

## **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
<b>ROHS</b> compliant	yes 🛈



### **MATERIAL SPECIFICATIONS:**

Component RONDA-WW RONDA-HLD-A **Type** Single lens Holder Material PMMA PC Colour clear white PRODUCT DATASHEET FN15387\_RONDA-WW



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bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAW Bender Wirth: 4	White ents: IP-VERO13-18	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: 2213254-2	White	91 <sup>4</sup> 91 <sup>4</sup> 92 92 93 95 90 90 90 90 90 90 90 90 90 90 90 90 90
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16402_CLAW	White	20° 00° 20° 20° 00° 20° 00° 20° 00°
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C13658_CLAW	White ents:	200 00 00 00 00 00 00 00 00 00



CITIZE	Ν	And in case of the local division of the loc	90° 90°
LED	CLL03x/CLU03x		
FWHM	59.0°		75* 75*
Efficiency	81 %		200
Peak intensity	0.670 cd/lm		60°
LEDs/each optic			
Light colour	White		450 400
Required compor			$\mathbb{R}$ / $\mathbb{R}$ / $\mathbb{R}$ / $\mathbb{R}$
	3CT + 50-2100AN		
			600
			30° 33° 33°
CITIZE	N	and in case of the local division of the loc	50* 50*
LED	CLL03x/CLU03x	A DECEMBER OF THE OWNER	
FWHM	63.0°		75
Efficiency	87 %		
Peak intensity	0.730 cd/lm		60° 60°
LEDs/each optic			
Light colour	White	and the second se	457 400 437
Required compor			
C16791_CLAN			
TE: 2325807-3	F-243-A		
TE. 2323007-3			
			36° 36° 36°
CITIZE	N		90° 90°
LED	CLL04x/CLU04x		
FWHM	66.0°		73.
Efficiency	81 %		
Peak intensity	0.530 cd/lm		60° 60°
LEDs/each optic			
Light colour	White		
-			
Required compor	enis. I-CT + 50-2100AN		460
IDEAL. 50-220	I-CT + 50-2100AN		
			36*
CITIZE	N		90° 90°
	CLU730/731		75.
FWHM	58.0°		200
Efficiency	83 %		60° 60°
Peak intensity	0.740 cd/lm		
LEDs/each optic			400
Light colour	White	a second s	
Required compor			
IDEAL: 50-220	I-CT + 50-2100AN		
			X X X
			30* 30* 30*



CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAW	CMA1840 69.0° 89 % 0.650 cd/lm 1 White ents:	20° Color 22° Co
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: 2213401-2	CXA/B 1816 & CXA/B 1820 & CXA 1850 62.0° 88 % 0.790 cd/lm 1 White	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C14123_CLAW	CXA/B 1816 & CXA/B 1820 & CXA 1850 66.0° 93 % 0.770 cd/lm 1 White ents:	94 94 95 95 96 96 96 96 96 96 96 96 96 96
ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor IDEAL: 50-2103	White	



-		
XICHIA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor IDEAL: 50-2100	COB L-Type (LES 11) 50.0° 85 % 1.000 cd/lm 1 White	25 26 27 26 26 27 27 27 27 27 27 27 27 27 27
<b>NICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: 2213382-2	COB L-Type (LES 11) 57.0° 88 % 0.950 cd/lm 1 White	99 <sup>4</sup> 99 99 99 90 90 90 90 90 90 90 90 90 90
OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor C16685_CLAW	PrevaLED Core G7 L15 H1 65.0° 86 % 0.670 cd/lm 1 White eents:	
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor IDEAL: 50-2103	White	



### PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: 2213254-2	White	54 50 50 50 50 50 50 50 50 50 50 50 50 50
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: OPTIC CLI	Fortimo SLM L13 + SLM holder 61.0° 82 % 0.730 cd/lm 1 White	27 27 29 40 40 40 40 40 40 40 40
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: 2213130-2	Fortimo SLM L13 CoB 66.0 + ° 85 % 0.700 cd/lm 1 White	25 45 45 45 46 46 46 46 46 46 46 46 46 46
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor TE: OPTIC CLI	Fortimo SLM L15 + SLM holder 66.0° 83 % 0.610 cd/lm 1 White	24° 25° 0° 25° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2°

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### PHOTOMETRIC DATA (MEASURED):

сласи		
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon TE: 2213382-2	LC040C 60.0° 86 % 0.830 cd/lm 1 White	
SEOUL		90° 90°
stoul semiconductor LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon Optosource: SE	White ents:	75 - 75 - 75 - 75 - 75 - 75 - 75 - 75 -
SEOUL SEOUL SEMICONDUCTOR		90* 90*
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon TE: 2213254-2	White	25 - 25 - 25 - 25 - 25 - 25 - 25 - 25 -
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon TE: OPTIC CLI	ONS         WU-M-484         G9.0°         G83 %         G9.0°         G9.0° <t< th=""><td></td></t<>	

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## PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components C14123_CLAMP-C	S:	50 <sup>4</sup> 50 <sup>7</sup> 7 <sup>7</sup> 6 <sup>4</sup> 6 <sup>4</sup> 6 <sup>4</sup> 6 <sup>4</sup> 6 <sup>4</sup> 6 <sup>4</sup> 6 <sup>4</sup> 6 <sup>4</sup>
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components IDEAL: 50-2103CT	S:	
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components C13658_CLAMP-V Bender Wirth: 477	s: /ERO13-18	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
CITTIZEN LED FWHM Efficiency Peak intensity LEDs/each optic 1 Light colour Wh Required components C13658_CLAMP-V Bender Wirth: 434	s: /ERO13-18	



#### **CITIZEN** LED CLU700/701 FWHM 60.0° 89 % Efficiency Peak intensity cd/lm 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° 88 % Efficiency Peak intensity cd/lm LEDs/each optic 1 White Light colour 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 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 % cd/lm Peak intensity LEDs/each optic 1 White Light colour Required components: C14123\_CLAMP-CXA15-18

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CREE ≑	
LED	CXA/B 15xx
FWHM	62.0°
Efficiency	89 %
Peak intensity	cd/lm
LEDs/each optic 1	
	Nhite
Required compone	nts:
C13658_CLAMP	-VERO13-18
Bender Wirth: 44	
CREE 🚖	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	63.0°
Efficiency	89 %
Peak intensity	cd/lm
LEDs/each optic 1	
0	Nhite
Required compone	
C14123_CLAMP	-07415-10
CREE ≑	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	63.0°
Efficiency	89 %
Peak intensity	cd/lm
LEDs/each optic 1	
Light colour V	Nhite
Required compone	nts:
C13658_CLAMP	-VERO13-18
Bender Wirth: 43	7 Тур L1
CREE ≑	
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850
FWHM	57.0°
Efficiency	85 %
Peak intensity	cd/lm
LEDs/each optic 1	
	White
Required compone	
	OPTIC CLIP Z50 TYPE1 2213194-1

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CREE ≑		
LED	CXA/B 1830	
FWHM	62.0°	
Efficiency	87 %	
Peak intensity	cd/Im	
LEDs/each optic 1		
Light colour WI		
Required component		
C14123_CLAMP-0	XA15-18	
	S	90 <sup>4</sup> 99 <sup>4</sup>
LED	LUXEON CoB 1202/1203	
FWHM	56.0°	75*
Efficiency	87 %	
	0.995 cd/lm	60° 60°
Peak intensity LEDs/each optic 1	บ.ฮฮว (น/III)	
	ite	
0		
Required component		
TE: 2213382-2 + C	PTIC CLIP Z50 TYPE1 2213194-1	
		36° 36° 36°
	5	20 <sup>4</sup>
LED FWHM	LUXEON CoB 1202s	75"
	60.0°	_200_
Efficiency	89 %	60° 60°
Peak intensity	cd/Im	
LEDs/each optic 1		
Light colour WI	lite	
Required component		$f = \frac{1}{\sqrt{2}} \int \frac{1}{\sqrt{2}} \int$
C13658_CLAMP-\	ER013-18	
	ER013-18	84
C13658_CLAMP-\	ER013-18	24° 22° 0° 22°
C13658_CLAMP-\ Bender Wirth: 452	ER013-18	3x*         3x*         3x*
C13658_CLAMP-\ Bender Wirth: 452	ERO13-18 Typ L1	50° 50° 50° 50° 50°
C13658_CLAMP-\ Bender Wirth: 452	ERO13-18 Typ L1 COB L-Type (LES 9)	20 00 00 00 00 00 00 00 00 00
C13658_CLAMP-\ Bender Wirth: 452	ERO13-18 Typ L1 COB L-Type (LES 9) 56.0°	25 26 26 26 26 27 27 27 27 27 27 27 27 27 27 27 27 27
C13658_CLAMP-\ Bender Wirth: 452	ERO13-18 Typ L1 COB L-Type (LES 9) 56.0° 87 %	80         80           90         90           90         <
C13658_CLAMP-\ Bender Wirth: 452	ERO13-18 Typ L1 COB L-Type (LES 9) 56.0°	60 60 50 60 60 60 60 60 60 60 60 60 6
C13658_CLAMP-\ Bender Wirth: 452	ER013-18 Typ L1 COB L-Type (LES 9) 56.0° 87 % 1.030 cd/lm	67 67 67 60 60 60 60 60 60 60 60 60 60
C13658_CLAMP-\ Bender Wirth: 452	ER013-18 Typ L1 COB L-Type (LES 9) 56.0° 87 % 1.030 cd/lm ite	gr gr 10 10 10 10 10 10 10 10 10 10
C13658_CLAMP-\ Bender Wirth: 452	ER013-18 Typ L1 COB L-Type (LES 9) 56.0° 87 % 1.030 cd/lm ite 5:	gr gr gr gr gr gr gr gr gr gr
C13658_CLAMP-\ Bender Wirth: 452	ER013-18 Typ L1 COB L-Type (LES 9) 56.0° 87 % 1.030 cd/lm ite	50 50 50 50 50 50 50 50 50 50
C13658_CLAMP-\ Bender Wirth: 452	ER013-18 Typ L1 COB L-Type (LES 9) 56.0° 87 % 1.030 cd/lm ite 5:	60 60 60 60 60 60 60 60 60 60

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#### **Μ**ΝΙCΗΙΛ

LED NSCxL036A FWHM 56.0° Efficiency 88 % Peak intensity 1.030 cd/lm LEDs/each optic 1 Light colour White Required components: TE: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1

#### OSRAM Opto Semicorduci

LED	Duris S10		
FWHM	66.0°		
Efficiency	89 %		
Peak intensity	0.000 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
C13658_CLAMP-VERO13-18			

OSRAM Opto Semiconductors		90 <sup>4</sup> 90 <sup>4</sup>
LED	Soleriq S13	27
FWHM	63.0°	
Efficiency	84 %	50* 50*
Peak intensity	0.000 cd/lm	
LEDs/each optic 1		400
Light colour Wh	ite	43
Required components		
C14123_CLAMP-C	XA15-18	
		30* 30*
		12°, 600 12°,
SHAR	P	90° 90°
LED	Mini Zenigata (GW6BM)	
FWHM	62.0°	200
Efficiency	88 %	60* 60*
Peak intensity	cd/Im	
LEDs/each optic 1		
Light colour Wh	ite	85° 600 85°
Required components		
C13658_CLAMP-V		
Bender Wirth: 452	Typ L1	
		30° 30° 30°

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### PHOTOMETRIC DATA (SIMULATED):

# TRIDONIC

 LED
 SLE G6 LES15

 FWHM
 62.0°

 Efficiency
 82 %

 Peak intensity
 0.740 cd/lm

 LEDs/each optic
 1

 Light colour
 White

 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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