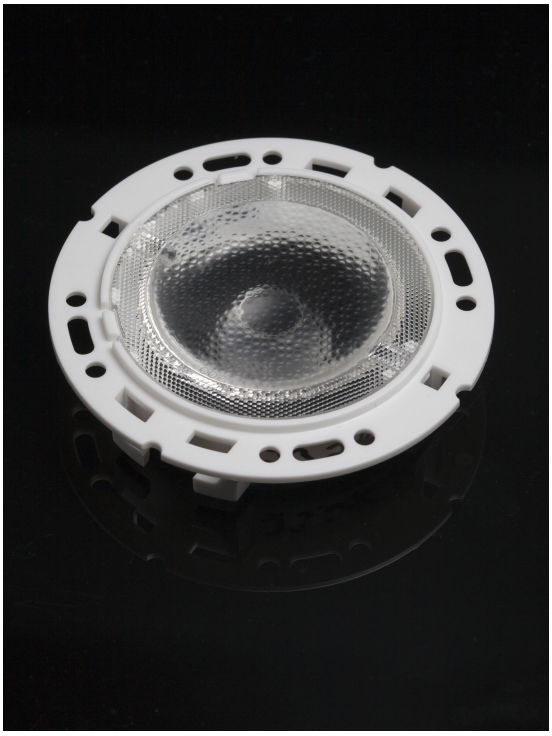
RONDA-WW

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

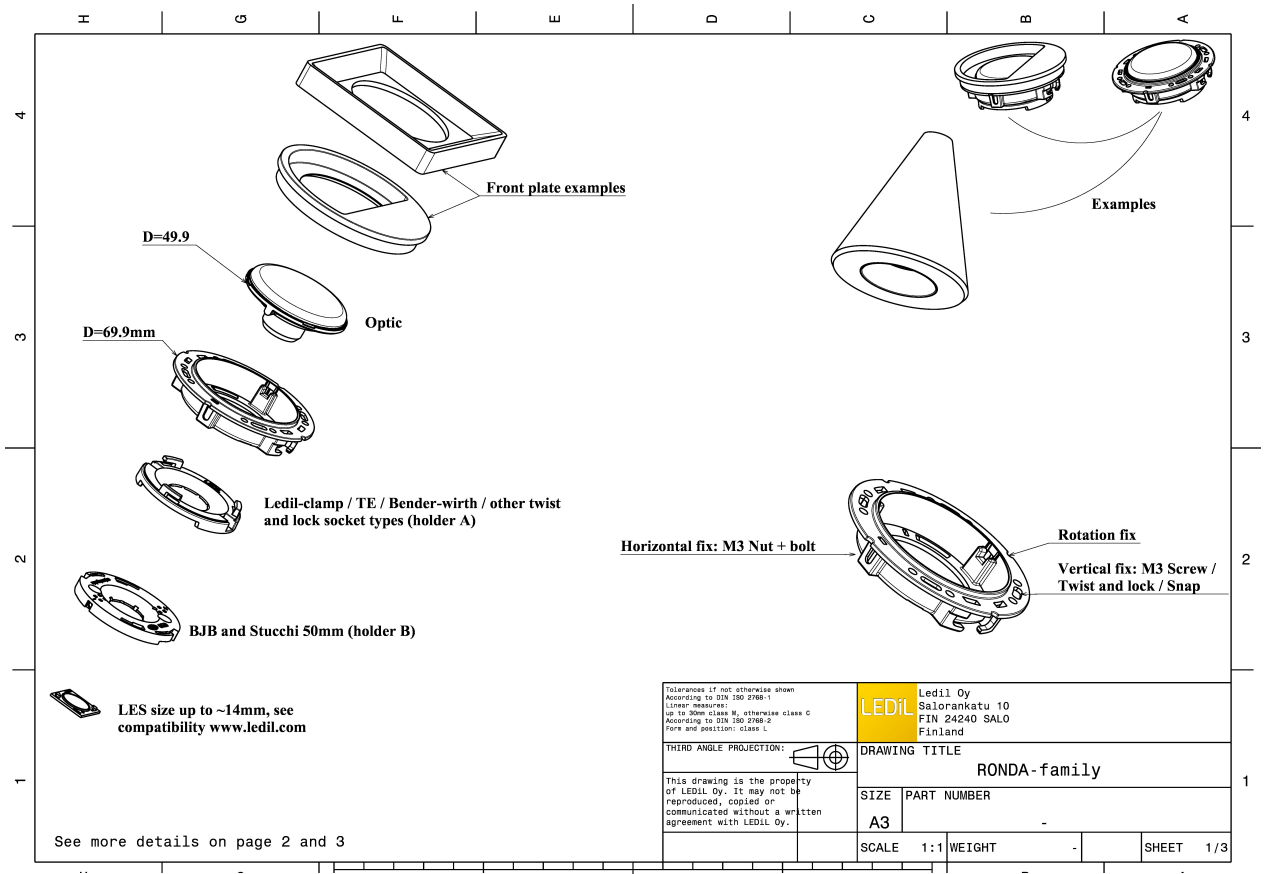


TECHNICAL SPECIFICATIONS:

Dimensions	Ø 69.9 mm
Height	14.6 mm
Fastening	socket
Colour	white
Box size	
Box weight	0 kg
Quantity in Box	420 pcs
ROHS compliant	yes

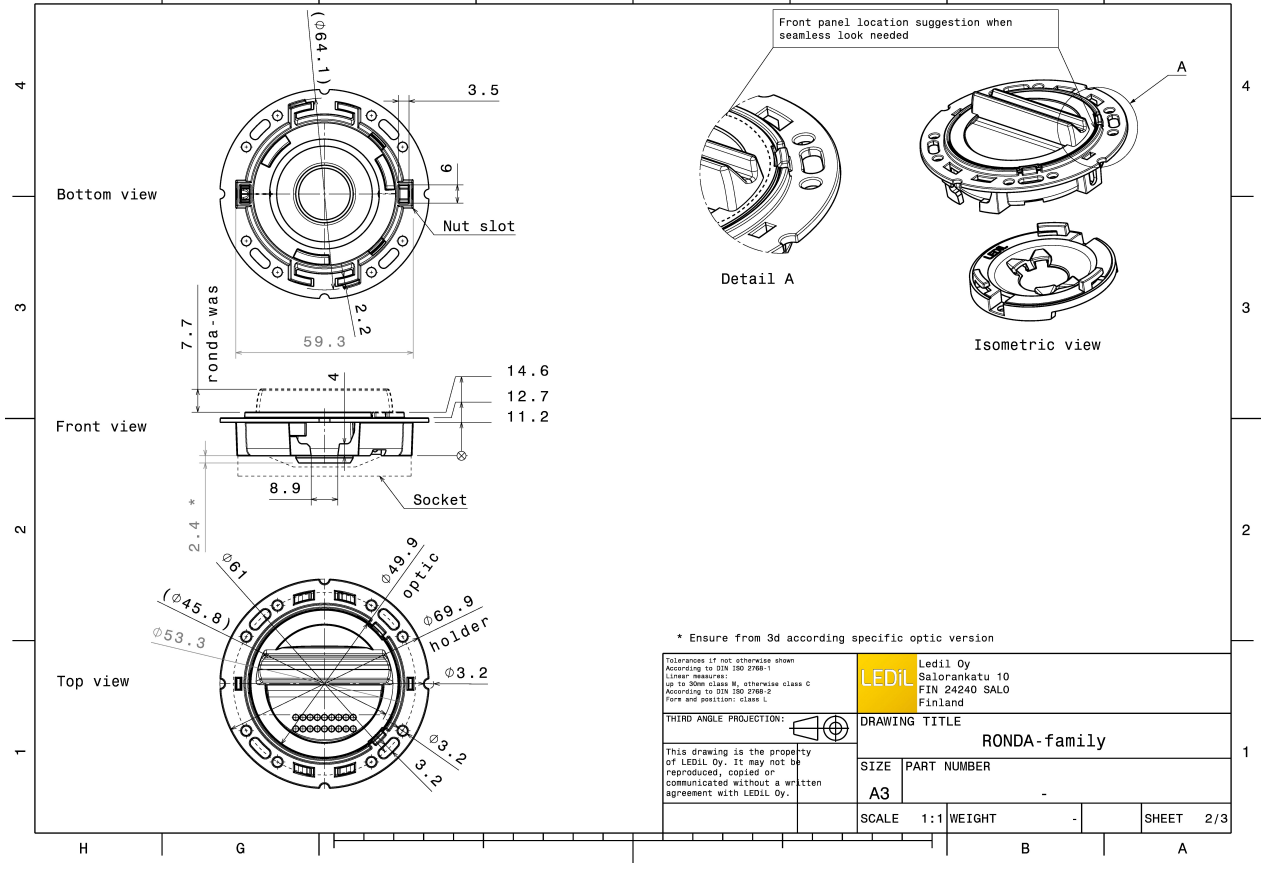
MATERIAL SPECIFICATIONS:

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



See more details on page 2 and 3

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	Ledil Oy Saloranktu 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: 1/3

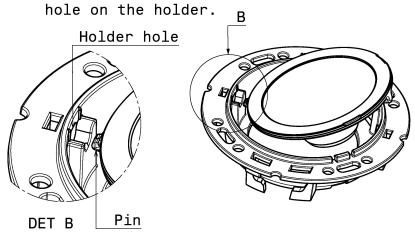


* Ensure from 3d according specific optic version

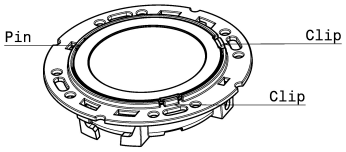
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: up to 30mm class H, otherwise class C According to DIN ISO 2768-2 Form and position: class L	LEDiL	Ledil Oy Saloranktu 10 FIN 24240 SALO Finland
THIRD ANGLE PROJECTION:	DRAWING TITLE	RONDA-family
This drawing is the property 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: 2/3

OPTIC/HOLDER ASSEMBLY

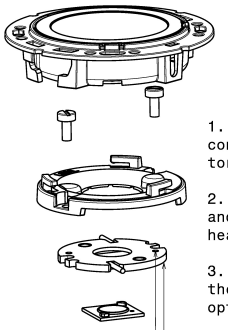
1. Place pin on the side of the lens into relative hole on the holder.



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 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):

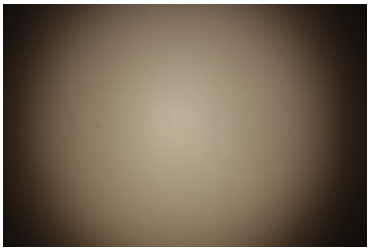
bridgelux

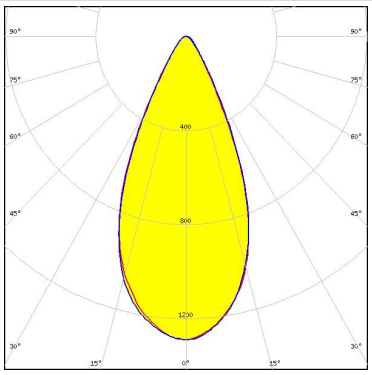
LED	V10 Gen7
FWHM	47.0°
Efficiency	0 %
Peak intensity	0.000 cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1



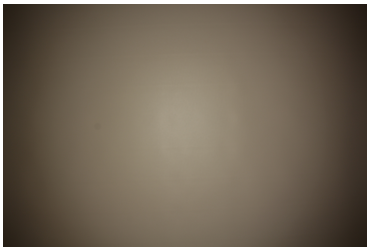


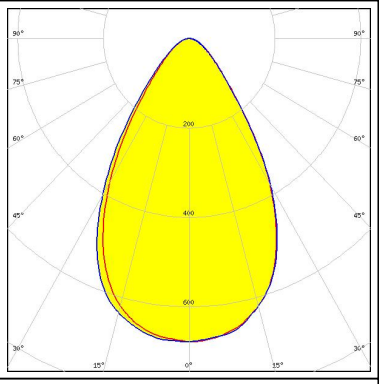
bridgelux

LED	V13 Gen7
FWHM	64.0°
Efficiency	82 %
Peak intensity	0.680 cd/lm

Required components:

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



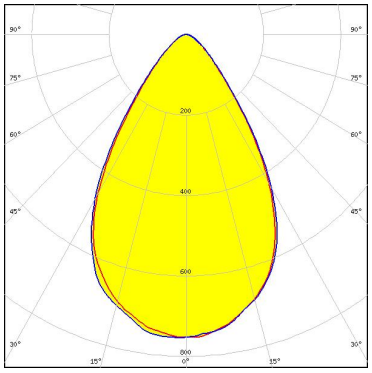


bridgelux

LED	Vero SE 13
FWHM	65.0°
Efficiency	90 %
Peak intensity	0.750 cd/lm

Required components:

C16402_CLAMP-VEROSE-13-18

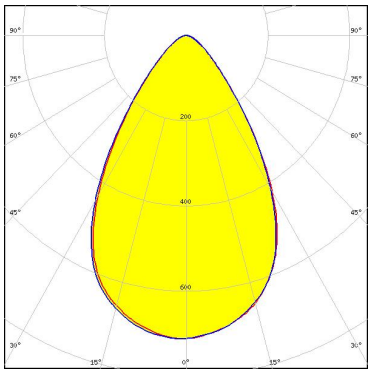


bridgelux

LED	VERO13
FWHM	66.0°
Efficiency	88 %
Peak intensity	0.710 cd/lm

Required components:

C13658_CLAMP-VERO13-18

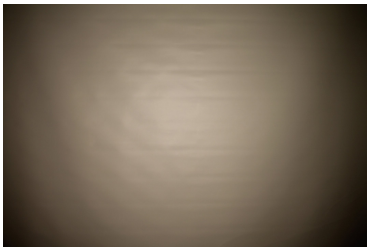


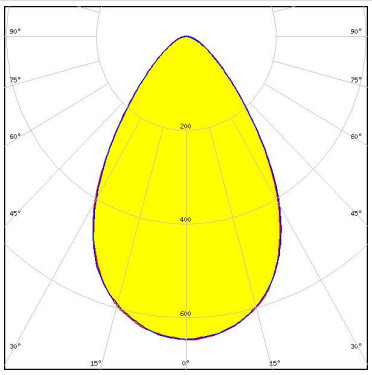
PHOTOMETRIC DATA (MEASURED):

CREE

LED	CMA1840
FWHM	69.0°
Efficiency	89 %
Peak intensity	0.650 cd/lm

Required components:
C14123_CLAMP-CXA15-18

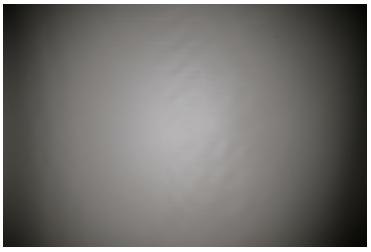


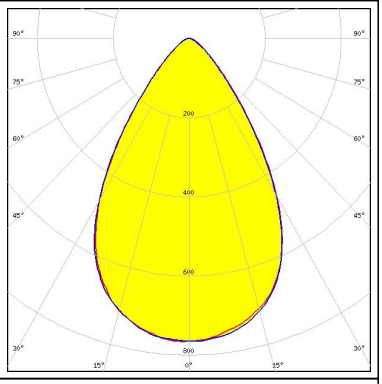


CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	66.0°
Efficiency	93 %
Peak intensity	0.770 cd/lm

Required components:
LEDiL: C14123_CLAMP-CXA15-18

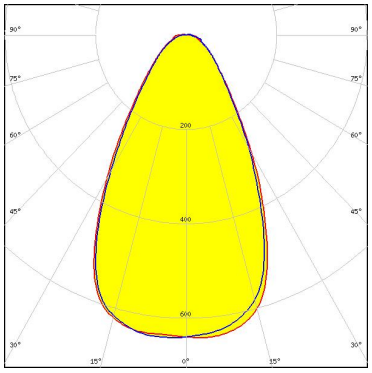




NICHIA

LED	COB J-Type
FWHM	60.0°
Efficiency	81 %
Peak intensity	0.640 cd/lm

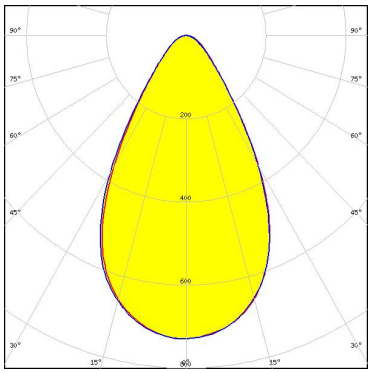
Required components:
IDEAL: 50-2103NC + 50-2100AN



PHILIPS

LED	Fortimo SLM L13 Standard
FWHM	61.0°
Efficiency	82 %
Peak intensity	0.730 cd/lm

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

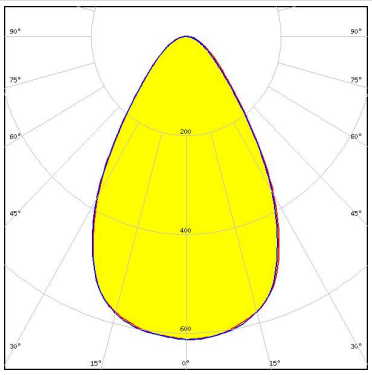


PHOTOMETRIC DATA (MEASURED):

PHILIPS

LED	Fortimo SLM L15 Standard
FWHM	66.0°
Efficiency	83 %
Peak intensity	0.610 cd/lm

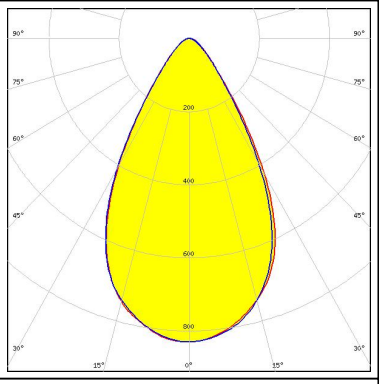
Required components:
TE: OPTIC CLIP Z50 TYPE1 2213194-1



SAMSUNG

LED	LC040C
FWHM	60.0°
Efficiency	86 %
Peak intensity	0.830 cd/lm

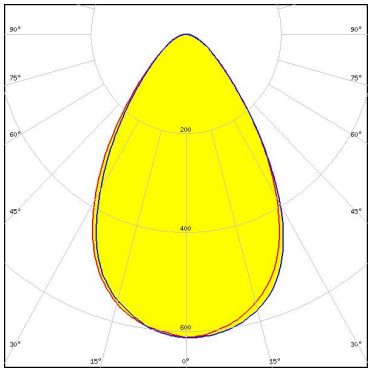
Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1



SEOUL SEMICONDUCTOR

LED	AC Zhaga COB
FWHM	67.0°
Efficiency	84 %
Peak intensity	0.610 cd/lm

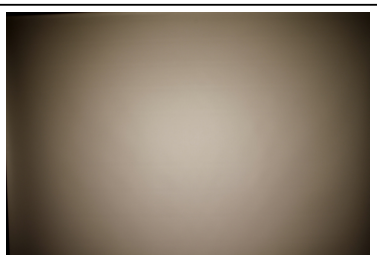
Required components:
Optosource: SEHSMJD-A

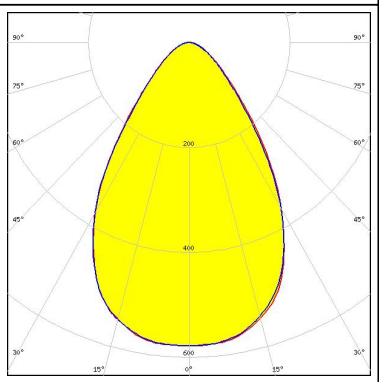


SEOUL SEMICONDUCTOR

LED	MJT COB LES 14.5
FWHM	69.0°
Efficiency	80 %
Peak intensity	0.600 cd/lm

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



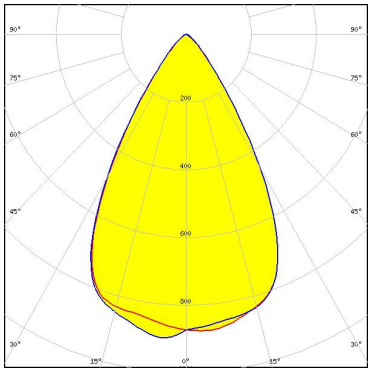


PHOTOMETRIC DATA (SIMULATED):

bridgelux

LED	V10 Gen6
FWHM	60.0°
Efficiency	88 %
Peak intensity	cd/lm

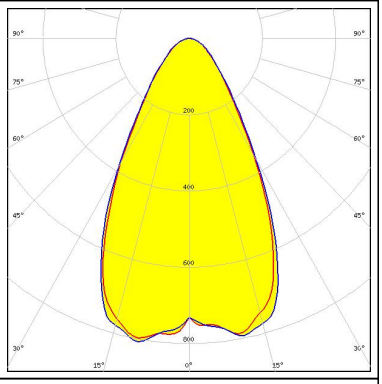
Required components:
C14123_CLAMP-CXA15-18



bridgelux

LED	V13 Gen7
FWHM	59.0°
Efficiency	89 %
Peak intensity	0.800 cd/lm

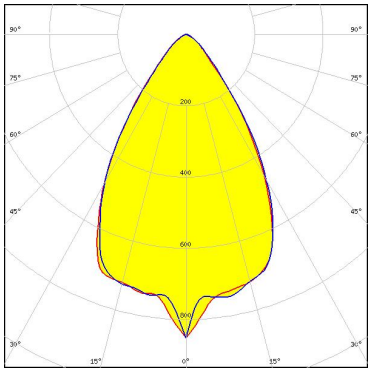
Required components:
IDEAL: 50-2103CT + 50-2100AN



bridgelux

LED	V13 Gen7
FWHM	60.0°
Efficiency	88 %
Peak intensity	0.851 cd/lm

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



CITIZEN

LED	CLL02x/CLU02x (LES10)
FWHM	60.0°
Efficiency	88 %
Peak intensity	cd/lm

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 434 Typ L1

PHOTOMETRIC DATA (SIMULATED):

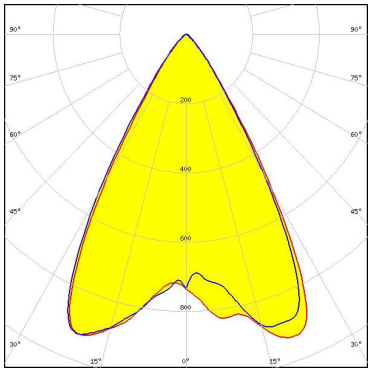
CITIZEN

LED	CLU700/701
FWHM	60.0°
Efficiency	89 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 434 Typ L1



CITIZEN

LED	CLU710/711
FWHM	60.0°
Efficiency	88 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 470 Typ L1

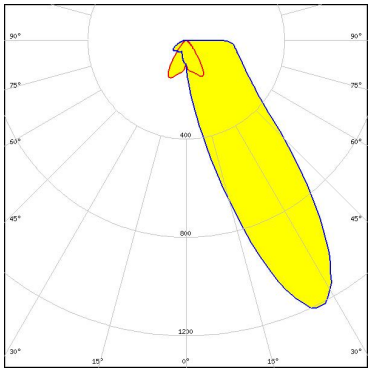
CREE

LED	CXA/B 13xx
FWHM	62.0°
Efficiency	89 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 448 Typ L1



CREE

LED	CXA/B 15xx
FWHM	62.0°
Efficiency	89 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 441 Typ L1

PHOTOMETRIC DATA (SIMULATED):

CREE

LED	CXA/B 15xx
FWHM	62.0°
Efficiency	89 %
Peak intensity	cd/lm

Required components:

C14123_CLAMP-CXA15-18

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	57.0°
Efficiency	85 %
Peak intensity	cd/lm

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 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 437 Typ L1

CREE

LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	63.0°
Efficiency	89 %
Peak intensity	cd/lm

Required components:

C14123_CLAMP-CXA15-18

PHOTOMETRIC DATA (SIMULATED):

CREE

LED	CXA/B 1830
FWHM	62.0°
Efficiency	87 %
Peak intensity	cd/lm

Required components:

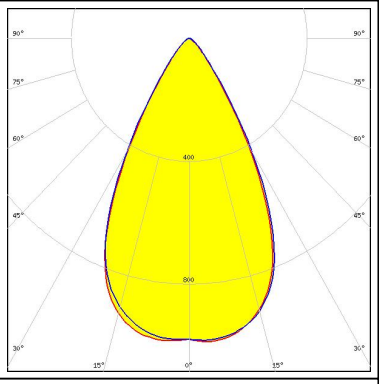
C14123_CLAMP-CXA15-18

LUMILEDS

LED	LUXEON CoB 1202/1203
FWHM	56.0°
Efficiency	87 %
Peak intensity	0.995 cd/lm

Required components:

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



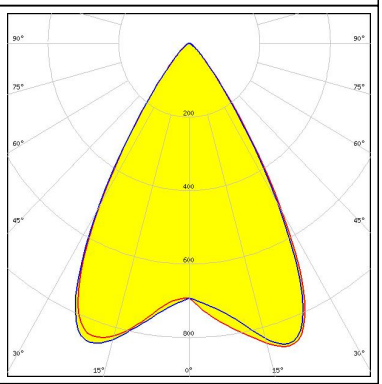
LUMILEDS

LED	LUXEON CoB 1202s
FWHM	60.0°
Efficiency	89 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 452 Typ L1

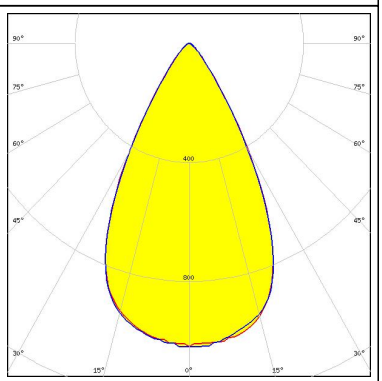


NICHIA

LED	COB L-Type (LES 9)
FWHM	56.0°
Efficiency	87 %
Peak intensity	1.030 cd/lm

Required components:

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



PHOTOMETRIC DATA (SIMULATED):

NICHIA

LED	NSCxL036A
FWHM	56.0°
Efficiency	88 %
Peak intensity	1.030 cd/lm

Required components:

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

OSRAM
Opto Semiconductors

LED	Duris S10
FWHM	66.0°
Efficiency	89 %
Peak intensity	0.000 cd/lm

Required components:

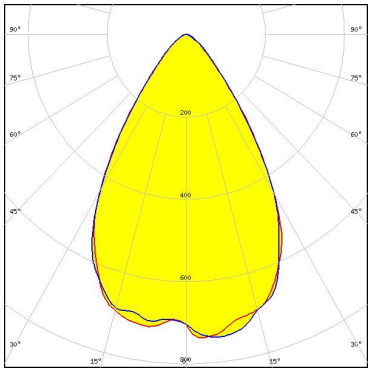
C13658_CLAMP-VERO13-18

OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	63.0°
Efficiency	84 %
Peak intensity	0.000 cd/lm

Required components:

C14123_CLAMP-CXA15-18



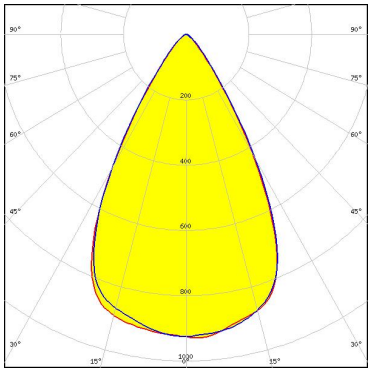
SHARP

LED	Mini Zenigata (GW6BM)
FWHM	62.0°
Efficiency	88 %
Peak intensity	cd/lm

Required components:

C13658_CLAMP-VERO13-18

Bender Wirth: 452 Typ L1



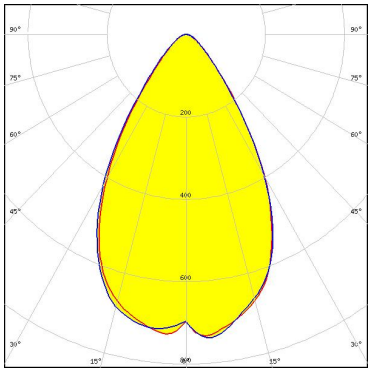
PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED	SLE G6 LES15
FWHM	62.0°
Efficiency	82 %
Peak intensity	0.740 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.

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.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy