

WINNIE-W

~50° wide beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

SPECIFICATION:

Dimensions	Ø 49.8
Height	19.3 mm
Fastening	screw
ROHS compliant	yes ⓘ



MATERIALS:

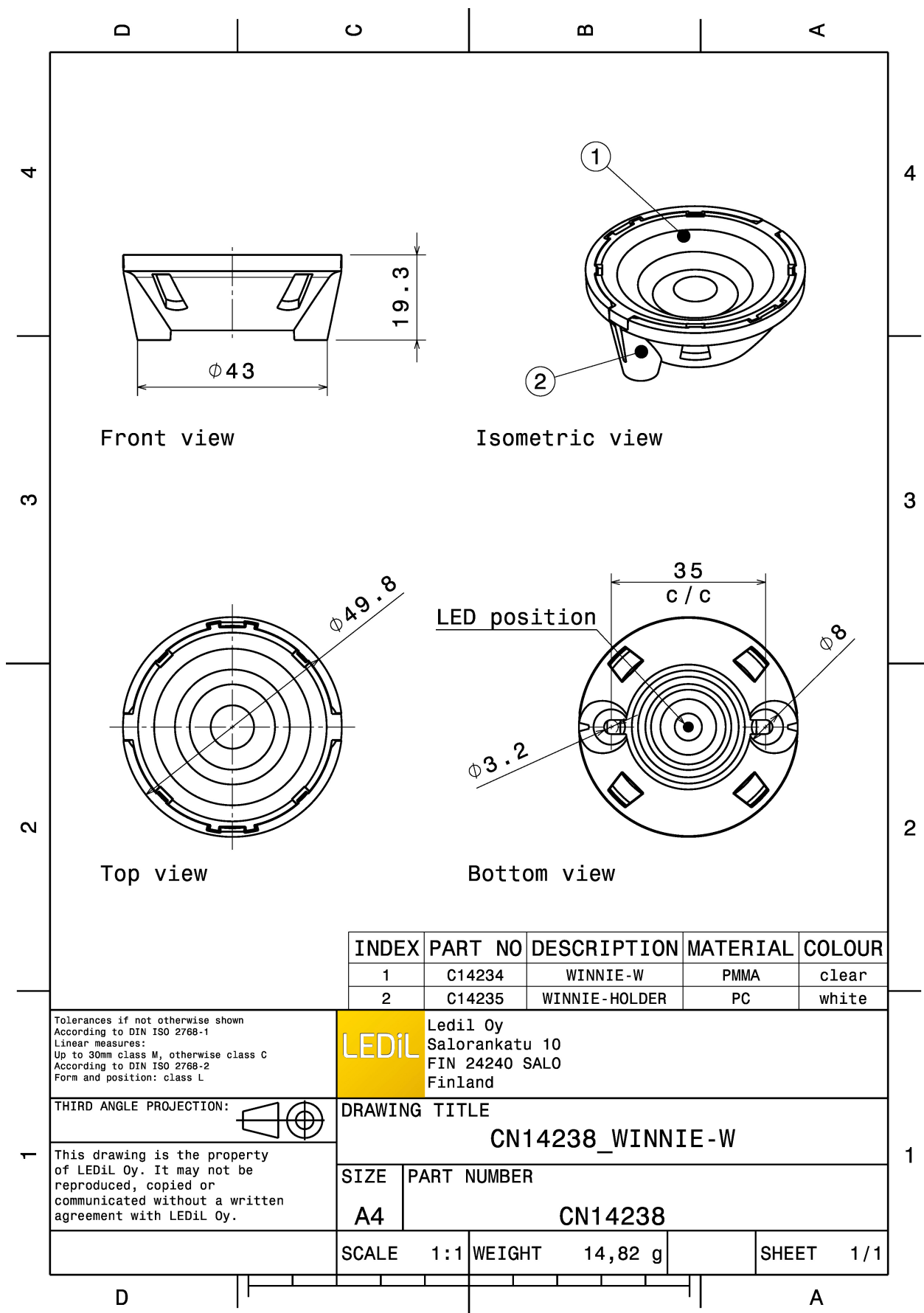
Component	Type	Material	Colour	Finish	Length (mm)
C14234_WINNIE-W	Single lens	PMMA	clear		
C14235_WINNIE-HOLDER	Holder	PC	white		

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C14234_WINNIE-W » Box size: 480 x 280 x 300 mm	Single lens	364	84	28	5.6
C14235_WINNIE-HOLDER » Box size: 480 x 280 x 300 mm	Holder	1820	84	28	7.2

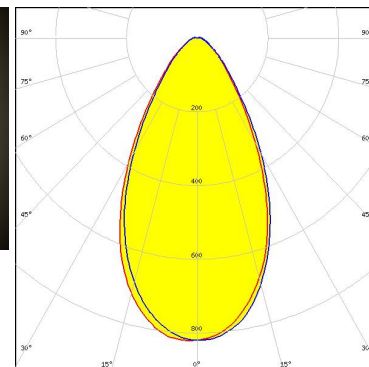
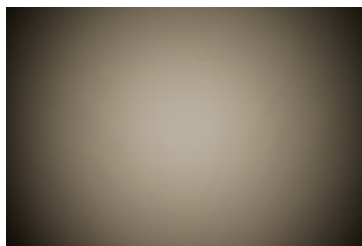


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



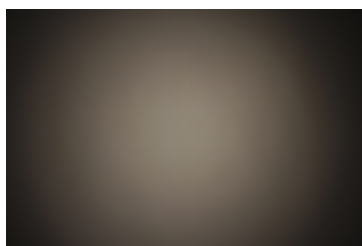
LED V18 Gen6
FWHM / FWTM 56.0° / 102.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



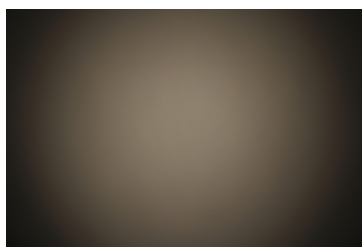
LED V6 Gen6
FWHM / FWTM 47.0° / 92.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED V8 Gen6
FWHM / FWTM 48.0° / 92.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

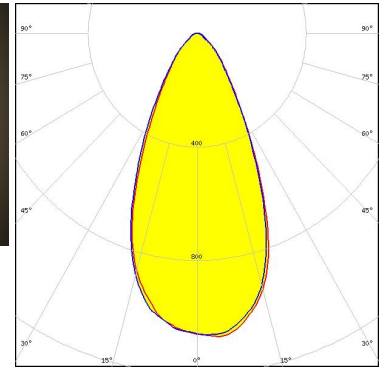
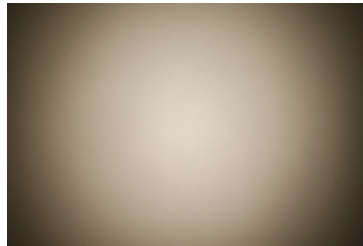


Light distribution files

OPTICAL RESULTS (MEASURED):



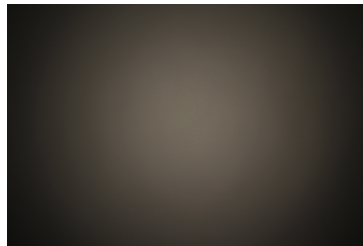
LED VERO10
FWHM / FWTM 49.0° / 90.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

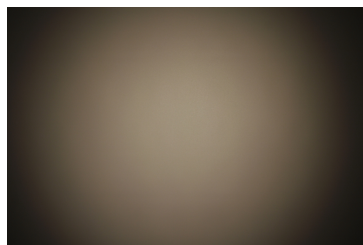
LED CLL01x
FWHM / FWTM 45.0° / 90.0°
Efficiency 87 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM / FWTM 46.0° / 90.0°
Efficiency 87 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

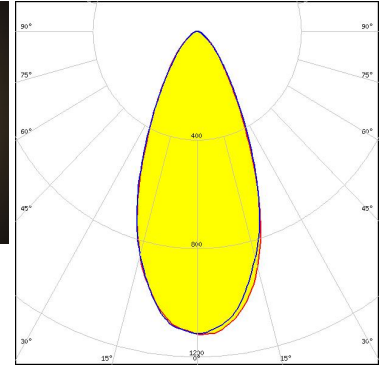
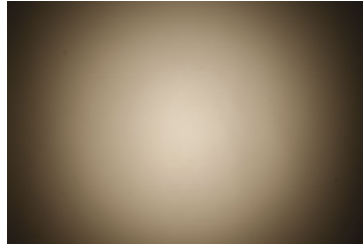


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

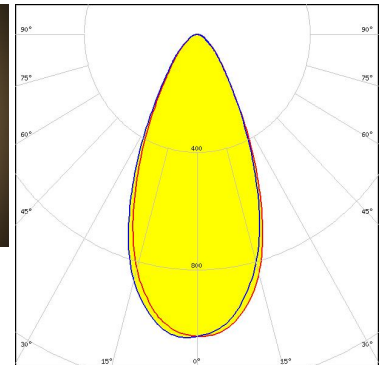
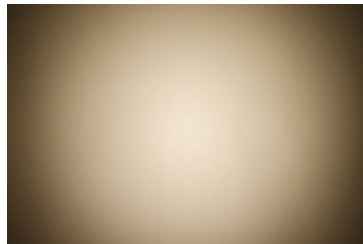
LED CLL02x/CLU02x (LES10)
 FWHM / FWTM 46.0° / 88.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 434 Typ L5



Light distribution files

CITIZEN

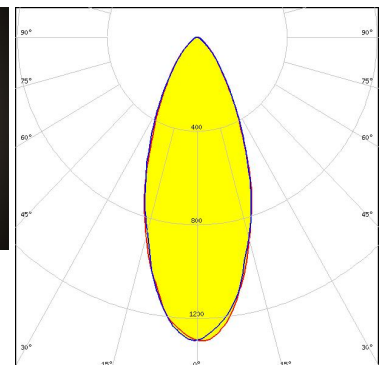
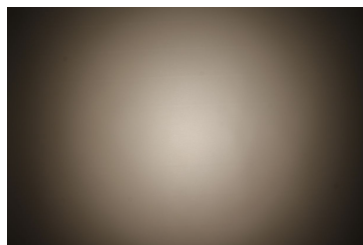
LED CLL03x/CLU03x
 FWHM / FWTM 48.0° / 91.0°
 Efficiency 88 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 433 Typ L5



Light distribution files

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LED CLU700/701/702/703
 FWHM / FWTM 42.0° / 84.0°
 Efficiency 88 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 434 Typ L5

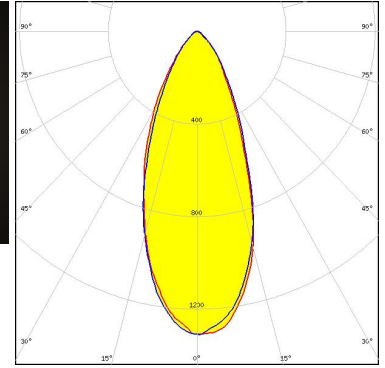
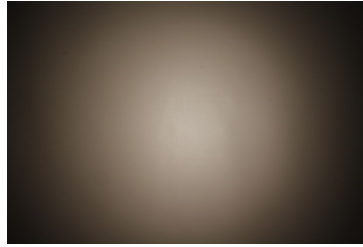


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

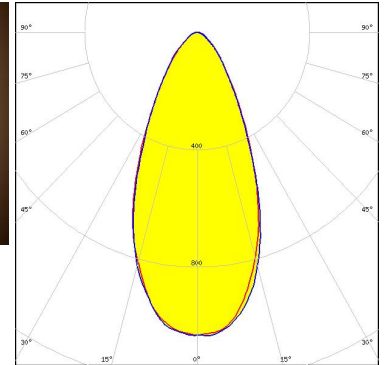
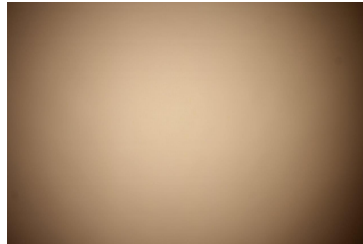
LED CLU700/701/702/703
FWHM / FWTM 42.0° / 83.0°
Efficiency 88 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

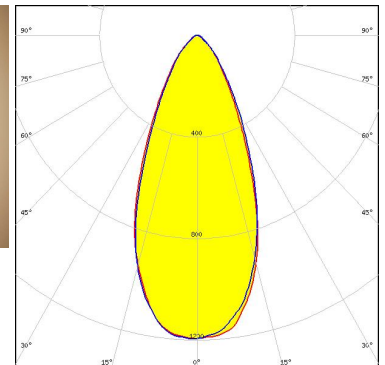
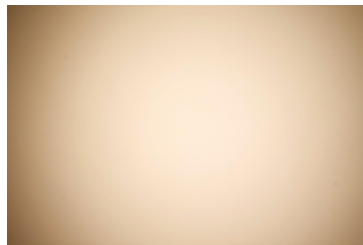
LED CLU710/711
FWHM / FWTM 47.0° / 93.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

CITIZEN

LED CLU710/711
FWHM / FWTM 45.0° / 86.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 470 Typ L5

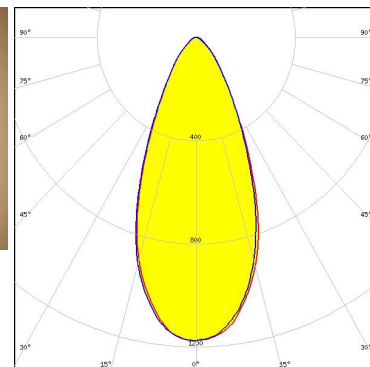
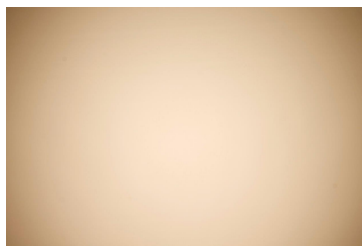


Light distribution files

OPTICAL RESULTS (MEASURED):

CITIZEN

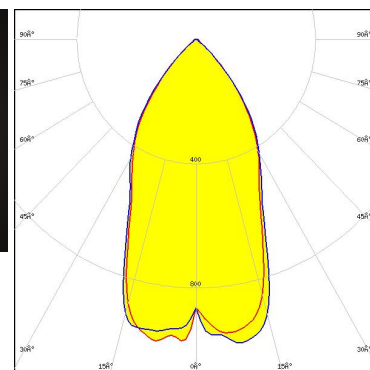
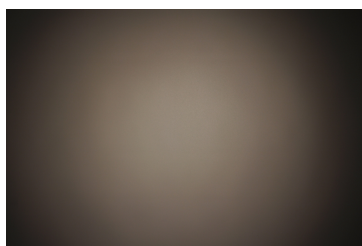
LED CLU720/721/723
 FWHM / FWTM 45.0° / 85.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:
 Bender Wirth: 433 Typ L5



Light distribution files



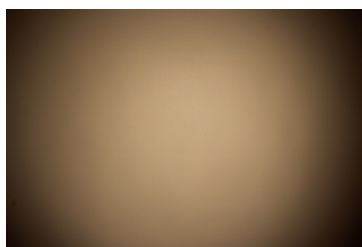
LED CXA/B 13xx
 FWHM / FWTM 51.0° / 96.0°
 Efficiency 89 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CXA/B 15xx
 FWHM / FWTM 52.0° / 96.0°
 Efficiency 87 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

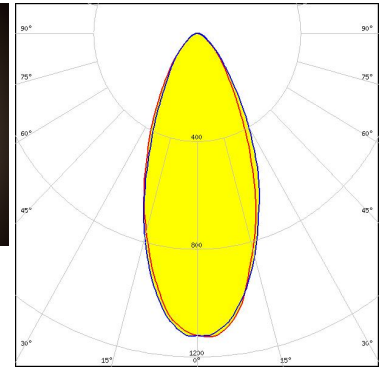
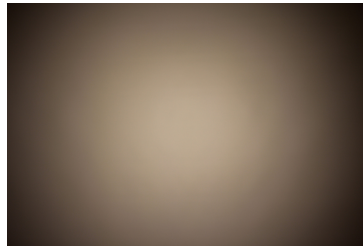


Light distribution files

OPTICAL RESULTS (MEASURED):



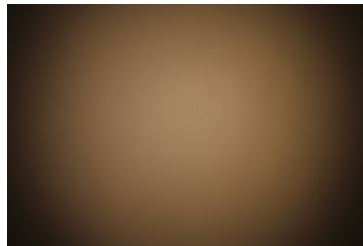
LED MHD-E/G
FWHM / FWTM 45.0° / 91.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



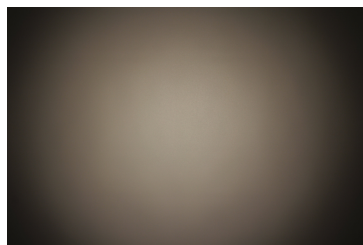
LED LUXEON CoB 1202/1203
FWHM / FWTM 48.0° / 94.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON CoB 1202s
FWHM / FWTM 46.0° / 90.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

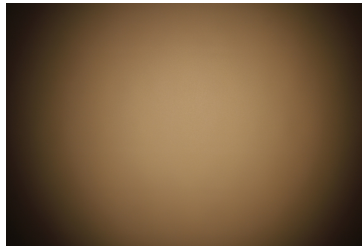


Light distribution files

OPTICAL RESULTS (MEASURED):



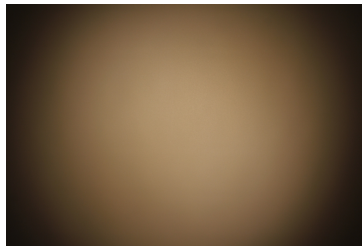
LED CxM-14 (19x19)
FWHM / FWTM 50.0° / 96.0°
Efficiency 86 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



[Light distribution files](#)



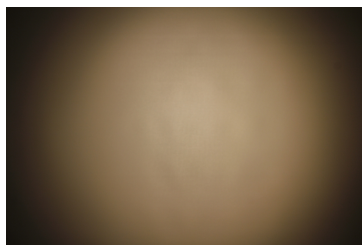
LED CxM-9 (13.5x13.5)
FWHM / FWTM 48.0° / 92.0°
Efficiency 90 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



[Light distribution files](#)



LED Duris S10
FWHM / FWTM 54.0° / 90.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

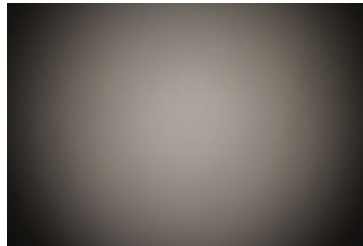


[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

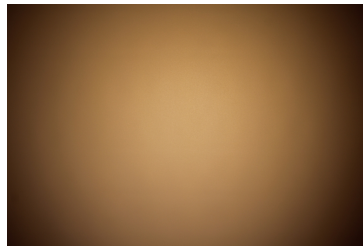
LED Soleriq S13
FWHM / FWTM 49.0° / 92.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

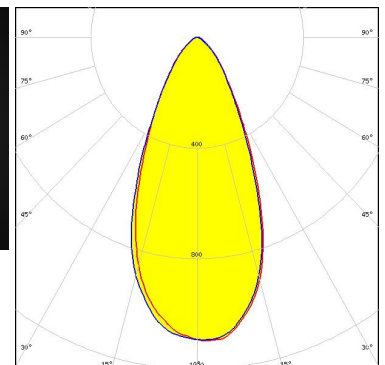
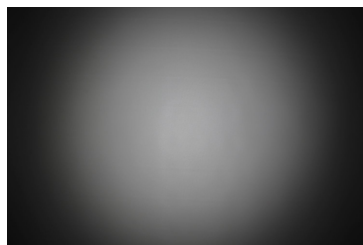
LED Soleriq S19
FWHM / FWTM 50.0° / 94.0°
Efficiency 84 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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LED LC003D / LC006D / LC009D / LC013D
FWHM / FWTM 47.0° / 89.0°
Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

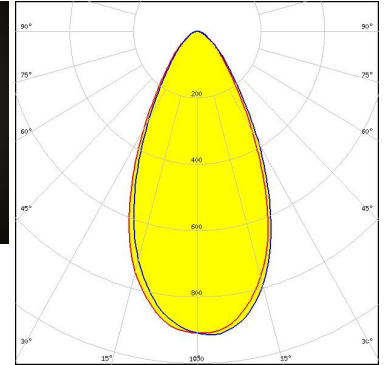
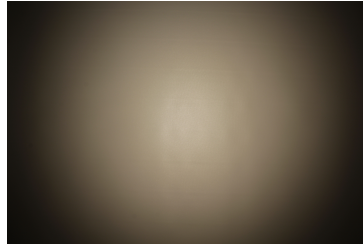


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

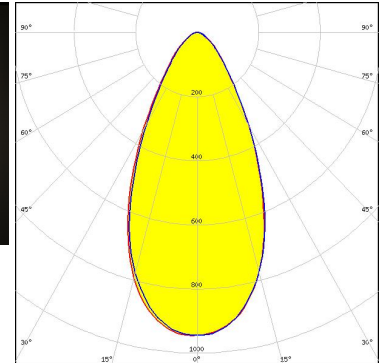
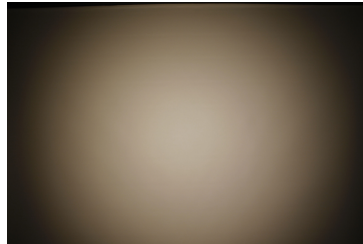
LED LC016D / LC019D / LC026D / LC033D
FWHM / FWTM 52.0° / 96.0°
Efficiency 85 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



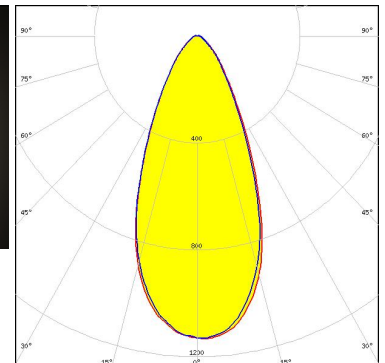
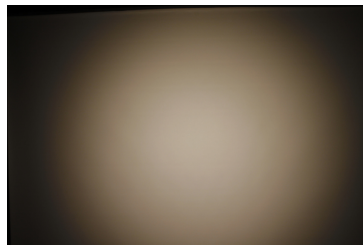
LED MJT COB LES 14.5
FWHM / FWTM 51.0° / 96.0°
Efficiency 84 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 433 Typ L5



Light distribution files



LED MJT COB LES 9.8
FWHM / FWTM 46.0° / 88.0°
Efficiency 90 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 434 Typ L5

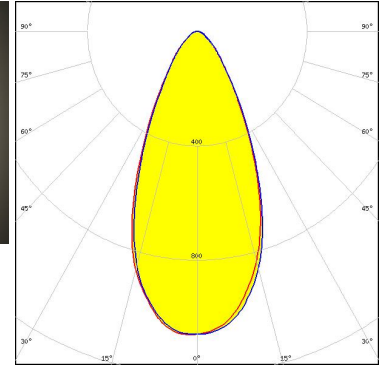


Light distribution files

OPTICAL RESULTS (MEASURED):



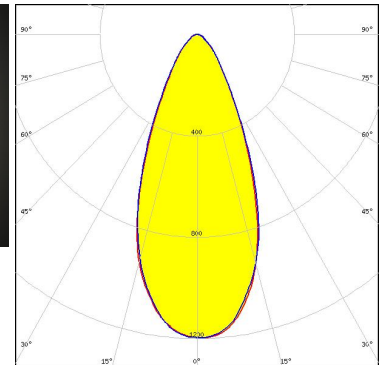
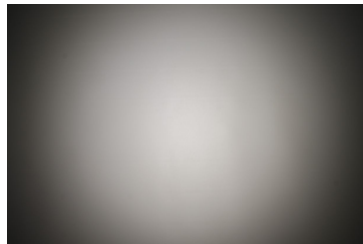
LED ZC12/18
FWHM / FWTM 48.0° / 90.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 433 Typ L5



Light distribution files



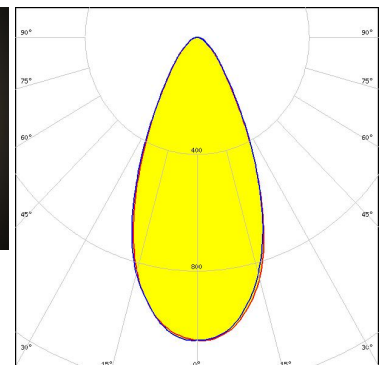
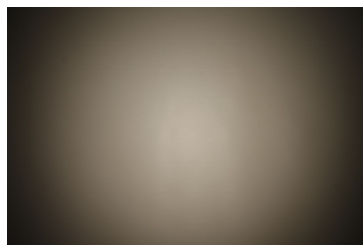
LED DMC 124 / 125
FWHM / FWTM 45.0° / 84.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 433 Typ L5



Light distribution files



LED DMC 128
FWHM / FWTM 49.0° / 90.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
Bender Wirth: 433 Typ L5

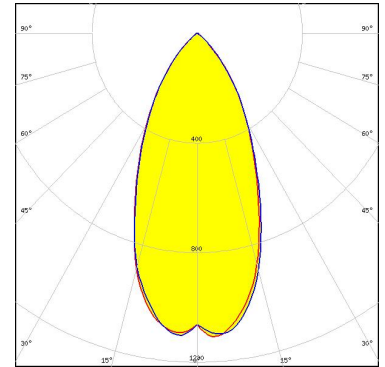


Light distribution files

OPTICAL RESULTS (SIMULATED):



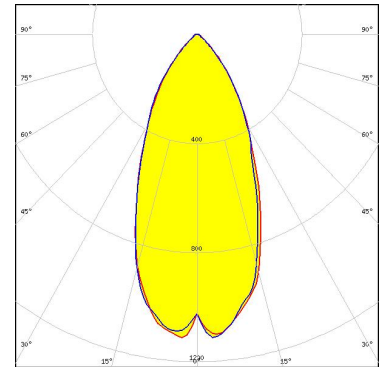
LED CXA/B 15xx
FWHM / FWTM 48.0° / 88.0°
Efficiency 86 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:
C14305_STELLA-CLAMP-CXA15-18



Light distribution files



LED LUXEON CoB 1202/1203
FWHM / FWTM 47.0° / 88.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Bender Wirth: 441 Typ L5

Light distribution files



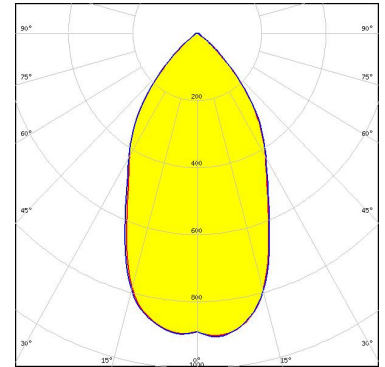
LED LUXEON CoB Compact
FWHM / FWTM 46.0° / 90.0°
Efficiency 89 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED LUXEON M/MX
FWHM / FWTM 56.0° / 98.0°
Efficiency 94 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED CxM-14 (19x19)
FWHM / FWTM 48.0° / 91.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 433 Typ L5

Light distribution files



LED CxM-9 (13.5x13.5)
FWHM / FWTM 46.0° / 88.0°
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

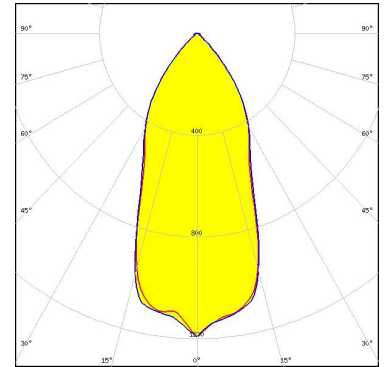
Bender Wirth: 434 Typ L5

Light distribution files

OPTICAL RESULTS (SIMULATED):



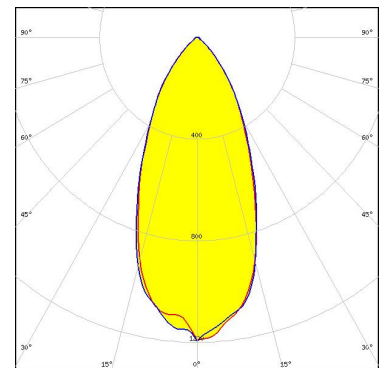
LED COB S-Type (LES 6)
 FWHM / FWTM 44.0° / 90.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



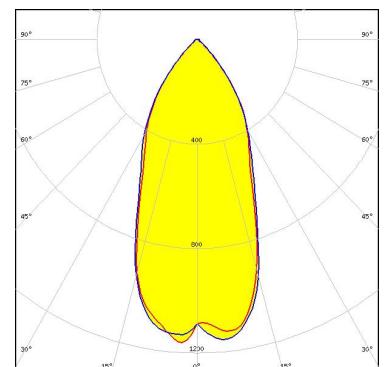
LED Soleriq S9
 FWHM / FWTM 45.0° / 87.0°
 Efficiency 90 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LC010C
 FWHM / FWTM 45.0° / 88.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Bender Wirth: 479 Typ L5

Light distribution files

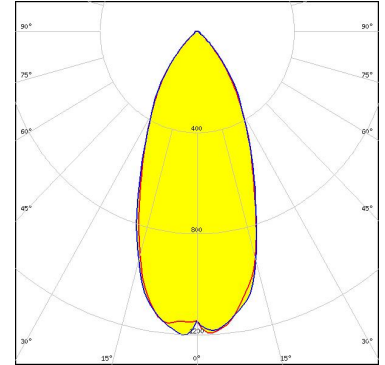
OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED LC020C
FWHM / FWTM 45.0° / 86.0°
Efficiency 89 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 479 Typ L5

Light distribution files

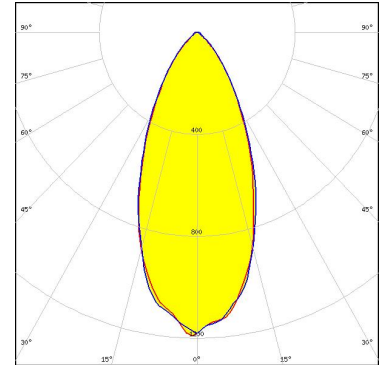


SAMSUNG

LED LC040C
FWHM / FWTM 45.0° / 86.0°
Efficiency 88 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 479 Typ L5

Light distribution files



LED ZC4/6
FWHM / FWTM 46.0° / 88.0°
Efficiency 87 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Bender Wirth: 434 Typ L5

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.

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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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