

RONDA-WW

~60° wide beam with holder A compatible with 3rd party connectors from TE, Bender+Wirth and IDEAL

TECHNICAL SPECIFICATIONS:

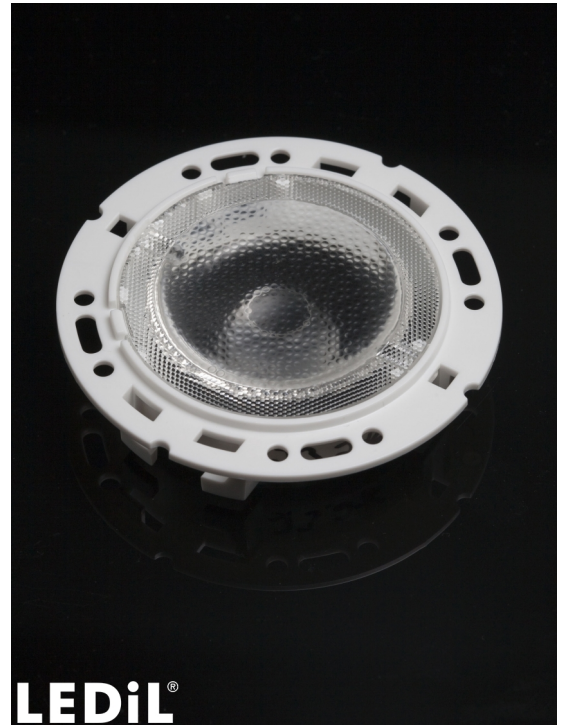
Dimensions	Ø 69.9 mm
Height	14.6 mm
Fastening	socket
ROHS compliant	yes ⓘ

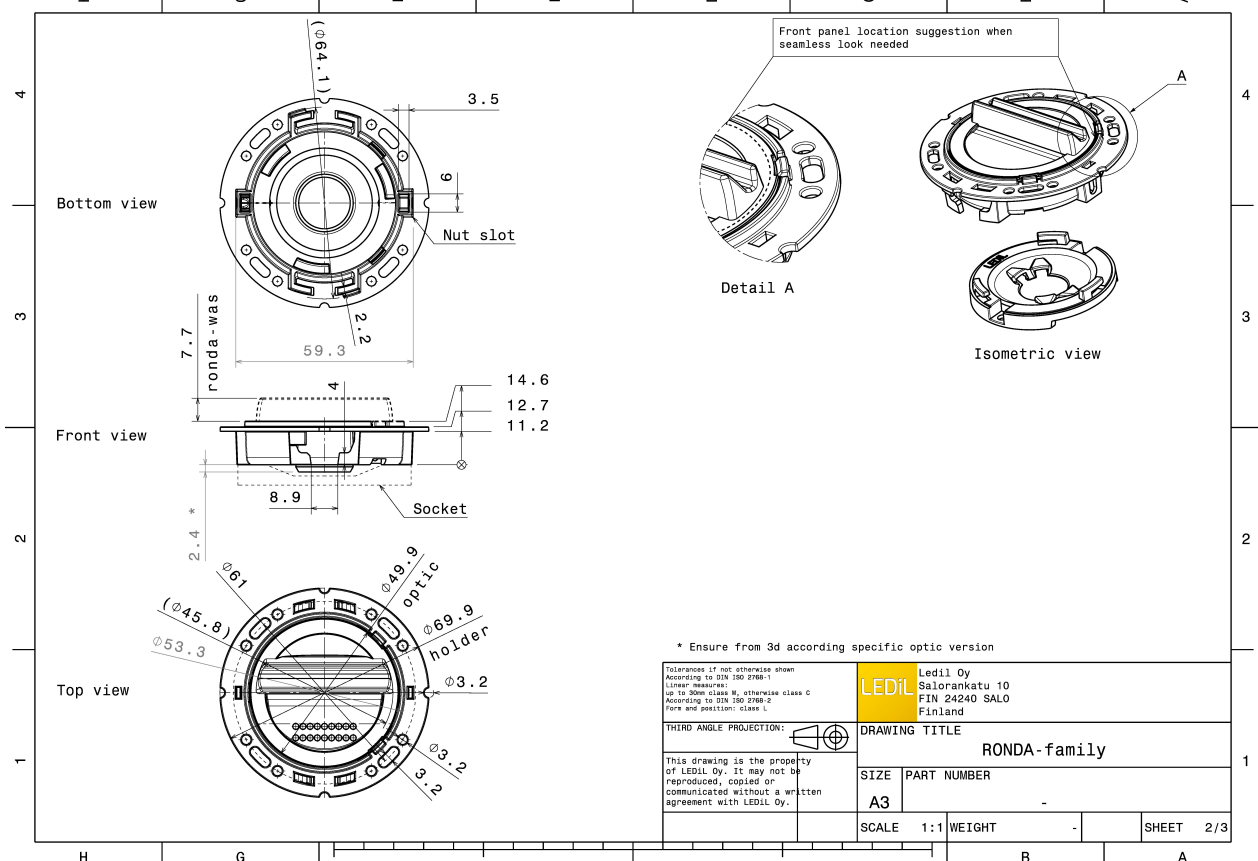
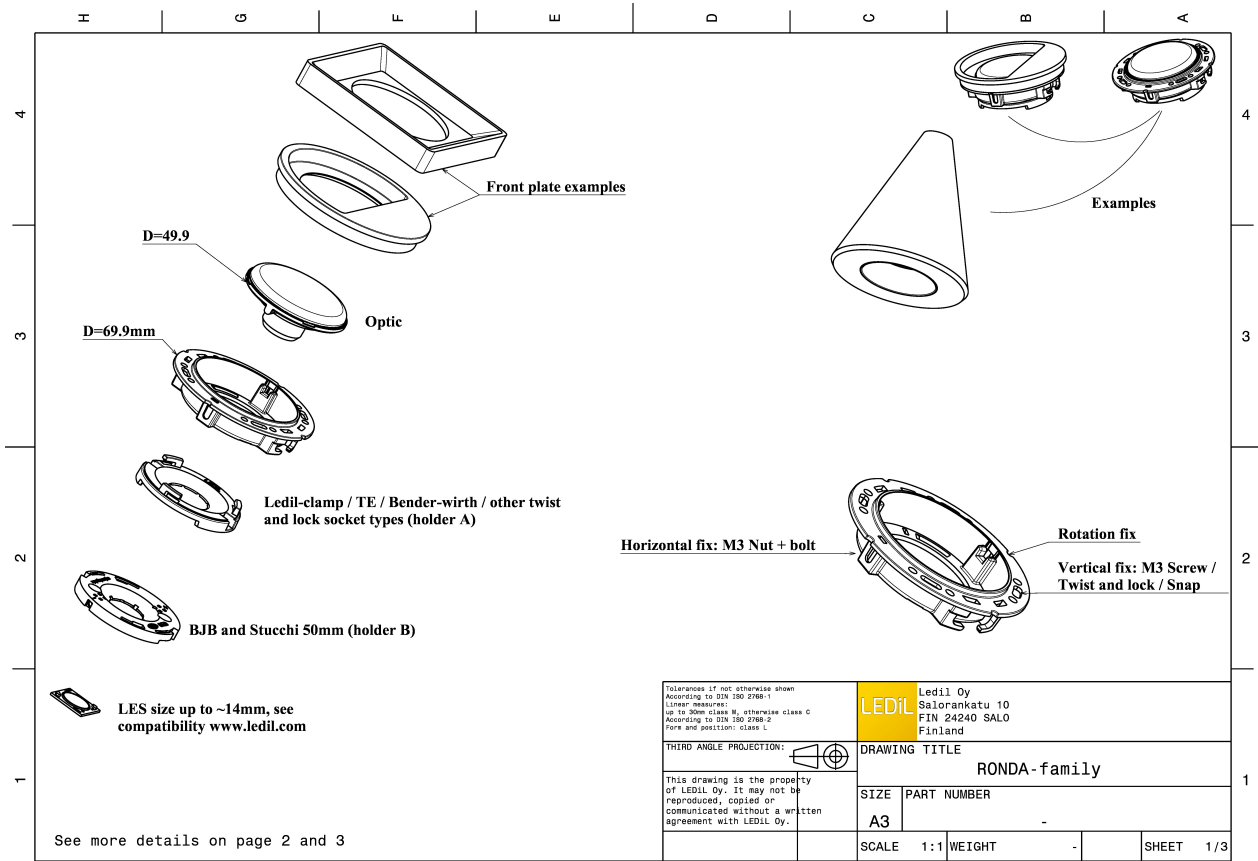
MATERIAL SPECIFICATIONS:

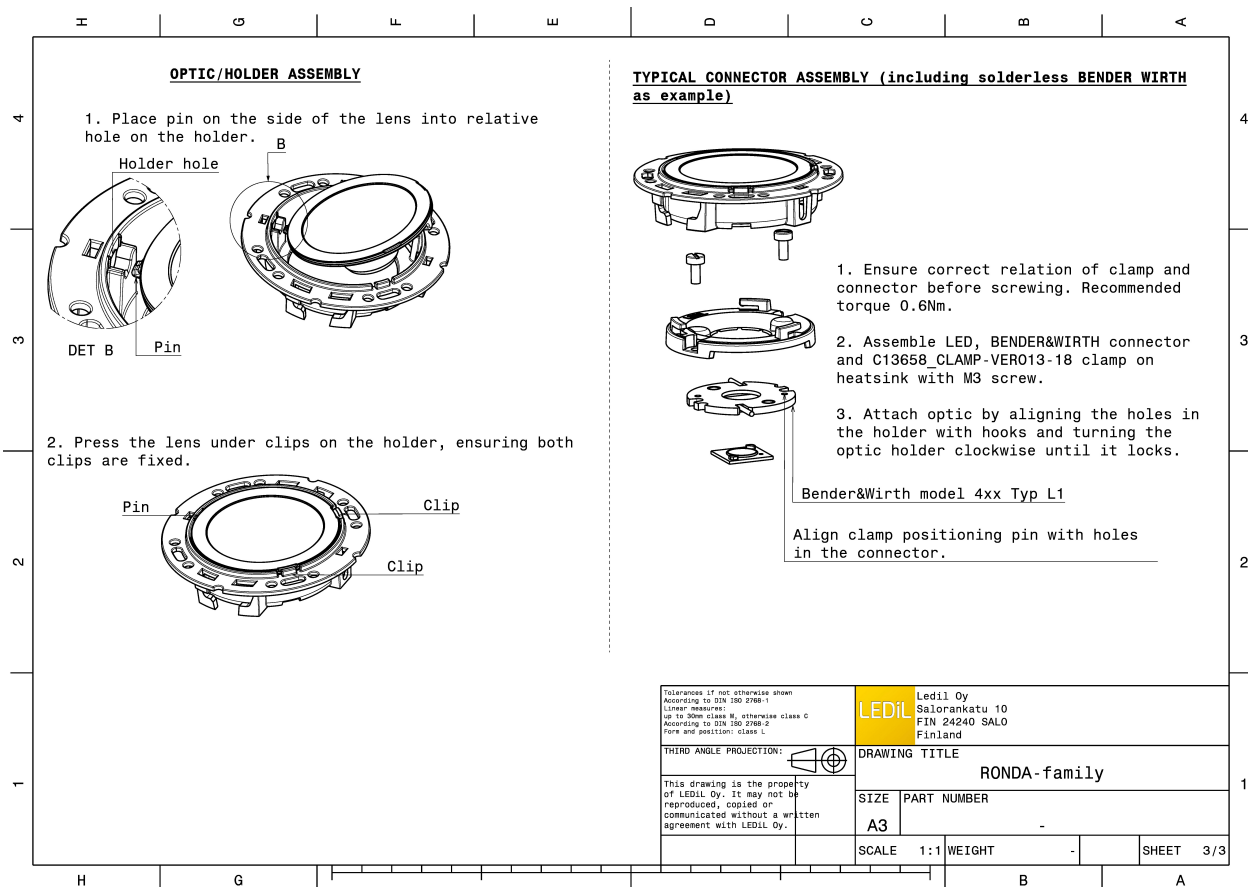
Component	Type	Material	Colour	Finish
RONDA-WW	Single lens	PMMA	clear	
RONDA-HLD-A	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN15387_RONDA-WW	Single lens	420	120	30	0.0
» Box size:					



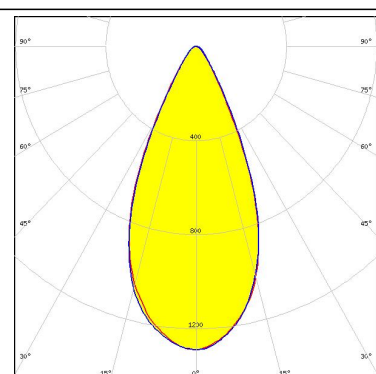
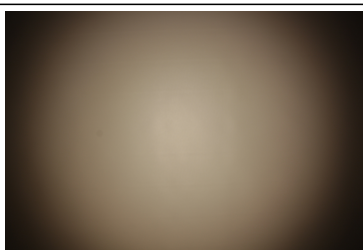




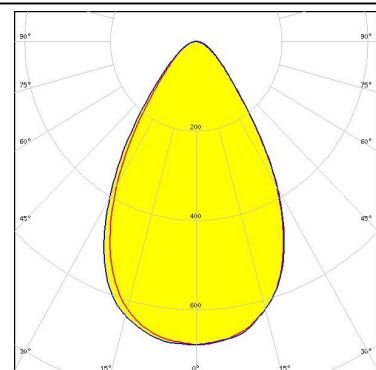
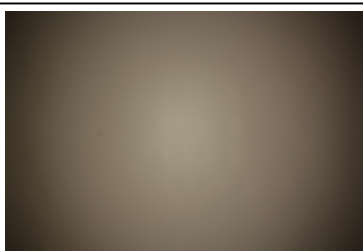
PHOTOMETRIC DATA (MEASURED):



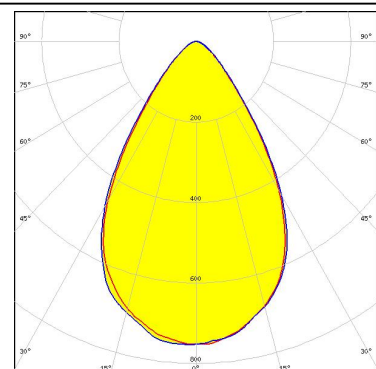
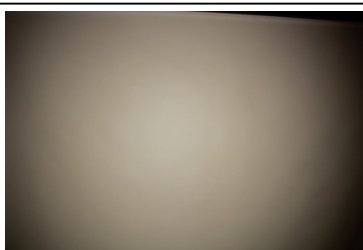
LED V10 Gen7
FWHM 47.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 486 Typ L1



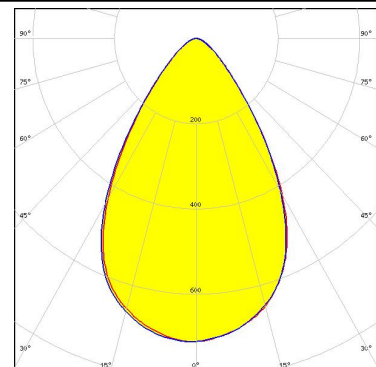
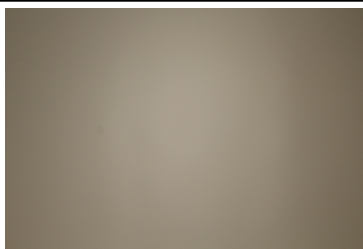
LED V13 Gen7
FWHM 64.0°
Efficiency 82 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED Vero SE 13
FWHM 65.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16402_CLAMP-VEROSE-13-18



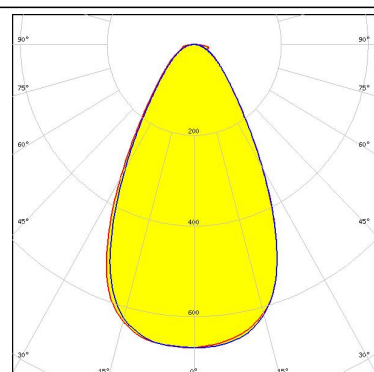
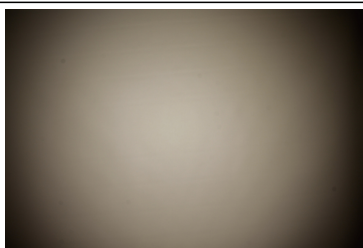
LED VERO13
FWHM 66.0°
Efficiency 88 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



PHOTOMETRIC DATA (MEASURED):

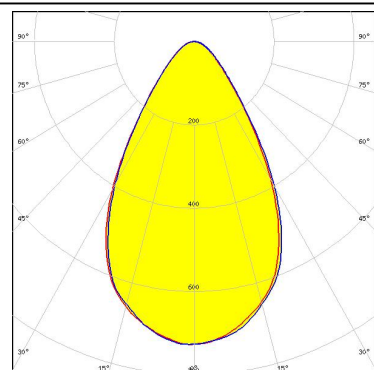
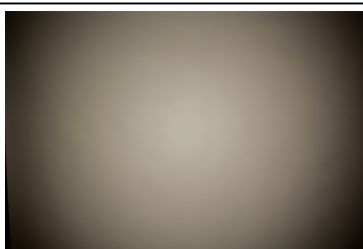
CITIZEN

LED CLL03x/CLU03x
FWHM 59.0°
Efficiency 81 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN



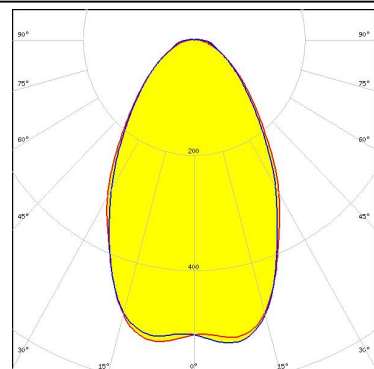
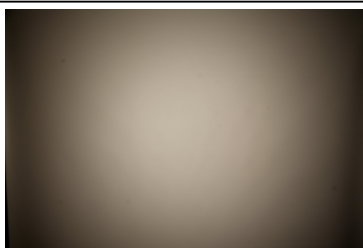
CITIZEN

LED CLL03x/CLU03x
FWHM 63.0°
Efficiency 87 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C16791_CLAMP-Z45-A
TE: 2325807-3



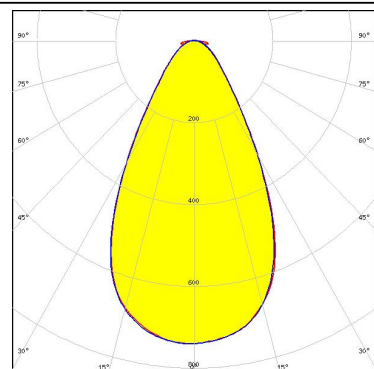
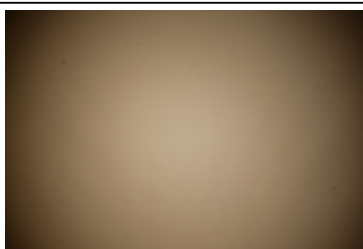
CITIZEN

LED CLL04x/CLU04x
FWHM 66.0°
Efficiency 81 %
Peak intensity 0.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



CITIZEN

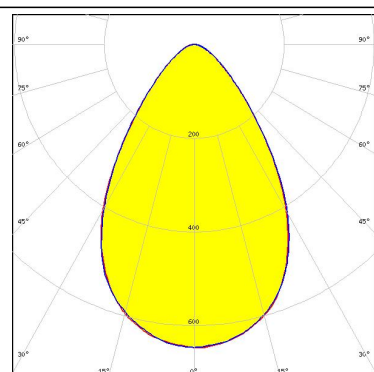
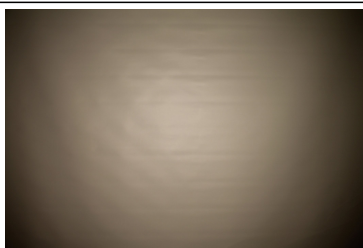
LED CLU730/731
FWHM 58.0°
Efficiency 83 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2204-CT + 50-2100AN



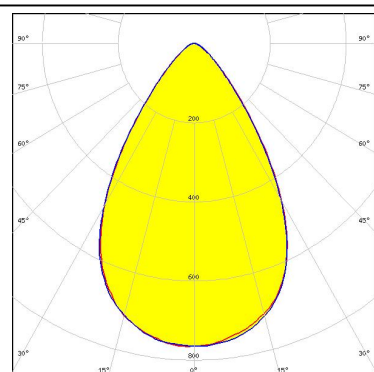
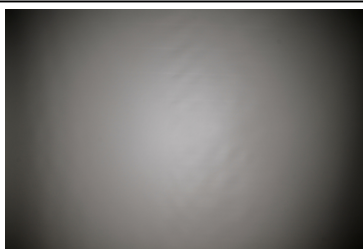
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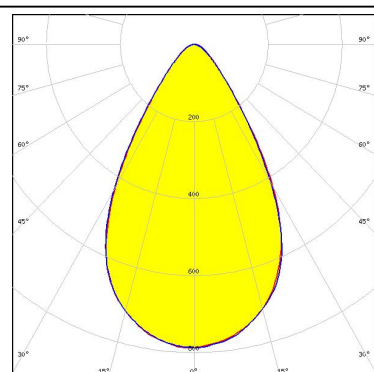
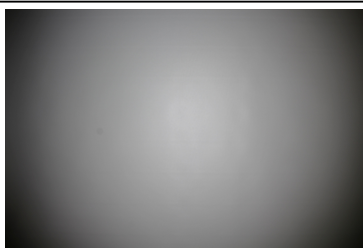
LED CMA1840
FWHM 69.0°
Efficiency 89 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



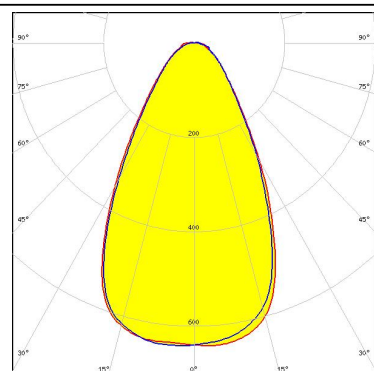
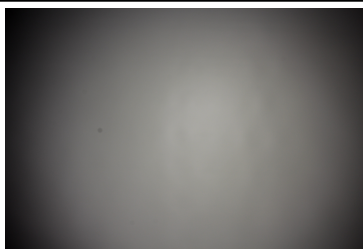
LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 66.0°
Efficiency 93 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 62.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB J-Type
FWHM 60.0°
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103NC + 50-2100AN



PHOTOMETRIC DATA (MEASURED):



LED COB L-Type (LES 11)

FWHM 57.0°

Efficiency 88 %

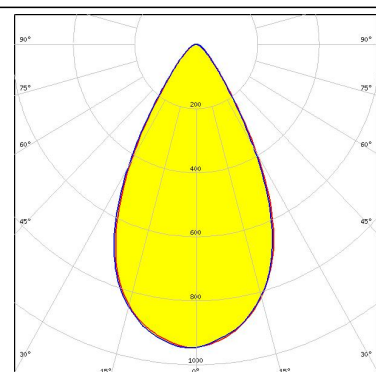
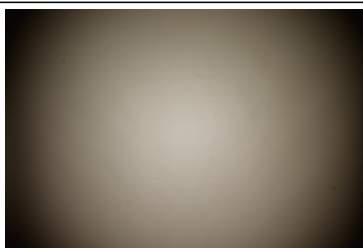
Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED COB L-Type (LES 11)

FWHM 50.0°

Efficiency 85 %

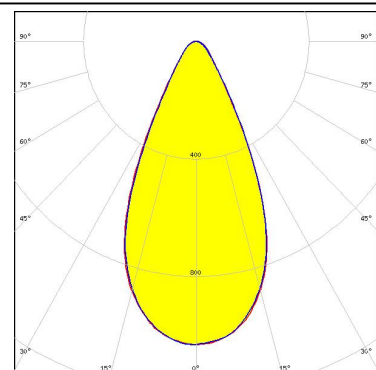
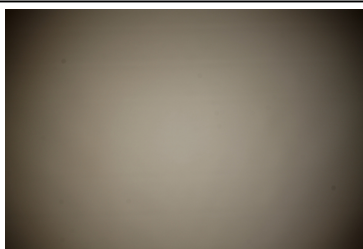
Peak intensity 1 cd/lm

LEDs/each optic 1

Light colour White

Required components:

IDEAL: 50-2100NC + 50-2100AN



LED PrevaLED Core G7 L15 H1

FWHM 65.0°

Efficiency 86 %

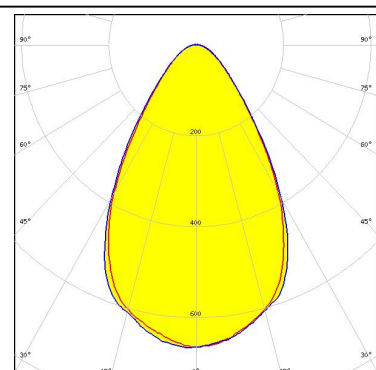
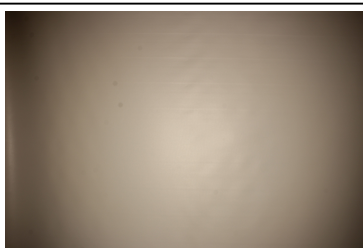
Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

C16685_CLAMP-PRV-A



LED Soleriq S13 19x19

FWHM 58.0°

Efficiency 85 %

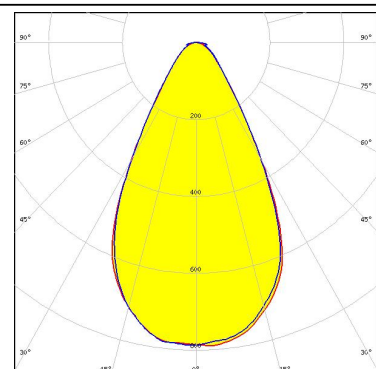
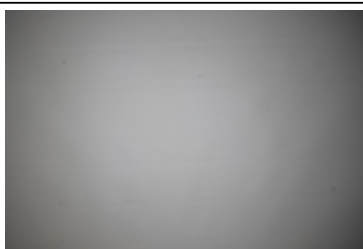
Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:

IDEAL: 50-2103CT + 50-2100AN



PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED Soleriq S13 19x19

FWHM 63.0°

Efficiency 84 %

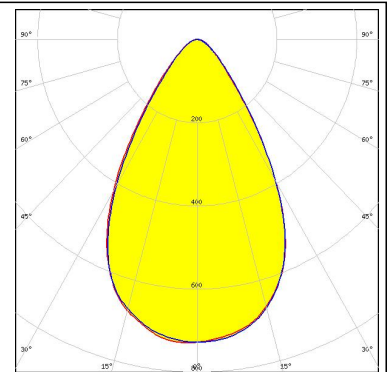
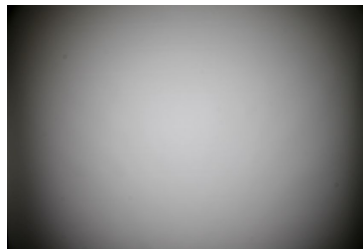
Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L13 + SLM holder

FWHM 61.0°

Efficiency 82 %

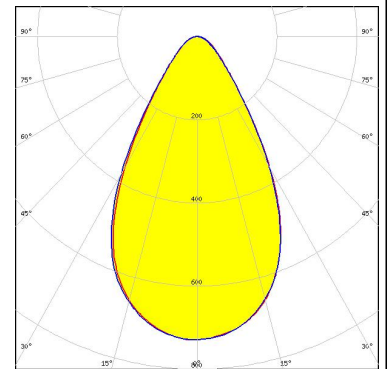
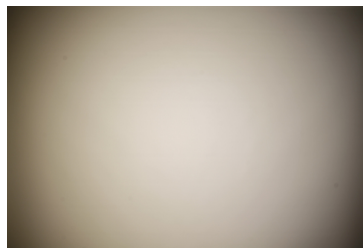
Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L13 CoB

FWHM 66.0 + °

Efficiency 85 %

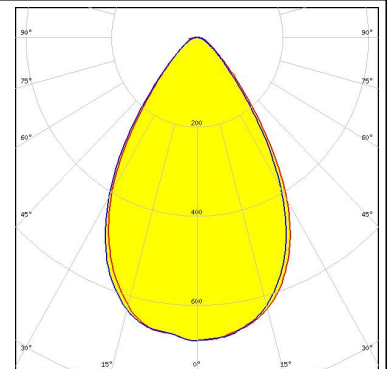
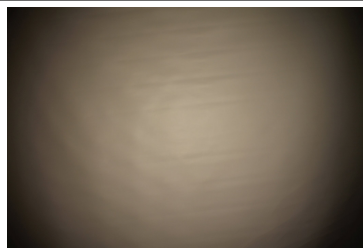
Peak intensity 0.7 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHILIPS

LED Fortimo SLM L15 + SLM holder

FWHM 66.0°

Efficiency 83 %

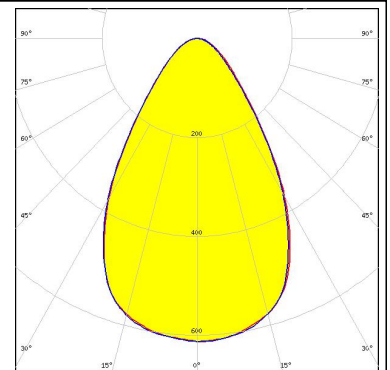
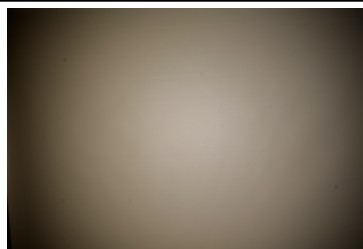
Peak intensity 0.6 cd/lm

LEDs/each optic 1

Light colour White

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1

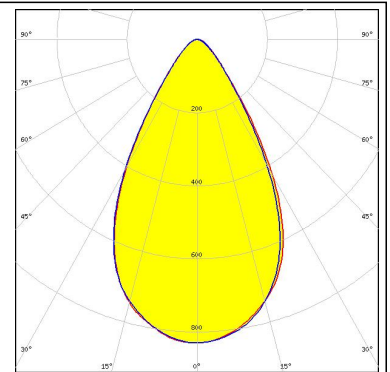


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

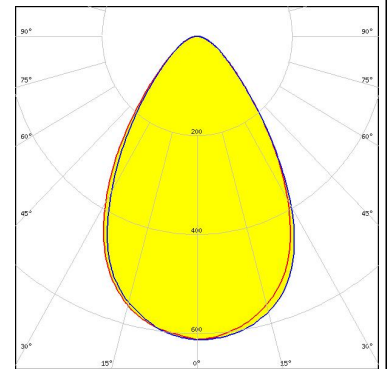
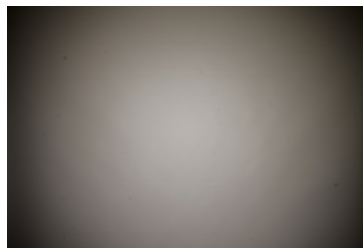
LED LC040C
FWHM 60.0°
Efficiency 86 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



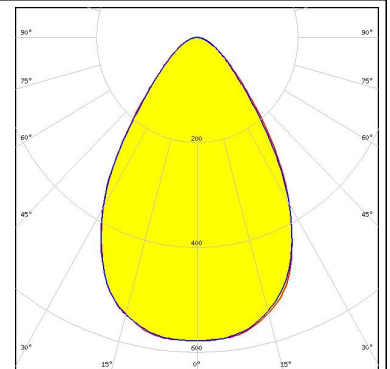
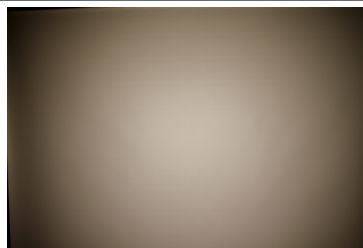
SEOUL SEMICONDUCTOR

LED AC Zhaga COB
FWHM 67.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
Optosource: SEHSMJD-A

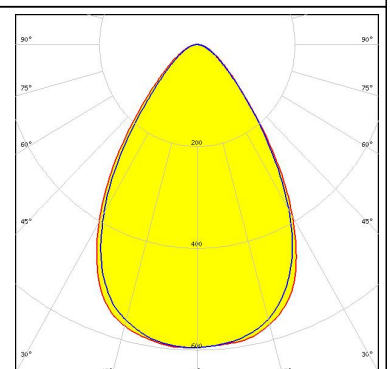
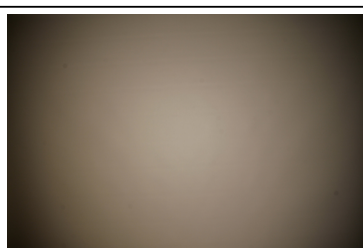


SEOUL SEMICONDUCTOR

LED MJT COB LES 14.5
FWHM 69.0°
Efficiency 80 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1



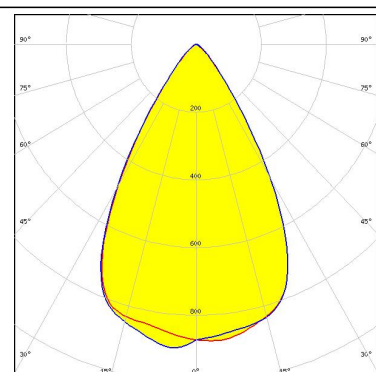
LED WU-M-484
FWHM 69.0°
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



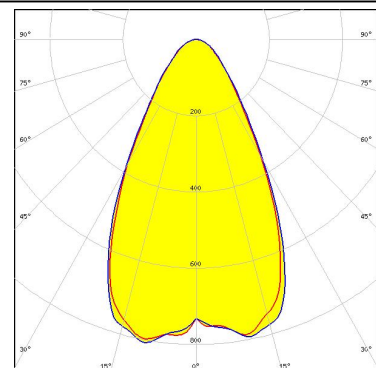
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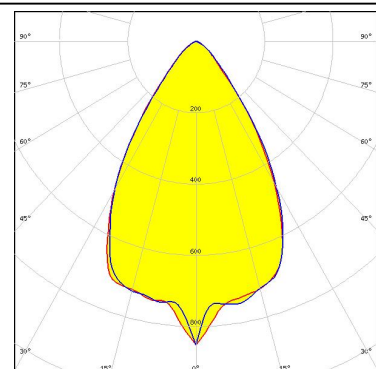
LED V10 Gen6
FWHM 60.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



LED V13 Gen7
FWHM 59.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:
IDEAL: 50-2103CT + 50-2100AN



LED V13 Gen7
FWHM 60.0°
Efficiency 88 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



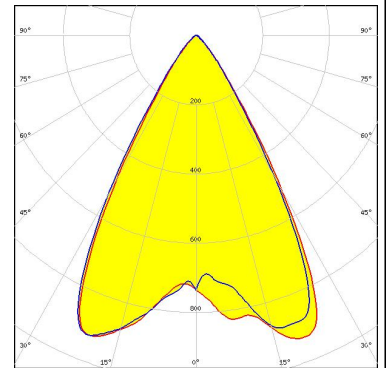
CITIZEN

LED CLL02x/CLU02x (LES10)
FWHM 60.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

CITIZEN

LED CLU700/701/702
FWHM 60.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1

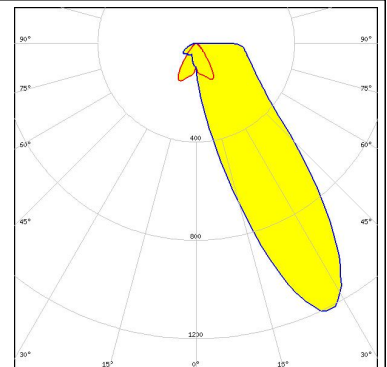


CITIZEN

LED CLU710/711
FWHM 60.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 470 Typ L1

CREE

LED CXA/B 13xx
FWHM 62.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 448 Typ L1



CREE

LED CXA/B 15xx
FWHM 62.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 441 Typ L1

PHOTOMETRIC DATA (SIMULATED):

CREE

LED CXA/B 15xx
FWHM 62.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18

CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 63.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18

CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 57.0°
Efficiency 85 %
LEDs/each optic 1
Light colour White
Required components:
TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1

CREE

LED CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM 63.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 437 Typ L1

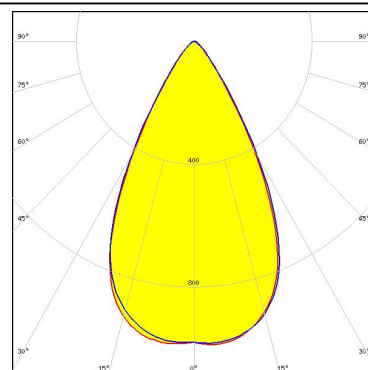
PHOTOMETRIC DATA (SIMULATED):



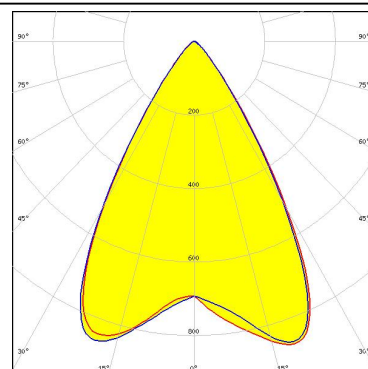
LED CXA/B 1830
FWHM 62.0°
Efficiency 87 %
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



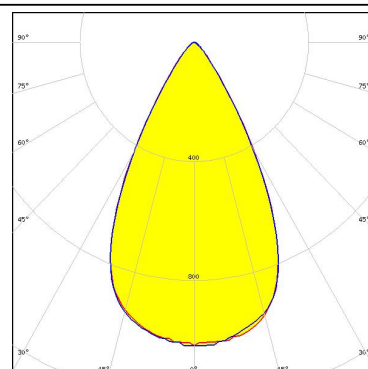
LED LUXEON CoB 1202/1203
FWHM 56.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



LED LUXEON CoB 1202s
FWHM 60.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 452 Typ L1



LED COB L-Type (LES 9)
FWHM 56.0°
Efficiency 87 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):



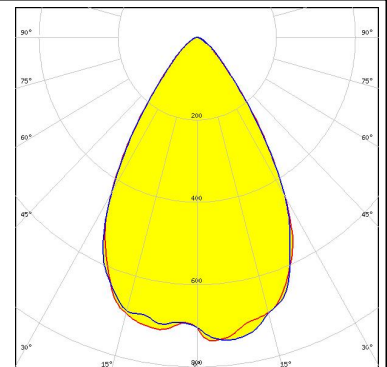
LED NSCxL036A
FWHM 56.0°
Efficiency 88 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



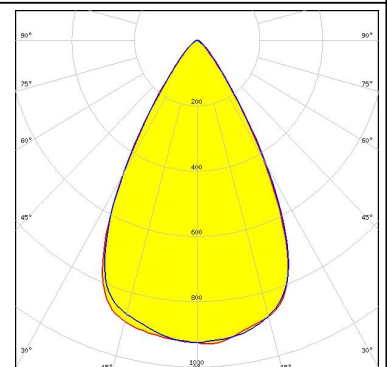
LED Duris S10
FWHM 66.0°
Efficiency 89 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18



LED Soleriq S13
FWHM 63.0°
Efficiency 84 %
LEDs/each optic 1
Light colour White
Required components:
C14123_CLAMP-CXA15-18



LED Mini Zenigata (GW6BM)
FWHM 62.0°
Efficiency 88 %
LEDs/each optic 1
Light colour White
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 452 Typ L1



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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