RONDA-WW

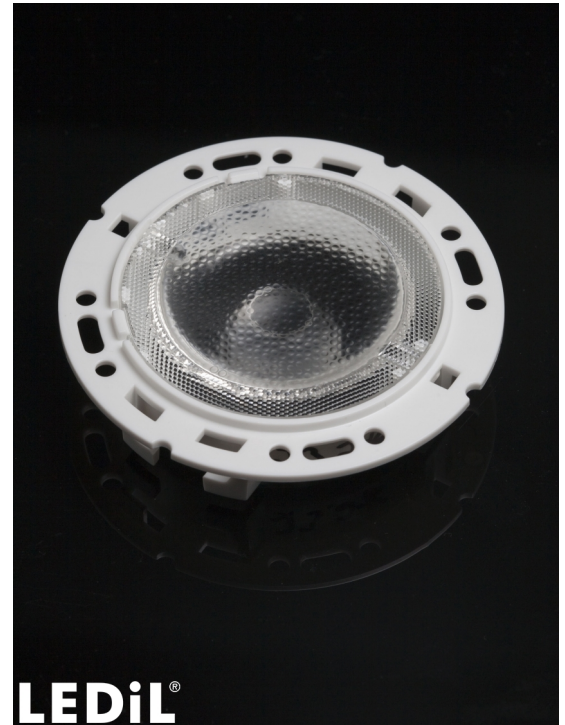**~60° wide beam with holder A compatible with 3rd party connectors from TE, Bender+Wirth and IDEAL**

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:					

Sheet 1/3

Front plate examples

Examples

D=49.9   Optic

D=69.9mm

Ledil-clamp / TE / Bender-wirth / other twist and lock socket types (holder A)

Horizontal fix: M3 Nut + bolt

Rotation fix

Vertical fix: M3 Screw / Twist and lock / Snap

BJB and Stucchi 50mm (holder B)

LES size up to ~14mm, see compatibility www.ledil.com

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 M, 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

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SIZE A3   PART NUMBER -

SCALE 1:1   WEIGHT -   SHEET 1/3

Sheet 2/3

Front panel location suggestion when seamless look needed

A

(⌀64.1)

3.5

6

Bottom view

Nut slot

7.7 ronda-was

2.2

59.3

Detail A

Isometric view

4

14.6
12.7
11.2

Front view

2.4 *

8.9

Socket

⌀61

(⌀45.8)

⌀53.3

⌀49.9 optic

⌀69.9 holder

⌀3.2

Top view

⌀3.2

⌀3.2

* Ensure from 3d according specific optic version

Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: up to 30mm class M, 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

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SIZE A3   PART NUMBER -

SCALE 1:1   WEIGHT -   SHEET 2/3

H G F E D C B A

4

OPTIC/HOLDER ASSEMBLY

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

B

Holder hole

DET B   Pin

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

Pin   Clip

Clip

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

bridgelux

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	

bridgelux

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	

bridgelux

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
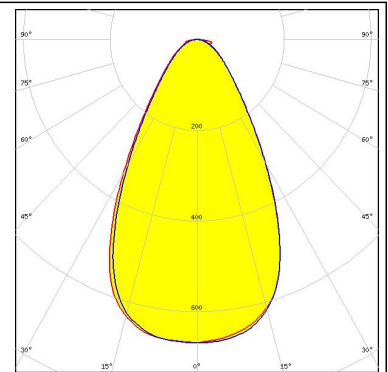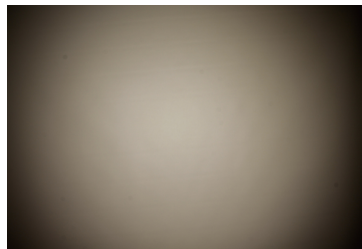
CITIZEN

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
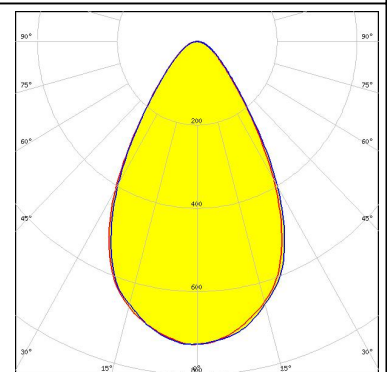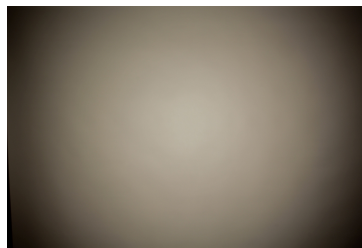
CITIZEN

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
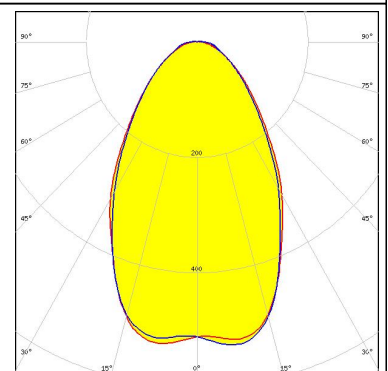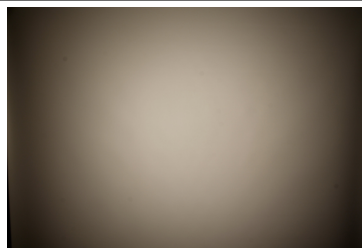
CITIZEN

LED	CLU730/731
FWHM	58.0°
Efficiency	83 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
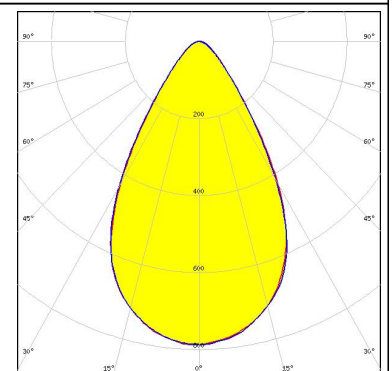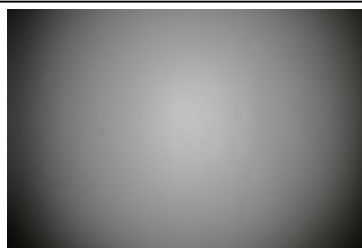   IDEAL: 50-2204-CT + 50-2100AN

PHOTOMETRIC DATA (MEASURED):

CREE
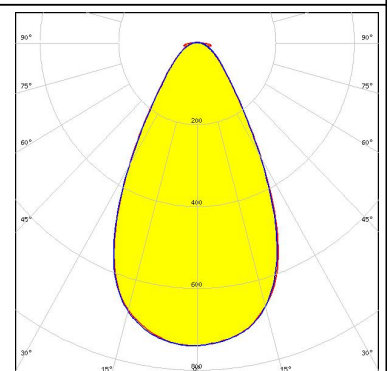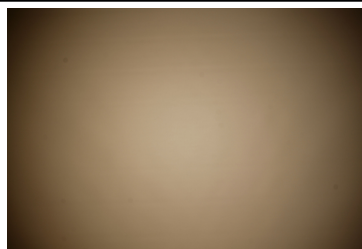
LED	CMA1840
FWHM	69.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
    C14123_CLAMP-CXA15-18

CREE
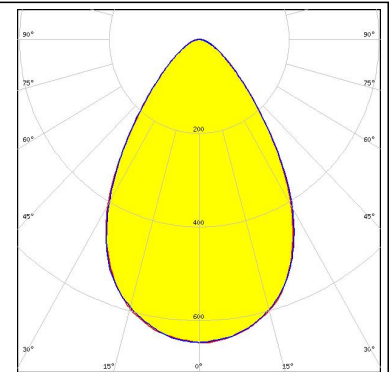
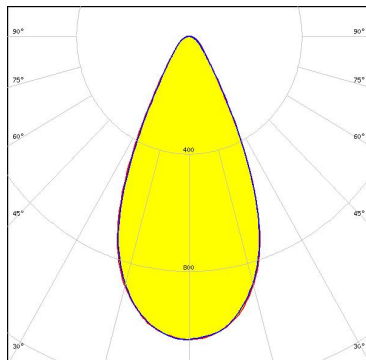|	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	66.0°
Efficiency	93 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
    C14123_CLAMP-CXA15-18

CREE
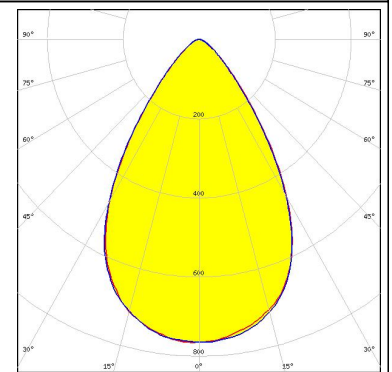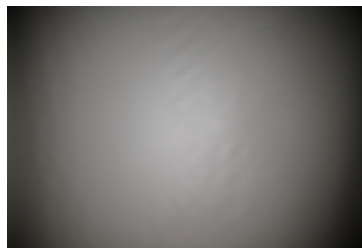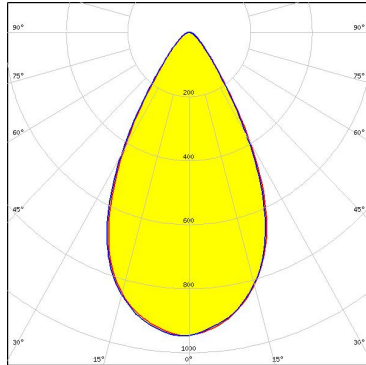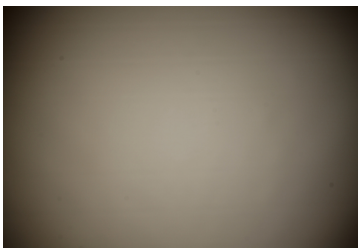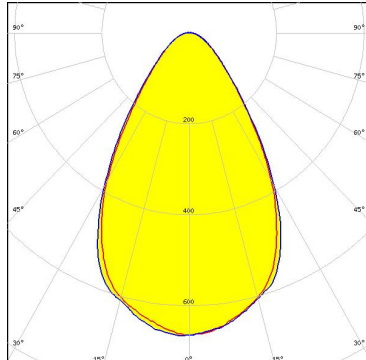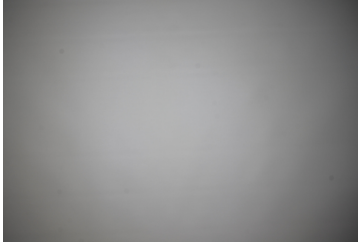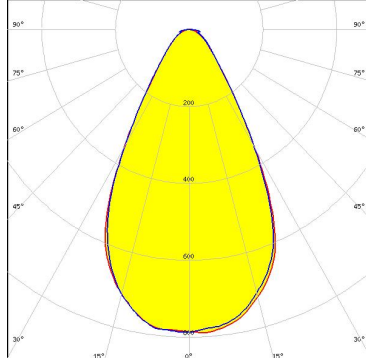
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	62.0°
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

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

NICHIA

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):

NICHIA

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	

NICHIA

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	

OSRAM

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	

OSRAM
Opto Semiconductors

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
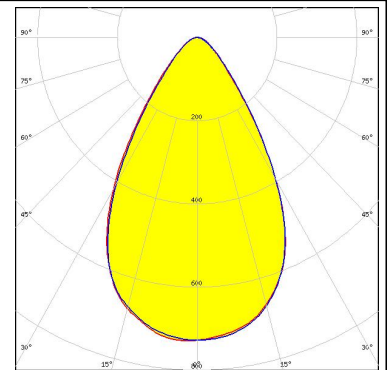
PHILIPS

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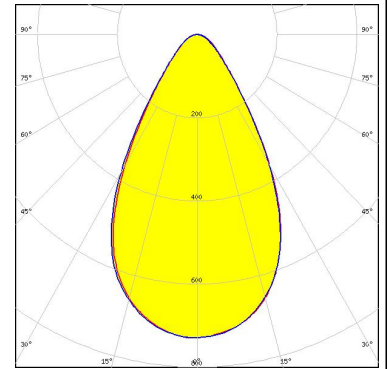 TE: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1
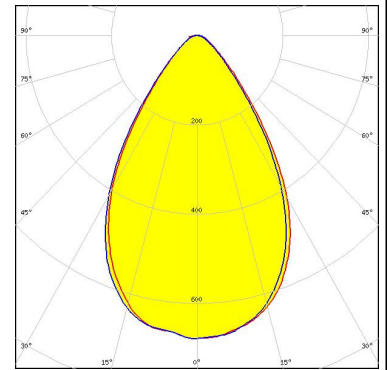
PHILIPS

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

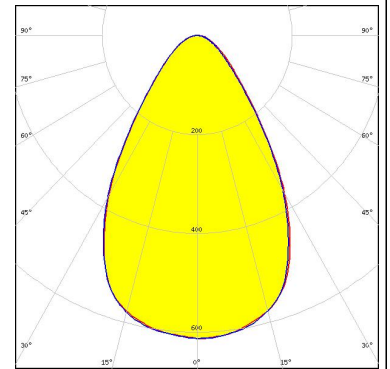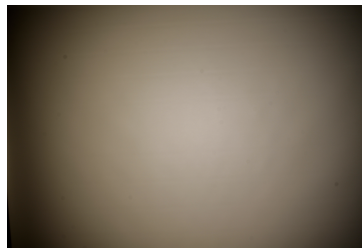Required components:
TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1

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

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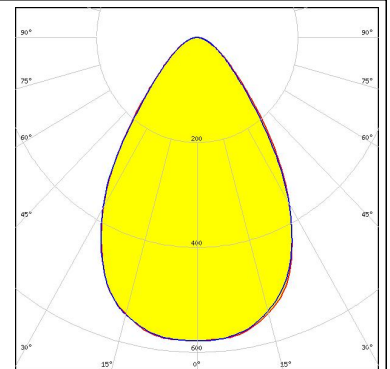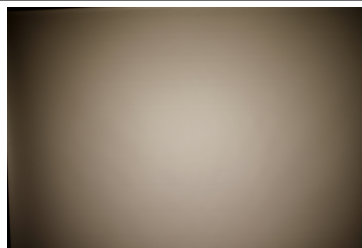
LED	WU-M-484
FWHM	69.0°
Efficiency	83 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
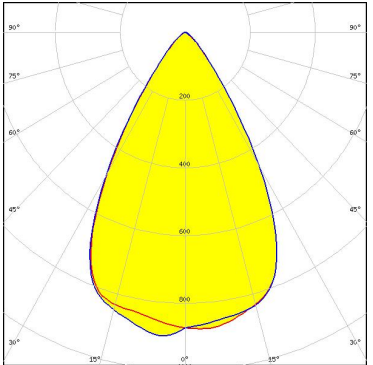
Required components:
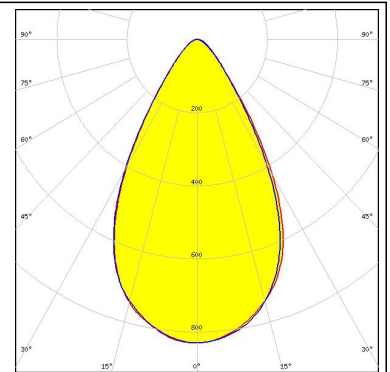TE: OPTIC CLIP Z50 TYPE1 2213194-1
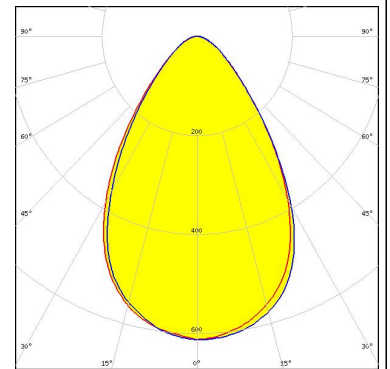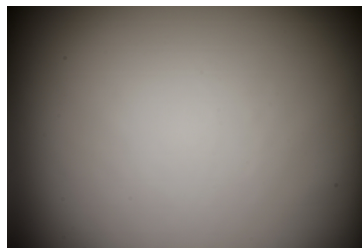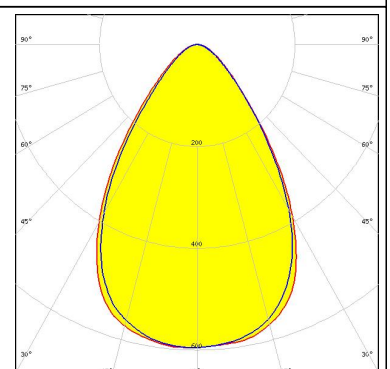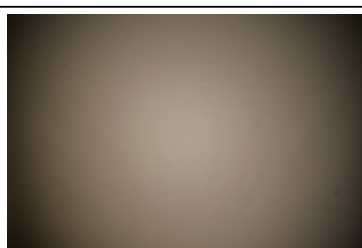
PHOTOMETRIC DATA (SIMULATED):

bridgelux

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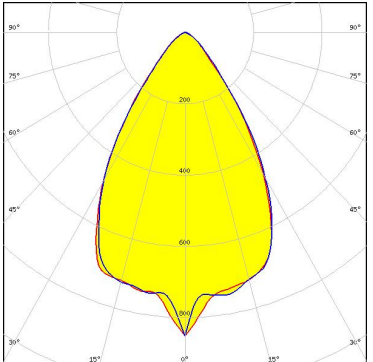
bridgelux

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	

bridgelux

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
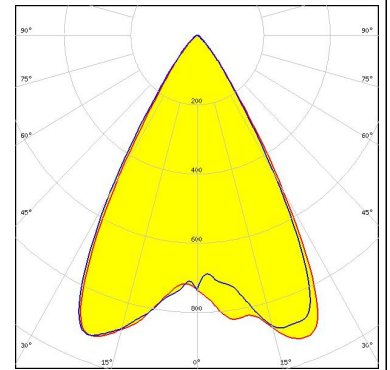
CITIZEN

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
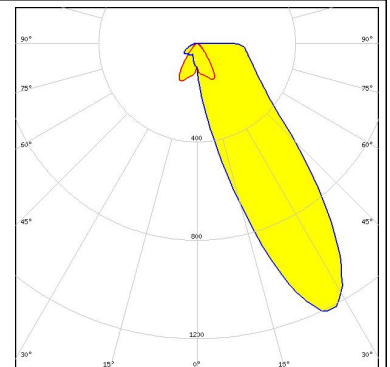
CREE

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):

CREE

LED	CXA/B 1830
FWHM	62.0°
Efficiency	87 %
LEDs/each optic	1
Light colour	White

Required components:
  C14123_CLAMP-CXA15-18

LUMILEDS

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

LUMILEDS
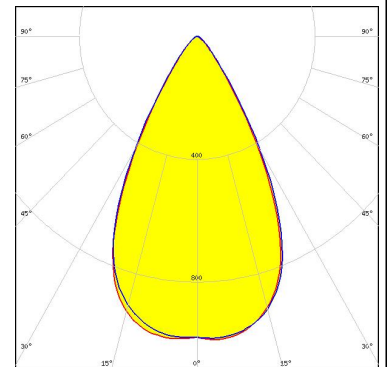
LED	LUXEON CoB 1202s
FWHM	60.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White

Required components:
  C13658_CLAMP-VERO13-18
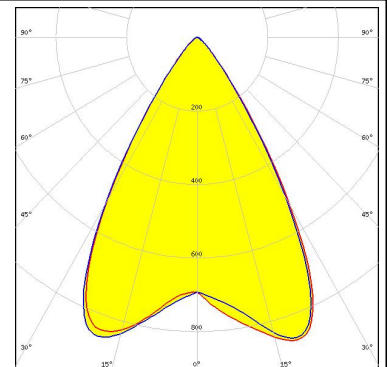 Bender Wirth: 452 Typ L1

NICHIA

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):

NICHIA
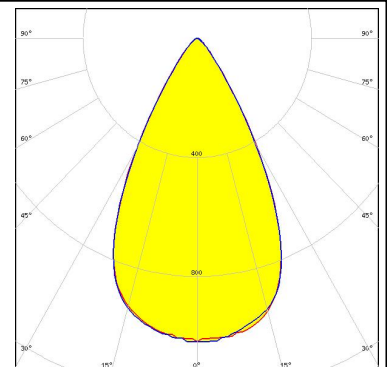
LED	NSCxL036A
FWHM	56.0°
Efficiency	88 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

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

OSRAM
Opto Semiconductors

LED	Duris S10
FWHM	66.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White

Required components:
C13658_CLAMP-VERO13-18

OSRAM
Opto Semiconductors

LED	Soleriq S13
FWHM	63.0°
Efficiency	84 %
LEDs/each optic	1
Light colour	White

Required components:
C14123_CLAMP-CXA15-18

SHARP
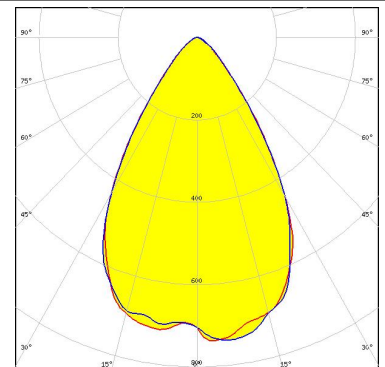
LED	Mini Zenigata (GW6BM)
FWHM	62.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	White

Required components:
C13658_CLAMP-VERO13-18
Bender Wirth: 452 Typ L1
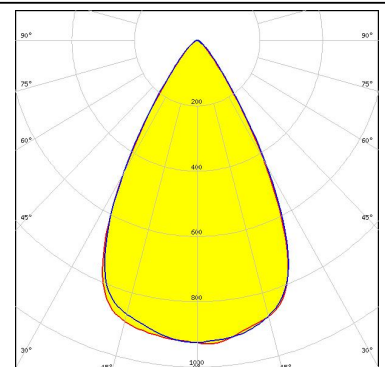
GENERAL INFORMATION:

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:

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