RONDA-ZT45

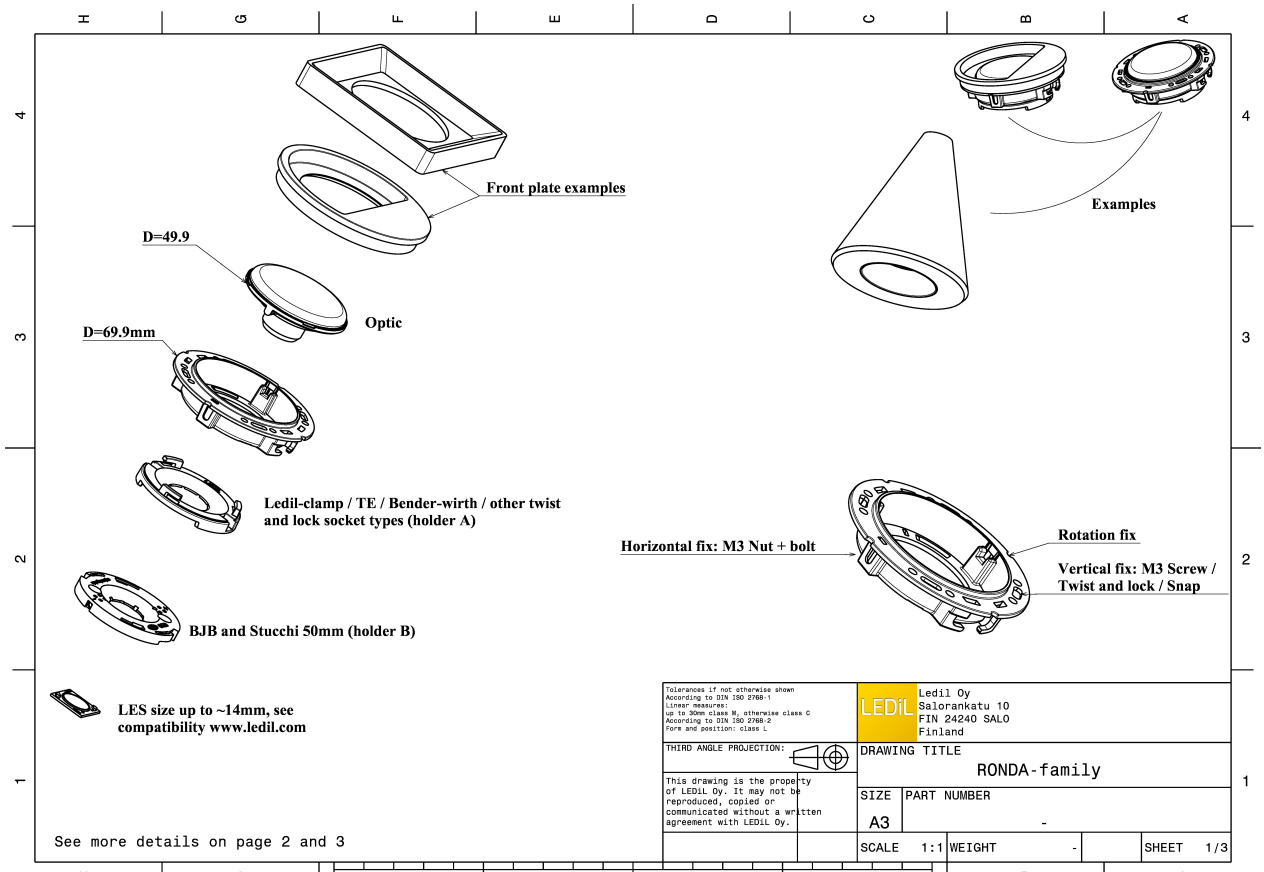
Double asymmetric beam for wall washing and supermarket applications with holder A compatible with 3rd party connectors from TE, Bender+Wirth and IDEAL

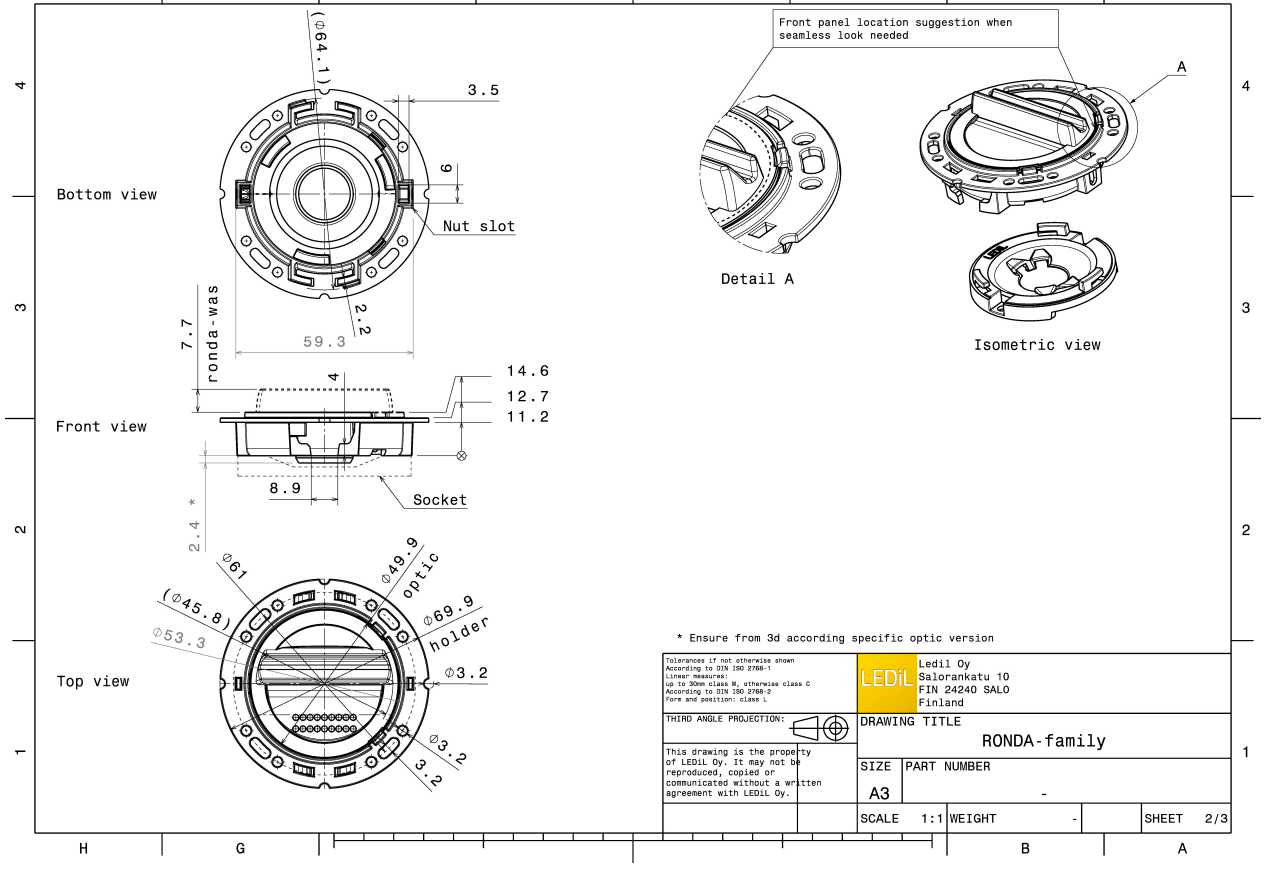
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.9 mm
Height	15 mm
Fastening	socket
Colour	white
Box size	
Box weight	0 kg
Quantity in Box	420 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

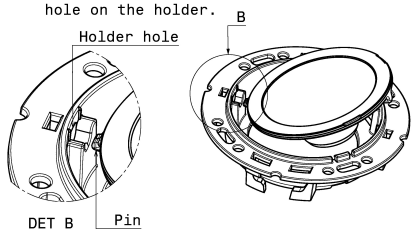
Component	Type	Material	Colour
RONDA-ZT45	Lens	PMMA	clear
RONDA-HLD-A	Holder	PC	white



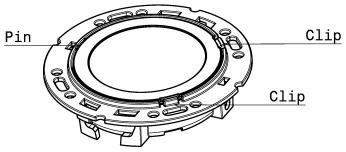


OPTIC/HOLDER ASSEMBLY

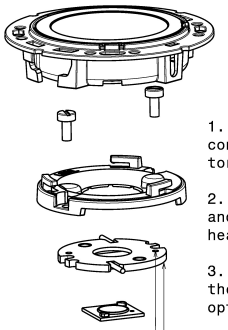
1. Place pin on the side of the lens into relative hole on the holder.



2. Press the lens under clips on the holder, ensuring both clips are fixed.



TYPICAL CONNECTOR ASSEMBLY (including solderless BENDER WIRTH as example)



1. Ensure correct relation of clamp and connector before screwing. Recommended torque 0.6Nm.

2. Assemble LED, BENDER&WIRTH connector and C13658_CLAMP-VERO13-18 clamp on heatsink with M3 screw.

3. Attach optic by aligning the holes in the holder with hooks and turning the optic holder clockwise until it locks.

Bender&Wirth model 4xx Typ L1

Align clamp positioning pin with holes in the connector.

Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: up to 30mm class H, otherwise class C According to DIN ISO 2768-2 Form and position: class L	Ledil Oy Salorankatu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE RONDA-family
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.	SIZE A3 / PART NUMBER - SCALE 1:1 / WEIGHT - / SHEET 3/3

PHOTOMETRIC DATA (MEASURED):

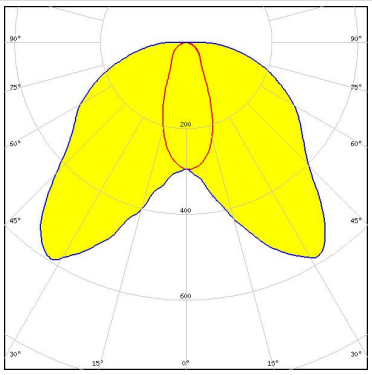
bridgelux

LED	V10 Gen7
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.600 cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1

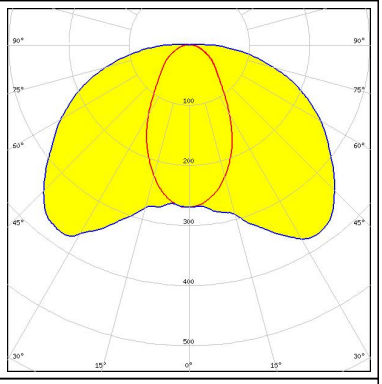


bridgelux

LED	V13 Gen7
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.380 cd/lm

Required components:

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

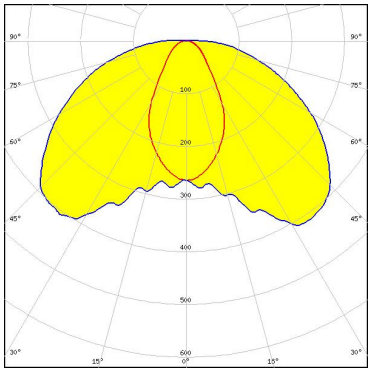


bridgelux

LED	Vero SE 13
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.400 cd/lm

Required components:

C16402_CLAMP-VEROSE-13-18

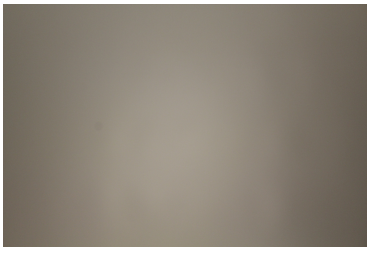


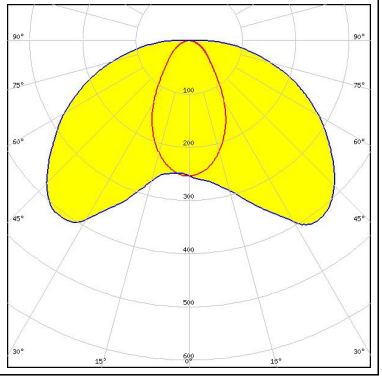
bridgelux

LED	VERO13
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.420 cd/lm

Required components:

C13658_CLAMP-VERO13-18



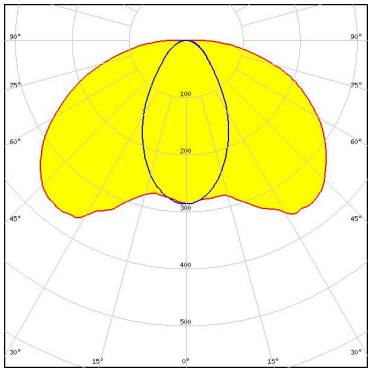


PHOTOMETRIC DATA (MEASURED):

CREE

LED	CMA1840
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	0.370 cd/lm

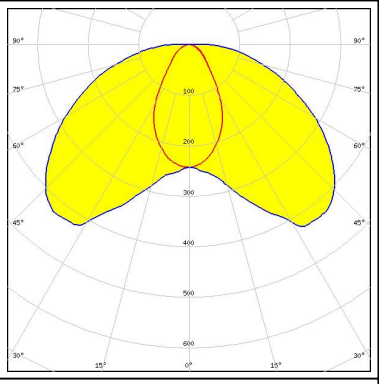
Required components:
C14123_CLAMP-CXA15-18



CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.430 cd/lm

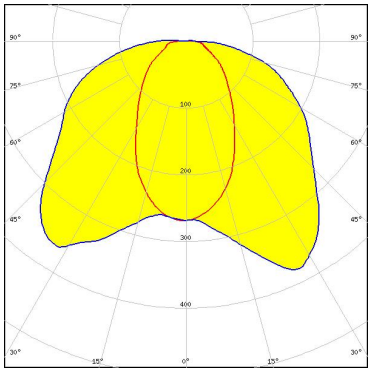
Required components:
LEDiL: C14123_CLAMP-CXA15-18



NICHIA

LED	COB J-Type
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.830 cd/lm

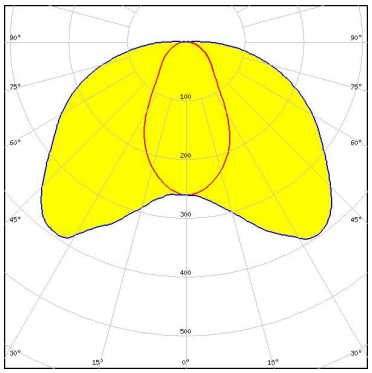
Required components:
IDEAL: 50-2103NC + 50-2100AN



PHILIPS

LED	Fortimo SLM L13 Standard
FWHM	Asymmetric
Efficiency	83 %
Peak intensity	0.400 cd/lm

Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1

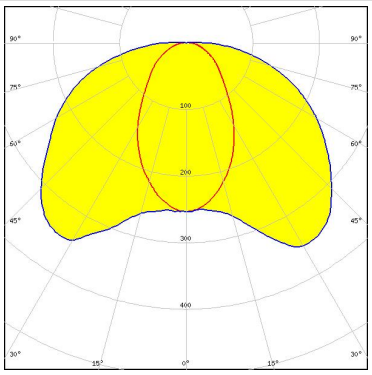


PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L15 Standard
FWHM	Asymmetric
Efficiency	82 %
Peak intensity	0.350 cd/lm

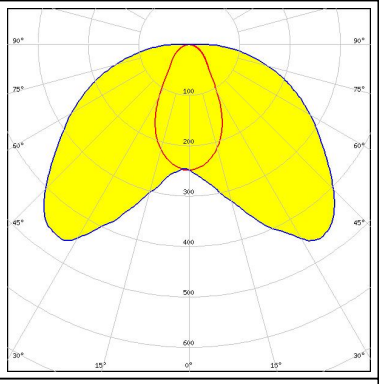
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



SAMSUNG

LED	LC040C
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	0.460 cd/lm

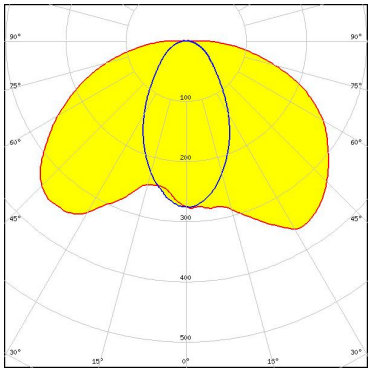
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

LED	AC Zhaga COB
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.370 cd/lm

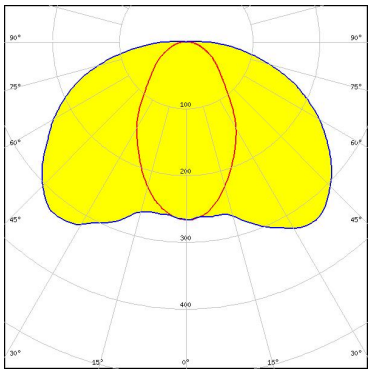
Required components:
Optosource: SEHSMJD-A



SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM	Asymmetric
Efficiency	81 %
Peak intensity	0.300 cd/lm

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



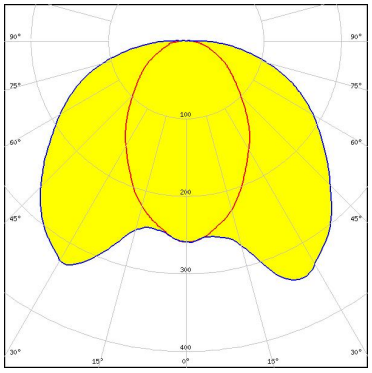
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED	SLE G5 LES19 H
FWHM	Asymmetric
Efficiency	81 %
Peak intensity	0.340 cd/lm

Required components:

TE: OPTIC CLIP Z50 TYPE1 2213194-1



PHOTOMETRIC DATA (SIMULATED):

bridgelux

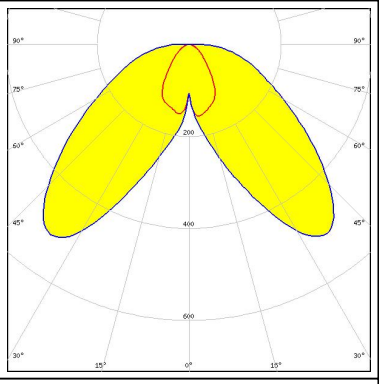
LED	V10 Gen6
FWHM	44.0°
Efficiency	%
Peak intensity	1.560 cd/lm

Required components:
C14123_CLAMP-CXA15-18

bridgelux

LED	V10 Gen6
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	cd/lm

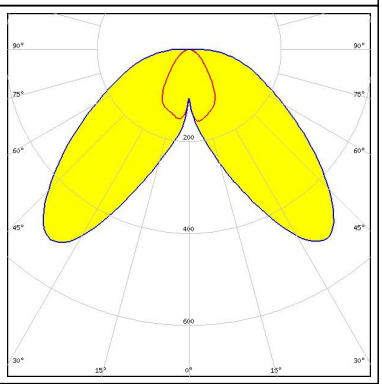
Required components:
C14123_CLAMP-CXA15-18



bridgelux

LED	V10 Gen6
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	cd/lm

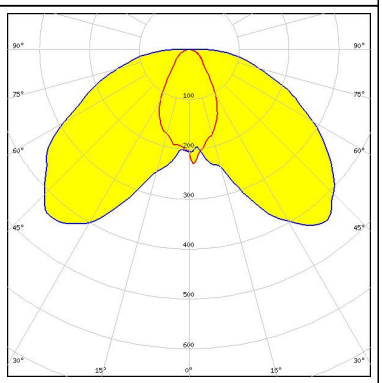
Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 455 Typ L1



bridgelux

LED	V13 Gen7
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	0.440 cd/lm

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 477 Typ L1



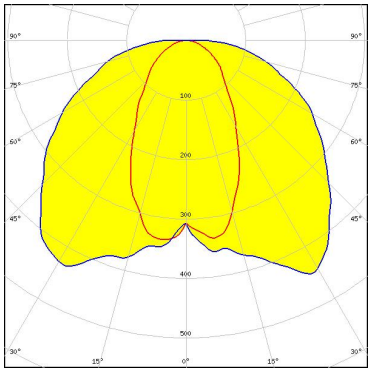
PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V13 Gen7
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	0.000 cd/lm

Required components:

IDEAL: 50-2103CT + 50-2100AN



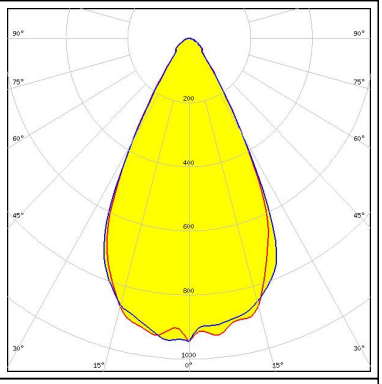
bridgelux

LED	V13 Gen7
FWHM	56.0°
Efficiency	85 %
Peak intensity	0.950 cd/lm

Required components:

C14123_CLAMP-CXA15-18

Bender Wirth: 477 Typ L1



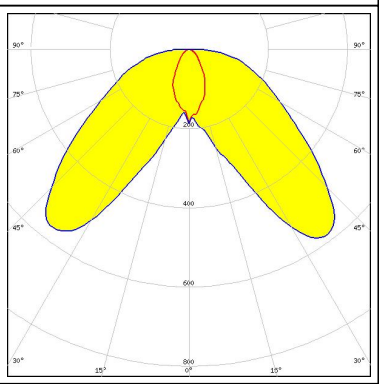
CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1



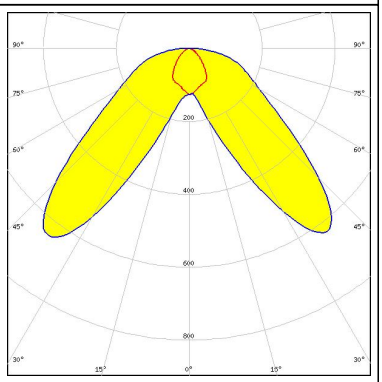
CITIZEN

LED	CLU700/701
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:

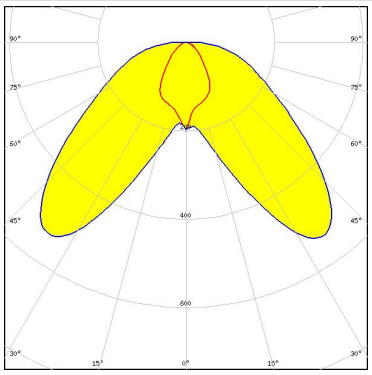
C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1



PHOTOMETRIC DATA (SIMULATED):

CITIZEN



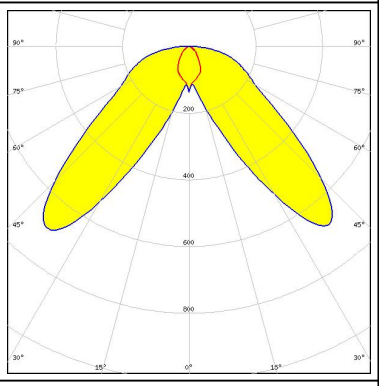
LED	CLU710/711
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 470 Typ L1

CREE



LED	CXA/B 13xx
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 448 Typ L1

CREE

LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 441 Typ L1

CREE

LED	CXA/B 15xx
FWHM	42.0°
Efficiency	%
Peak intensity	cd/lm

Required components:

C14123_CLAMP-CXA15-18

PHOTOMETRIC DATA (SIMULATED):

CREE

LED	CXA/B 15xx
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:
C14123_CLAMP-CXA15-18

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:
C14123_CLAMP-CXA15-18

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	48.0°
Efficiency	%
Peak intensity	1.420 cd/lm

Required components:
C14123_CLAMP-CXA15-18

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 437 Typ L1

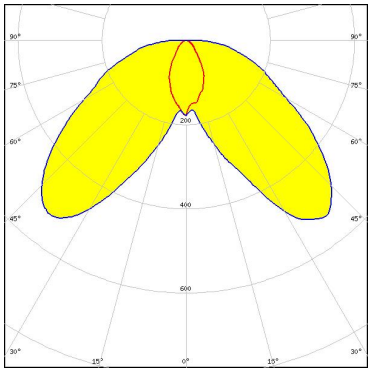
PHOTOMETRIC DATA (SIMULATED):

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	Asymmetric
Efficiency	%
Peak intensity	cd/lm

Required components:

TE: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1



CREE

LED	CXA/B 1830
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	cd/lm

Required components:

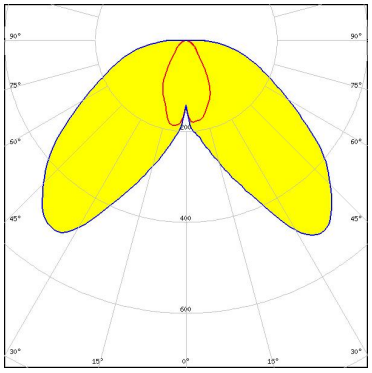
C14123_CLAMP-CXA15-18

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	cd/lm

Required components:

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



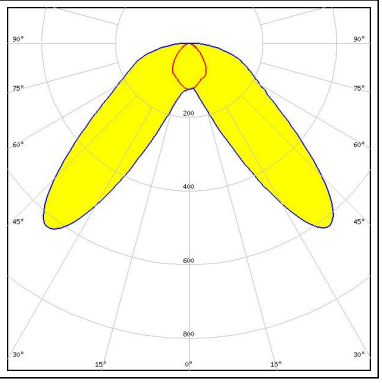
LUMILEDS

LED	LUXEON CoB 1202s
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 452 Typ L1



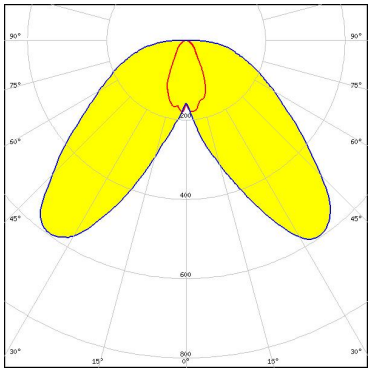
PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	COB L-Type (LES 9)
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	cd/lm

Required components:

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



NICHIA

LED	NSCxL036A
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	cd/lm

Required components:

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

OSRAM
Opto Semiconductors

LED	Duris S10
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	0.000 cd/lm

Required components:

C13658_CLAMP-VERO13-18

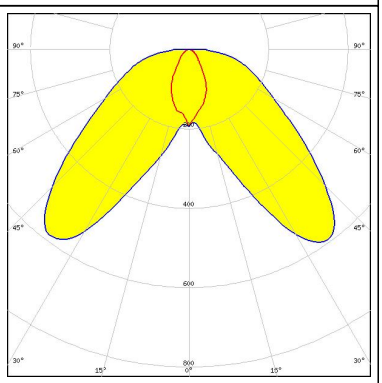
SHARP

LED	Mini Zenigata (GW6BM)
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 452 Typ L1



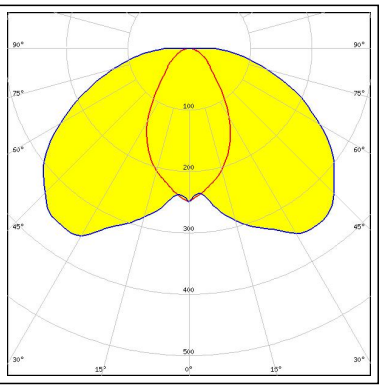
PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED	SLE G6 LES15
FWHM	Asymmetric
Efficiency	80 %
Peak intensity	0.360 cd/lm

Required components:

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



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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