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-WW-PLAIN

 ${\sim}60^\circ$ wide beam. Clean appearance with no additional attachment interface.

TECHNICAL SPECIFICATIONS:

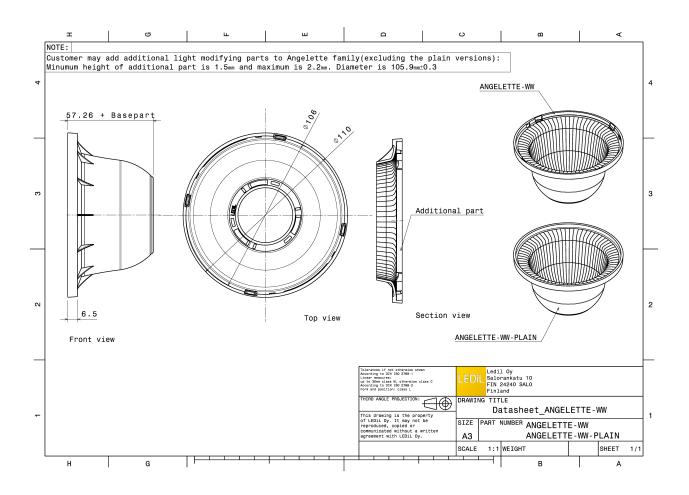
Dimensions	Ø 110 mm
Height	57.3 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	5.3 kg
Quantity in Box	120 pcs
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Coating
ANGELETTE-WW-PLAIN	Reflector	PC	metal	HMDS

E D FI4622_ANGELETTE-WW-PLAIN





bridgetux. LED FWHM Efficiency Peak intensity Required comp F13671_AN0 TE: 2213254	oonents:	20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM Efficiency Peak intensity Required comp TE: 2213254		27 29 29 20 20 20 20 20 20 20 20 20 20
bridgetux. LED FWHM Efficiency Peak intensity Required comp		30° 30° 30° 30° 30° 30° 30° 30° 30° 30°
bridgelux. LED FWHM Efficiency Peak intensity Required comp F13671_ANC IDEAL: 50-22	oonents:	200 200 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 60 ⁴ 72 ⁴ 80 ⁶ 80 ⁶



bridgetux. LED FWHM Efficiency Peak intensity Required comp C13658_CLA		30, 33, 6, 75, 9, 20, 00 6, 00 6, 00 100 100 100 100 100 100 100
bridgetux. LED FWHM Efficiency Peak intensity Required comp C13658_CLA		30 ⁺ 20 30 ⁺ 20 50 ⁺ 60 ⁺ 60 ⁺ 500 50 ⁺ 60 ⁺ 500 50 ⁺ 60 ⁺ 50 ⁺ 70
bridgetux. LED FWHM Efficiency Peak intensity Required comp C13584_CLA		20 ⁴ 22 ⁴ 22 ⁴ 22 ⁴
bridgelux. LED FWHM Efficiency Peak intensity Required comp C13584_CLA F13671_ANC	onents: MP-VERO29	200 200 200 00 00 00 00 00 00 0



CITIZE	^I N	90* 90*
LED	CLL03x/CLU03x	75'
FWHM	59.0°	
Efficiency	89 %	60° 60°
Peak intensity	1.100 cd/lm	
Required com		63° 65°
	103CT + 50-2100AN	
		30.
CITIZE	N	15 ⁵ 1280 15 ⁵
LED	CLL03x/CLU03x	
FWHM	61.0°	
Efficiency	89 %	60 ⁴ 400 50 ²
Peak intensity		
Required com		a,
	4-2 + OPTIC CLIP Z50 TYPE1 2213194-1	500
OTTIGE		15 ⁵ 0 ⁶ 15 ⁵
CITIZE	.N	90* 90*
LED	CLL04x/CLU04x	73. 75.
FWHM	63.0°	200
Efficiency	89 %	400
Peak intensity		
Required com		40°
IDEAL: 50-2	204-CT + 50-2100AN	
		30° 15° 1080 15° 30°
CITIZE	N	30' 90'
LED	CLU730/731	7
FWHM	57.0°	
Efficiency	89 %	605 607
Peak intensity	1.100 cd/lm	X / X
Required com	ponents:	er e
IDEAL: 50-2	204-CT + 50-2100AN	800
		30° 30
		15° 0° 15°



CREE 4	Tw the second seco	50* 30*
LED	CXA/B 15xx	75.
FWHM	55.0°	
Efficiency	90 %	60 ⁴ 60 ²
Peak intensity	1.100 cd/lm	
Required comp	onents:	@* @*
C14123_CLA	MP-CXA15-18	
		364 <u>1250</u> 364 364
CREE -	Tw	90°
LED	CXA/B 15xx	78. 75.
FWHM	66.0°	~~~~~
Efficiency	86 %	··· · · · · · · · · · · · · · · · · ·
Peak intensity	0.900 cd/lm	
Required comp	onents:	₹7°
C14123_CL	MP-CXA15-18	
F13671_ANG	GE-RZ-LENS	- 00
		30* 157
CREE -	The second se	90° 90°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	73.
FWHM	64.0°	
Efficiency	90 %	60° 60°
Peak intensity	1.000 cd/lm	
Required comp	onents:	9° 6.
C14123_CL4	MP-CXA15-18	200
		30° 30° 30°
CREE -	N N	90° 90°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	75
FWHM	68.0°	- 200
Efficiency	86 %	60, 60,
Peak intensity	0.800 cd/lm	400
Required comp	onents:	at at
C14123_CLA		
	AIVIF-OAATJ-TO	
F13671_ANG		
		24-



CREE LED FWHM Efficiency Peak intensity Required comp C14036_CLA F13671_ANC	CXA/B 25xx 67.0° 85 % 0.800 cd/Im onents: MP_CXA25-30		200 - 200 - 20 200 - 200 - 20 200 - 200 - 20 200 - 200 - 20 200 - 200 2
CREE LED FWHM Efficiency Peak intensity Required comp C14036_CLA	CXA/B 25xx 65.0° 89 % 0.900 cd/lm		20
CREE LED FWHM Efficiency Peak intensity Required comp C14036_CLA	CXA/B 30xx 66.0° 90 % 0.900 cd/lm		90 ⁴ 99 95 96 96 96 96 96 96 96 96 96 96
CREE LED FWHM Efficiency Peak intensity Required comp C14036_CLA F13671_ANC	CXA/B 30xx 67.0° 86 % 0.800 cd/Im onents: MP_CXA25-30		



CUMIL LED FWHM Efficiency Peak intensity Required comp TE: 2213130	LUXEON CoB 1208 61.0° 89 % 1.100 cd/lm	
	FDS	
LED FWHM Efficiency Peak intensity Required comp	LUXEON CoB 1208 61.0° 89 % 1.100 cd/lm	
	.EDS	90*
LED FWHM Efficiency Peak intensity Required comp F13671_ANG	LUXEON CoB 1208 64.0° 85 % 0.890 cd/lm	27 20 64 64 64 64 64 64 64 64 64 64
UMIL	.EDS	30* 30'



CUMIL LED FWHM Efficiency Peak intensity Required comp F13671_ANC IDEAL: 50-22	LUXEON CoB 1211 64.0° 85 % 0.870 cd/lm onents:	30° 30° 30° 30° 30° 30° 30° 30° 30° 30°	95°
CUMIL LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-22	LUXEON CoB 1211 63.0° 89 % 0.970 cd/lm		94 95 95
CUMIL LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-22	LUXEON CoB 1216/1812 63.0° 89 % 0.920 cd/lm		91 ³
NICHIA LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-2	COB L-Type (LES 11) 51.0° 88 % 1.200 cd/lm		5°



EFWHM Efficiency Peak intensity Required com TE: 2213382	COB L-Type (LES 11) 53.0° 89 % 1.200 cd/lm	34 37 37 37 37 37 37 37 37 37 37 37 37 37
OSRAN LED FWHM Efficiency Peak intensity Required com F13671_AN TE: 2213130	PrevaLED Core Z4 LES19 64.0° 86 % 0.900 cd/Im ponents: GE-RZ-LENS	20 00 00 90 ⁴
OSRAN LED FWHM Efficiency Peak intensity Required com TE: OPTIC 0	PrevaLED Core Z4 LES19 62.0° 89 % 1.000 cd/lm	20° 00 00° 0° 00° 0° 00° 0° 00° 0° 0° 0° 0° 0
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity Required com TE: 2213254		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2



OSRAM Opto Semiconductors		50° 50°
LED	Soleriq S13 Gen2	73.
FWHM	56.0°	
Efficiency	88 %	60 ⁵ 60 ⁵
Peak intensity	1.100 cd/lm	X A A A A A
Required comp		25° 0° 5° 5° 0° 5°
OSRAM Opto Semiconductors		90 ⁴
LED	Soleriq S19	75
FWHM	65.0°	200
Efficiency	85 %	60* 60*
Peak intensity	0.860 cd/lm	
Required comp	oonents:	ga
F13671_ANC	GE-RZ-LENS	
TE: 2213407	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	200
		30° 0° 15° 0°
OSRAM Opto Semiconductors		90° 90°
LED	Soleriq S19	75*
FWHM	63.0°	
	63.0° 89 %	get (6)
FWHM	89 %	en ² en
FWHM Efficiency	89 % 1.000 cd/lm	g ⁴
FWHM Efficiency Peak intensity Required comp	89 % 1.000 cd/lm	9 ¹ 60 9 ² 60 90
FWHM Efficiency Peak intensity Required comp	89 % 1.000 cd/lm ponents:	
FWHM Efficiency Peak intensity Required comp	89 % 1.000 cd/lm ponents:	
FWHM Efficiency Peak intensity Required comp TE: 2213407	89 % 1.000 cd/lm ponents: -2 + OPTIC CLIP Z50 TYPE1 2213194-1	
FWHM Efficiency Peak intensity Required comp TE: 2213407	89 % 1.000 cd/lm ponents: -2 + OPTIC CLIP Z50 TYPE1 2213194-1	
FWHM Efficiency Peak intensity Required comp TE: 2213407	89 % 1.000 cd/lm ponents: -2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 Standard	
FWHM Efficiency Peak intensity Required comp TE: 2213407 PHILLE FWHM	89 % 1.000 cd/lm ponents: 7-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 Standard 62.0°	
FWHM Efficiency Peak intensity Required comp TE: 2213407 PHILLP LED FWHM Efficiency	89 % 1.000 cd/lm bonents: 7-2 + OPTIC CLIP Z50 TYPE1 2213194-1 PS Fortimo SLM L15 Standard 62.0° 89 %	
FWHM Efficiency Peak intensity Required comp TE: 2213407 PHILLIC LED FWHM Efficiency Peak intensity	89 % 1.000 cd/lm ponents: -2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 Standard 62.0° 89 % 1.000 cd/lm	
FWHM Efficiency Peak intensity Required comp TE: 2213407 PHILLE ED FWHM Efficiency Peak intensity Required comp	89 % 1.000 cd/lm ponents: -2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 Standard 62.0° 89 % 1.000 cd/lm	
FWHM Efficiency Peak intensity Required comp TE: 2213407 PHILLE ED FWHM Efficiency Peak intensity Required comp	89 % 1.000 cd/lm ponents: 7-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 Standard 62.0° 89 % 1.000 cd/lm ponents:	
FWHM Efficiency Peak intensity Required comp TE: 2213407 PHILLE FWHM Efficiency Peak intensity Required comp	89 % 1.000 cd/lm ponents: 7-2 + OPTIC CLIP Z50 TYPE1 2213194-1 S Fortimo SLM L15 Standard 62.0° 89 % 1.000 cd/lm ponents:	



SAMSU LED FWHM Efficiency Peak intensity Required compo TE: 2213382-	LC040C 53.0° 89 % 1.200 cd/lm	
SEQUE		
seoul semiconductor LED FWHM Efficiency Peak intensity Required compo Optosource: \$	onents:	
SEOUL SEMICONDUCTOR		90*
LED	AC Zhaga COB	75
FWHM	71.0°	
Efficiency	85 %	
Peak intensity		400
Required compo		
F13671_ANG Optosource: \$		20 ¹ 20 ¹ 20 ¹ 20
TRIDON	IC	90°
LED	SLE G1 11mm 1000lm 927 Sunset R EXC	75 75
FWHM	62.0°	
Efficiency	86 %	60° 60'
Peak intensity	0.980 cd/lm	
Required compo		\$*\$
F13671_ANG TE: 2213254-	E-RZ-LENS 2 + OPTIC CLIP Z50 TYPE1 2213194-1	909 34 ⁴ 35



TRIDON		50° 50°
LED FWHM Efficiency Peak intensity Required comp F13671_ANC	SLE G1 15mm 2000lm 927 Sunset R EXC 65.0° 86 % 0.910 cd/lm onents:	20 20 20 20 20 20 20 20 20 20
LED FWHM Efficiency Peak intensity Required comp TE: OPTIC C	WU-M-484 56.0° 89 % 1.100 cd/lm	20° 100 100 100 100 100 100 100 100 100 1
XICATC LED FWHM Efficiency Peak intensity Required comp C16491_XTM	XIM - 19mm LES 66.0° 90 % 0.920 cd/lm	200 pr 70



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		50° 50°
LED	V13 Gen7	72
FWHM	51.0°	
Efficiency	90 %	
Peak intensity	1.290 cd/lm	
Required compon	ents:	9 ⁻ 00 0
C13658_CLAMP-VERO13-18		
Bender Wirth: 4	77 Typ L1	1200
		30 ⁴ 30 ⁷ 0 ⁴ 30 ⁷
bridgelux.		59*
LED	V22 Gen7	7
FWHM	55.0°	
Efficiency	94 %	
Peak intensity	1.345 cd/lm	
Required components:		9 ⁵ 800 65
IDEAL: 50-2204	-CT + 50-2100AN	
		30- 127 0- 127 0-



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