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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





ANGELETTE-S-PLAIN

 ${\sim}10^\circ$ spot beam. Clean appearance with no additional attachment interface.

TECHNICAL SPECIFICATIONS:

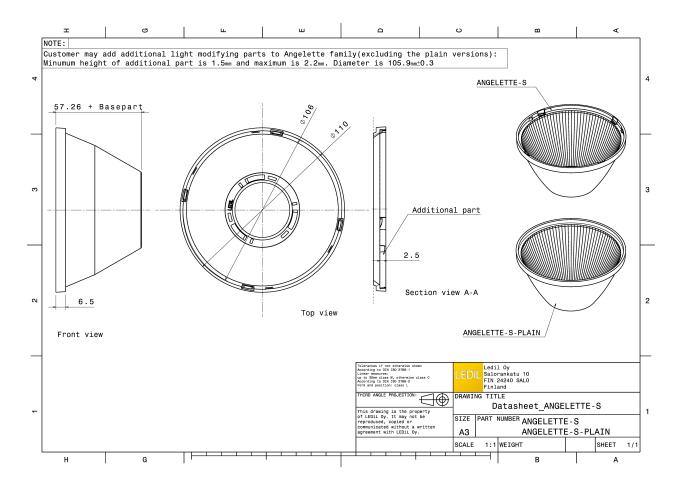
Dimensions	Ø 110 mm
Height	57.3 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	7.7 kg
Quantity in Box	180 pcs
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component ANGELETTE-S-PLAIN **Type** Reflector **Material** PC **Colour** metal Coating







bridgelux. LED FWHM Efficiency Peak intensity Required comp F13671_AN0 TE: 2213254	oonents:	27. 26. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27
bridgelux. LED FWHM Efficiency Peak intensity Required comp TE: 2213254		
		200 200 3 ³ 3 ³ 3 ³ 3 ³ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹
bridgelux, LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-23		200 200 200 200 200 200 200 200



bridgetux. LED FWHM Efficiency Peak intensity Required comp C13658_CLA		20 20 20 20 20 20 20 20 20 20
bridgetux LED FWHM Efficiency Peak intensity Required comp C13658_CLA		
bridgelux. LED FWHM Efficiency Peak intensity Required comp C13584_CLA		200 00 00 00 00 00 00 00 00 00 00 00 00
CITIZE LED FWHM Efficiency Peak intensity Required comp TE: 2213254	CLL03x/CLU03x 13.0° 90 % 6.200 cd/lm	200 200 200 200 200 200 200 200



CITIZE	N		90* 90
LED	CLL03x/CLU03x		75*
FWHM	15.0°		
Efficiency	85 %		60* <u>1600</u> 60
Peak intensity	4.500 cd/lm		
Required com			g* e3
	GE-RZ-LENS		3230
TE: 2213254	I-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
			30° 4000 50° 50° 50°
CITIZE	N		90° 90
LED	CLL03x/CLU03x		75
FWHM	15.0°		
Efficiency	85 %		60 ⁴ 1600 60
Peak intensity	4.300 cd/lm		
Required com	ponents:		67 ⁻
F13671_AN	GE-RZ-LENS		3200
IDEAL: 50-2	103CT + 50-2100AN		
			30° 25° 0° 35°
CITIZE	N		90° 90
LED	CLL03x/CLU03x		75*
FWHM	13.0°		
Efficiency	89 %		60° 60
Peak intensity	6.000 cd/lm		
Required com	ponents:	and the second se	
IDEAL: 50-2	103CT + 50-2100AN		000
			30° <u>6400</u> 30
CITIZE	N		30*
LED	CLL04x/CLU04x		
FWHM	21.0°		
Efficiency	85 %		69 ¹
Peak intensity	2.700 cd/lm		
Required comp	ponents:		
F13671_AN	GE-RZ-LENS		X / X
IDEAL: 50-2	204-CT + 50-2100AN		24400
IDEAL: 50-2	204-CT + 50-2100AN		300



CITIZE	N	90° 90°
LED	CLL04x/CLU04x	75
FWHM	19.0°	
Efficiency	90 %	60*
Peak intensity		162
Required com		at at
	204-CT + 50-2100AN	200
		30*
CITIZE	Ν	25 ⁵ 0 ⁴ 25 ⁵
LED	CLU730/731	
FWHM	14.0°	
Efficiency	85 %	60 ⁴ 2500 60 ⁴
Peak intensity		
Required com		g 62
	GE-RZ-LENS	322
	204-CT + 50-2100AN	
		30* 400 30*
CITIZE	N	15 ⁵ 0 ^b 15 ⁵
	CLU730/731	
FWHM	12.0°	73 - 25 -
Efficiency	89 %	60° 60°
Peak intensity		
Required com		9°
	204-CT + 50-2100AN	400
		\times $($ $) \times$
CREE {		50° 50°
LED	CXA/B 15xx	73. 73.
FWHM	8.0°	
Efficiency	90 %	
	12.000 cd/lm	
Required comp		
C14123_CL	AMP-CXA15-18	
1		
		30° 30° 30°



r		
CREE	CXA/B 1816 & CXA/B 1820 & CXA 1850 11.0° 90 % 8.100 cd/lm	50° 500 500 500 500 500 500 500 500 500
CREE -		
LED FWHM Efficiency Peak intensity Required comp	CXA/B 25xx 15.0° 90 % 5.300 cd/lm	
CREE -		50°
LED FWHM Efficiency Peak intensity Required comp C14036_CL/	CXA/B 30xx 19.0° 90 % 3.600 cd/lm ponents: AMP_CXA25-30	20 00 00 00 00 00 00 00 00 00
LUMIL	.EDS	30* 30'
LED FWHM Efficiency Peak intensity Required comp TE: 2213130		31. 22. 080. 12. 25. 21. 000 22. 000 23. 000 25. 0000 25. 000000000000000000000000000000000000



WHM FWHM Efficiency Peak intensity Required comp TE: 2213130	LUXEON CoB 1208 13.0° 89 % 6.200 cd/lm	51 51 51 51 51 51 51 51 51 51
	EDS	90* 90
LED FWHM Efficiency Peak intensity Required comp F13671_AN	LUXEON CoB 1208 16.0° 85 % 4.000 cd/lm	27 61 500 500 500 500 500 500 500 500 500 50
	FDS	
LED FWHM Efficiency Peak intensity Required comp	LUXEON CoB 1208 13.0° 89 % 5.600 cd/lm	
UMIL	EDS	90° 90
		27 64 50 50 50 50 50 50 50 50 50 50 50 50 50



UMIL	EDS	80° 80°
LED	LUXEON CoB 1211	39
FWHM	18.0°	
Efficiency	86 %	60** 60*
Peak intensity	3.300 cd/lm	
Required comp		43°
F13671_ANC		
IDEAL: 50-22	204-CT + 50-2100AN	220
		.30°
	EDS	90 ⁺
LED	LUXEON CoB 1211	75*
FWHM	17.0°	
Efficiency	89 %	69* 69* 69*
Peak intensity		
Required comp		și de centre de
IDEAL: 50-22	204-CT + 50-2100AN	333
		30 ⁴ 15 ⁵ 0 ⁶ 15 ⁷
	EDS EDS	90* 90*
LED	LUXEON CoB 1216/1812	75 75
FWHM	20.0°	
Efficiency	89 %	691 601
Peak intensity	3.300 cd/lm	
Required comp	oonents:	g
IDEAL: 50-22	204-CT + 50-2100AN	269
		30* 125 0* 15* 30*
	EDS EDS	50* 92*
LED	LUXEON CoB 1216/1812	
FWHM	21.0°	
Efficiency	86 %	50°
Peak intensity	2.700 cd/lm	
Required comp	ponents:	er
F13671_ANC		
IDEAL: 50-22	204-CT + 50-2100AN	200
		36° 15° 0° 15° 36°



XICHIA LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-2	COB L-Type (LES 11) 10.0° 89 % 8.200 cd/lm	24 25 60 60 60 60 60 60 60 60 60 60
NICHIN LED FWHM Efficiency Peak intensity Required comp TE: 2213382	COB L-Type (LES 11) 10.0° 90 % 9.500 cd/lm	
OSRAN LED FWHM Efficiency Peak intensity Required comp TE: OPTIC C	PrevaLED Core Z4 LES19 14.0° 90 % 5.400 cd/lm	gr
OSRAN LED FWHM Efficiency Peak intensity Required comp F13671_ANC TE: 2213130	PrevaLED Core Z4 LES19 16.0° 86 % 4.000 cd/lm conents: GE-RZ-LENS	20 21 22 22 22 22 22 22 22 22 22



OSRAM Opto Semiconductors		90° 90°
LED	Soleriq S13 Gen2	75'
FWHM	14.0°	
Efficiency	85 %	500 pt*
Peak intensity	4.800 cd/lm	
Required comp	oonents:	g., 330
F13671_AN	GE-RZ-LENS	
IDEAL: 50-2	103CT + 50-2100AN	
		30° 30° 30°
OSRAM Opto Semiconductors		50° 50°
LED	Soleriq S13 Gen2	
FWHM	11.0°	
Efficiency	89 %	60* 60*
Peak intensity	7.900 cd/lm	
Required comp	oonents:	gr 4000
TE: 2213254	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	640
		\times / \times /
		30° 35° 35°
OSRAM Opto Semiconductors		90 ⁴ 80*
LED	Soleriq S13 Gen2	75
FWHM	13.0°	100
Efficiency	85 %	60* 60*
Peak intensity	5.600 cd/lm	
Required comp	oonents:	
F13671_AN	GE-RZ-LENS	
TE: 2213254	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	4500
		30" 32" 33"
OSRAM Opto Semiconductors		50 ⁴
LED	Soleriq S19	75
FWHM	16.0°	
Efficiency	85 %	60° 60°
Peak intensity	4.000 cd/lm	
Required comp	oonents:	gar da.
F13671_ANG	GE-RZ-LENS	320
TE: 2213407	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		30°
		15° 0° 15°



OSRAM		40° 200
Required com	Soleriq S19 14.0° 90 % 5.300 cd/lm ponents: 7-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
PHILI LED FWHM Efficiency Peak intensity Required com TE: OPTIC	Fortimo SLM L15 Standard 13.0° 89 % 6.000 cd/Im	93 ⁴ 79 60 ⁴ 50 60 ⁴ 50 50 60 60 60 60 60 60 60 60 60 6
Required com	LC040C 10.0° 90 % 8.800 cd/lm	94 95 95 95 95 95 95 95 95 95 95
Required com F13671_AN	LC040C 12.0° 86 % 6.000 cd/lm	



SEOUL SEMICONDUCTOR		20°
LED	AC Zhaga COB	75-
FWHM	14.0°	
Efficiency	85 %	60 ⁵ 500 60 ⁴
Peak intensity	4.500 cd/lm	
Required comp	ponents:	
	GE-RZ-LENS	
Optosource:	SEHSMJD-A	\times / \setminus \times
		30 ⁶ 20 ⁵ 20 ⁵ 30 ⁴
SEOUL SEOUL SEMICONDUCTOR	and a design of the second	90* 997
LED	AC Zhaga COB	75
FWHM	13.0°	100
Efficiency	90 %	631 631
Peak intensity	6.400 cd/lm	200
Required comp	oonents:	gr in the second s
Optosource:	SEHSMJD-A	
		36" 35" OF 15"
SEOUL		B ₀
LED	MJT COB LES 14.5	75
FWHM	14.0°	100
Efficiency	89 %	69 · · · · · · · · · · · · · · · · · · ·
Peak intensity	5.700 cd/lm	
Required comp	ponents:	
TE: 2213254	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	

		30° 01 300
TRIDON		30
LED	SLE G1 11mm 1000lm 927 Sunset R EXC	
FWHM	13.0°	
Efficiency	87 %	
Peak intensity		
Required comp		er
	GE-RZ-LENS	
	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	430
		30"
		15° 0° 15°



TRIDO	lic		90* 90*
LED	SLE G1 15mm 2000lm 927 Sunset R EXC		75'
FWHM	15.0°		
Efficiency	87 %		60 ^{,*} 1600 60
Peak intensity			
Required comp			g
	GE-RZ-LENS		3230
	-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
			34° 257 250 35
	'ING 'IONS		50°
LED	WU-M-484	1 N N	75'
FWHM	13.0°		
Efficiency	85 %		eg*
Peak intensity	5.200 cd/lm		
Required comp	ponents:		aze az
F13671_AN	GE-RZ-LENS		
TE: OPTIC (CLIP Z50 TYPE1 2213194-1		4000
			30° 30' 30'
	'ING 'IONS		90*
LED	WU-M-484	10 M	75 75
FWHM	12.0°		
Efficiency	89 %		
Peak intensity	7.100 cd/lm		
Required comp	ponents:		9 ² 43
TE: OPTIC CLIP Z50 TYPE1 2213194-1			
			6430
			30° 15° 0° 35°
XICATO			90 ⁴ 90
LED	XIM - 19mm LES		75-
FWHM	15.0°		
Efficiency	91 %		60°
Peak intensity	5.200 cd/lm		
Required components:		es / 3000 / es	
C16491_XTM-ADAPTER-50-A			
—			
			30°
			15° 0° 15°



PHOTOMETRIC DATA (SIMULATED):

bridgelux. LED	V13 Gen7	50°
		31
FWHM	11.0°	500 500 F0.
Efficiency	92 %	
Peak intensity	10.320 cd/lm	g. (0)
Required compon		
C13658_CLAM		
Bender Wirth: 4	77 Тур ЦТ	
		30° 30° 30°
bridgelux.		50° 50°
LED	V22 Gen7	73
FWHM	16.0°	100
Efficiency	94 %	601 60.
Peak intensity	5.815 cd/lm	200
Required compor	ents:	*
C13584_CLAM	P-VERO29	
Bender Wirth: 4	31 Typ L3	600
		300 110 24
bridgelux.		90° 90°
LED	V22 Gen7	78
FWHM	14.0°	
Efficiency	94 %	60* 60*
Peak intensity	5.760 cd/lm	322
Required compon	ents:	
	I-CT + 50-2100AN	
		650
		30'
		159 00 154



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

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