

MIRELLA-G2-S

~15° spot 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	3.2 kg
Quantity in Box	336 pcs
ROHS compliant	yes 🛈



PRODUCT DATASHEET F15558_MIRELLA-G2-S

MATERIAL SPECIFICATIONS:

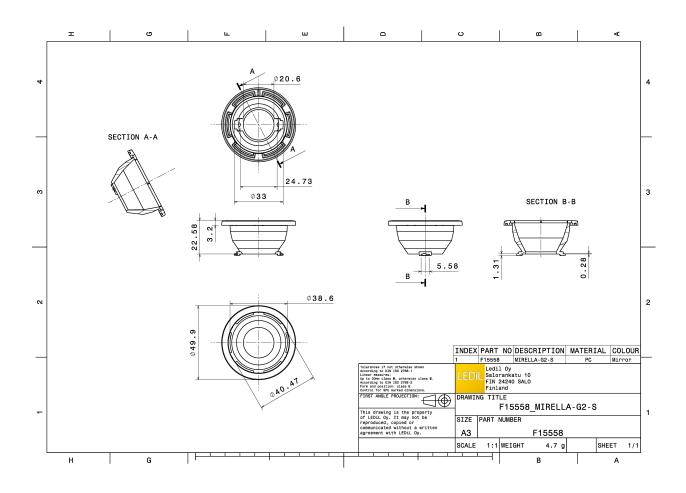
Component MIRELLA-G2-S Туре Reflector Material

PC

Colour

metal

Coating



R



bridgelux.			90*
LED	VERO10		75-
FWHM	19.0°		
Efficiency	91 %		60* 60* 60*
Peak intensity	4.500 cd/lm		
Required comp	onents:		g. e.
F15616_HE	(LA-SOCKET-F		
			30* 35* 35*
bridgelux.			50°
LED	Vesta DTW 9mm (6W/12W)	and the second se	73.
FWHM	28.0°		
Efficiency	79 %		69° 60°
Peak intensity	1.900 cd/lm		
Required comp	onents:		· · · · · · · · · · · · · · · · · · ·
C16142_HE	KLA-SOCKET-K		
C13723_MIR	ELLA-RZL		
Bender Wirth	: 490 Typ L8		30° <u>2000</u> 35° 35°
\frown			
bridgelux.			90*
bridgelux. LED	Vesta TW 13mm (25W)	and the second se	30 ⁴ 30 ⁴
	Vesta TW 13mm (25W) 39.0°		<u>3</u> 2. <u>34.</u> 26.
LED			60 60 35 26 26
LED FWHM	39.0° 72 %		60 60 25 26 26 26
LED FWHM Efficiency	39.0° 72 % 1.200 cd/lm		5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹
LED FWHM Efficiency Peak intensity Required comp	39.0° 72 % 1.200 cd/lm		27 - 77 - 77 - 77 - 77 - 77 - 77 - 77 -
LED FWHM Efficiency Peak intensity Required comp	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K		27 - 77 - 77 - 77 - 77 - 77 - 77 - 77 -
LED FWHM Efficiency Peak intensity Required comp C16142_HE	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL		27 - 77 - 77 - 77 - 77 - 77 - 77 - 77 -
LED FWHM Efficiency Peak intensity Required comp C16142_HEP C13723_MIR	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL		27 - 77 - 77 - 77 - 77 - 77 - 77 - 77 -
LED FWHM Efficiency Peak intensity Required comp C16142_HEP C13723_MIR Bender Wirth	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL		
LED FWHM Efficiency Peak intensity Required comp C16142_HEH C13723_MIR Bender Wirth	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL : 492 Typ L8		Na Na 20,
LED FWHM Efficiency Peak intensity Required comp C16142_HEH C13723_MIR Bender Wirth bridgelux. LED	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL : 492 Typ L8 Vesta TW 9mm (12W)		Na Na 20,
LED FWHM Efficiency Peak intensity Required comp C16142_HEP C13723_MIR Bender Wirth bridgetux. LED FWHM	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL : 492 Typ L8 Vesta TW 9mm (12W) 30.0° 75 %		
LED FWHM Efficiency Peak intensity Required comp C16142_HEH C13723_MIR Bender Wirth bridgetux. LED FWHM Efficiency	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL : 492 Typ L8 Vesta TW 9mm (12W) 30.0° 75 % 1.600 cd/lm		Na Na 20,
LED FWHM Efficiency Peak intensity Required comp C16142_HEP C13723_MIR Bender Wirth bridgetux LED FWHM Efficiency Peak intensity Required comp	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL : 492 Typ L8 Vesta TW 9mm (12W) 30.0° 75 % 1.600 cd/lm		
LED FWHM Efficiency Peak intensity Required comp C16142_HEP C13723_MIR Bender Wirth bridgetux LED FWHM Efficiency Peak intensity Required comp	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K ELLA-RZL : 492 Typ L8 Vesta TW 9mm (12W) 30.0° 75 % 1.600 cd/lm onents: KLA-SOCKET-K		
LED FWHM Efficiency Peak intensity Required comp C16142_HEH C13723_MIR Bender Wirth bridgelux. LED FWHM Efficiency Peak intensity Required comp C16142_HEH	39.0° 72 % 1.200 cd/lm onents: KLA-SOCKET-K EELLA-RZL : 492 Typ L8 Vesta TW 9mm (12W) 30.0° 75 % 1.600 cd/lm onents: KLA-SOCKET-K EELLA-RZL		



bridgelux.		80 ⁴
LED	Vesta TW 9mm (12W)	757
FWHM	18.0°	
Efficiency	85 %	60° 60°
Peak intensity	3.800 cd/lm	
Required com	ponents:	45° - 2400 - 5°
C16142_HE	KLA-SOCKET-K	
Bender Wirt	h: 490 Typ L8	
		30° 4000 33°
CITIZE	EN	50° 50°
LED	CLC020 Series (Dim-To-Warm)	75 79
FWHM	21.0°	
Efficiency	81 %	60* 60*
Peak intensity	2.600 cd/lm	
Required com	ponents:	63° 43°
C16142_HE	KLA-SOCKET-K	
		2000
		30° 15° 0° 15°
CITIZE	EN	80*
LED	CLC020 Series (Dim-To-Warm)	
FWHM	34.0°	
Efficiency	74 %	60° 60°
Peak intensity		
Required com		ar v ar v
	KLA-SOCKET-K	
C13723_MI	RELLA-RZL	- 1220
Bender Wirt	h: 487 Typ L8	30" 25" 25" 35"
CITIZE	EN	90° 90°
LED	CLU LES 4.2mm (HI-Ver.3)	735
FWHM	9.0°	
Efficiency	89 %	60* 60*
Peak intensity	11.000 cd/lm	
Required com	ponents:	er
F15255_HE	KLA-SOCKET-C	
		300
		300 300
		15° 0° 15°



CITIZE	N		30, 30,
LED	CLU025/CLU027 (LES 6)		735
FWHM	15.0°		1000
Efficiency	88 %		60* Ot
Peak intensity	6.600 cd/lm		
Required comp	oonents:		a. a.
F15255_HE	KLA-SOCKET-C		
			30° - 35° - 36°
CITIZE	N		90° 90°
LED	CLU700/701	and the second	75*
FWHM	13.0°		
Efficiency	91 %		60° 60°
Peak intensity	8.500 cd/lm		
Required comp	oonents:		43* 43*
C15743_XTM	M-ADAPTER-50-B		600
LEDiL: F152	55_HEKLA-SOCKET-C		
			30°
CITIZE	N		90* 90* 90*
LED	CLU710/711		
FWHM	19.0°		
Efficiency	86 %		60° (0)
Peak intensity			
Required comp			gr
	KLA-SOCKET-I		2400
			30-
CITIZE	N		125° 0 ⁴ 15°
LED	LCN-C01B (Tunable White)		75
FWHM	32.0°		
Efficiency	74 %		90° () () () () () () () () () (
Peak intensity			
Required comp			
	KLA-SOCKET-K		
C13723_MIF			1220
	n: 481 Typ L8		
			15 ⁻ 0° 15 ⁻



CREE	CMA1516 21.0° 88 % 3.300 cd/lm	
CREE C LED FWHM Efficiency Peak intensity Required comp F15956_HEI C13723_MIF	CXA/B 13xx 12.0° 93 % 9.200 cd/lm ponents: KLA-SOCKET-J	20 00 00 20 00 00 00 00 00 00 00 00 00 0
CREE LED FWHM Efficiency Peak intensity Required comp F15256_HEI	CXA/B 15xx 18.0° 93 % 4.800 cd/lm	
LUMIL LED FWHM Efficiency Peak intensity Required comp F15858_HEI	LUXEON CoB 1202/1203 19.0° 90 % 4.300 cd/lm	



C LUM	INUS	90* 90
LED	CDM-6 (Dim-To-Warm)	70-
FWHM	28.0°	
Efficiency	74 %	64
Peak intensity	1.700 cd/lm	
Required com	ponents:	97° (
C16142_HE	KLA-SOCKET-K	
C13723_MI	RELLA-RZL	1600
Bender Wirt	h: 490 Typ L8	36° 15° 0° 15° 38'
€ LUM	INUS	90°
LED	CDM-9 (Dim-To-Warm)	70
FWHM	20.0°	
Efficiency	80 %	60°
Peak intensity	2.900 cd/lm	1500
Required com	ponents:	
C16142_HE	KLA-SOCKET-K	
Bender Wirt	h: 490 Typ L8	2000
		360 239 00 350
() LUM	INUS	90* 90'
LED	CDM-9 (Dim-To-Warm)	75'
FWHM	30.0°	400
Efficiency	74 %	69° - 60°
Peak intensity	1.600 cd/lm	
Required com	ponents:	914
C16142_HE	KLA-SOCKET-K	1220
C13723_MI	RELLA-RZL	
Bender Wirt	h: 490 Typ L8	36° 15° 0° 15°
(C) LUM	INUS	90*
LED	CTM-9 (Tunable White)	75
FWHM	32.0°	
Efficiency	73 %	60 ¹
Peak intensity	1.500 cd/lm	
Required com	ponents:	
C16142_HE	KLA-SOCKET-K	
C13723_MI		
Bender Wirt	h: 495 Typ L8	30° 1690 30
		15° 08° 15°



ELUM	INUS		90* 90*
LED	CXM-9		78"
FWHM	22.0°		
Efficiency	88 %		
Peak intensity	3.000 cd/lm		
Required com	ponents:		
F15255_HE	KLA-SOCKET-C		209
			30° 3200 30°
OSRAM Opto Semiconductors			804
LED	Soleriq S9		75
FWHM	21.0°		
Efficiency	91 %		60° (60)
Peak intensity	3.800 cd/lm		
Required com	ponents:		45 ⁴ 2000 45
F15255_HE	KLA-SOCKET-C		
C12479_MI	RELLA-DL		
			30* 4000 30.
SAMS	UNG		90 ⁴ 80 ⁴
LED	LC010C G2		
FWHM	13.0°		
Efficiency	88 %		60* 601
Peak intensity	6.400 cd/lm		
Required com			(5 ²)
F15255_HE	KLA-SOCKET-C		400
			\times / \setminus \times
			300 300
SЛМSI	UNG		99 ⁴ 99 ⁴
LED	LC020C		75
FWHM	18.0°		
Efficiency	90 %		60* 60'
Peak intensity	4.400 cd/lm		
Required com			¢* 6
	KLA-SOCKET-G		3200
			30°
			15° 4890 15°



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		50°
LED	VERO13	72.
FWHM	25.0°	
Efficiency	82 %	
Peak intensity	2.300 cd/lm	
Required compor	ents:	er de la companya de
C16142_HEKL	A-SOCKET-K	
		\times / \setminus / \times
		30° 300 10
CITIZEN		
LED	CLL02x/CLU02x (LES10)	
FWHM	20.0°	
Efficiency	86 %	80° (100)
Peak intensity	3.850 cd/lm	
Required compor		a ⁺ aon a
F15255_HEKL		
		220
		30° 600
CREE 🚖		2 227 0 ⁴ 22 ³
LED	CMA1516	
FWHM	19.0°	71
Efficiency	89 %	64 Juno 1
Peak intensity	4.240 cd/lm	
Required compor		
F15256_HEKL		204
		34 ² 35 ³
<i>Ж</i> NICHIΛ		20 ⁴ 20 ³ X
LED	COB L-Type (LES 11)	74 74 157 0 157 0 157 157 157 157 157 157 157 157
LED FWHM	COB L-Type (LES 11) 23.0°	
LED FWHM Efficiency	COB L-Type (LES 11) 23.0° 88 %	
LED FWHM Efficiency Peak intensity	COB L-Type (LES 11) 23.0° 88 % 2.910 cd/lm	
LED FWHM Efficiency Peak intensity Required compor	COB L-Type (LES 11) 23.0° 88 % 2.910 cd/lm ents:	
LED FWHM Efficiency Peak intensity	COB L-Type (LES 11) 23.0° 88 % 2.910 cd/lm ents:	
LED FWHM Efficiency Peak intensity Required compor	COB L-Type (LES 11) 23.0° 88 % 2.910 cd/lm ents:	

PRODUCT DATASHEET

F15558_MIRELLA-G2-S



PHOTOMETRIC DATA (SIMULATED):

MICHIΛ		9) ⁴ 9) ⁴
LED	COB T-Type	22
FWHM	14.0°	
Efficiency	88 %	69 ⁴
Peak intensity	7.360 cd/lm	
Required compo	nents:	
F15848_HEKL	A-SOCKET-G	20* 10* 10* 30*
TRIDON	C	90 ⁺
LED	SLE G6 LES10	77
FWHM	18.0°	
Efficiency	90 %	ee*
Peak intensity	4.600 cd/lm	$ \times / / \setminus \times$
Required compo	nents:	₹ ² 330
F15255_HEKL	A-SOCKET-C	
		30* 650 30* 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.

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LEDiL Oy

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