

BARBARA-G2-M

~25° wide beam compatible with LEDiL HEKLA

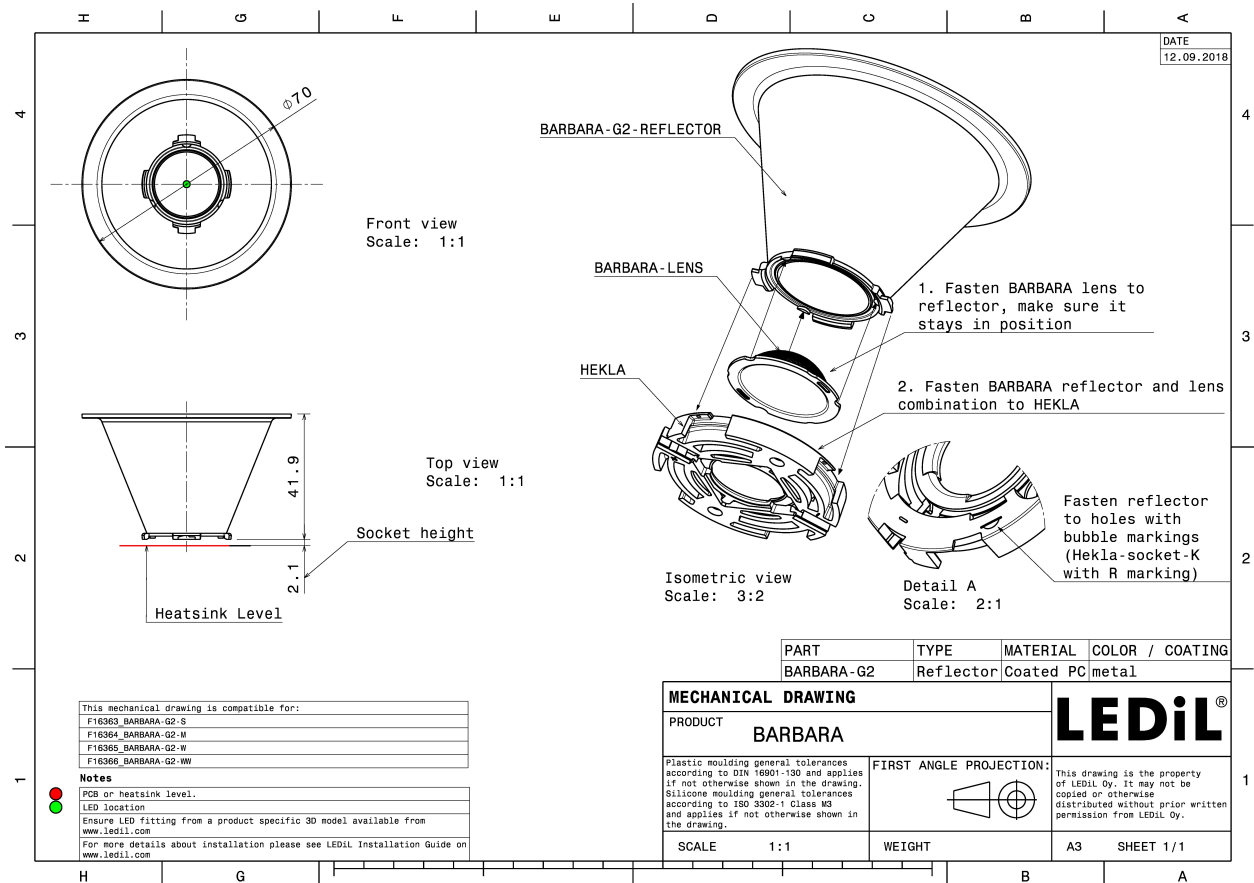
TECHNICAL SPECIFICATIONS:

| | |
|-----------------|--------------------|
| Dimensions | Ø 70.0 mm |
| Height | 41.9 mm |
| Fastening | socket |
| Colour | metal |
| Box size | 480 x 280 x 300 mm |
| Box weight | 4.5 kg |
| Quantity in Box | 252 pcs |
| ROHS compliant | yes ⓘ |



MATERIAL SPECIFICATIONS:

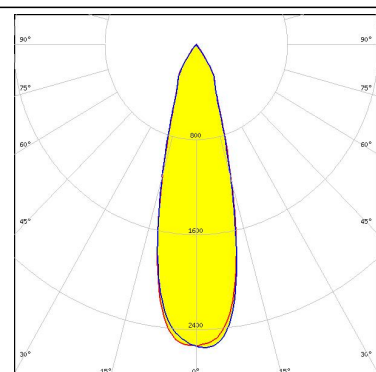
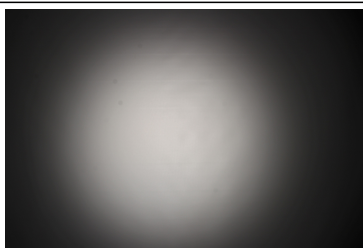
| Component | Type | Material | Colour | Coating |
|--------------|-----------|----------|--------|---------|
| BARBARA-G2-M | Reflector | PC | metal | |



PHOTOMETRIC DATA (MEASURED):

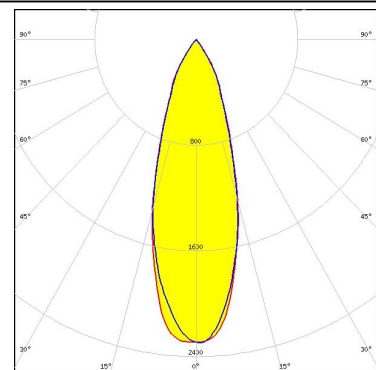
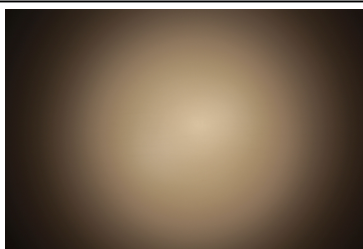


LED Vesta TW 9mm (12W)
 FWHM 29.0°
 Efficiency 83 %
 Peak intensity 2.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS



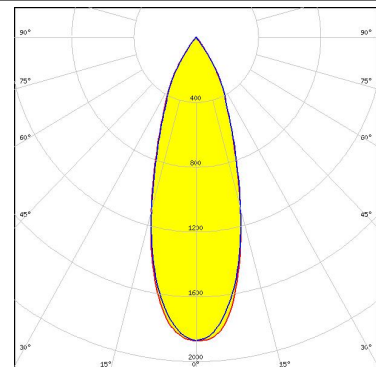
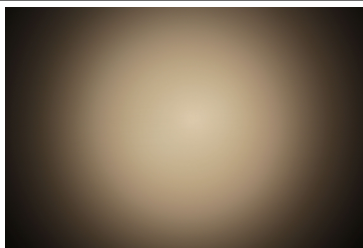
CITIZEN

LED CLC030 Series (Dim-To-Warm)
 FWHM 33.0°
 Efficiency 87 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 436 Typ L8



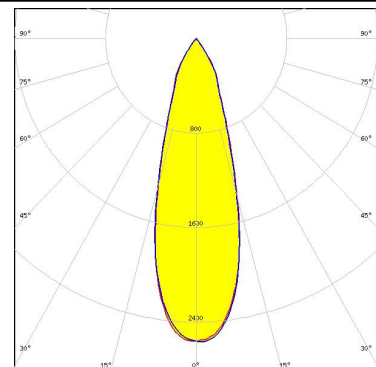
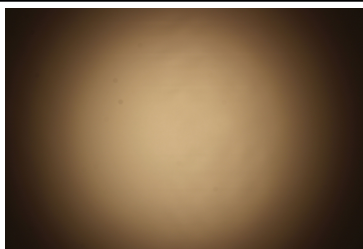
CITIZEN

LED CLC030 Series (Dim-To-Warm)
 FWHM 34.0°
 Efficiency 80 %
 Peak intensity 1.874 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 436 Typ L8



CITIZEN

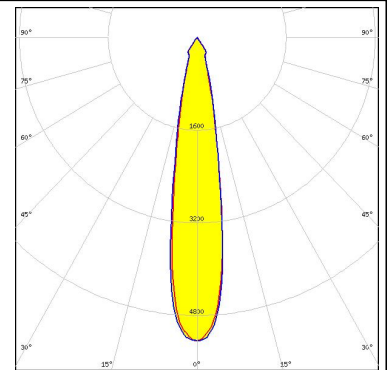
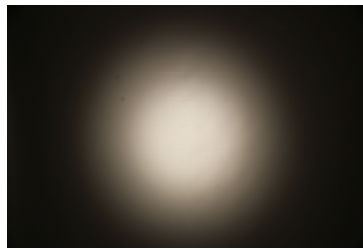
LED CLL03x/CLU03x
 FWHM 31.0°
 Efficiency 91 %
 Peak intensity 2.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (MEASURED):

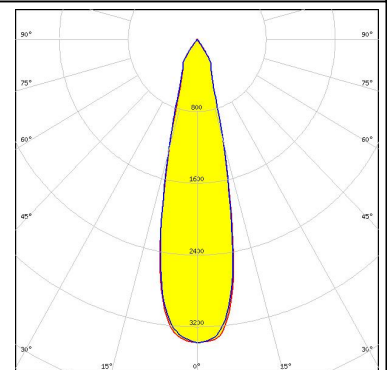
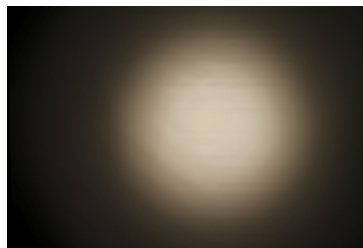
CITIZEN

LED CLU700/701
FWHM 19.0°
Efficiency 92 %
Peak intensity 5.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



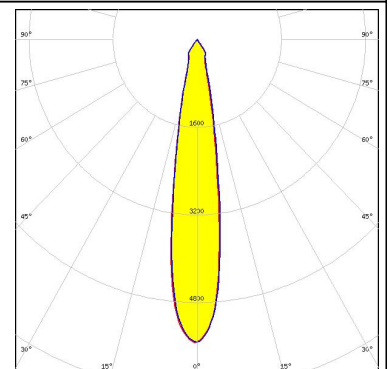
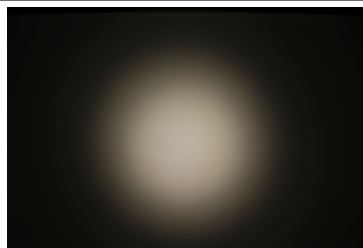
CREE

LED CMT14xx
FWHM 26.0°
Efficiency 92 %
Peak intensity 3.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



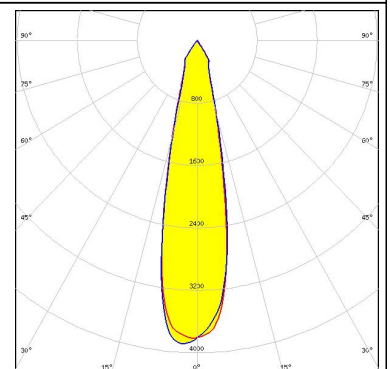
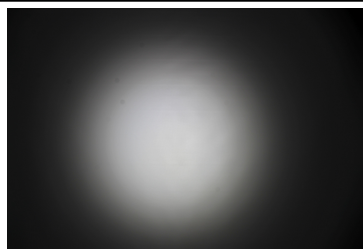
CREE

LED CXA/B 13xx
FWHM 18.0°
Efficiency 92 %
Peak intensity 5.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15956_HEKLA-SOCKET-J



CREE

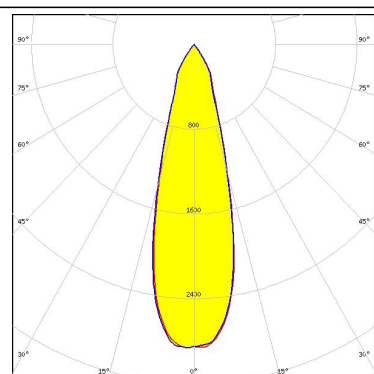
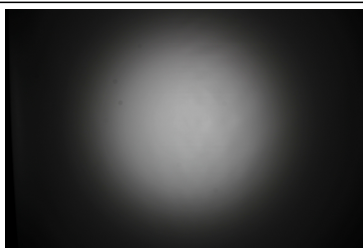
LED CXA/B 15xx
FWHM 23.0°
Efficiency 92 %
Peak intensity 3.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15256_HEKLA-SOCKET-D



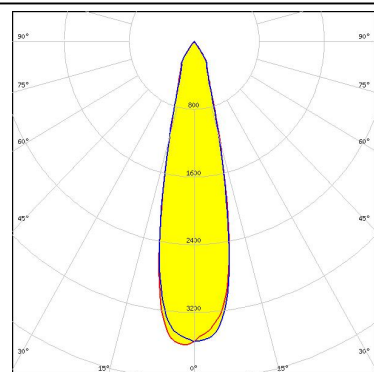
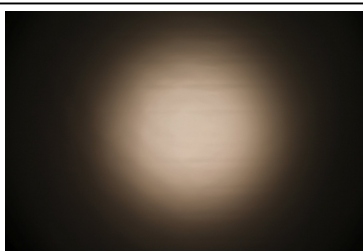
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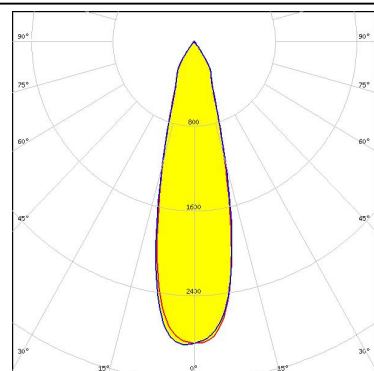
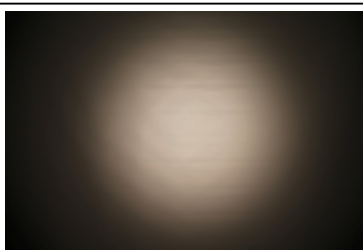
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
 FWHM 29.0°
 Efficiency 91 %
 Peak intensity 2.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15254_HEKLA-SOCKET-B



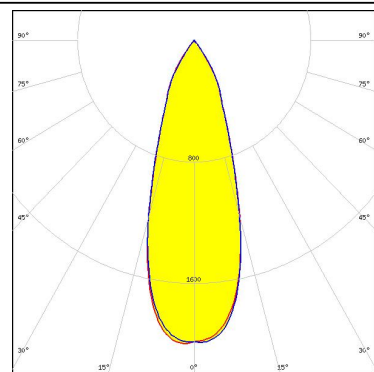
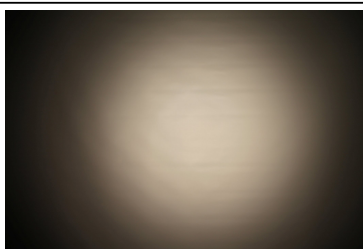
LED Fortimo SLM L09 CoB
 FWHM 25.0°
 Efficiency 92 %
 Peak intensity 3.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H



LED Fortimo SLM L09 CoB
 FWHM 27.0°
 Efficiency 88 %
 Peak intensity 2.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15858_HEKLA-SOCKET-H
 C14658_BARBARA-RZ-LENS



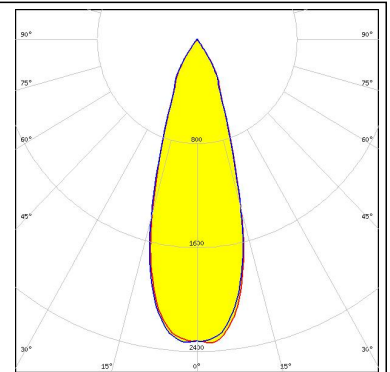
LED Fortimo SLM L13 CoB
 FWHM 34.0°
 Efficiency 83 %
 Peak intensity 2.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8



PHOTOMETRIC DATA (MEASURED):

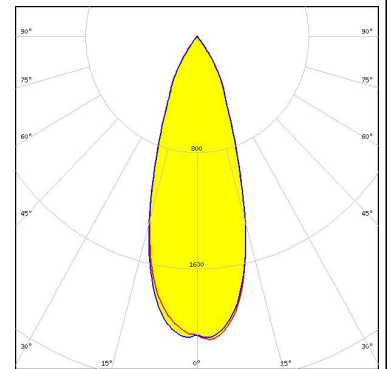
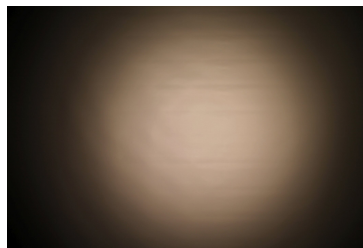
PHILIPS

LED Fortimo SLM L13 CoB
 FWHM 33.0°
 Efficiency 89 %
 Peak intensity 2.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



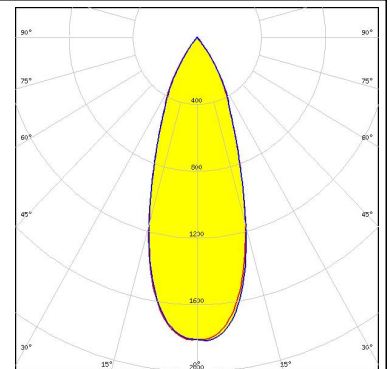
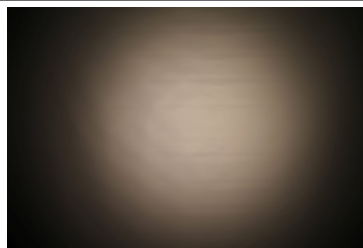
PHILIPS

LED Fortimo SLM L15 CoB
 FWHM 35.0°
 Efficiency 88 %
 Peak intensity 2.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 432 Typ L8



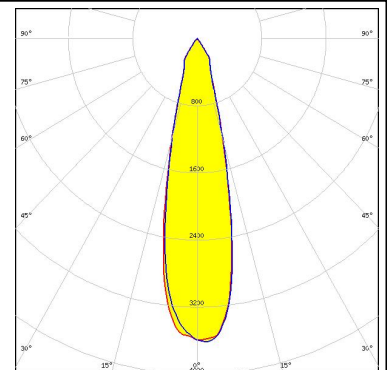
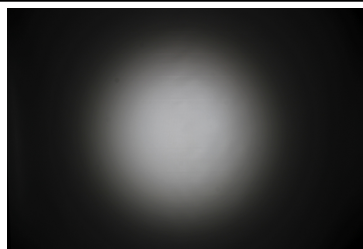
PHILIPS

LED Fortimo SLM L15 CoB
 FWHM 36.0°
 Efficiency 83 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 C16142_HEKLA-SOCKET-K
 C14658_BARBARA-RZ-LENS
 Bender Wirth: 432 Typ L8



SAMSUNG

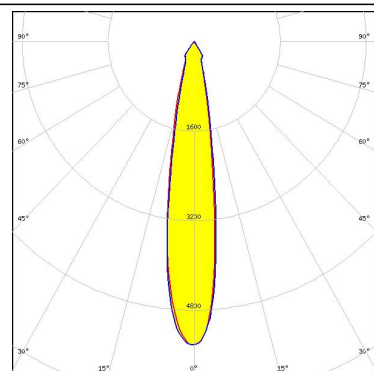
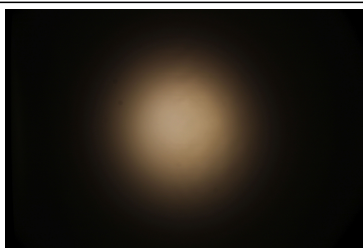
LED COB D Series LES 9.8 mm
 FWHM 25.0°
 Efficiency 92 %
 Peak intensity 3.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F15255_HEKLA-SOCKET-C



PHOTOMETRIC DATA (MEASURED):

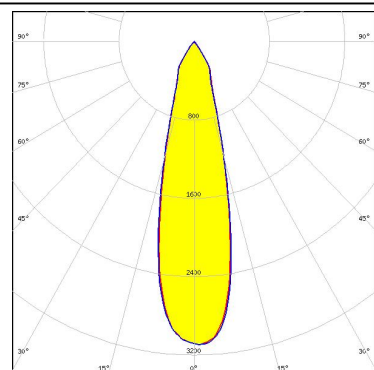
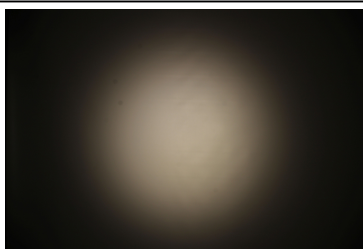
SAMSUNG

LED LC010C G2
FWHM 18.0°
Efficiency 92 %
Peak intensity 5.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



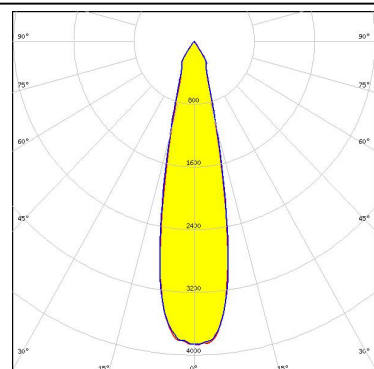
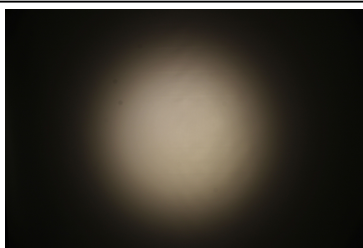
TRIDONIC

LED SLE G7 LES09
FWHM 26.0°
Efficiency 90 %
Peak intensity 3.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C
C14658_BARBARA-RZ-LENS



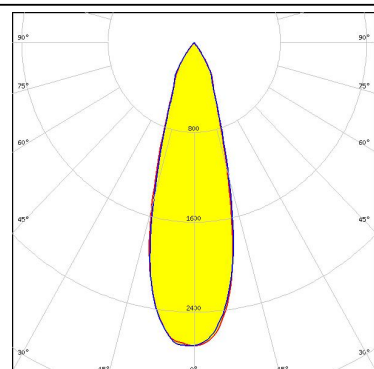
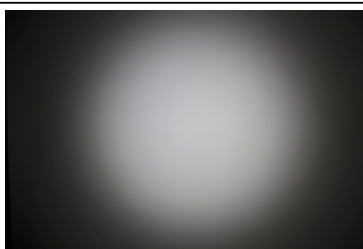
TRIDONIC

LED SLE G7 LES09
FWHM 24.0°
Efficiency 94 %
Peak intensity 3.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15255_HEKLA-SOCKET-C



TRIDONIC

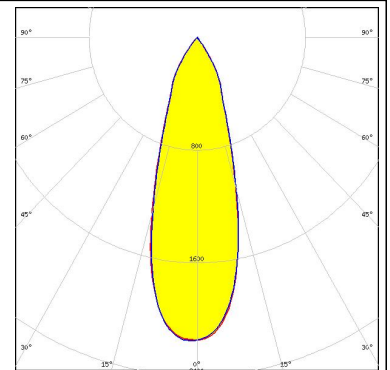
LED SLE G7 LES13
FWHM 30.0°
Efficiency 91 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



PHOTOMETRIC DATA (MEASURED):

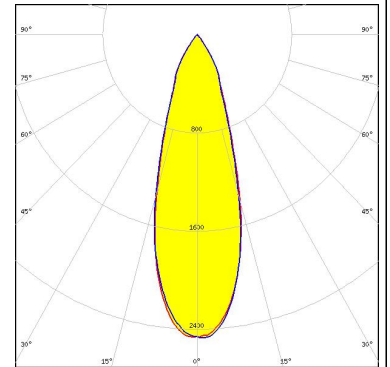
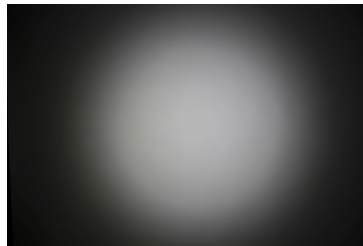
TRIDONIC

LED SLE G7 LES13
FWHM 32.0°
Efficiency 84 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I
C14658_BARBARA-RZ-LENS



TRIDONIC

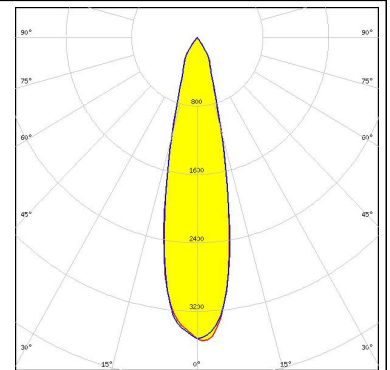
LED SLE G7 LES15
FWHM 32.0°
Efficiency 91 %
Peak intensity 2.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15859_HEKLA-SOCKET-I



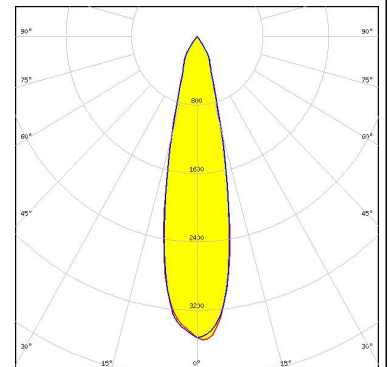
PHOTOMETRIC DATA (SIMULATED):



LED VERO10
FWHM 24.0°
Efficiency 89 %
Peak intensity 3.550 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F15616_HEKLA-SOCKET-F



LED VERO13
FWHM 31.0°
Efficiency 83 %
Peak intensity 2.420 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16142_HEKLA-SOCKET-K



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.

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

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)