

# PRODUCT DATASHEET RONDA-WW

# **RONDA-WW**

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

## **SPECIFICATION:**

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



#### **MATERIALS:**

Component F15282\_RONDA-WW F15155\_RONDA-HLD-A

Туре
Single lens
Holder

Material	Colour	Finish
PMMA	clear	
PC	white	

## **ORDERING INFORMATION:**

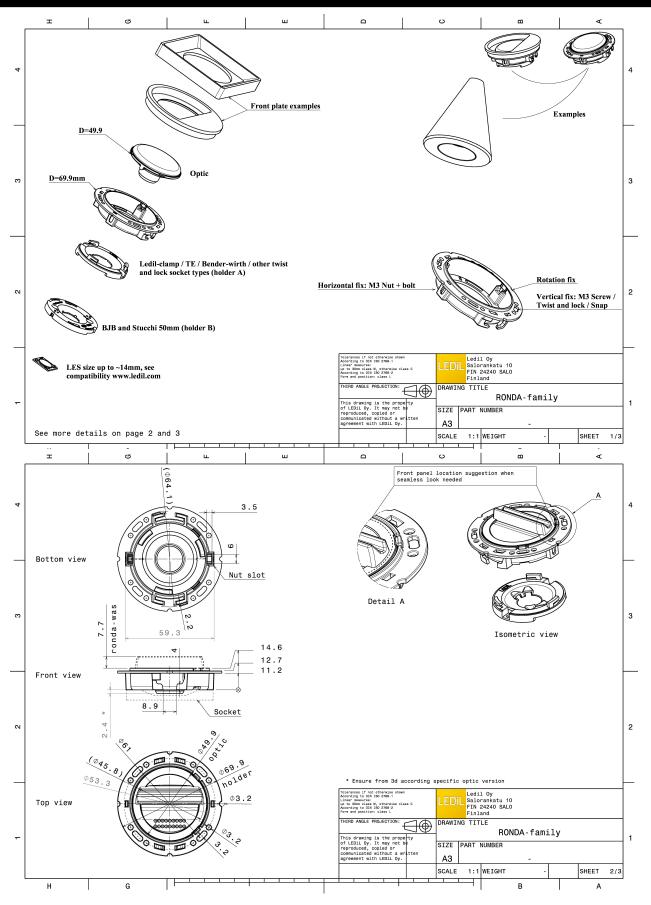
Quantities for	or one set:
Single lens	1
Holder	1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15282_RONDA-WW » Box size: 480 x 280 x 300 mm	Single lens	420	120	30	7.2
F15155_RONDA-HLD-A » Box size: 480 x 280 x 300 mm	Holder	420	120	30	4.4

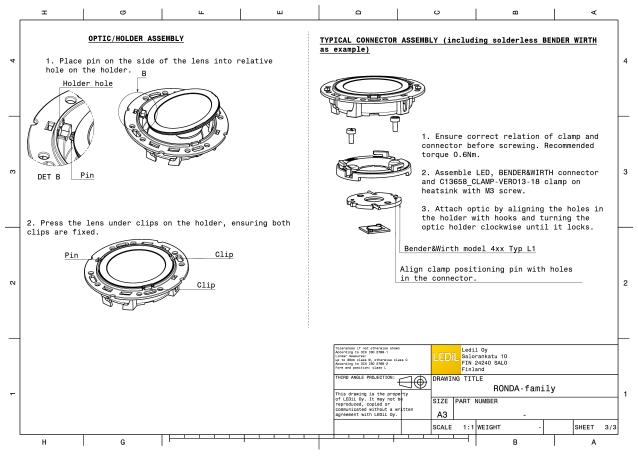
# 

# PRODUCT DATASHEET RONDA-WW





# PRODUCT DATASHEET RONDA-WW



See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



bridgelux. LED FWHM / FWTM	V10 Gen7 47.0° / 74.0°	50° 50°
Efficiency	%	60° 60°
LEDs/each optic	1	
Light colour	White	45*
Required component		
C13658_CLAMP		
Bender Wirth: 48		
Bender Winth. 40		30 <sup>+</sup> 125 0 <sup>+</sup> 125 <sup>+</sup> 30 <sup>+</sup>
bridgelux.		964 964
LED	V13 Gen7	
FWHM / FWTM	64.0° / 105.0°	
Efficiency	82 %	200
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	450 450
Required compone	nts:	
TE Connectivity:	2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		600 20 <sup>1</sup> 20 <sup>2</sup> 20 <sup>2</sup>
bridgelux.		50°
LED	Vero SE 13	
FWHM / FWTM	65.0° / 100.0°	73
Efficiency	90 %	50°
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	White	a
Required compone	nts:	
C16402_CLAMP	-VEROSE-13-18	
		30° 800 30° 30°
bridgelux.		90° 90°
	VER013	73: 75:
FWHM / FWTM	66.0° / 103.0°	200
Efficiency	88 %	50° 60°
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	400
Light colour	White	
Required componen		
C13658_CLAMP	-VERU13-18	
		304 304
		15° 0° 15°



CITIZE	N	50° 50°
LED	CLL03x/CLU03x	
FWHM / FWTM	59.0° / 110.0°	78
Efficiency	81 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	0° 40 40 40
Required compone	nts:	
	CT + 50-2100AN	
		600
		24.
CITIZE	N	80° 32, 0° 32,
	CLL03x/CLU03x	The second
FWHM / FWTM	63.0° / 105.0° 87 %	
Efficiency Rock intensity	87 % 0.7 cd/lm	the second s
Peak intensity LEDs/each optic	1	
	Vhite	ar
Light colour Required compone		
C16791_CLAM		
TE Connectivity		
TE Connectivity	2323607-3	
		36 <sup>4</sup> 36 <sup>4</sup>
CITIZE	N	8°. 8°
LED	CLL04x/CLU04x	
FWHM / FWTM	66.0° / 130.0°	77
Efficiency	81 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	e. a
Required compone	nts:	
IDEAL: 50-2204	-CT + 50-2100AN	400
		36° ×
CITIZE	N	15° 0° 15'
	CLU730/731/733	75'
FWHM / FWTM	58.0° / 103.0°	
Efficiency	83 %	60° / 60°
Peak intensity	0.7 cd/lm	
LEDs/each optic	1 White	
Light colour	White	
Required compone	nis	
IDEAL: 50-2204	-CT + 50-2100AN	
IDEAL: 50-2204	-CT + 50-2100AN	
IDEAL: 50-2204	-CT + 50-2100AN	900 207 - 307 - 307



		50°
LED	CMA1840	
FWHM / FWTM	69.0° / 112.0°	
Efficiency	89 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	ar an ar
Required compone		
C14123_CLAMF		
		200 00 155"
		50°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	62.0° / 97.0°	73
Efficiency	88 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	er de la companya de
Required compone		
	2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		20" 15" 0" 15"
		30,1
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
	0/// / D 1010 d 0/// D 1020 d 0/// 1000	73*
FWHM / FWTM	66 0° / 100 0°	
FWHM / FWTM Efficiency	66.0° / 100.0° 93 %	20. 1
Efficiency	93 %	500
Efficiency Peak intensity	93 % 0.8 cd/lm	
Efficiency Peak intensity LEDs/each optic	93 % 0.8 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White	200 00 <sup>4</sup> 00 <sup>4</sup> 0 <sup>4</sup> 00
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts: P-CXA15-18	
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: 2-CXA15-18 COB J-Type	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0°	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 %	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 % 0.6 cd/lm	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 % 0.6 cd/lm 1	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 % 0.6 cd/lm 1 White	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 % 0.6 cd/lm 1 White nts:	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF C14123_CLAMF C14123_CLAMF C14123_CLAMF Efficiency Peak intensity LEDs/each optic Light colour Required compone	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 % 0.6 cd/lm 1 White	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>
Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF	93 % 0.8 cd/lm 1 White nts: P-CXA15-18 COB J-Type 60.0° / 113.0° 81 % 0.6 cd/lm 1 White nts:	15 <sup>7</sup> 0 <sup>7</sup> 15 <sup>5</sup>



ØNICHI/	ι	50 <sup>4</sup> 90
LED	COB L-Type (LES 11)	
FWHM / FWTM	50.0° / 81.0°	
Efficiency	85 %	
Peak intensity	1 cd/Im	
LEDs/each optic	1	
Light colour	White	
Required compone		
	NC + 50-2100AN	
		20-
		22 00 220
ØNICHI/	N Contraction of the second	50 <sup>4</sup> 50
LED	COB L-Type (LES 11)	
FWHM / FWTM	57.0° / 87.0°	20
Efficiency	88 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
TE Connectivity	: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	80
		30* 2000 30
OSRAN		
LED	PrevaLED Core G7 L15 H1	
FWHM / FWTM	65.0° / 111.0°	
Efficiency	86 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	a 40 a
Required compone		
C16685_CLAM		
_		
000414		25 00 25'
OSRAM Opto Semiconductors		90 <sup>4</sup> 90
LED	Soleriq S13 19x19	
FWHM / FWTM	63.0° / 99.0°	77
Efficiency	84 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
TE Connectivity	: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		34"



OSRAM Opto Semiconductors		55*
LED	Soleriq S13 19x19	
FWHM / FWTM	58.0° / 97.0°	
Efficiency	85 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr /
Required compone	nts:	
	CT + 50-2100AN	
		34.
PHILIF		129 <sup>7</sup> 0 <sup>4</sup> 33 <sup>5</sup>
LED	Fortimo SLM L13 + SLM holder	77
FWHM / FWTM	61.0° / 101.0°	
Efficiency	82 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
TE Connectivity:	OPTIC CLIP Z50 TYPE1 2213194-1	
		157 66 157
DHILIC	<b>S</b>	20° 60 35°
PHILIP		90 <sup>4</sup> 10 <sup>7</sup> 0 <sup>6</sup> 32 <sup>7</sup>
LED	Fortimo SLM L13 CoB	25° 66 13°
LED FWHM / FWTM	Fortimo SLM L13 CoB 66.0 + ° / 103.0°	
LED FWHM / FWTM Efficiency	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0° 83 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: PEHELLIE LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0° 83 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: PECONNECTIVE EFFICIENCY Peak intensity LEDs/each optic	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0° 83 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: <b>PHILLE</b> FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0° 83 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0° 83 % 0.6 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	Fortimo SLM L13 CoB 66.0 + ° / 103.0° 85 % 0.7 cd/lm 1 White nts: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 + SLM holder 66.0° / 114.0° 83 % 0.6 cd/lm 1 White nts:	



	JNG	90* 9
LED	LC040C	
FWHM / FWTM	60.0° / 93.0°	200
Efficiency	86 %	605
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	a
Required compone	nts:	
TE Connectivity:	2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		364 30
SEOUL		
		9
LED	AC Zhaga COB	75
FWHM / FWTM	67.0° / 113.0°	
Efficiency	84 %	60%
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	400
Required compone		
Optosource: SEI	HSMJD-A	
		30- 15- 0- 15-
		90° 91
LED	MJT COB LES 14.5	
FWHM / FWTM	69.0° / 113.0°	75
Efficiency	80 %	
		60* 6
-	0.6 cd/lm	
Peak intensity	0.6 cd/lm 1	
Peak intensity LEDs/each optic		e.
Peak intensity LEDs/each optic Light colour	1 White	e- 60
Peak intensity LEDs/each optic Light colour Required component	1 White	ar 60
Peak intensity LEDs/each optic Light colour Required component	1 White nts:	o-
Peak intensity LEDs/each optic Light colour Required component	1 White nts:	
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity:	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	153 0 <sup>0</sup> 15°
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity:	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING	
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity:	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484	153 0 <sup>k</sup> 15*
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity: LIGHT LED FWHM / FWTM	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0°	153 0 <sup>k</sup> 15*
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity:	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 %	153 0 <sup>k</sup> 15*
Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 % 0.6 cd/lm	15° 0 <sup>6</sup> 15°
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 % 0.6 cd/lm 1	15° 0° 35°
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 % 0.6 cd/lm 1 White	15° 0° 35°
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 % 0.6 cd/lm 1 White nts:	15° 0 <sup>6</sup> 15°
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 % 0.6 cd/lm 1 White	15° 0 <sup>6</sup> 15°
Peak intensity LEDs/each optic Light colour Required componen TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 ING IONS WU-M-484 69.0° / 112.0° 83 % 0.6 cd/lm 1 White nts:	15% 0 <sup>k</sup> 15%



bridgelux.	V10 Gen6	20° 200 20°
FWHM / FWTM	60.0°	
Efficiency	88 %	60°
LEDs/each optic	1	
Light colour	White	97°
Required components:		
C14123_CLAMP-C>	A15-18	
		304 304
		139
bridgelux.		90°
LED	V13 Gen7	75*
FWHM / FWTM	59.0° / 128.0°	
Efficiency	89 %	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required components:		800
IDEAL: 50-2103CT -	- 50-2100AN	
		30 <sup>4</sup> 000 32 <sup>4</sup>
bridgelux.		50° 50°
LED	V13 Gen7	
FWHM / FWTM	60.0° / 94.0°	75 200
Efficiency	88 %	60 <sup>°</sup>
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	es. es.
Required components:		
C13658_CLAMP-VE		
Bender Wirth: 477 T	yp L1	love -
CITIZEN		
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	60.0°	
Efficiency	88 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
C13658_CLAMP-VE		
Bender Wirth: 434 T	yp L1	



# CITIZEN

LED	CLU700/701/702/703
FWHM / FWTM	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 / FWTM	60.0°	
Efficiency	88 %	
LEDs/each optic	1	
Light colour	White	
Required components:		
C13658_CLAMP-VE	RO13-18	
Bender Wirth: 470 T	yp L1	

# 

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

# 

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



CREE ≑		
LEDS		50* 50*
		77
LED	CXA/B 15xx	200
FWHM / FWTM	62.0°	
Efficiency	89 %	
LEDs/each optic	1	
Light colour	White	
Required component		
C14123_CLAMP-0	JXA15-18	
		30 25° 0° 15°
LEDS		50° 50°
		75.
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	63.0°	60°
Efficiency	89 %	
LEDs/each optic	1	
Light colour	White	
Required components: C13658_CLAMP-VERO13-18		800
Bender Wirth: 437	тур 🗆	
		30 <sup>4</sup> 15 <sup>5</sup> 0 <sup>4</sup> 25 <sup>3</sup>
		50° 50°
LEDS		
LED	CXA/B 1830	70
FWHM / FWTM	62.0°	
Efficiency	87 %	
LEDs/each optic	1	
Light colour	White	a. a
Required component	5:	
C14123_CLAMP-0	CXA15-18	
		00
	EDS .	1257 64 125
		90 <sup>4</sup>
LED	LUXEON CoB 1202/1203	71 2
FWHM / FWTM	56.0° / 82.0 + 80.0°	
Efficiency	87 %	600 60
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component		
TE Connectivity: 2	213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	



	DS	30, 30,
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components C13658_CLAMP-V Bender Wirth: 452	'ERO13-18	
<b>Μ</b> ΝΙCΗΙΛ		30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components TE Connectivity: 22	COB L-Type (LES 9) 56.0° / 80.0° 87 % 1 cd/lm 1 White 5: 213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
<b>Ø</b> NICHIΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components	NSCxL036A 56.0° / 74.0 + 77.0° 88 % 1 cd/lm 1 White 5: 213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
OSRAM Opto Semiconductors		39*
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components C13658_CLAMP-V		



OSRAM Opto Semiconductors		<u>50<sup>4</sup></u> 57
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required component C14123_CLAMP-0		
SHA	RP	100 100 100 100 100 100 100 100 100 100
LED	Mini Zenigata (GW6BM)	20 27
FWHM / FWTM	62.0°	
Efficiency	88 %	
LEDs/each optic	1	
Light colour	White	e e
Required component		
C13658_CLAMP-\		80
Bender Wirth: 452	Typ L1	30° 10° 10° 10° 30°



#### **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

## Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

## 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