

# PRODUCT DATASHEET RONDA-ZT45

## **RONDA-ZT45**

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

#### **SPECIFICATION:**

Dimensions	Ø 69.9 mm
Height	15 mm
Fastening	socket
ROHS compliant	yes 🛈



### **MATERIALS:**

Component F15159\_RONDA-ZT45 F15155\_RONDA-HLD-A **Type** Single lens Holder

Material	Colour	Finish
PMMA	clear	
PC	white	

### **ORDERING INFORMATION:**

Quantities for one set:Single lens1Holder1



# PRODUCT DATASHEET RONDA-ZT45

Component		Qty in box	MOQ	MPQ	Box weight (kg)
F15159_RONDA-ZT45 » Box size: 480 x 280 x 300 mm	Single lens	420	120	30	6.5
F15155_RONDA-HLD-A » Box size: 480 x 280 x 300 mm	Holder	420	120	30	4.4

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



bridgelux.		50°
LED	V10 Gen7	
FWHM / FWTM	Asymmetric	75° /0°
Efficiency	88 %	200
Peak intensity	0.6 cd/lm	60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	400 47
Required componer	nts:	
C13658_CLAMP		
Bender Wirth: 48	6 Typ L1	800
		30° <u>15°</u> 30°
bridgelux.		90* 90*
LED	V13 Gen7	
FWHM / FWTM	Asymmetric	75* 100 78*
Efficiency	83 %	
Peak intensity	0.4 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45+ 300 45+
Required componer	nts:	
TE Connectivity:	2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	400
		$\times$
		500
1		
		30° 15 <sup>5</sup> 0° 10° 30°
bridgelux.		80. 121 ch 17. 130 sol
bridgelux. LED	Vero SE 13	20 <sup>4</sup> 12 <sup>4</sup> 0 <sup>4</sup> 13 <sup>4</sup> 0 <sup>6</sup>
	Vero SE 13 Asymmetric	20 <sup>1</sup> 12 <sup>1</sup> 0 <sup>1</sup> 13 <sup>1</sup> 20 <sup>1</sup>
LED		30 30
LED FWHM / FWTM	Asymmetric	200 500 60 <sup>4</sup> 200 60 <sup>4</sup>
LED FWHM / FWTM Efficiency	Asymmetric 88 %	30 30
LED FWHM / FWTM Efficiency Peak intensity	Asymmetric 88 % 0.4 cd/m	30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.4 cd/lm 1 White	30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.4 cd/lm 1 White tts:	30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 88 % 0.4 cd/lm 1 White tts:	30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 88 % 0.4 cd/lm 1 White tts:	30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18 VERO13	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18 VERO13 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18 VERO13 Asymmetric 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White tts: -VEROSE-13-18 VERO13 Asymmetric 89 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP	Asymmetric 88 % 0.4 cd/lm 1 White tts: -VEROSE-13-18 VERO13 Asymmetric 89 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.4 cd/lm 1 White tts: -VEROSE-13-18 VERO13 Asymmetric 89 % 0.4 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18 VERO13 Asymmetric 89 % 0.4 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP bridgetux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18 VERO13 Asymmetric 89 % 0.4 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C16402_CLAMP bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Asymmetric 88 % 0.4 cd/lm 1 White hts: -VEROSE-13-18 VERO13 Asymmetric 89 % 0.4 cd/lm 1 White hts:	



CITIZE	N	90* 90*
LED	CLL03x/CLU03x	
FWHM / FWTM	Asymmetric	75*
Efficiency	83 %	100
Peak intensity	0.4 cd/lm	700 / 700
LEDs/each optic	1	200
Light colour	' White	
Required compone		45' 3%
	ns. CT + 50-2100AN	
IDEAL: 30-2103	GT + 30-2100AN	400
		$\times$ / $  \rangle \times$
		30° 15° 300 15° 30°
CITIZE	N	
	IN	90* 90*
LED	CLL03x/CLU03x	
FWHM / FWTM	Asymmetric	200
Efficiency	86 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45'
Required compone		
C16791_CLAMF	P-Z45-A	400
TE Connectivity:	2325807-3	
		500
		13 0 10
CITIZE	N	90* 0° 13°
		90°
	CLL04x/CLU04x	
LED FWHM / FWTM		10° 10° 10° 10° 10° 10° 10° 10° 10° 10°
LED FWHM / FWTM Efficiency	CLL04x/CLU04x Asymmetric 84 %	10° 0° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/Im 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White	200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts:	200 - 200 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White	20 - 20 - 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts:	20 19 19 19 19 19 19 19 19 19 19 19 19 19
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN N CLU730/731/733	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN CLU730/731/733 Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 <b>CITTIZE</b> LED FWHM / FWTM Efficiency	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN CLU730/731/733 Asymmetric 85 % 0.4 cd/lm	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN CLU730/731/733 Asymmetric 85 % 0.4 cd/lm 1 White nts:	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL04x/CLU04x Asymmetric 84 % 0.4 cd/lm 1 White nts: -CT + 50-2100AN CLU730/731/733 Asymmetric 85 % 0.4 cd/lm 1 White nts:	50°



		96* 93
LED	CMA1840	
FWHM / FWTM	Asymmetric	750 100 750
Efficiency	89 %	
Peak intensity	0.4 cd/lm	.60 <sup>4</sup> 604
LEDs/each optic	1	
Light colour	' White	5° 30
Required compone		45* 45*
C14123_CLAM		400
014123_0EAM	-0/410-10	X   X
		500
		30° <u>15</u> ° 0° 15° 30°
		90° 90°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	Asymmetric	75* 100 75*
Efficiency	90 %	
Peak intensity	0.4 cd/lm	60 <sup>4</sup> 694
LEDs/each optic	1	
Light colour	White	
Required compone		400
C14123_CLAM		
014120_02/101		
		30* 15* 0° 15* 30*
		and the second sec
LED	– CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	Asymmetric	75°
Efficiency	87 %	
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	
Light colour	White	
Required compone		
	2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1	40
		200
		30° 15° 30°
<b>ØNICHI</b>		90 <sup>5</sup>
LED	СОВ Ј-Туре	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	83 %	
Peak intensity	0.8 cd/lm	ave ave
LEDs/each optic	1	200
Light colour	' White	
Required compone		42. 30 42.
	ns. NC + 50-2100AN	
IDEAL: 50-2103		
		30° 45° 0° 13° 30°



<b>MNICHI</b>		
		90* 90*
LED	COB L-Type (LES 11)	710
FWHM / FWTM	Asymmetric	
Efficiency	87 %	50 - 200 - 60*
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	45* 400 45*
Required componer		
TE Connectivity:	2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	$\times$ / $\setminus$ $\times$
		600
		30° 15° 0° 15° 30°
<b>ØNICHI</b>	· · · · · · · · · · · · · · · · · · ·	90* 90*
LED	COB L-Type (LES 11)	
FWHM / FWTM	Asymmetric	75°
Efficiency	84 %	200
Peak intensity	0.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	45° 67°
Required componer	nts:	30
IDEAL: 50-2100	NC + 50-2100AN	
		400
		<sup>30°</sup> 15 <sup>5</sup> 0 <sup>°</sup> 15 <sup>*</sup> <sup>30°</sup>
<b>OSRAM</b>		90* 90*
LED	PrevaLED Core G7 L15 H1	
FWHM / FWTM	Asymmetric	75* 75*
Efficiency	78 %	
Efficiency Peak intensity	78 % 0.4 cd/lm	607 607
-		est
Peak intensity	0.4 cd/lm	5° - 200 - 6°
Peak intensity LEDs/each optic	0.4 cd/lm 1 White	65° 200 60°
Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White nts:	6 <sup>3</sup> 6 <sup>3</sup> 9 <sup>3</sup> 9 <sup>3</sup> 9 <sup>4</sup> 9 <sup>6</sup>
Peak intensity LEDs/each optic Light colour Required component	0.4 cd/lm 1 White nts:	6°
Peak intensity LEDs/each optic Light colour Required component	0.4 cd/lm 1 White nts:	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP	0.4 cd/lm 1 White nts:	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP	0.4 cd/lm 1 White hts: -PRV-A	200 200 200 200 00 00 00 00 00
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19	200 200 200 00 00 00 00 00 00 0
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric	
Peak intensity LEDs/each optic Light colour Required componer C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 %	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 % 0.4 cd/lm	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 % 0.4 cd/lm 1	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 % 0.4 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 % 0.4 cd/lm 1 White hts:	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 % 0.4 cd/lm 1 White hts:	
Peak intensity LEDs/each optic Light colour Required componen C16685_CLAMP Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	0.4 cd/lm 1 White hts: -PRV-A Soleriq S13 19x19 Asymmetric 84 % 0.4 cd/lm 1 White hts:	



OSRAM Opto Semiconductors			90*
LED	Soleriq S13 19x19		
FWHM / FWTM	Asymmetric		75° 100 73
Efficiency	86 %		
Peak intensity	0.4 cd/lm		60* 60
LEDs/each optic	1		
Light colour	White		45* 300 45
Required compone			
	: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
			30° 415' 0° 15' 30
PHILI	PS		80* 90
LED	Fortimo SLM L13 + SLM holder		
FWHM / FWTM	Asymmetric		72* 200 75
Efficiency	83 %		
Peak intensity	0.4 cd/lm		50° / 200 60
LEDs/each optic	1		
Light colour	White		45+ 20 45
Required compone	ents:		
TE Connectivity	r: OPTIC CLIP Z50 TYPE1 2213194-1		400
			500
			00 <sup>-</sup> 15 <sup>2</sup> 0 <sup>4</sup> 15 <sup>2</sup>
PHILI	PS	A DESCRIPTION OF THE OWNER OF THE	90* 90
LED	Fortimo SLM L13 CoB		
FWHM / FWTM	Asymmetric		250 200
Efficiency	83 %		
Peak intensity	0.4 cd/lm	and the second se	200
LEDs/each optic	1	A DECK OF A DECK OF A DECK	
Light colour	White		45* 3%0 45
Required compone	ents:		
TE Connectivity	r: 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1		400
			30° 30
			13 <sup>9</sup> 0 <sup>9</sup> 13 <sup>9</sup>
PHILI	~>		90* 90
LED	Fortimo SLM L15 + SLM holder		
FWHM / FWTM	Asymmetric		75
Efficiency	82 %		
Peak intensity	0.4 cd/lm		
LEDs/each optic	1		
Light colour	White		45*
Required compone	ents:		
TE Connectivity	: OPTIC CLIP Z50 TYPE1 2213194-1		$\times$
			400
			30



SAMSU	ING	90° 90°
LED	LC040C	
FWHM / FWTM	Asymmetric	75*
Efficiency	88 %	
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	45*
Required componer	ts:	40
	2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		200
		600
SEOUL		30° 115° 30°
SEOUL SEMICONDUCTOR		90* 90*
LED	AC Zhaga COB	
FWHM / FWTM	Asymmetric	75* 200 75*
Efficiency	86 %	
Peak intensity	0.4 cd/lm	60* 200 60*
LEDs/each optic	1	
Light colour	White	45+ 30 45*
Required componer	ts:	X    X
Optosource: SEH	SMJD-A	400
		X   X
		200
SEOUL		12 <sup>3</sup> 0 <sup>6</sup> 15 <sup>4</sup>
SEOUL SEMICONDUCTOR		90* 90*
LED	MJT COB LES 14.5	
	Asymmetric	100
Efficiency	81 %	200
Efficiency Peak intensity	81 % 0.3 cd/lm	 200 ke <sup>*</sup> 200
Efficiency Peak intensity LEDs/each optic	81 % 0.3 cd/lm 1	200 - 200 -
Efficiency Peak intensity LEDs/each optic Light colour	81 % 0.3 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
Efficiency Peak intensity LEDs/each optic Light colour Required componer	81 % 0.3 cd/lm 1 White tts:	6°
Efficiency Peak intensity LEDs/each optic Light colour Required componer	81 % 0.3 cd/lm 1 White	84"
Efficiency Peak intensity LEDs/each optic Light colour Required componer	81 % 0.3 cd/lm 1 White tts:	50 50 50 50 50 60
LEDs/each optic Light colour Required componer	81 % 0.3 cd/lm 1 White tts:	6°
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 NG ONS	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 NG ONS WU-M-484	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 NG ONS WU-M-484 Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 NGS WU-M-484 Asymmetric 85 %	200 57 200 20 20 20 20 20 20 20 20 2
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity	81 % 0.3 cd/m 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 NG ONS WU-M-484 Asymmetric 85 % 0.4 cd/m	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	81 % 0.3 cd/m 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 NG ONS WU-M-484 Asymmetric 85 % 0.4 cd/m 1	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	81 % 0.3 cd/lm 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 <b>NG</b> <b>NU</b> -M-484 Asymmetric 85 % 0.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 <b>NG</b> ONS WU-M-484 Asymmetric 85 % 0.4 cd/lm 1 White tts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity:	81 % 0.3 cd/lm 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 <b>NG</b> <b>NU</b> -M-484 Asymmetric 85 % 0.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TE Connectivity: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	81 % 0.3 cd/lm 1 White tts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 <b>NG</b> ONS WU-M-484 Asymmetric 85 % 0.4 cd/lm 1 White tts:	



bridgelux.			
Diugetux.			90*
	N/40.0	75	75°
	V10 Gen6		
FWHM / FWTM	Asymmetric	504	60*
Efficiency	86 %		
LEDs/each optic	1		
Light colour	White	40	45*
Required components			/
C13658_CLAMP-V			$\langle \cdot \cdot \rangle$
Bender Wirth: 455	yp L1	00	$\langle \rangle$
		50°* 25° 0° 25°	30*
bridgelux.		80+	90*
LED	V10 Gen6		75*
FWHM / FWTM	Asymmetric		$\square$
Efficiency	86 %		60*
LEDs/each optic	1		
Light colour	White		45*
Required components			
C14123_CLAMP-C			
			$\langle \cdot \rangle$
			$\sim$
		30* 15* 0* 15*	30*
bridgelux.		80	90*
LED	V13 Gen7		
FWHM / FWTM	Asymmetric	75%	75°
Efficiency	86 %		
Peak intensity	0.4 cd/lm		60*
LEDs/each optic	1	30	K
Light colour	White		45*
Required components		460	/
C13658_CLAMP-V	RO13-18	200	
Bender Wirth: 477	yp L1		$\langle \rangle$
		20 <sup>4</sup> 22 <sup>4</sup> 27 <sup>4</sup>	30*
bridgelux.			
		80*	90*
LED	V13 Gen7		75
FWHM / FWTM	Asymmetric		
Efficiency	90 %		604
LEDs/each optic	90 % 1		
Light colour	White		5
Required components			45*
IDEAL: 50-2103CT			1
IDLAL. 30-210301	F 50-2 I UUAIN		$\langle$
		200	$\langle \rangle$
		30° 15°	30*



OTTIZEN		
CITIZEN		50' 50'
		75
LED	CLL02x/CLU02x (LES10)	
FWHM / FWTM	Asymmetric	
Efficiency	86 %	
LEDs/each optic	1	
Light colour	White	6.
Required components:		
C13658_CLAMP-VE		60
Bender Wirth: 434 T	yp L1	$\times$ / $\setminus$ $\times$
		30* 800 15 <sup>9</sup> 0 <sup>4</sup> 15 <sup>9</sup> 30*
CITIZEN	•	
CITZEN		90° 90°
LED	CLU700/701/702/703	73
EED FWHM / FWTM		_20
Efficiency	Asymmetric 87 %	60 <sup>4</sup> 60 <sup>4</sup>
-	87 %	
LEDs/each optic		
Light colour	White	er er
Required components:		
C13658_CLAMP-VE		$\times$ / $\times$
Bender Wirth: 434 T	ур Ці	849
		30* 30 <sup>4</sup> 12 <sup>5</sup> 0 <sup>5</sup> 15*
CITIZEN		
LED	CLU710/711	
FWHM / FWTM	Asymmetric	
Efficiency	87 %	10 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	a
Required components:		
C13658_CLAMP-VE	RO13-18	$\times$
Bender Wirth: 470 T		60
		30*
		12% 0% 12%
		50° 30°
		79 70 70
	CXA/B 13xx	200
FWHM / FWTM	Asymmetric	apt of the second se
Efficiency	88 %	40
LEDs/each optic	1	
Light colour	White	67 60 67
Required components:		
C13658_CLAMP-VE		
Bender Wirth: 448 T	yp L1	80
		30*



		91 <sup>4</sup>
LED	CXA/B 15xx	754
FWHM / FWTM	Asymmetric	200
Efficiency	87 %	664
LEDs/each optic	1	400
Light colour	White	
Required components:	Willo	
C14123_CLAMP-CX	415-18	000
011120_02/01/07		$\times$ / $\times$
		80
		(30* 15 <sup>5</sup> 0 <sup>6</sup> 15* 3)
LED	CXA/B 15xx	
FWHM / FWTM	42.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required components:		
C14123_CLAMP-CX	A15-18	
		90* P
LED	CXA/B 1830	
FWHM / FWTM	Asymmetric	
Efficiency	85 %	66*
LEDs/each optic	1	400
Light colour	White	45° (
Required components:		
C14123_CLAMP-CX	A15-18	
		20
<b></b>		125 <sup>1</sup> 0 <sup>1</sup> 15 <sup>4</sup>
UMILEI	JS	90* 9
LED	LUXEON CoB 1202/1203	
FWHM / FWTM	Asymmetric	
Efficiency	86 %	
LEDs/each optic	1	
Light colour	White	45* 400 4
Required components:		
TE Connectivity: 221	3382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
TE Connectivity: 221	3302-2 + OPTIC CLIP 250 11PE1 2213194-1	00
TE Connectivity: 221	3302-2 + OPTIC CLIP 250 11PE1 2213194-1	99



		90, 95,
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components C13658_CLAMP-V Bender Wirth: 452	ER013-18	
MICHIΛ		90 <sup>+</sup>
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components TE Connectivity: 22	COB L-Type (LES 9) Asymmetric 85 % 1 White :: :13382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
<b>Μ</b> ΝΙCΗΙΛ		90°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components TE Connectivity: 22	NSCxL036A Asymmetric 87 % 1 White : 213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
SHARP		50°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components C13658_CLAMP-V Bender Wirth: 452	ER013-18	



#### **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.

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