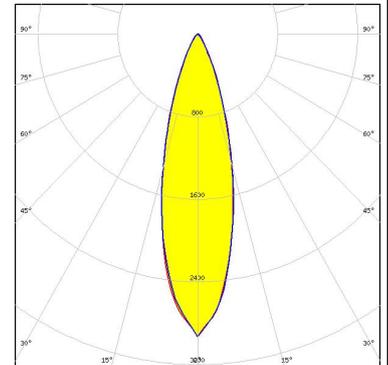
LED CXA/B 13xx
 FWHM 25.0°
 Efficiency 91 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 FP15957_HEKLA-J



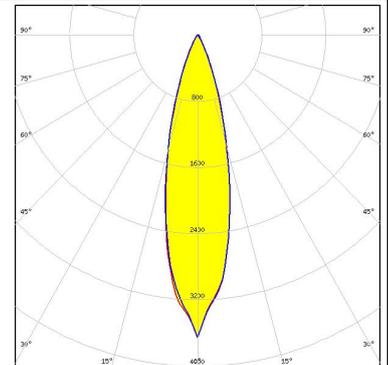
LED CXA/B 15xx
 FWHM 26.0°
 Efficiency 92 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15256_HEKLA-SOCKET-D



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 28.0°
 Efficiency 94 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



LED LUXEON CoB 1202/1203
 FWHM 26.0°
 Efficiency 92 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON CoB 1202s
FWHM 26.0°
Efficiency 95 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

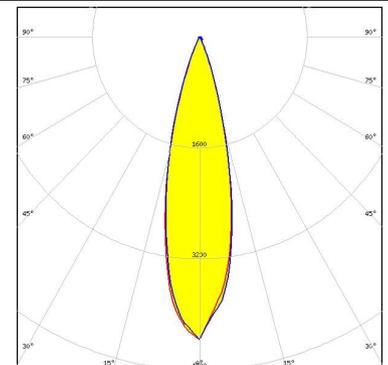
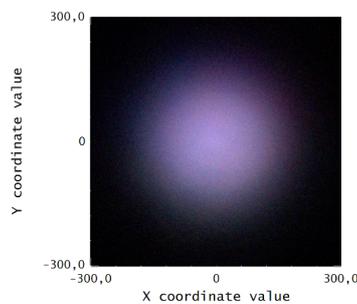
LED LUXEON CoB 1204/1205
FWHM 30.0°
Efficiency 91 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

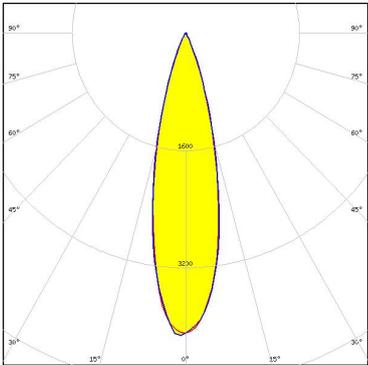
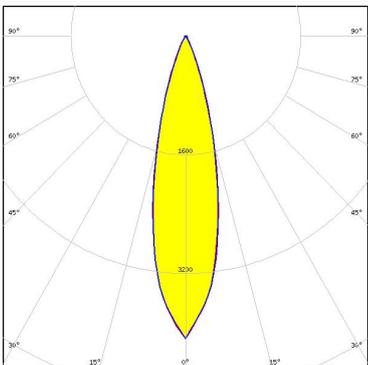
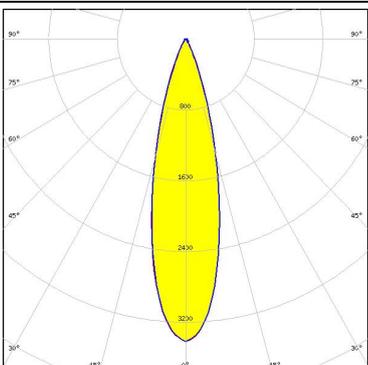
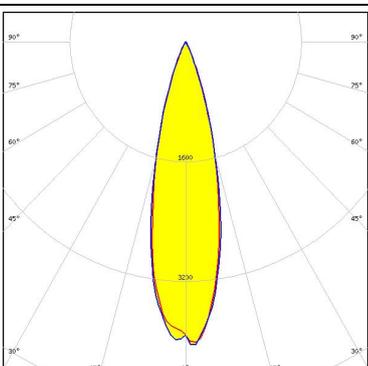
LED LUXEON CoB 1208
FWHM 32.0°
Efficiency 88 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Rubix
FWHM 25.0°
Efficiency 94 %
Peak intensity 4.4 cd/lm
LEDs/each optic 4
Light colour RGBW
Required components:



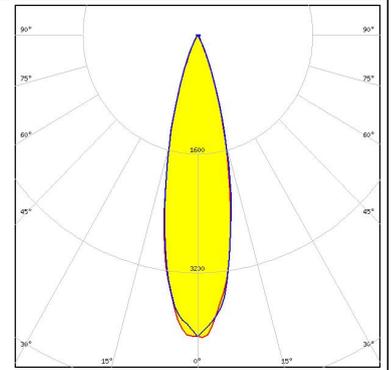
PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED COB S-Type (LES 6) FWHM 26.0° Efficiency 92 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p>	
<p>NICHIA</p> <p>LED COB S-Type (LES 7) FWHM 26.0° Efficiency 94 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components: F15848_HEKLA-SOCKET-G</p>	
<p>NICHIA</p> <p>LED NFSWE11A FWHM 26.0° Efficiency 87 % Peak intensity 3.4 cd/lm LEDs/each optic 30 Light colour White Required components: C16142_HEKLA-SOCKET-K</p>	
<p>SAMSUNG</p> <p>LED LC010C FWHM 26.0° Efficiency 92 % Peak intensity 4.1 cd/lm LEDs/each optic 1 Light colour White Required components: FP15947_HEKLA-G</p>	

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED LC020C
FWHM 26.0°
Efficiency 93 %
Peak intensity 4.1 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.

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)