

PRODUCT DATASHEET CN14238\_WINNIE-W

# WINNIE-W

~50° wide beam. Holder with 35 mm screw hole distance according to Zhaga standard. Compatible with Bender+Wirth 4xx Typ L5 connector.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 49.8 mm
Height	19.3 mm
Fastening	screw
ROHS compliant	yes 🛈



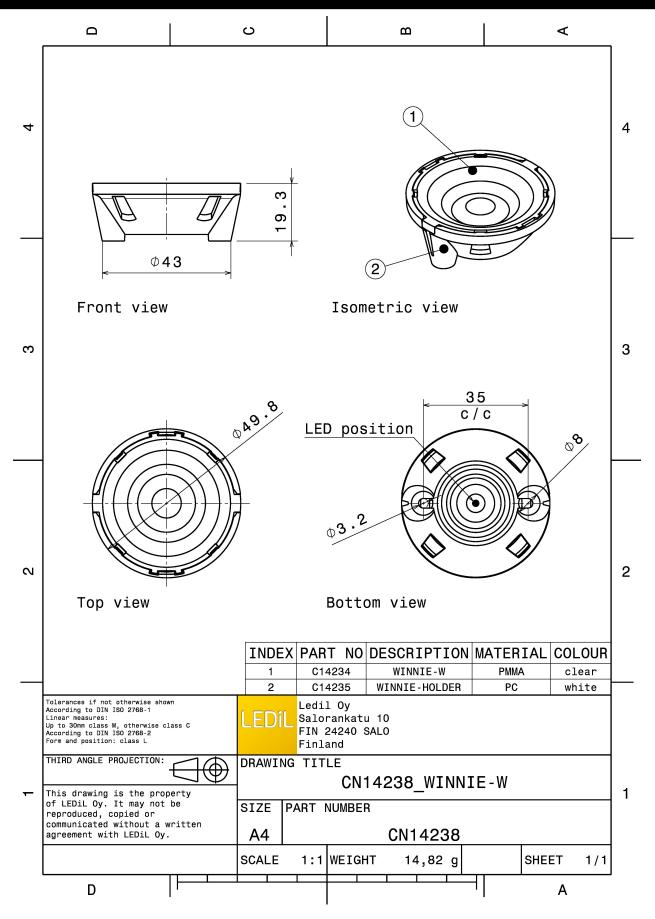
## **MATERIAL SPECIFICATIONS:**

Component	Туре	Material	Colour	Finish
WINNIE-W	Single lens	PMMA	clear	
WINNIE-HOLDER	Holder	PC	white	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN14238_WINNIE-W	Single lens	364	84	28	0.0
» Box size:					

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



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	V18 Gen6 56.0° / 102.0° 88 % 0.8 cd/lm 1 White nts:		99 <sup>4</sup> 72 69 <sup>4</sup> 69 <sup></sup>
bridgelux.			
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	V6 Gen6 47.0° / 92.0° 87 % 1.2 cd/lm 1 White nts:		
			1
bridgelux.			
	V8 Gen6		
FWHM / FWTM Efficiency	48.0° / 92.0° 88 %		
Peak intensity	88 % 1.1 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone			
bridgelux.			30*
LED	VERO10	10.00	
FWHM / FWTM	49.0° / 90.0°		
Efficiency	90 %		60 <sup>3</sup> 60 <sup>4</sup>
Peak intensity	1.1 cd/lm		/ / /    /    /    /    /    /    /
LEDs/each optic	1 White		gr er
Light colour Required compone			
			152 00 155



CITIZE	N				
LED	CLL01x				
FWHM / FWTM	45.0° / 90.0°				
Efficiency	87 %				
Peak intensity	1.2 cd/lm				
LEDs/each optic	1				
Light colour	White				
Required compone	ents:				
CITIZE	Ν				
LED	CLL02x/CLU02x (LES10)				
FWHM / FWTM	46.0° / 90.0°				
Efficiency	87 %				
Peak intensity	1.6 cd/lm				
LEDs/each optic	1				
Light colour	White				
Required compone	ents:			_	
CITIZE	N			50 <sup>4</sup>	
				39*	
	N CLL02x/CLU02x (LES10) 46.0° / 88.0°			39 <sup>4</sup>	
LED	CLL02x/CLU02x (LES10)			99 <sup>4</sup>	
LED FWHM / FWTM Efficiency	CLL02x/CLU02x (LES10) 46.0° / 88.0°			994 75 601 - 600	
LED FWHM / FWTM Efficiency Peak intensity	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 %		1	99° 75 69° 400	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm			99° 25 69° 400	
LED FWHM / FWTM	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White			99* 99* 60*	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents:			99° 99° 99° 90° 400 400	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents:			994 75 64 64 64 64 64 60 60 60	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents:			75 66 97 90 90	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5			75 60 67 70 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White Ints: 34 Typ L5			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5 N CLL03x/CLU03x 48.0° / 91.0°			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 <b>CITTIZE</b> LED FWHM / FWTM Efficiency	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5 N CLL03x/CLU03x 48.0° / 91.0° 88 %			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White onts: 34 Typ L5 N CLL03x/CLU03x 48.0° / 91.0° 88 % 1 cd/lm			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White pots: 34 Typ L5 N CLL03x/CLU03x 48.0° / 91.0° 88 % 1 cd/lm 1			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5 N CLL03x/CLU03x 48.0° / 91.0° 88 % 1 cd/lm 1 White			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4 CCITCIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLL02x/CLU02x (LES10) 46.0° / 88.0° 87 % 1.1 cd/lm 1 White ents: 34 Typ L5			25 64 80 80 80 80 80 80 80 80 80 80 80 80 80	



CITIZE	<sup>I</sup> N	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU700/701/702 42.0° / 83.0° 88 % 1.3 cd/lm 1 White	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLU700/701/702 42.0° / 84.0° 88 % 1.3 cd/lm 1 White ents:	
CITTIZE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Bender Wirth: 4	CLU710/711 45.0° / 86.0° 88 % 1.2 cd/lm 1 White ents:	
CITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU710/711 47.0° / 93.0° 87 % 1 cd/lm 1 White	



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CITIZE	N	90° 90
LED	CLU720/721	
FWHM / FWTM	45.0° / 85.0°	
Efficiency	87 %	аран (1997) — 1992 — 199
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	or the second seco
Required compone		
Bender Wirth: 43	33 Typ L5	
		20 <sup>4</sup> 227 0 <sup>4</sup> 257
	D	90 <sup>+</sup>
LED	CXA/B 13xx	
FWHM / FWTM	51.0° / 96.0°	
Efficiency	89 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
	2	
LED	CXA/B 15xx	
FWHM / FWTM	52.0° / 96.0°	
Efficiency	87 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
	D	90 <sup>4</sup> 90
LED	MHD-E/G	
EED FWHM / FWTM	45.0° / 91.0°	
	88 %	
Efficiency	00 /0	
Efficiency Peak intensity	1.1.cd/lm	
Peak intensity	1.1 cd/lm 1	
Peak intensity LEDs/each optic	1	
Peak intensity LEDs/each optic Light colour	1 White	
Peak intensity LEDs/each optic	1 White	g <sup>r</sup>
Peak intensity LEDs/each optic Light colour	1 White	
Peak intensity LEDs/each optic Light colour	1 White	



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		EDC
		EDS

LED	LL
FWHM / FWTM	48
Efficiency	88
Peak intensity	1.
LEDs/each optic	1
Light colour	W
Required componer	nts:

LUXEON CoB 1202/1203 48.0° / 94.0° 88 % 1.1 cd/lm 1 White nts:



### LUMILEDS

LEDLIFWHM / FWTM46Efficiency85Peak intensity1LEDs/each optic1Light colourWRequired components:

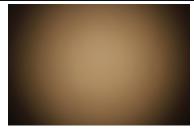




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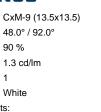
LEDCxFWHM / FWTM50.Efficiency86Peak intensity1 cLEDs/each optic1Light colourWHRequired components:





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LEDCxM-40FWHM / FWTM48.0°Efficiency90 %Peak intensity1.3 cdLEDs/each optic1Light colourWhiteRequired components:







OSRAM Opto Semiconductors		
LED	Duris S10	
FWHM / FWTM	54.0° / 90.0°	
Efficiency	88 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
OSRAM Opto Semiconductors		
LED	Soleriq S13	
FWHM / FWTM	49.0° / 92.0°	
Efficiency	87 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
OSRAM Opto Semiconductors		
LED	Soleriq S19	
FWHM / FWTM	50.0° / 94.0°	
Efficiency	84 %	
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
<u> </u> <b> </b>	ING	34'
LED	LC003D / LC006D / LC009D / LC013D	
FWHM / FWTM	47.0° / 89.0°	
Efficiency	88 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	gr. a
Required compone		



SAMSI	JNG	55*
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	52.0° / 96.0°	20
Efficiency	85 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required compone		
		**
		34
SEOUL		10 <sup>1</sup> 10 <sup>1</sup> 10 <sup>1</sup>
SEOUL SEMICONDUCTOR		»*
LED	MJT COB LES 14.5	
FWHM / FWTM	51.0° / 96.0°	
Efficiency	84 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ints:	
Bender Wirth: 43	33 Typ L5	80
		300 3000
SEOUL		50*
LED	MJT COB LES 9.8	
FWHM / FWTM	46.0° / 88.0°	
Efficiency	90 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
LLDS/Each Optic		
	White	e.
Light colour	White	
Light colour Required compone	White Ints:	er
Light colour	White Ints:	ar - Bea
Light colour Required compone	White Ints:	
Light colour Required compone Bender Wirth: 4:	White Ints:	
Light colour Required compone Bender Wirth: 43	White Ints:	
Light colour Required compone Bender Wirth: 43	White Ints:	
Light colour Required compone Bender Wirth: 43 seoul semiconductor LED	White ints: 34 Typ L5	
Light colour Required compone Bender Wirth: 43 SEOUL SEMICONDUCTOR LED FWHM / FWTM	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0° 89 %	
Light colour Required compone Bender Wirth: 4: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0°	
Light colour Required compone Bender Wirth: 4: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0° 89 % 1.1 cd/lm 1	
Light colour Required compone Bender Wirth: 4: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0° 89 % 1.1 cd/lm 1 White	
Light colour Required compone Bender Wirth: 4: scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0° 89 % 1.1 cd/lm 1 White Ints:	
Light colour Required compone Bender Wirth: 4: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0° 89 % 1.1 cd/lm 1 White Ints:	
Light colour Required compone Bender Wirth: 4: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White Ints: 34 Typ L5 ZC12/18 48.0° / 90.0° 89 % 1.1 cd/lm 1 White Ints:	



	'ING 'IONS	5°	90°
LED	DMC 124 / 125		
FWHM / FWTM	45.0° / 84.0°		- 25'
Efficiency	89 %		60*
Peak intensity	1.2 cd/lm		$\backslash /$
LEDs/each optic	1		$\mathbf{X}$
Light colour	White	¢.	42+
Required compone	nts:		$\langle \rangle$
Bender Wirth: 43	33 Typ L5		
		30°	36.
	ING	<u> </u>	12,
	'ING 'IONS		90*
	TING TONS DMC 128	»·	
LED	DMC 128	»·	
LED FWHM / FWTM	DMC 128 49.0° / 90.0°	»·	
LED FWHM / FWTM Efficiency	DMC 128 49.0° / 90.0° 88 %	»·	
LED FWHM / FWTM Efficiency Peak intensity	DMC 128 49.0° / 90.0° 88 % 1 cd/lm	»·	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	DMC 128 49.0° / 90.0° 88 % 1 cd/lm 1 White		99* 99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	DMC 128 49.0° / 90.0° 88 % 1 cd/lm 1 White nts:		99* 99*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	DMC 128 49.0° / 90.0° 88 % 1 cd/lm 1 White nts:		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	DMC 128 49.0° / 90.0° 88 % 1 cd/lm 1 White nts:		90°



# PHOTOMETRIC DATA (SIMULATED):

		50° 50°
LED	CXA/B 15xx	
FWHM / FWTM	48.0° / 88.0°	75
Efficiency	86 %	
Peak intensity	1.1 cd/lm	60 <sup>4 -</sup>
LEDs/each optic	1	
Light colour	White	97 - Go
Required components:	Wille	
C14305_STELLA-CI	AMD CYA15 18	
014000_012224-01		
		30° 13° 1220 15°
	)S	90° _ 90°
LED	LUXEON CoB 1202/1203	
EED FWHM / FWTM	47.0° / 88.0°	75. 25.
Efficiency	89 %	
Peak intensity	09 % 1.2 cd/lm	60* 60*
LEDs/each optic	1.2 com	
Light colour	White	95
Required components:	Wille	
Bender Wirth: 441 T	m   5	
Bender Wirth: 441 T	p ∟s	
		30, 32, 35, 37,
	ns.	
LED	LUXEON CoB Compact	
FWHM / FWTM	46.0° / 90.0°	
Efficiency	89 %	
	1.3 cd/lm	
Peak intensity	1.3 Cu/m 1	
LEDs/each optic	ı White	
Light colour Required components:	Wille	
Required components:		
LED		
FWHM / FWTM	56.0° / 98.0°	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		



## PHOTOMETRIC DATA (SIMULATED):

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LED	CxM-14 (19x19)		
FWHM / FWTM	48.0° / 91.0°		
Efficiency	88 %		
Peak intensity	1 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
Bender Wirth: 433 Typ L5			

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LED	CxM-9 (13.5x13.5)		
FWHM / FWTM	46.0° / 88.0°		
Efficiency	87 %		
Peak intensity	1.1 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required components:			
Bender Wirth: 434 Typ L5			

<b>ØNICHIA</b>		50°
LED	COB S-Type (LES 6)	
FWHM / FWTM	44.0° / 90.0°	75.
Efficiency	92 %	60° 400 60°
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	43° 43°
Required components:		800
		30° 35°
0000444		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>5</sup>
OSRAM Opto Semiconductors		90° 90°
LED	Soleriq S9	73'
FWHM / FWTM	45.0° / 87.0°	
Efficiency	90 %	60° 400 60°
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	$\times$ / $\times$ / $\times$
Light colour	White	43°
Required components:		
		30° 31°
		15° 0° 15°



# PHOTOMETRIC DATA (SIMULATED):

SAMSUNG         LC010C           FWHM / FWTM         45.0° / 88.0°           Efficiency         91 %           Peak intensity         1.2 od/m           LED keach optic         1           Light colour         White           Required components:         Bender With: 479 Typ L5           SAMSUNG         ***           LED         L0020C           FWHM / FWTM         45.0° / 86.0°           Efficiency         89 %           Peak intensity         1.2 cd/m           LED/seach optic         1           Light colour         White           Required components:         ***           Bender With: 479 Typ L5         ***           SAMSUNG         ***           LED         LC040C           FWHM / FWTM         45.0° / 88.0°           Efficiency         88 %           Peak intensity         1.2 cd/m           LED/seach optic         1           Light colour         White           Required components:         #**           Bender With: 479 Typ L5         ***           Fediciency         88 %           Peak intensity         1.2 cd/m           LED/seach optic <t< th=""><th></th></t<>	
FWHM / FWTM       45.0° / 88.0°         Efficiency       91 %         Peak intensity       1.2 cd/m         LED/each optic       1         Light colour       White         Required components:       Bender Winth: 479 Typ L5         SAMSSUNG       ************************************	
Efficiency 91 % Peak intensity 1.2 cd/m LED Weak optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSSUNG LED LC020C FWHM / FWTM 45.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSSUNG LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSSUNG LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDS/eac	
Peak intensity 1.2 cd/m LEDs/each optic 1 LEDs/each optic 1 LEDs/each optic 4 Required components: Bender Wirth: 479 Typ L5 SAMSUNG LED LC020C FV/HM / FV/TM 4.5.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSUNG LED LC040C FV/HM / FV/TM 4.5.0° / 86.0° Efficiency 83 % Peak intensity 1.2 cd/m LEDs/each optic 1 LED LC040C FV/HM / FV/TM 4.5.0° / 86.0° Efficiency 83 % Peak intensity 1.2 cd/m LED LC040C FV/HM / FV/TM 45.0° / 86.0° Efficiency 81 % Peak intensity 1.2 cd/m LED LC040C FV/HM / FV/TM 45.0° / 86.0° Efficiency 87 % Peak intensity 1.1 cd/m LEDs/each optic 1	$\times$ $\land$ $\land$
LEDs/each optic 1 Light colour White Required components: Bender Wirth: 473 Typ L5 SAMSUNC LED LC020C FWHM / FWTM 45.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSUNC LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSUNC LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 87 % Peak intensity 1.1 cd/m LEDs/each optic 1	400
Light colour White Required components: Bender Wirth: 473 Typ L5 SAMSUNC LED LO202C FWHM / FWTM 45.0° / 86.0° Efficiency 89% Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 473 Typ L5 SAMSUNC LED LO240C FWHM / FWTM 45.0° / 86.0° Efficiency 88% Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 473 Typ L5 SAMSUNC Efficiency 88% Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 473 Typ L5	$//$ $\wedge$ $\times$
Required components: Bender Wirth: 479 Typ L5 SAMM SUNC LED LO020C FWHM / FWTM 45.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSUNC LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSUNC Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 Source Efficiency 87 % Peak intensity 1.1 cd/m LEDs/each optic 1	
Bender Wirth: 479 Typ L5	800
SAMSUNG LED LC020C FWHM / FWTM 45.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5	
LED LC020C FWHM / FWTM 45.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSSUNS LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 summary 2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 summary 2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 summary 2 cd/m LED 2 C24/6 FWHM / FWTM 46.0° / 88.0° Efficiency 87 % Peak intensity 1.1 cd/m	$\wedge$ $\wedge$ $\lambda$
LED LC020C FWHM / FWTM 45.0° / 86.0° Efficiency 89 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 SAMSSUNS LED LC040C FWHM / FWTM 45.0° / 86.0° Efficiency 88 % Peak intensity 1.2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 summary 2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 summary 2 cd/m LEDs/each optic 1 Light colour White Required components: Bender Wirth: 479 Typ L5 summary 2 cd/m LED 2 C24/6 FWHM / FWTM 46.0° / 88.0° Efficiency 87 % Peak intensity 1.1 cd/m	1200
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#### **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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