# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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## **MIRELLA-G2-W**

~35° wide beam. Compatible with LEDiL HEKLA.

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 49.9 mm
Height	22.6 mm
Fastening	socket
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	6.4 kg
Quantity in Box	336 pcs
ROHS compliant	yes 🛈



PRODUCT DATASHEET F15560\_MIRELLA-G2-W

#### **MATERIAL SPECIFICATIONS:**

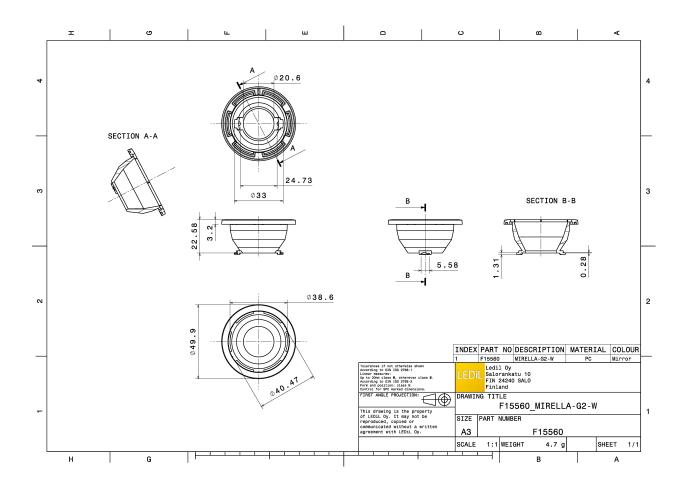
Component MIRELLA-G2-W Туре Reflector Material

PC

Colour

metal

Coating



R



bridgelux.		90* 90*
LED	VERO10	75
FWHM	38.0°	
Efficiency	91 %	60*
Peak intensity	1.600 cd/lm	
Required comp	oonents:	5°
F15616_HE	KLA-SOCKET-F	4 120
		30°
bridgelux.		90° 90°
LED	Vesta DTW 9mm (6W/12W)	73*
FWHM	41.0°	
Efficiency	80 %	60 <sup>+</sup>
Peak intensity	1.200 cd/lm	
Required comp	oonents:	g. <u>6</u> ,
C16142_HE	KLA-SOCKET-K	
C13723_MIF	RELLA-RZL	
Bender Wirth	n: 492 Typ L8	30° 150 0° 15°
bridgelux.		90* 90*
LED	Vesta TW 13mm (25W)	73. 75.
FWHM	47.0°	200
Efficiency	75 %	69*
Peak intensity	0.940 cd/lm	
Required comp	oonents:	g*60
C16142_HE	KLA-SOCKET-K	
C13723_MIF	RELLA-RZL	
Bender Wirth	і: 492 Тур L8	36°
bridgelux.		50 <sup>4</sup>
LED	Vesta TW 9mm (12W)	75
FWHM		
1	40.0°	
Efficiency	40.0° 78 %	er
Efficiency Peak intensity	78 % 1.200 cd/lm	
Efficiency Peak intensity Required comp	78 % 1.200 cd/lm ponents:	61 61 61 61 61 61 61 61 61 61 61 61 61 6
Efficiency Peak intensity Required comp C16142_HE	78 % 1.200 cd/lm ponents: KLA-SOCKET-K	19 <sup>1</sup> 0 <sup>2</sup> 0 <sup>2</sup>
Efficiency Peak intensity Required comp C16142_HEI C13723_MIF	78 % 1.200 cd/lm oonents: KLA-SOCKET-K RELLA-RZL	er
Efficiency Peak intensity Required comp C16142_HEI C13723_MIF	78 % 1.200 cd/lm ponents: KLA-SOCKET-K	61 60 60 60 10 10 10 10 10 10 10 10 10 10 10 10 10



bridgelux.		90° 99°
LED	Vesta TW 9mm (12W)	75
FWHM	34.0°	400
Efficiency	88 %	60° - 60°
Peak intensity	1.700 cd/lm	
Required com	ponents:	g. at
C16142_HE	KLA-SOCKET-K	
Bender Wirt	n: 490 Typ L8	1000
		30 <sup>4</sup> 13 <sup>5</sup> 0 <sup>4</sup> 13 <sup>5</sup> 30 <sup>4</sup>
CITIZE	N	30,
LED	CLC020 Series (Dim-To-Warm)	75'
FWHM	42.0°	
Efficiency	77 %	60 <sup>1</sup> 60 <sup>1</sup>
Peak intensity	1.100 cd/lm	
Required com	ponents:	9 <sup>-</sup>
C16142_HE	KLA-SOCKET-K	
C13723_MI	RELLA-RZL	
Bender Wirt	n: 487 Typ L8	36* 150 36* 36*
CITIZE	N	50° 50°
LED	CLC020 Series (Dim-To-Warm)	75
FWHM	36.0°	- 400
Efficiency	85 %	60 <sup>2</sup> 60 <sup>2</sup>
Peak intensity	1.600 cd/lm	
Required com	ponents:	9°
C16142_HE	KLA-SOCKET-K	- 120
		30° <u>15°</u> 30° 35°
CITIZE	N	30*
LED	CLU LES 4.2mm (HI-Ver.3)	75
FWHM	24.0°	
Efficiency	89 %	60° 60°
Peak intensity	2.100 cd/lm	
Required com	ponents:	
F15255_HE	KLA-SOCKET-C	1620
		30.



CITIZE	N	90*
LED	CLU025/CLU027 (LES 6)	75
FWHM	31.0°	
Efficiency	90 %	60° (6
Peak intensity	1.900 cd/lm	
Required comp		1270 C
	(LA-SOCKET-C	
		1632
		30. 30
CITIZE	N	25 <sup>4</sup> 9 <sup>6</sup> 25 <sup>7</sup>
LED	CLU700/701	
FWHM	29.0°	73*
Efficiency	91 %	60*
Peak intensity		
Required comp		45° (
	(LA-SOCKET-C	
C13723_MIR		1650
0.0720_000		
		 30° 15° 0° 15° 3
CITIZE	Ν	90*
LED	CLU710/711	75
FWHM	37.0°	
Efficiency	87 %	695
Peak intensity	1.500 cd/lm	
Required comp	onents:	7
F15859_HEk	(LA-SOCKET-I	
		30.
CITIZE	N	20 <sup>4</sup>
LED	LCN-C01B (Tunable White)	73.
FWHM	42.0°	
Efficiency	77 %	60 <sup>1</sup> 600
Peak intensity		
Required comp		er (
	KLA-SOCKET-K	800
Bender Wirth		30"
		 1200 15° 0° 15°



CREE C LED FWHM Efficiency Peak intensity Required com F15256_HE	CMA1516 40.0° 88 % 1.300 cd/lm	
CREE C LED FWHM Efficiency Peak intensity Required com F15956_HE C13333_MII	CXA/B 13xx 30.0° 92 % 1.900 cd/Im ponents: KLA-SOCKET-J	
CREE C LED FWHM Efficiency Peak intensity Required com F15256_HE	CXA/B 15xx 37.0° 91 % 1.600 cd/lm	
CLUMIL LED FWHM Efficiency Peak intensity Required com F15858_HE	LUXEON CoB 1202/1203 38.0° 90 % 1.500 cd/lm	



LED CDM-6 (Dim-To-Warm)   FWHM 30.0°   Efficiency 84 %   Peak intensity 1.800 cd/lm   Required components: C16142_HEKLA-SOCKET-K   Bender Wirth: 490 Typ L8	
FWHM 30.0° Efficiency 84 % Peak intensity 1.800 cd/lm Required components: C16142_HEKLA-SOCKET-K	
Efficiency 84 % Peak intensity 1.800 cd/lm Required components: C16142_HEKLA-SOCKET-K	X
Peak intensity 1.800 cd/lm Required components: C16142_HEKLA-SOCKET-K	X
Required components: C16142_HEKLA-SOCKET-K	HX
C16142_HEKLA-SOCKET-K	H
Bender Wirth: 490 Typ L8	
300	15°
LED CDM-6 (Dim-To-Warm)	1-
FWHM 39.0°	
Efficiency 76 %	$( \land )$
Peak intensity 1.200 cd/lm	$  \setminus X$
Required components:	
C16142_HEKLA-SOCKET-K	$\land \land \land$
C13723_MIRELLA-RZL	
Bender Wirth: 490 Typ L8	
127 0	12,
	153
LED CDM-9 (Dim-To-Warm)	35*
LED CDM-9 (Dim-To-Warm)	
LED CDM-9 (Dim-To-Warm) FWHM 35.0°	10°
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components:	
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K	
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components:	
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K	32
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K	
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8	12,
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8	12,
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8 CDM-9 (Dim-To-Warm) FWHM 42.0° Efficiency 75 %	12,
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8 CDM-9 (Dim-To-Warm) FWHM 42.0° Efficiency 75 % Peak intensity 1.100 cd/lm	
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8 CDM-9 (Dim-To-Warm) FWHM 42.0° Efficiency 75 %	12,
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8 CDM-9 (Dim-To-Warm) FWHM 42.0° Efficiency 75 % Peak intensity 1.100 cd/lm Required components: C16142_HEKLA-SOCKET-K	
LED CDM-9 (Dim-To-Warm) FWHM 35.0° Efficiency 83 % Peak intensity 1.500 cd/lm Required components: C16142_HEKLA-SOCKET-K Bender Wirth: 490 Typ L8 CDM-9 (Dim-To-Warm) FWHM 42.0° Efficiency 75 % Peak intensity 1.100 cd/lm Required components:	



ELUM	INUS	90 <sup>4</sup>
LED	CTM-9 (Tunable White)	77
FWHM	43.0°	
Efficiency	75 %	50° - 400
Peak intensity	1.100 cd/lm	
Required comp	ponents:	er er
C16142_HE	KLA-SOCKET-K	
C13723_MIF	RELLA-RZL	
Bender Wirth	h: 495 Typ L8	304 257 94 257 344
() LUM	INUS	90*
LED	CXM-9	
FWHM	40.0°	
Efficiency	89 %	50* Ot
Peak intensity	1.400 cd/lm	
Required comp	ponents:	er
F15255_HEI	KLA-SOCKET-C	
		30 <sup>4</sup> 25 <sup>5</sup> 0 <sup>6</sup> 35 <sup>5</sup>
OSRAM Opto Semiconductors		90°
LED	Soleriq S9	75
FWHM	57.0°	
Efficiency	84 %	50 <sup>4</sup>
Peak intensity	1.000 cd/lm	
Required comp	ponents:	5
F15255_HEI	KLA-SOCKET-C	=
C12479_MIF	RELLA-DL	
		36° 25° 06 25° 36°
SAMSI	UNG	30*
LED	LC010C G2	75
FWHM	29.0°	
Efficiency	88 %	
Peak intensity	1.800 cd/lm	
Required comp	ponents:	6°
F15255_HEI	KLA-SOCKET-C	
		3000
		305 34
		15° 2880 15°

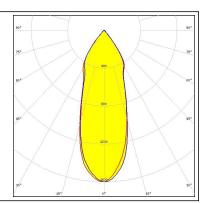


#### **PHOTOMETRIC DATA (MEASURED):**

# SAMSUNG

LED LC020C FWHM 36.0° Efficiency 90 % Peak intensity 1.600 cd/lm Required combents: F15848\_HEKLA-SOCKET-G







### PHOTOMETRIC DATA (SIMULATED):

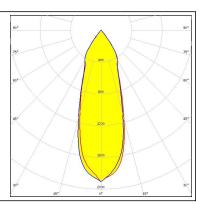
bridgelux. LED FWHM Efficiency Peak intensity Required compor C16142_HEKL		90* 92 90* 90* 92 90* 90 90* 90* 90 90* 90 90* 90 90* 90 90* 90 90* 90 90* 90 90* 90 90* 90
CITIZEN	-	94°
LED FWHM Efficiency Peak intensity Required compor F15255_HEKL/	CLL02x/CLU02x (LES10) 37.2° 88 % 1.680 cd/lm ents:	
<b>Μ</b> ΝΙCΗΙΛ		30°
LED FWHM Efficiency Peak intensity Required compor F15858_HEKL/		73* 60* 60* 50* 50* 50* 50* 50* 50* 50* 50* 50* 5
<b>Μ</b> ΝΙCΗΙΛ		50° 50°
LED FWHM Efficiency Peak intensity Required compor F15848_HEKL/		79   00   00     60*   00   0*     30*   50   5*



#### PHOTOMETRIC DATA (SIMULATED):

## TRIDONIC

LED SLE G6 LES10 FWHM 34.0° Efficiency 91 % Peak intensity 1.900 cd/lm Required componets: F15255\_HEKLA-SOCKET-C







#### **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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