

YASMEEN-50-S-C

~15° spot beam. Assembly with holder C compatible with HEKLA sockets and connectors. Black version.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 49.9 mm
Height	28.1 mm
ROHS compliant	yes ⓘ

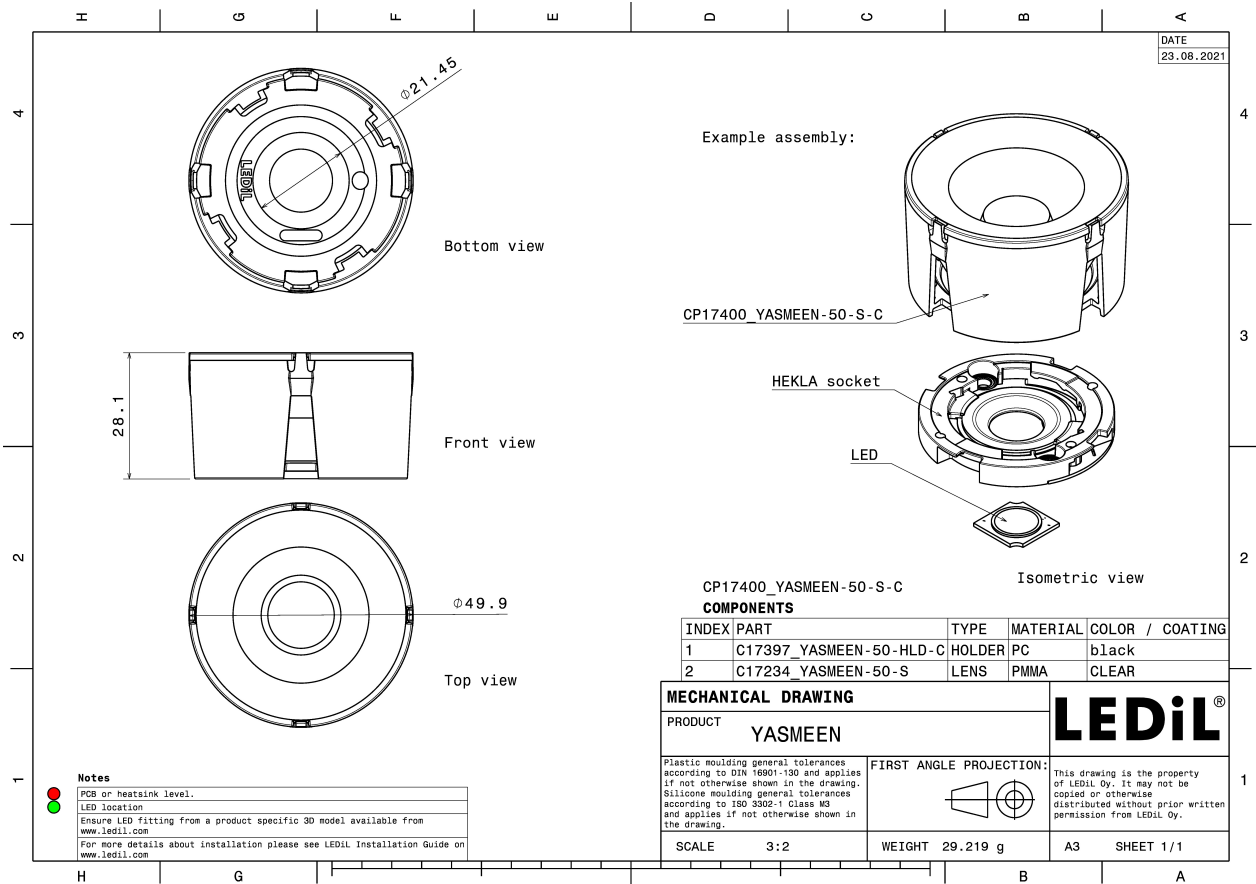


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
YASMEEN-50-S	Single lens	PMMA	clear	
YASMEEN-50-HLD-C	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP17400_YASMEEN-50-S-C	Single lens	252	112	28	8.9
» Box size: 476 x 273 x 305 mm					

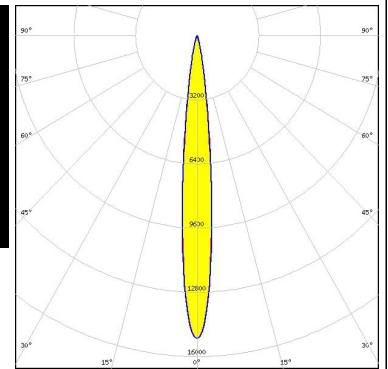
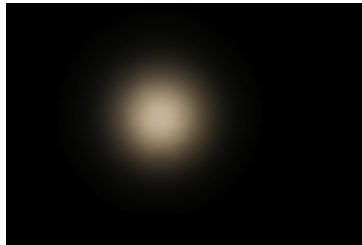


See also our general installation guide: www.ledil.com/installation_guide

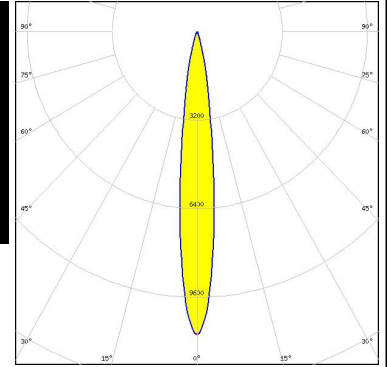
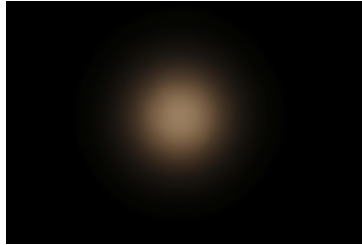
PHOTOMETRIC DATA (MEASURED):



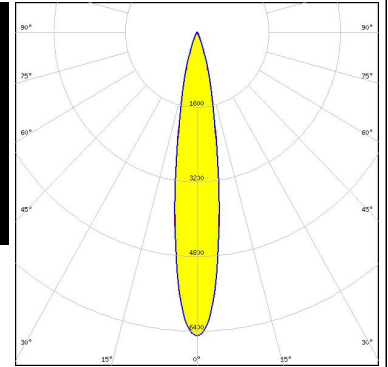
LED V4 HD
FWHM / FWTM 11.0° / 23.0°
Efficiency 89 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15253_HEKLA-SOCKET-A



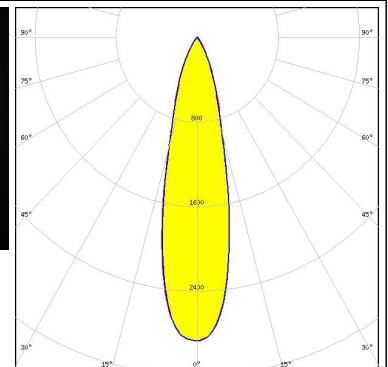
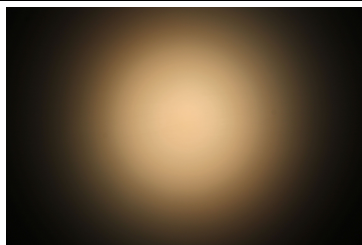
LED V6 HD
FWHM / FWTM 13.0° / 28.0°
Efficiency 89 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED VERO10
FWHM / FWTM 17.0° / 37.0°
Efficiency 87 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15616_HEKLA-SOCKET-F



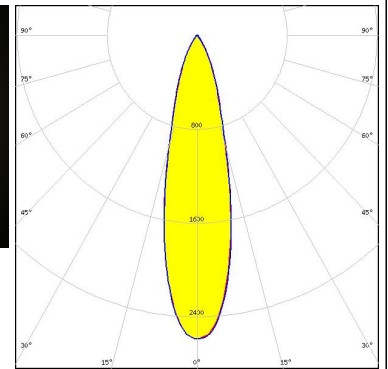
LED Vesta DTW 13mm (21W)
FWHM / FWTM 25.0° / 53.0°
Efficiency 78 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour Tunable White
Required components:
Bender Wirth: 632b Hekla XL



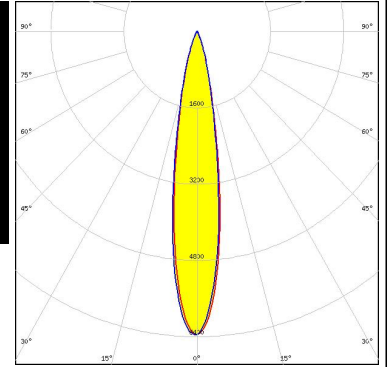
PHOTOMETRIC DATA (MEASURED):



LED Vesta DTW 15mm (33W)
 FWHM / FWTM 26.0° / 55.0°
 Efficiency 75 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour Tunable White
 Required components:
 Bender Wirth: 632b Hekla XL

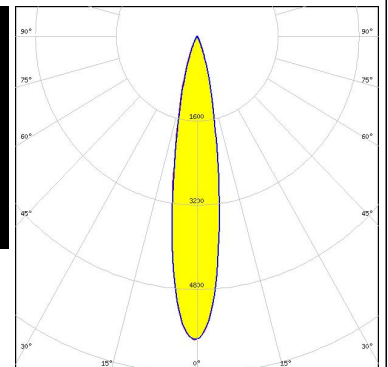
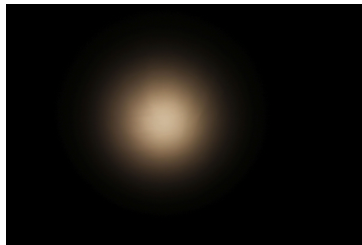


LED Vesta DTW 9mm (4W/6W/12W)
 FWHM / FWTM 18.0° / 37.0°
 Efficiency 86 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 Bender Wirth: 652b Hekla



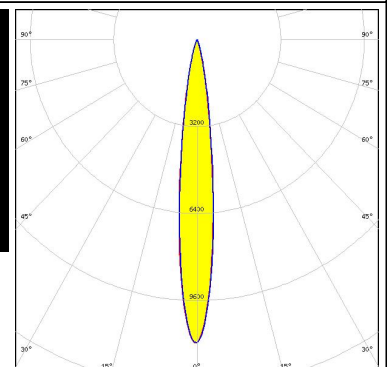
CITIZEN

LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 86 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



CITIZEN

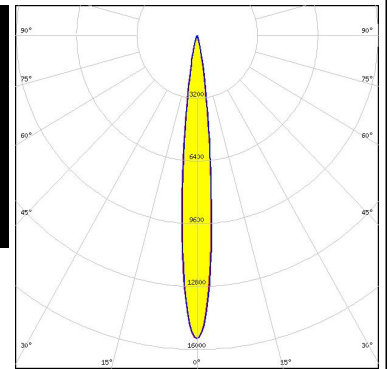
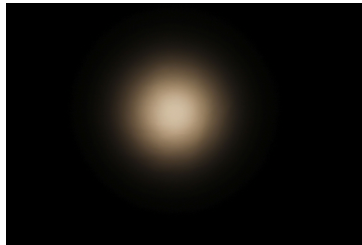
LED CLU700/701/702
 FWHM / FWTM 13.0° / 27.0°
 Efficiency 89 %
 Peak intensity 11.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

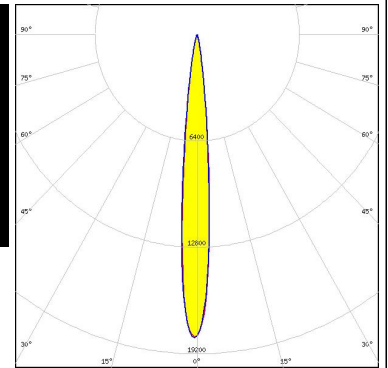
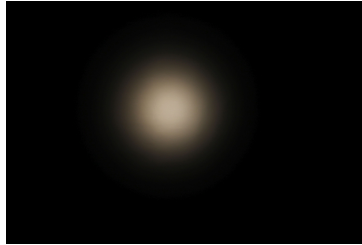
CITIZEN

LED CLU7A2 (LES 4.2mm)
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 89 %
 Peak intensity 15.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



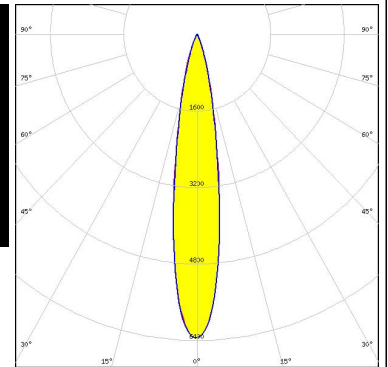
CITIZEN

LED CLU7B2
 FWHM / FWTM 10.0° / 21.0°
 Efficiency 89 %
 Peak intensity 18.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



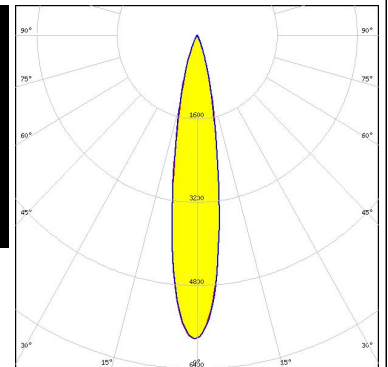
CREE LED

LED CMA1516
 FWHM / FWTM 17.0° / 36.0°
 Efficiency 87 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



CREE LED

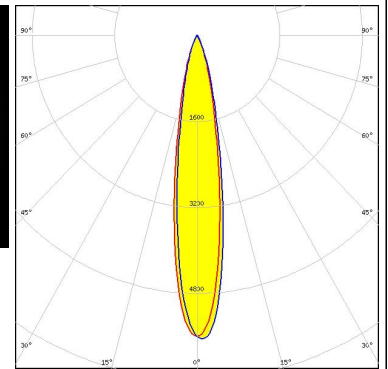
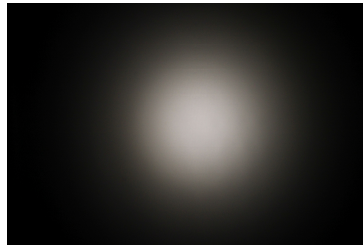
LED CMT14xx
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 86 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



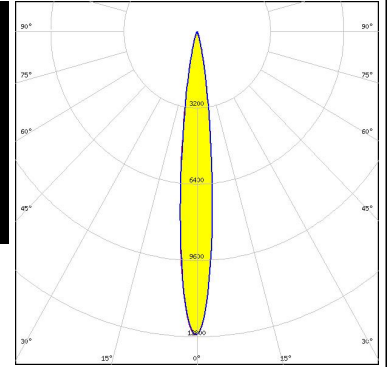
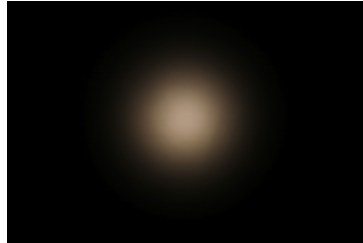
PHOTOMETRIC DATA (MEASURED):



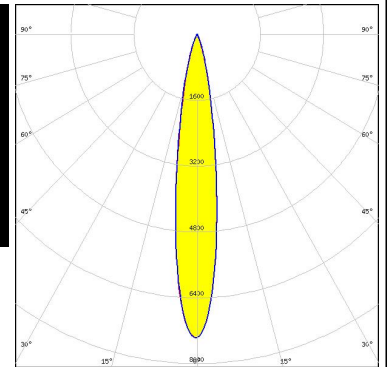
LED CMU10xx
 FWHM / FWTM 18.0° / 39.0°
 Efficiency 84 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



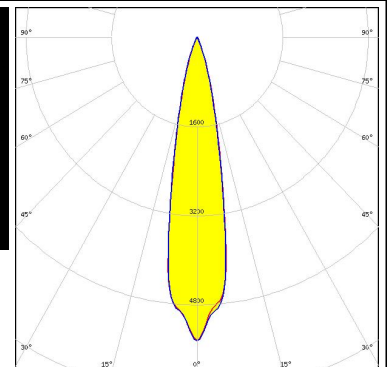
LED CXA/B 13xx
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 89 %
 Peak intensity 12.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17439_HEKLA-G2-J



LED CXA/B 15xx
 FWHM / FWTM 15.0° / 34.0°
 Efficiency 87 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



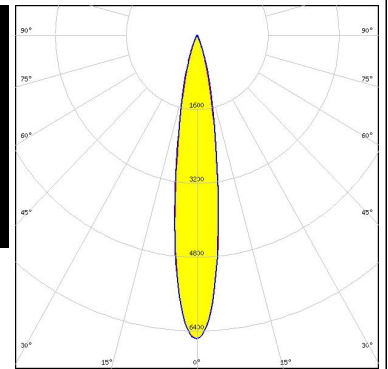
LED LEDIM/C6
 FWHM / FWTM 20.0° / 38.0°
 Efficiency 86 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 9
 Light colour White
 Required components:
 F17438_HEKLA-G2-I



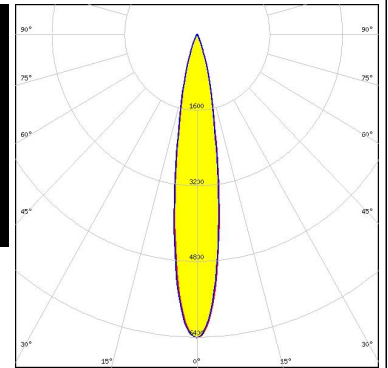
PHOTOMETRIC DATA (MEASURED):



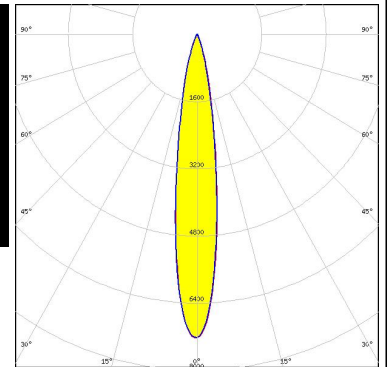
LED LUXEON CoB 1202/1203
 FWHM / FWTM 17.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



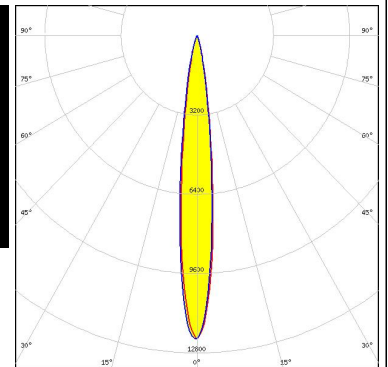
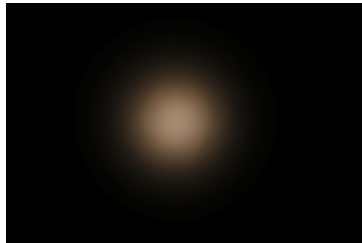
LED LUXEON CoB 1204HD
 FWHM / FWTM 17.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H



LED LUXEON CoB M02/M03
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 87 %
 Peak intensity 7.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17436_HEKLA-G2-D



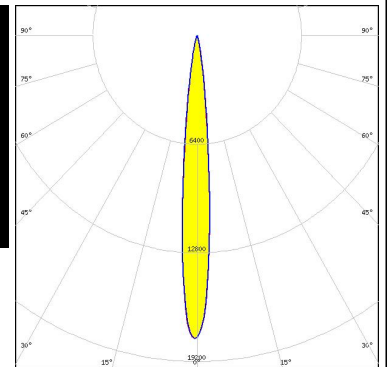
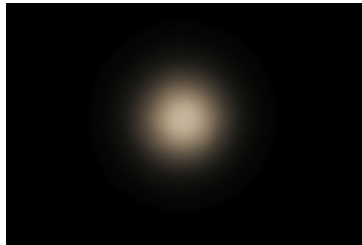
LED LUXEON CoB S01
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 89 %
 Peak intensity 12.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17439_HEKLA-G2-J



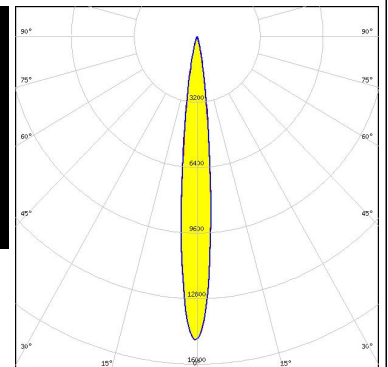
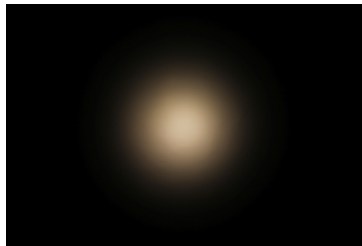
PHOTOMETRIC DATA (MEASURED):



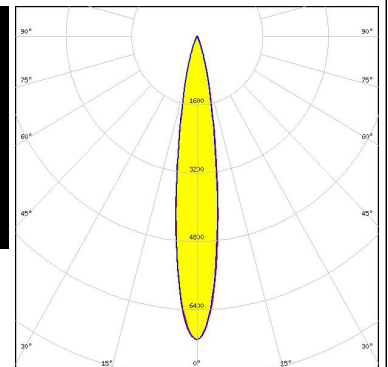
LED CXM-3
FWHM / FWTM 11.0° / 21.0°
Efficiency 89 %
Peak intensity 17.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



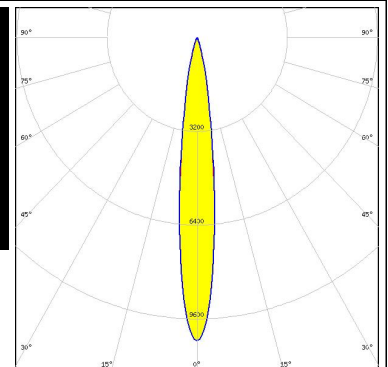
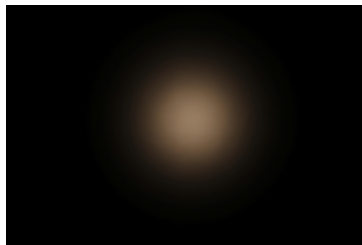
LED CXM-4
FWHM / FWTM 12.0° / 24.0°
Efficiency 89 %
Peak intensity 14.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



LED COB L-Type (LES 9)
FWHM / FWTM 16.0° / 34.0°
Efficiency 86 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17437_HEKLA-G2-H



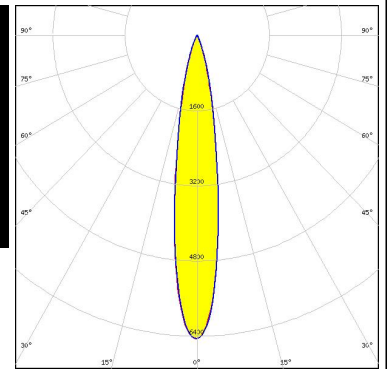
LED COB S-Type (LES 7)
FWHM / FWTM 14.0° / 29.0°
Efficiency 89 %
Peak intensity 10.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15848_HEKLA-SOCKET-G



PHOTOMETRIC DATA (MEASURED):

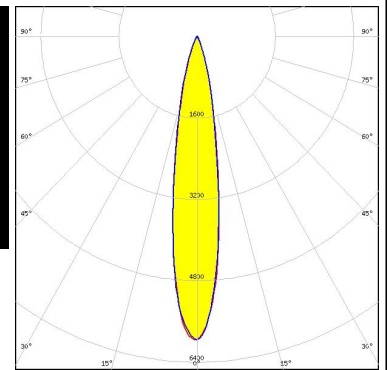
PHILIPS

LED Fortimo SLM L09 CoB
 FWHM / FWTM 16.0° / 36.0°
 Efficiency 86 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17437_HEKLA-G2-H

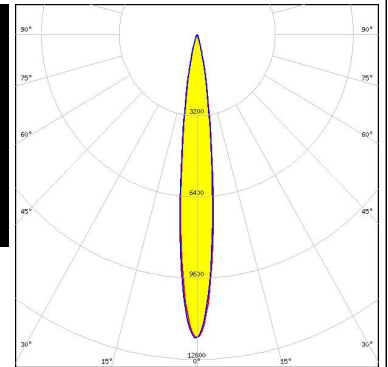
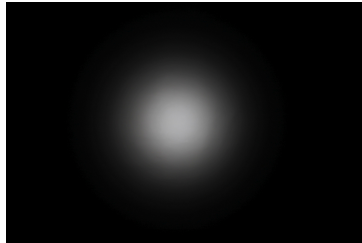


SAMSUNG

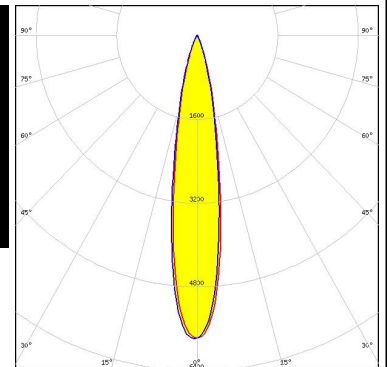
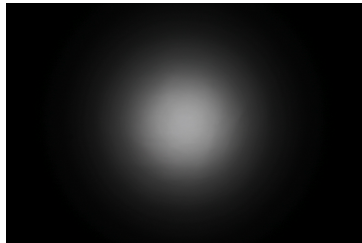
LED LC003D / LC006D / LC009D / LC013D
 FWHM / FWTM 17.0° / 38.0°
 Efficiency 86 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



LED MJT COB LES 6
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 89 %
 Peak intensity 12 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



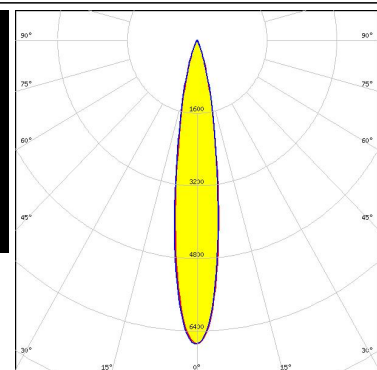
LED MJT COB LES 9.8
 FWHM / FWTM 18.0° / 38.0°
 Efficiency 86 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F17435_HEKLA-G2-C



PHOTOMETRIC DATA (MEASURED):

TRIDONIC

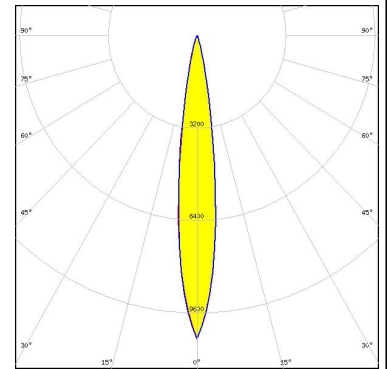
LED SLE G7 LES09
FWHM / FWTM 16.0° / 36.0°
Efficiency 87 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



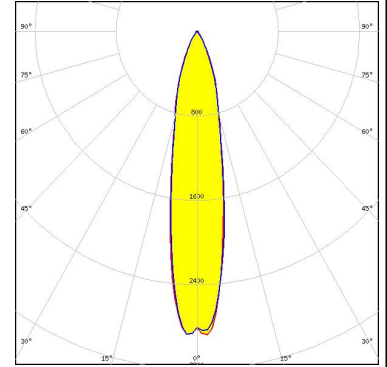
PHOTOMETRIC DATA (SIMULATED):



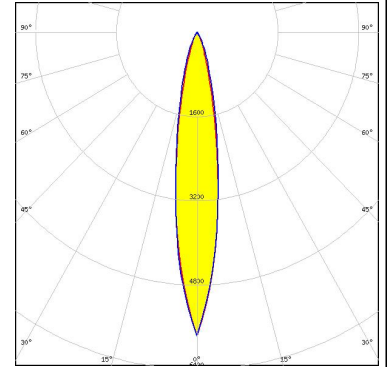
LED V6 HD
FWHM / FWTM 14.0° / 28.0°
Efficiency 89 %
Peak intensity 10.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17435_HEKLA-G2-C



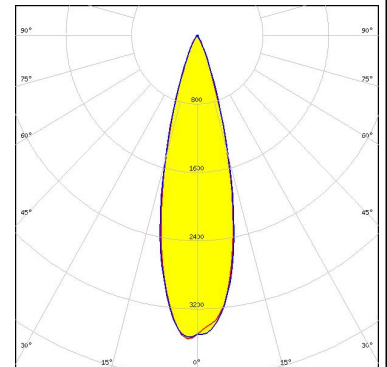
LED Vero SE 13
FWHM / FWTM 20.0° / 50.0°
Efficiency 68 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



LED Vesta DTW 13mm (21W)
FWHM / FWTM 16.0° / 39.0°
Efficiency 84 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 491 Typ L8



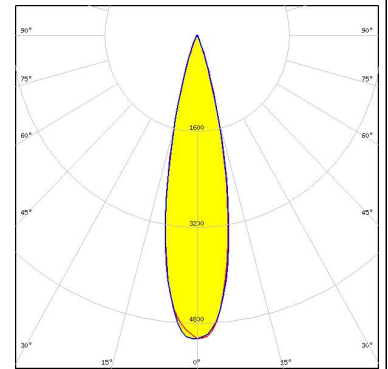
LED Vesta TW 13mm (25W) CSP
FWHM / FWTM 28.0° / 46.0°
Efficiency 88 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



PHOTOMETRIC DATA (SIMULATED):

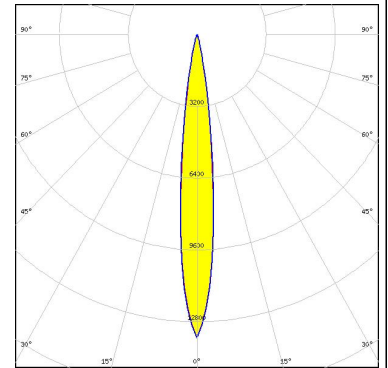


LED Vesta TW 9mm (12W) CSP
FWHM / FWTM 24.0° / 40.0°
Efficiency 91 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K

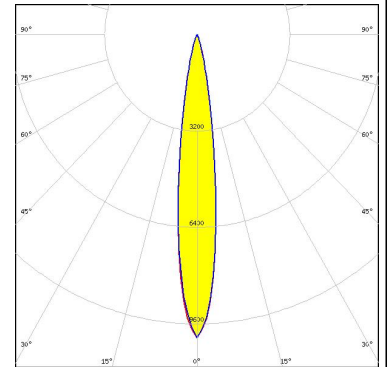


CITIZEN

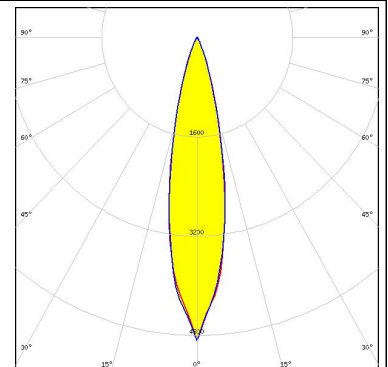
LED CLU7A2 (LES 4.2mm)
FWHM / FWTM 12.0° / 24.0°
Efficiency 90 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



LED CMA1306
FWHM / FWTM 14.0° / 30.0°
Efficiency 89 %
Peak intensity 10.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F17439_HEKLA-G2-J



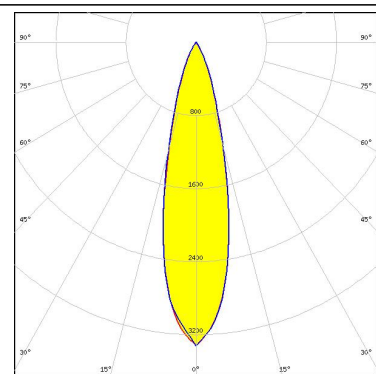
LED NVCWJ024Z-V1MT: COB J-Type Tunable White
FWHM / FWTM 22.0° / 42.0°
Efficiency 88 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K
Bender Wirth: 498 Typ L8 HV



PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED SLE G7 LES13
 FWHM / FWTM 25.0° / 50.0°
 Efficiency 81 %
 Peak intensity 3.3 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.

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)