

ILONA-WW

~55° wide beam

SPECIFICATION:

Dimensions	Ø 49.7
Height	29.4 mm
Fastening	socket
ROHS compliant	yes ⓘ

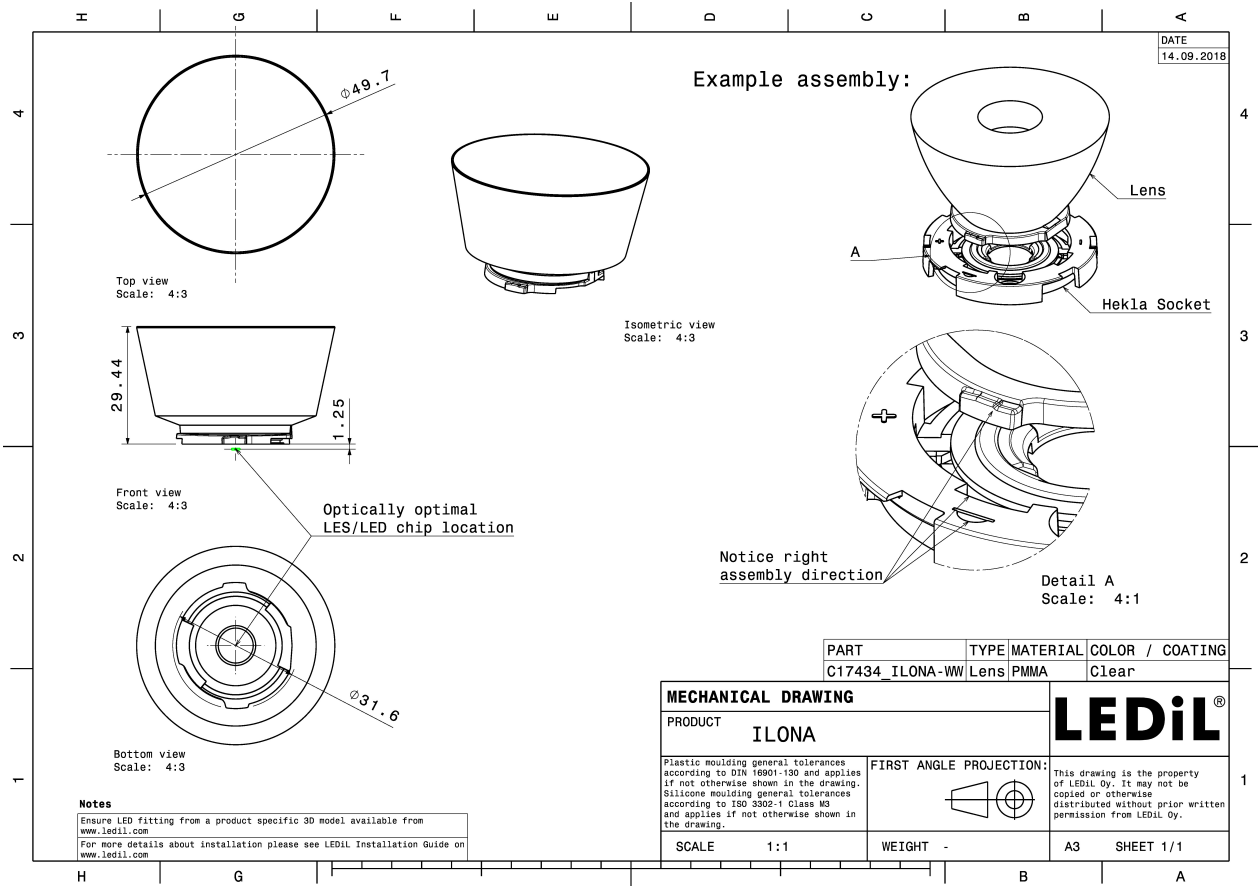
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
ILONA-WW	Single lens	PMMA	clear		



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17434_ILONA-WW » Box size: 480 x 280 x 300 mm	264	99	33	9.2

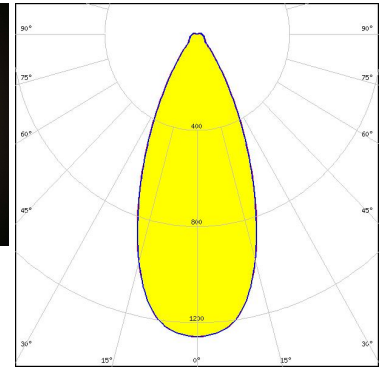
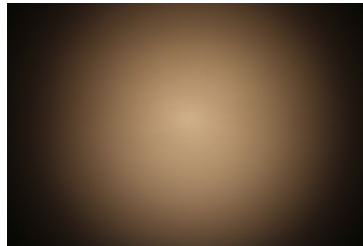


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

bridgelux

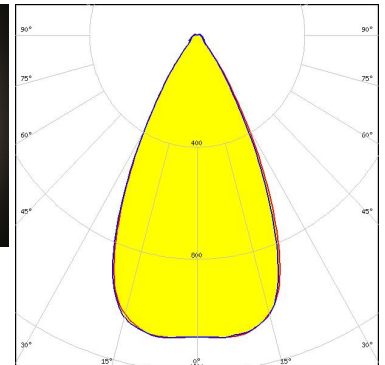
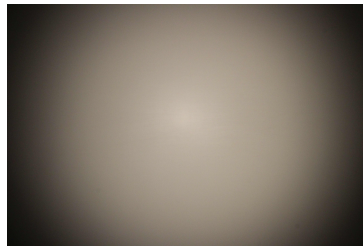
LED V11 HD Gen 8
 FWHM / FWTM 45.0° / 77.0°
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 633d Hekla



Light distribution files

bridgelux

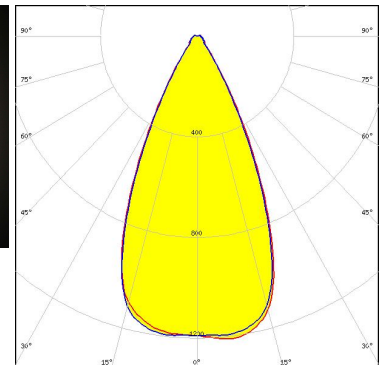
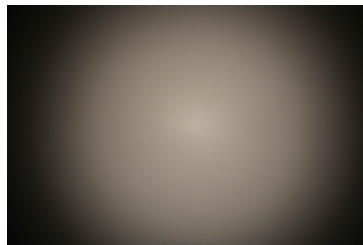
LED V6 HD Gen 7
 FWHM / FWTM 54.0° / 78.0°
 Efficiency 95 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

bridgelux

LED V6 HD Gen 7
 FWHM / FWTM 50.0° / 74.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 634c Hekla

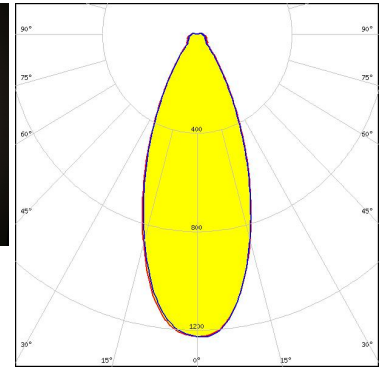
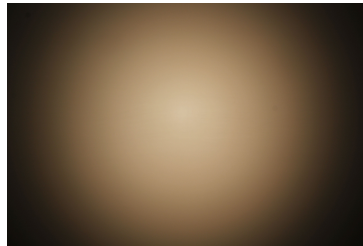


Light distribution files

OPTICAL RESULTS (MEASURED):



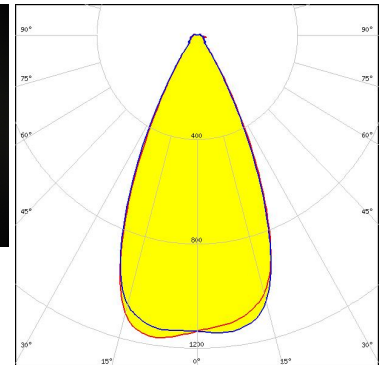
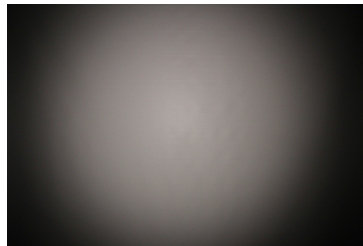
LED Vesta DTW 13mm (21W)
 FWHM / FWTM 42.0° / 78.0°
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 491 Typ L8



Light distribution files



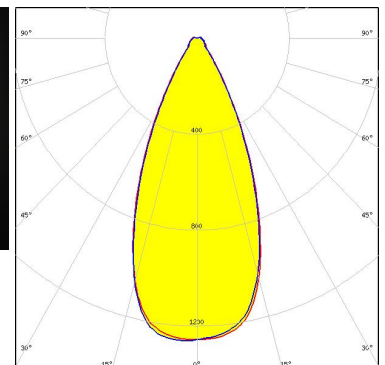
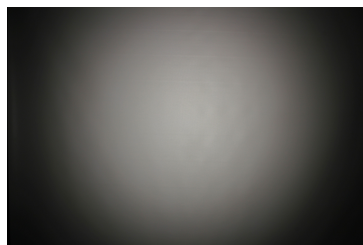
LED Vesta TW 6mm DP
 FWHM / FWTM 50.0° / 73.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 504 Typ L8



Light distribution files

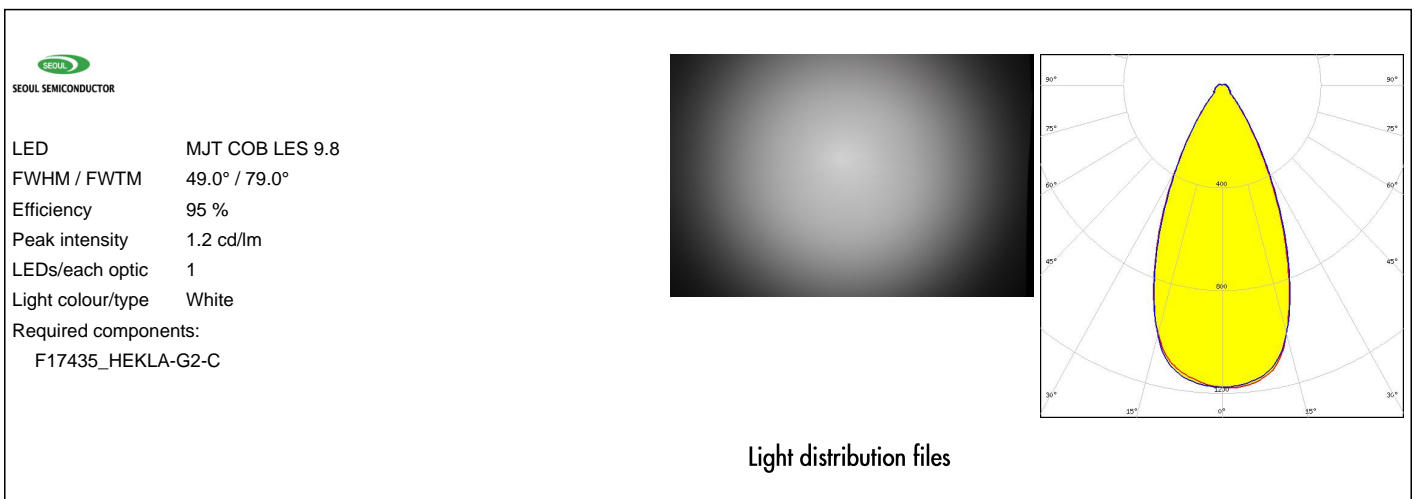
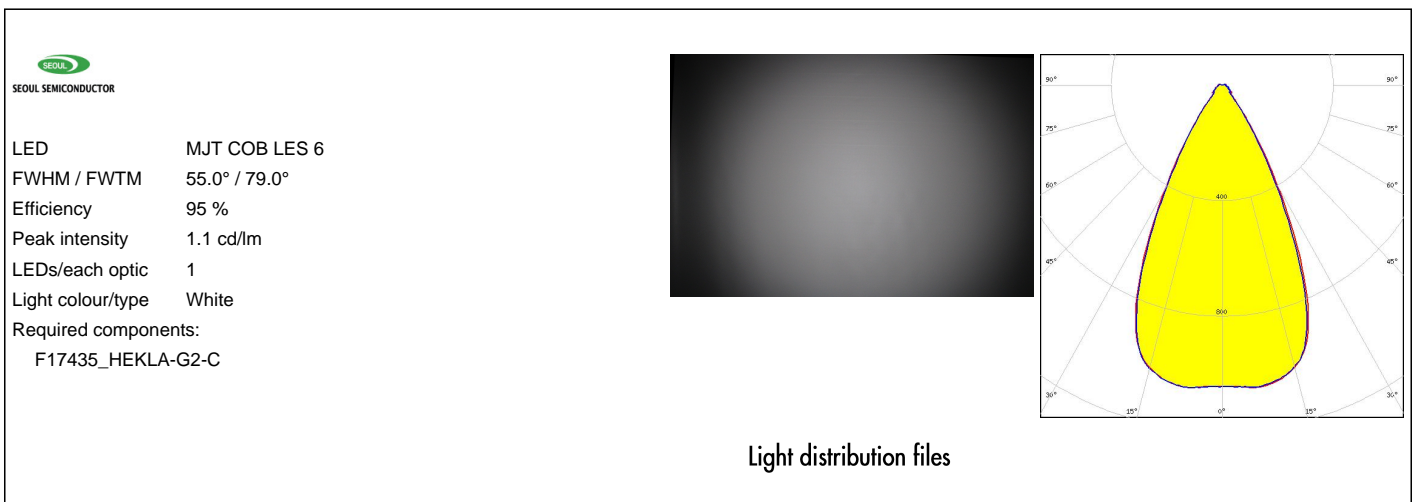
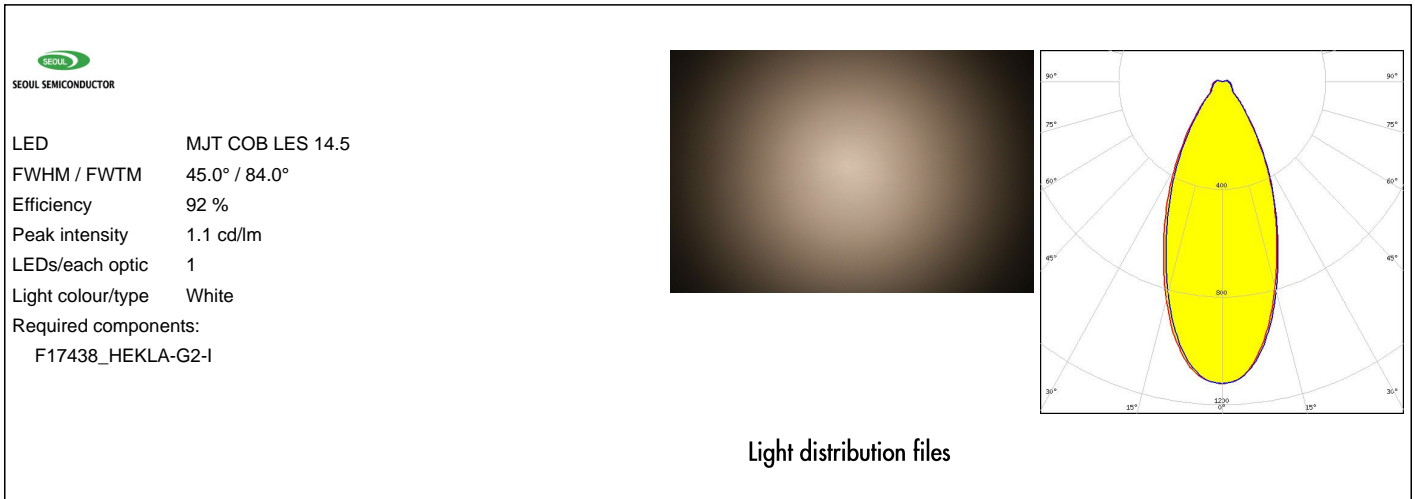
SAMSUNG

LED LC010T (Tunable White)
 FWHM / FWTM 46.0° / 75.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:
 C16142_HEKLA-SOCKET-K
 Bender Wirth: 501 Typ L8



Light distribution files

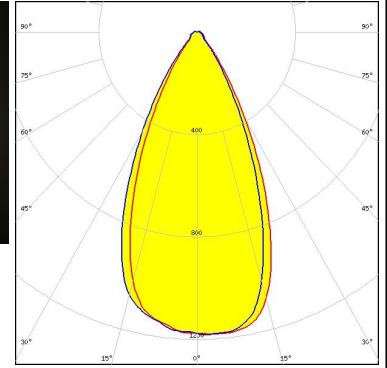
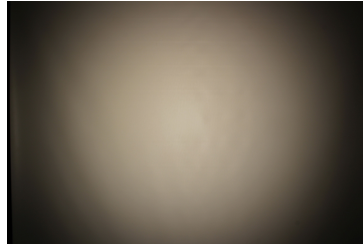
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (MEASURED):

TRIDONIC

LED SLE G7 LES09
FWHM / FWTM 50.0° / 79.0°
Efficiency 95 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C

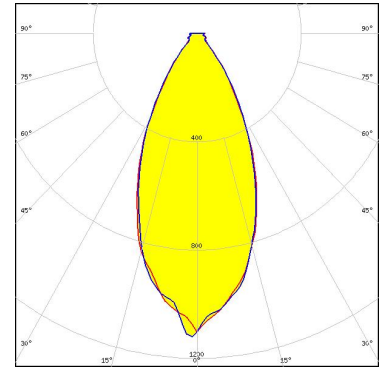


Light distribution files

OPTICAL RESULTS (SIMULATED):

bridgelux

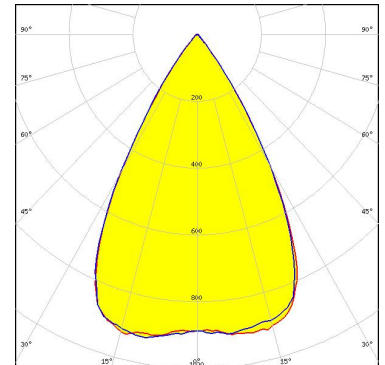
LED V13 Gen 8-9
 FWHM / FWTM 47.0° / 83.0°
 Efficiency 88 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15859_HEKLA-SOCKET-I



Light distribution files

bridgelux

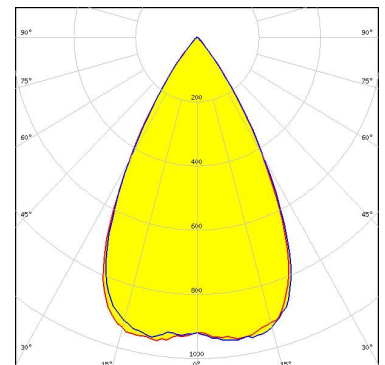
LED V4 HD Gen 7
 FWHM / FWTM 58.0° / 78.0°
 Efficiency 85 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15253_HEKLA-SOCKET-A



Light distribution files

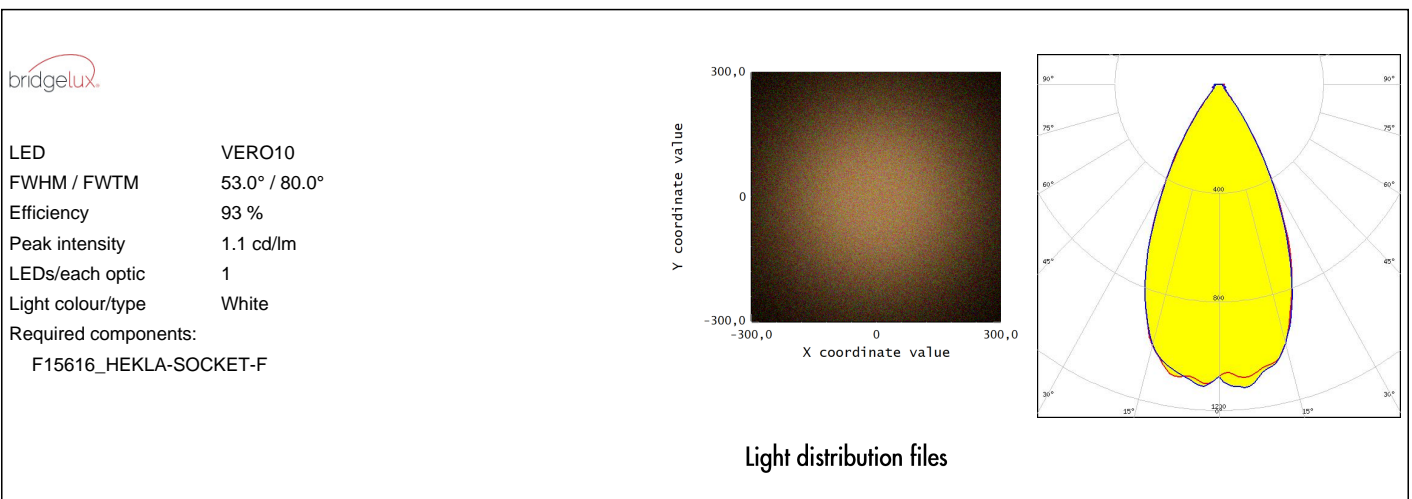
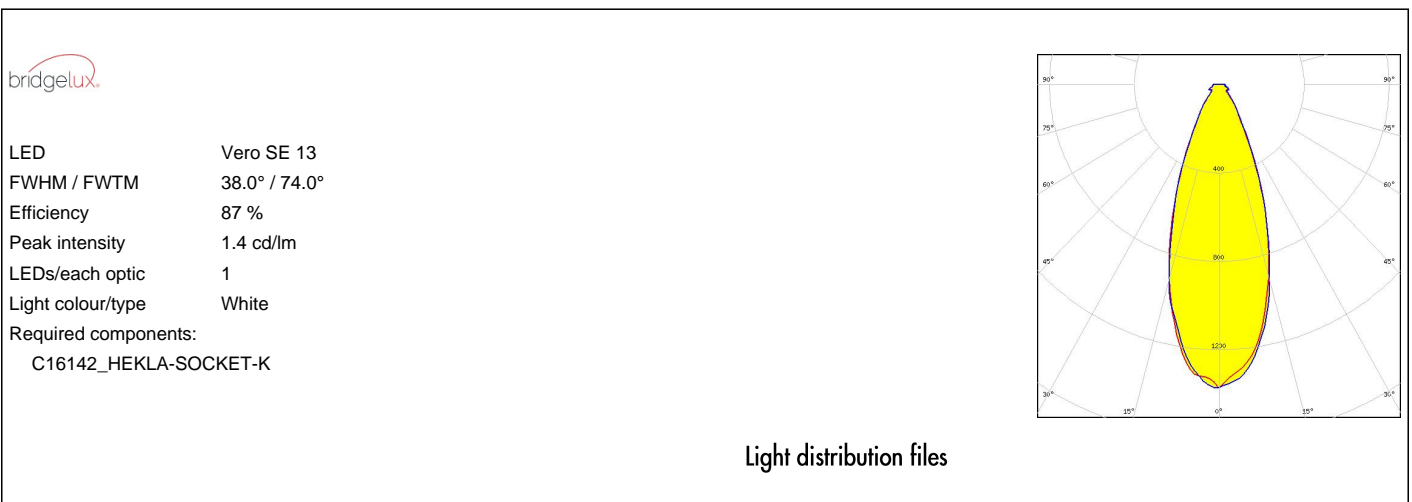
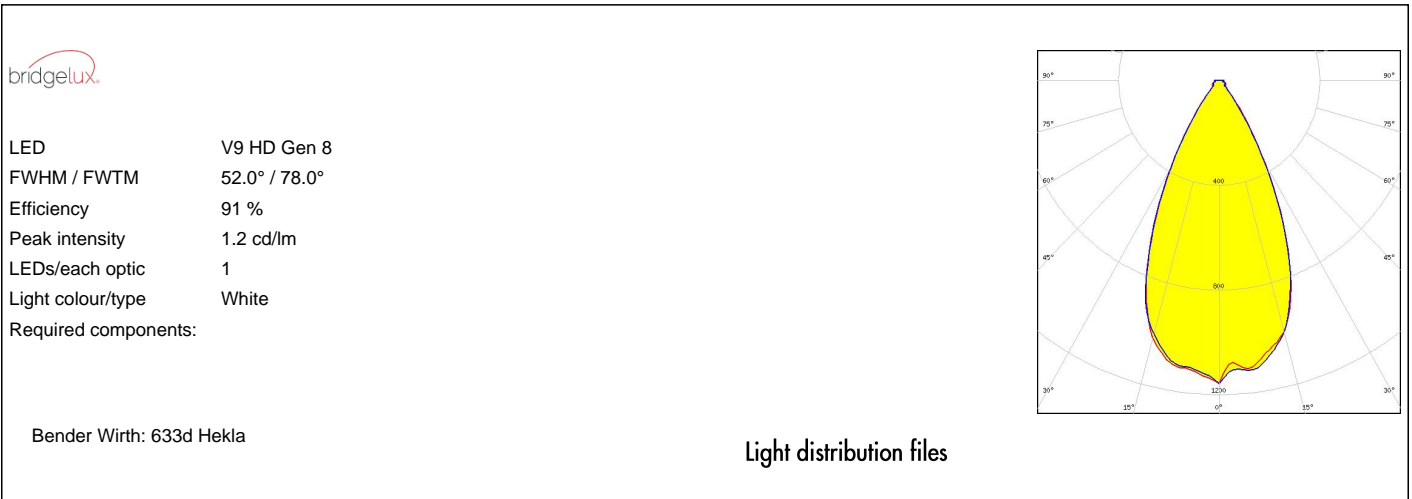
bridgelux

LED V6 HD Gen 7
 FWHM / FWTM 57.0° / 79.0°
 Efficiency 84 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 F15255_HEKLA-SOCKET-C



Light distribution files

OPTICAL RESULTS (SIMULATED):

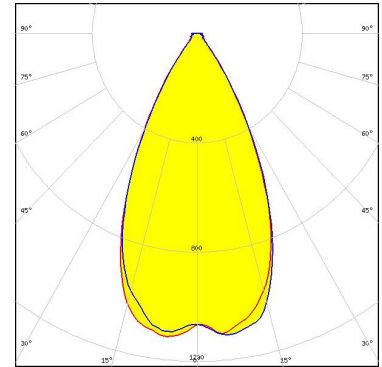
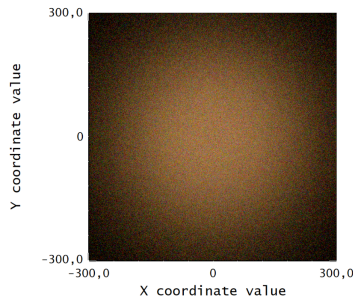


OPTICAL RESULTS (SIMULATED):



LED Vesta DTW 9mm (4W/6W/12W)
FWHM / FWTM 52.0° / 78.0°
Efficiency 92 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 C16142_HEKLA-SOCKET-K

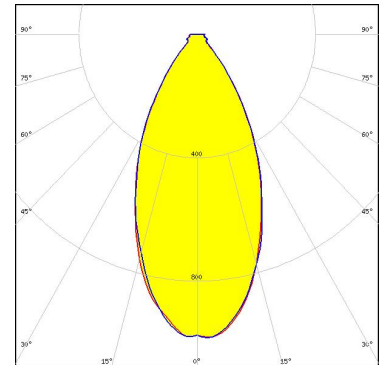
Bender Wirth: 490 Typ L8



Light distribution files



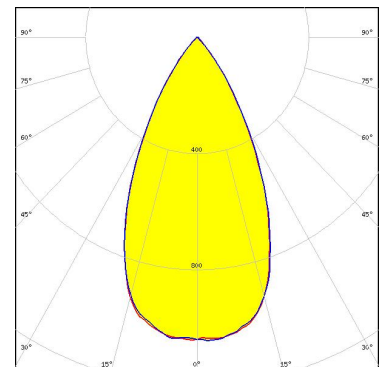
LED Vesta TW 15mm DP
FWHM / FWTM 49.0° / 87.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 52.0° / 80.0°
Efficiency 79 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
 F15255_HEKLA-SOCKET-C

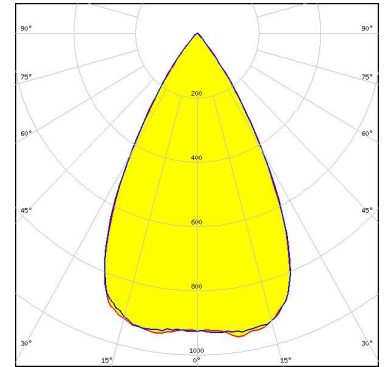


Light distribution files

OPTICAL RESULTS (SIMULATED):

CITIZEN

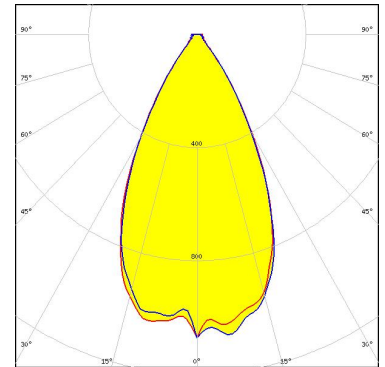
LED CLU700/701/702/703
FWHM / FWTM 57.0° / 78.0°
Efficiency 83 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

CITIZEN

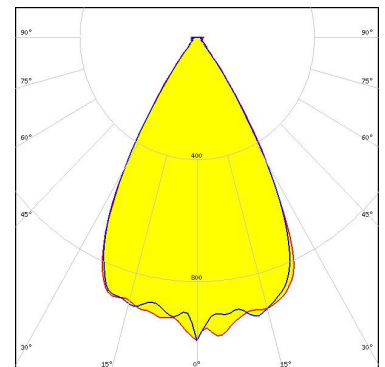
LED CLU712/713
FWHM / FWTM 54.0° / 82.0°
Efficiency 93 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17438_HEKLA-G2-I



Light distribution files



LED CHA0304
FWHM / FWTM 60.0° / 78.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17435_HEKLA-G2-C

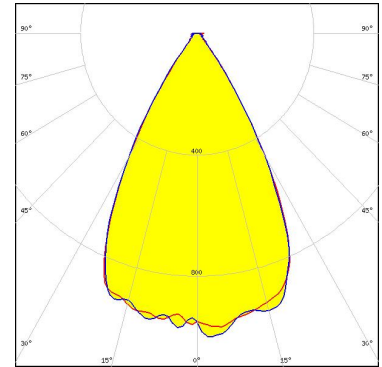


Light distribution files

OPTICAL RESULTS (SIMULATED):



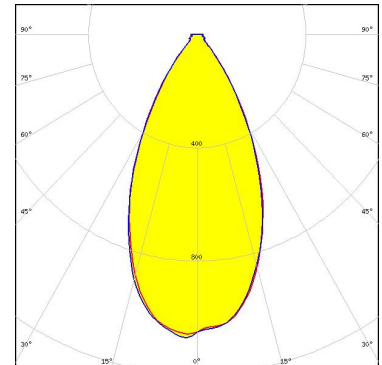
LED: CHA0410
 FWHM / FWTM: 59.0° / 80.0°
 Efficiency: 94 %
 Peak intensity: 1 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:
 F17435_HEKLA-G2-C



Light distribution files



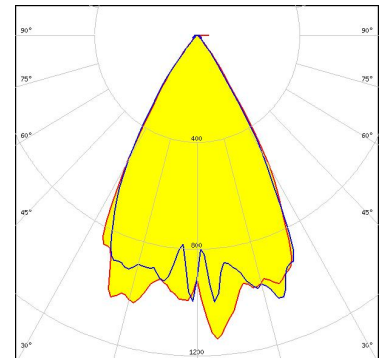
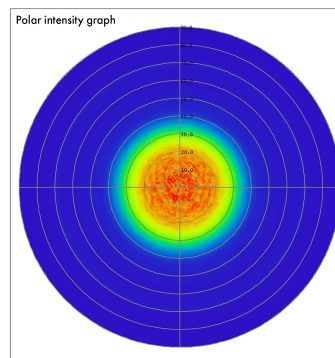
LED: CMA1825
 FWHM / FWTM: 52.0° / 84.0°
 Efficiency: 90 %
 Peak intensity: 1.1 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:
 F15254_HEKLA-SOCKET-B



Light distribution files



LED: LZ4 (00xW00)
 FWHM / FWTM: 59.0° / 78.0°
 Efficiency: 96 %
 LEDs/each optic: 1
 Light colour/type: IR
 Required components:
 F15255_HEKLA-SOCKET-C

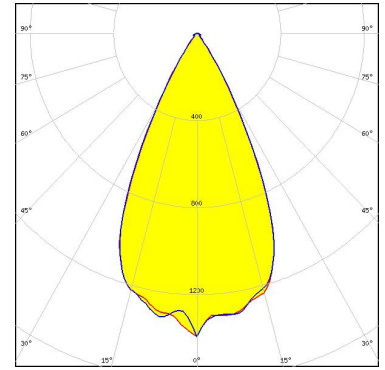


Light distribution files

OPTICAL RESULTS (SIMULATED):

LED ENGIN

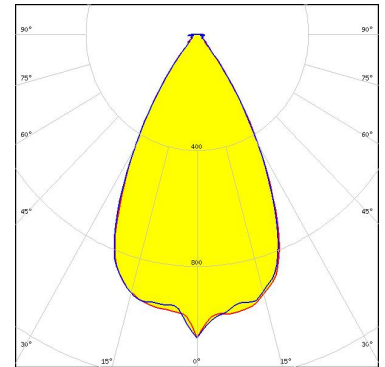
LED LZ4-00XX08
FWHM / FWTM 52.0° / 70.0°
Efficiency 95 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15255_HEKLA-SOCKET-C



Light distribution files

NICHIA

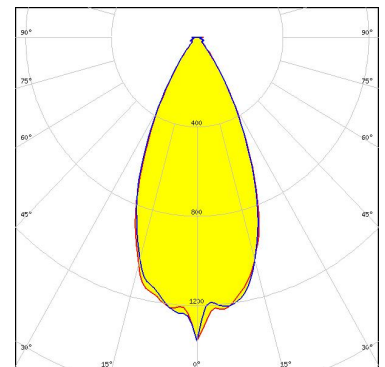
LED COB S-Type (LES 7)
FWHM / FWTM 56.0° / 81.0°
Efficiency 94 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F15848_HEKLA-SOCKET-G



Light distribution files

PHILIPS

LED Fortimo SLM L09 CoB
FWHM / FWTM 46.0° / 74.0°
Efficiency 92 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
F17437_HEKLA-G2-H



Light distribution files

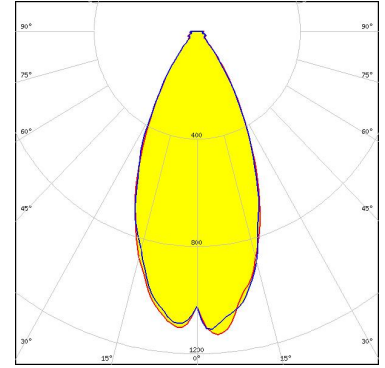
OPTICAL RESULTS (SIMULATED):

PHILIPS

LED Fortimo SLM L13 CoB
FWHM / FWTM 48.0° / 81.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 632a Hekla XL

Light distribution files

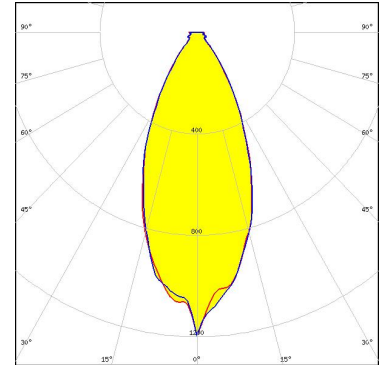


PHILIPS

LED Fortimo SLM L15 CoB
FWHM / FWTM 44.0° / 82.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 632a Hekla XL

Light distribution files

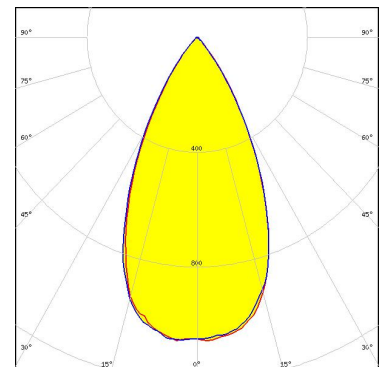


SAMSUNG

LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 51.0° / 79.0°
Efficiency 79 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

F15255_HEKLA-SOCKET-C

Light distribution files



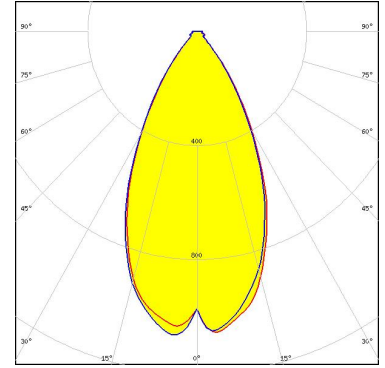
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020T (Tunable white)
FWHM / FWTM 52.0° / 84.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F15859_HEKLA-SOCKET-I



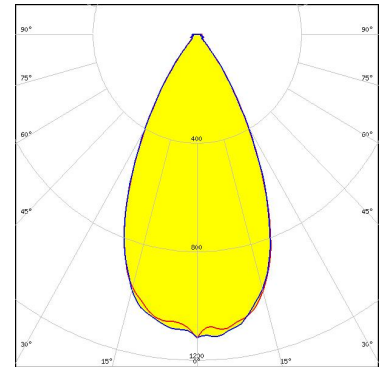
Light distribution files

XICATO

LED XOB 9.8 mm
FWHM / FWTM 52.0° / 80.0°
Efficiency 91 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

F17435_HEKLA-G2-C



Light distribution files

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

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Hong Kong, China

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