

ANGELETTE-WAS

Asymmetric wall-washer beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 97.2 x 83.4 mm
Height	84.1 mm
Fastening	socket
Colour	metal
Box size	480 x 280 x 300 mm
Box weight	5.4 kg
Quantity in Box	90 pcs
ROHS compliant	yes 🛈



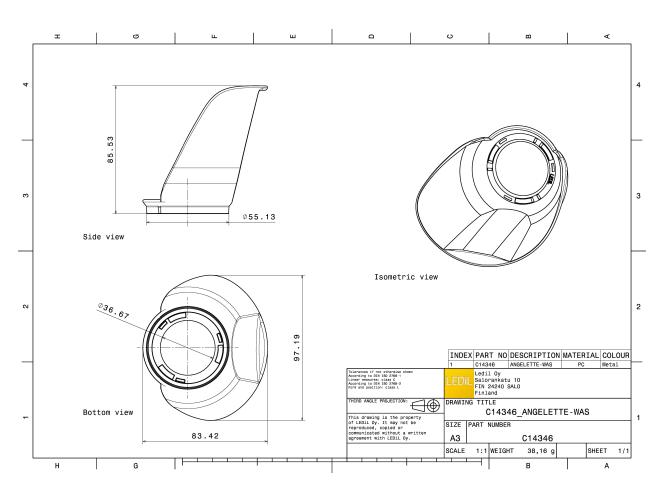
PRODUCT DATASHEET C14346_ANGELETTE-WAS

MATERIAL SPECIFICATIONS:

Component		
ANGELETTE-WAS		

Type Reflector **Material** PC Colour metal Coating lacquer





PRODUCT DATASHEET



bridgelux.		and the second se	50 ⁴
LED	V10 Gen7		73*
FWHM	Asymmetric		
Efficiency	90 %		60* / · · · · · · · · · · · · · · · · · ·
Peak intensity	1.200 cd/lm		
Required comp	oonents:		gr* 63*
C13658_CLA	AMP-VERO13-18		
Bender Wirth	а: 434 Тур L1		
			30° 25° 31°
bridgelux.			90*
LED	V13 Gen7		75*
FWHM	Asymmetric		400
Efficiency	91 %		go*-
Peak intensity			
Required comp			65° 65°
TE: 2213254	-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
			120
			30° 30° 30°
bridgelux.			90°
LED	V15 Gen6		73.
FWHM	Asymmetric		
Efficiency	93 %		60* 60*
Peak intensity	1.300 cd/lm		
Required comp	oonents:		5°* - 800 - 62*
C13658_CLA	AMP-VERO13-18		
Bender Wirth	1: 456 Typ L2		1220
			30° 30° 30°
bridgelux.			90 ⁴
LED	V22 Gen6		75
FWHM	Asymmetric		
Efficiency	88 %		60*
Peak intensity			
Required comp			5°. 000
IDEAL: 50-22	204-CT + 50-2100AN		
			30° 30° 30°
L			· · · · · · · · · · · · · · · · · · ·

PRODUCT DATASHEET



bridgelux.		90° 90°
LED	Vero SE 13	13. 25.
FWHM	Asymmetric	
Efficiency	91 %	60 ⁴
Peak intensity	1.200 cd/lm	
Required comp	onents:	er
C16402_CLA	MP-VEROSE-13-18	
		30* 1220 30* 30*
bridgelux.		90°
LED	Vero SE 18	75. 75.
FWHM	Asymmetric	
Efficiency	91 %	69* 69* 69*
Peak intensity	1.100 cd/lm	
Required comp	onents:	er e.
C16402_CLA	MP-VEROSE-13-18	
		30° <u>1290</u> 30° 15° 0° 15°
bridgelux.		50° 50°
LED	VERO13	75'
FWHM	Asymmetric	
Efficiency	92 %	eg*
Peak intensity	1.200 cd/lm	
Required comp	onents:	97° - 000
C13658_CLA	MP-VERO13-18	
		364 34 34 34 4 34 4 34 4 34 4 34 4 34 4
bridgelux.		50* 99*
LED	VERO18	75.
FWHM	Asymmetric	
Efficiency	94 %	60 ⁵ 60 ²
Peak intensity	1.200 cd/lm	\times
Required comp	onents:	5°
C13658_CLA	MP-VERO13-18	
		30%
		15° 0° 15°



bridgelux. LED FWHM Efficiency Peak intensity Required comp C13584_CLA		
bridgelux.		50* 30*
LED FWHM Efficiency Peak intensity Required comp	onents: MP-VERO29	31, 50, 12, 96, 12, 96, 12, 96, 12, 96, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12
CITIZE	N	
LED FWHM Efficiency Peak intensity Required comp	CLL03x/CLU03x Asymmetric 91 % 1.400 cd/lm	32, 6, 13, we 6, 10, 6, 6, 6, 6, 60, 6, 6, 6, 13, 60, 6, 15, 15, 13, 60, 6, 15, 15, 13, 60, 6, 15, 15, 13, 60, 6, 15, 15,
CITIZE LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-21	CLL03x/CLU03x Asymmetric 92 % 1.500 cd/lm	9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 9 ³ 150 150 150 150 150 150 150 150

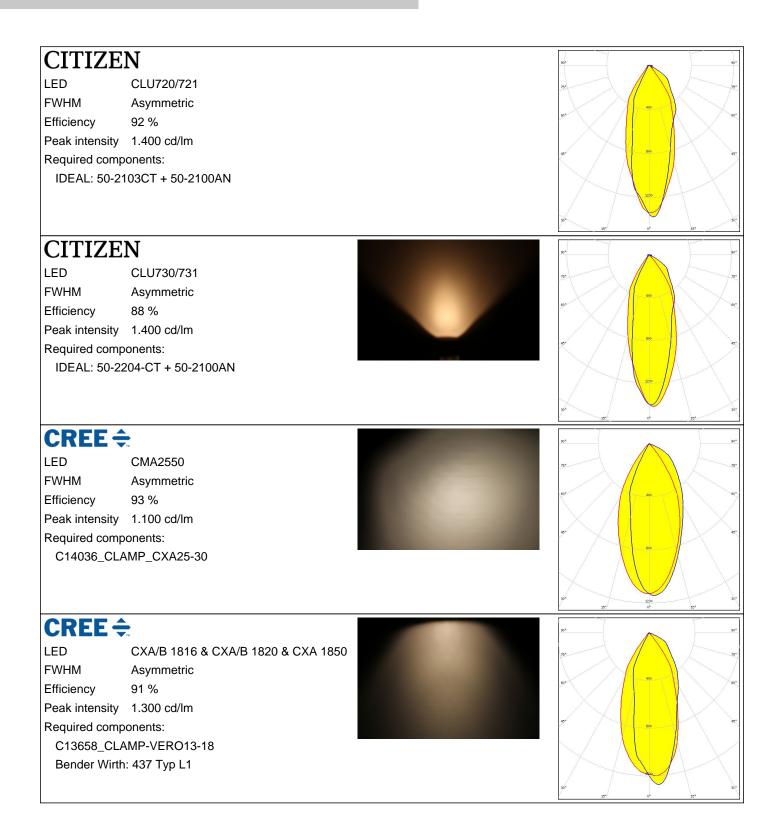
PRODUCT DATASHEET C14346_ANGELETTE-WAS



CITIZE	NT		7
CITIZE			90* 90
LED	CLL04x/CLU04x		73.
FWHM	Asymmetric		400
Efficiency	88 %		
Peak intensity			
Required comp		No. of Concession, Name	42*
IDEAL: 50-2	204-CT + 50-2100AN		
			30° 35° 35°
CITIZE	Ν		90* 99
LED	CLL04x/CLU04x		75'
FWHM	Asymmetric		
Efficiency	91 %		600 60
Peak intensity	1.300 cd/lm		
Required comp	ponents:		45° 65
C13584_CL	AMP-VERO29		
Bender Wirth	n: 431 Typ L3		
			30° 30° 35°
CITIZE	N		904 99
LED	CLU700/701		70*
FWHM	Asymmetric		
Efficiency	92 %		60* 60
Peak intensity	1.400 cd/lm		
Required comp			43 ⁴ 42
	AMP-VERO13-18		
Bender Wirth	n: 434 Typ L1		429
			30° 13° 0° 35°
CITIZE	N		50 ⁴ 50
LED	CLU720/721		
FWHM	Asymmetric		
Efficiency	93 %		600 60
Peak intensity	1.300 cd/lm		
Required comp			45* 000 at
	I-2 + OPTIC CLIP Z50 TYPE1 2213194-1		
			2200
			»· / · · · ·
			15° 0° 15°

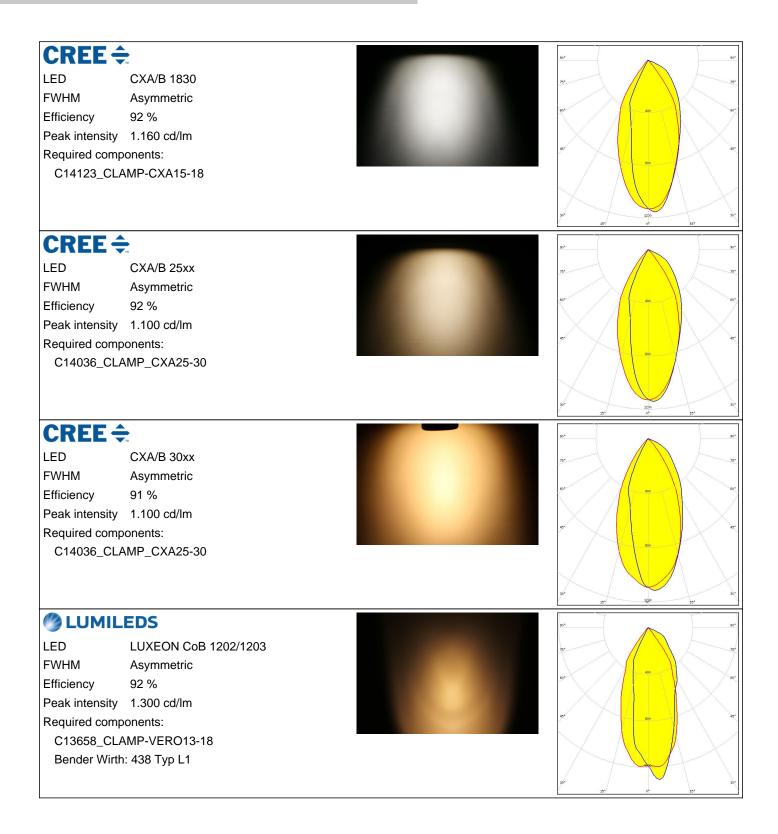


PHOTOMETRIC DATA (MEASURED):



Last update: 31/01/2017Subject to change without prior noticePublished: 02/05/2018LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.7/20





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CUMIL LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-2	LUXEON CoB 1208 Asymmetric 89 % 1.400 cd/Im	
UMIL	EDS	
LED FWHM Efficiency Peak intensity Required comp TE: 2213130	LUXEON CoB 1208 Asymmetric 91 % 1.400 cd/Im ponents:	77 64 67 77 77 80 80 80 80 80 80 80 80 80 80 80 80 80
	EDS	90 ⁴ 90
LED FWHM Efficiency Peak intensity Required comp C13584_CL/	LUXEON CoB 1211 Asymmetric 92 % 1.300 cd/lm	
LUMIL	EDS	90* 90
LED FWHM Efficiency Peak intensity Required comp	LUXEON CoB 1211 Asymmetric 88 % 1.300 cd/Im	2 ¹ 0 ¹ 20 20 20 20 20 20 20 20 20 20



PHOTOMETRIC DATA (MEASURED):

COMIL	EDS	90°
LED	LUXEON CoB 1216/1812	75
FWHM	Asymmetric	
Efficiency	89 %	60
Peak intensity	1.200 cd/lm	
Required comp		45× 000
IDEAL: 50-22	204CT + 50-2100LN	
		30%
	NUS	90 ⁴
LED	CDM-14 (Dim-To-Warm)	75
FWHM	Asymmetric	
Efficiency	91 %	60 ¹
Peak intensity	1.200 cd/lm	
Required comp	oonents:	g.
C13658_CLA	AMP-VERO13-18	
Bender Wirth	n: 491 Typ L2	
		30° 1200 0° 130
	INUS	90°
LED	CDM-14 (Dim-To-Warm)	75
FWHM	Asymmetric	
Efficiency	87 %	605
Peak intensity	1.000 cd/lm	
Required comp	ponents:	
C13658_CLA	AMP-VERO13-18	
F13671_AN0	GE-RZ-LENS	
Bender Wirth	n: 491 Typ L2	30 ⁶ 25 ⁵ 0 ⁶ 35 ⁵
	INUS	99*
LED	CDM-18 (Dim-To-Warm)	77
FWHM	Asymmetric	
Efficiency	92 %	60 ⁵⁻¹
Peak intensity	1.150 cd/lm	
Required comp		2 ⁵⁷
	AMP-VERO13-18	
Pondor Minth	n: 491 Typ L2	
Dender wittr	- 51	
		30 ¹⁶ 1230 int

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	NUS	90° 90°
LED	CDM-18 (Dim-To-Warm)	75°
FWHM	Asymmetric	
Efficiency	87 %	60°
Peak intensity	1.000 cd/lm	
Required comp	oonents:	5°.
C13658_CLA	AMP-VERO13-18	
F13671_ANC	GE-RZ-LENS	
Bender Wirth	n: 491 Typ L2	34° 23° 0° 35° 36°
() LUMI	NUS	90 ⁴
LED	CDM-9 (Dim-To-Warm)	75.
FWHM	Asymmetric	
Efficiency	85 %	60° 60°
Peak intensity	1.200 cd/lm	
Required comp	oonents:	9°
C13658_CLA	AMP-VERO13-18	
F13671_ANC	GE-RZ-LENS	
Bender Wirth	n: 490 Typ L1	30° <u>1290</u> 30° 30°
	NUS	90 ⁴
LED	CDM-9 (Dim-To-Warm)	75
FWHM	Asymmetric	
Efficiency	90 %	00* 00*
Peak intensity	1.300 cd/lm	
Required comp	oonents:	57× 600 64°
C13658_CLA	AMP-VERO13-18	
Bender Wirth	n: 490 Typ L1	
		36 ⁶ 25 ⁵ 0 ⁶ 35 ⁵
	NUS	90° 90°
LED	CTM-14 (Tunable White)	73.
FWHM	Asymmetric	
Efficiency	92 %	
Peak intensity	1.200 cd/lm	
Required comp	oonents:	5°°
C13584_CLA	AMP-VERO29	
Bender Wirth	n: 442 Typ L3	
		300 300
		15° 0° 15°



	NUS	90°
LED	CTM-14 (Tunable White)	75 75
FWHM	Asymmetric	
Efficiency	87 %	90° - 400
Peak intensity	1.100 cd/lm	
Required comp	oonents:	ar
C13584_CLA	MP-VERO29	
F13671_ANC	GE-RZ-LENS	
Bender Wirth	n: 442 Typ L3	36° 125 0° 350
	NUS	90 ⁴
LED	CTM-22 (Tunable White)	75 75
FWHM	Asymmetric	
Efficiency	90 %	400
Peak intensity	1.160 cd/lm	
Required comp	oonents:	52°
C13584_CLA	AMP-VERO29	
Bender Wirth	i: 494 Typ L3	\times / \times / \times
		30 ⁴ 1200 30 ⁴
ØNICHI		90° 90°
LED	COB J-Type	750
FWHM	Asymmetric	
Efficiency	89 %	60× 602
Peak intensity	1.500 cd/lm	
Required comp	oonents:	er
IDEAL: 50-21	103NC + 50-2100AN	2220
		30° 300 30° 30°
<i>∕</i> <i>∕</i> NICHI		90° 90°
LED	COB J-Type	75'
FWHM	Asymmetric	
Efficiency	92 %	9 ⁴
Peak intensity	1.300 cd/lm	
Required comp	oonents:	5°
C13658_CLA	MP-VERO13-18	
Bender Wirth	i: 463 Typ L2	
		36* 30
		15° 0° 15°



ØNICHIA		90*
LED	COB L-Type (LES 11)	75
FWHM	Asymmetric	
Efficiency	91 %	60,0
Peak intensity	1.300 cd/lm	
Required comp	onents:	95° - 65
C13658_CLA	MP-VERO13-18	
Bender Wirth	438 Typ L1	
		30 ⁴ 35 ⁵ 0 ⁶ 25 ⁵
ØNICHIA		90° 90'
LED	COB L-Type (LES 11)	75
FWHM	Asymmetric	400
Efficiency	93 %	60.0 60.
Peak intensity	1.500 cd/lm	
Required comp	onents:	9° 65
TE: 2213382	2 + OPTIC CLIP Z50 TYPE1 2213194-1	1220
		30° 30'
ØNICHIA		90*
LED	COB L-Type (LES 11)	
FWHM	Asymmetric	400
Efficiency	90 %	60.8
	1.500 cd/lm	
Required comp	onents:	er
IDEAL: 50-21	00NC + 50-2100AN	
		1200
		30° 35° 40° 36
ØNICHIA		90 ⁴ 90 ¹
LED	COB L-Type (LES 9)	75'
FWHM	Asymmetric	
Efficiency	93 %	60*
Peak intensity		
Required comp		63 ⁴
	MP-VERO13-18	
Bender Wirth	438 Typ L1	
		1200
		30° 30



00041		
OSRAN LED FWHM Efficiency Peak intensity Required comp TE: OPTIC C	PrevaLED Core Z4 LES19 Asymmetric 91 % 1.400 cd/lm	27 27 29 29 29 29 29 29 29 29 29 29
OSRAM		20° 15° 0° 15°
opto Semiconductors LED FWHM Efficiency Peak intensity Required comp TE: 2213401		5 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6
OSRAM		90 ⁴
		20 20 20 20 00 00 00 00 00 00
OSRAM Opto Semiconductors		90 ⁴
LED FWHM Efficiency Peak intensity Required comp IDEAL: 50-2		25 60 60 120 120 120 120 120

PRODUCT DATASHEET



OSRAM Opto Semiconductors			90* 90*
LED	Soleriq S13 Gen2		
FWHM	Asymmetric		400
Efficiency	91 %		Gat Not
Peak intensity	1.300 cd/lm		
Required comp	onents:		
	-2 + OPTIC CLIP Z50 TYPE1 2213194-1		35° 6° 55° X°
OSRAM Opto Semiconductors			90° 90°
LED	Soleriq S19		75
FWHM	Asymmetric		
Efficiency	91 %		60* 60*
Peak intensity	1.300 cd/lm		
Required comp	onents:		45° 650 63*
C13584_CLA	MP-VERO29		
Bender Wirth	: 462 Typ L3		1230
			360 307 00 257 30
OSRAM Opto Semiconductors			90* 90*
LED	Soleriq S19		73
FWHM	Asymmetric		409
Efficiency	93 %		69*
Peak intensity	1.400 cd/lm		
Required components:			er
TE: 2213407	-2 + OPTIC CLIP Z50 TYPE1 2213194-1		120
			34 25 00 25 25
PHILIP	S		90*
LED	Fortimo SLM L09 Standard		73
FWHM	Asymmetric		
Efficiency	91 %		60, 65,
Peak intensity	1.360 cd/lm		
Required comp	onents:		65° 63°
TE: OPTIC C	LIP Z50 TYPE1 2213194-1		line line

PRODUCT DATASHEET



FWHM Astronuction Efficiency 9'' Peak intensity 1. Required component TE: OPTIC CLIF DHILLIPS Efficiency LED For FWHM Astronuction Efficiency 90 Peak intensity 1.	ortimo SLM L13 Standard symmetric 1 % 420 cd/lm ents: P Z50 TYPE1 2213194-1 ortimo SLM L15 Standard symmetric 0 % 350 cd/lm	
Efficiency 97 Peak intensity 1. Required component TE: OPTIC UIF	1 % 420 cd/lm ents: P Z50 TYPE1 2213194-1 ortimo SLM L15 Standard symmetric 0 % 350 cd/lm ents:	
Peak intensity 1. Required component TE: OPTIC CLIF	420 cd/lm ents: P Z50 TYPE1 2213194-1 ortimo SLM L15 Standard symmetric 0 % 350 cd/lm ents:	
Required component TE: OPTIC CLIF	ents: P Z50 TYPE1 2213194-1 ortimo SLM L15 Standard symmetric 0 % 350 cd/Im ents:	
TE: OPTIC CLIF PHILIPS LED Fo FWHM As Efficiency 90 Peak intensity 1.	P Z50 TYPE1 2213194-1 ortimo SLM L15 Standard symmetric 0 % 350 cd/lm ents:	
LED For FWHM Ass Efficiency 90 Peak intensity 1.	ortimo SLM L15 Standard symmetric 0 % 350 cd/Im ents:	
FWHM A: Efficiency 90 Peak intensity 1.	symmetric 0 % 350 cd/lm ents:	
Efficiency 90 Peak intensity 1.	0 % 350 cd/lm ents:	40 64 69 60 60 60 60
Peak intensity 1.	350 cd/lm ents:	a
	ents:	a
Required compone	P Z50 TYPE1 2213194-1	
TE: OPTIC CLIF		
		I.M
PHILIPS		- <u>335</u> <u>0</u> <u>35</u> , <u>7</u>
	ortimo SLM L19 Standard	
	symmetric	
	8 %	60°
Peak intensity 1.		
Required compone		97* <u>860</u> et
	P Z50 TYPE1 2213194-1	
SAMSU	NG	 99 ⁴
	C040C	75
	symmetric	
Efficiency 9'	1 %	60.
Peak intensity 1.	400 cd/lm	
Required compone	ents:	
TE: 2213382-2 -	+ OPTIC CLIP Z50 TYPE1 2213194-1	

PRODUCT DATASHEET



seoul SEMICONDUCTOR LED FWHM Efficiency Peak intensity Required comp TE: 2213254		20° 0° 0° 0° 20° 0° 0° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0°
seoul semiconductor LED FWHM Efficiency Peak intensity Required comp C13584_CLA Bender Wirth	onents: AMP-VERO29	21, 12,0 12, 21, 12,0 12, 41, 12,0 42, 42, 40, 40, 40, 43, 40, 40, 40, 40, 44, 40, 40, 40, 40, 40, 40, 40, 40, 40,
Required comp	WU-M-484 Asymmetric 88 % 1.400 cd/lm	27° 60° 57° (1700 - 17

PRODUCT DATASHEET C14346_ANGELETTE-WAS



PHOTOMETRIC DATA (SIMULATED):

bridgelux.		90* 90*
LED	V10 Gen7	33
FWHM	Asymmetric	400
Efficiency	92 %	60* 60*
Peak intensity	1.310 cd/lm	
Required compone	ents:	62° 62°
C13658_CLAMF	P-VERO13-18	
Bender Wirth: 43	34 Typ L1	
		34 ⁴ 30 ⁴ 30 ⁴
bridgelux.		90° 90°
LED	V13 Gen7	73*
FWHM	Asymmetric	- 400
Efficiency	92 %	69* 60*
Peak intensity	1.600 cd/lm	
Required compone	ents:	gr et
IDEAL: 50-2103	CT + 50-2100AN	320
		340 34
1		10 V 40
bridgelux.		90° 90°
bridgelux. LED	V13 Gen7	94 ⁴ 95 ⁴ 97
	V13 Gen7 Asymmetric	
LED		
LED FWHM	Asymmetric	60°
LED FWHM Efficiency	Asymmetric 92 % 1.330 cd/lm	2. <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u> <u>10</u>
LED FWHM Efficiency Peak intensity	Asymmetric 92 % 1.330 cd/lm ents:	Di 0 10 W* W W W W* W
LED FWHM Efficiency Peak intensity Required compone	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47 bridgetux. LED FWHM	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1 V22 Gen7 Asymmetric	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47 bridgelux. LED FWHM Efficiency	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1 V22 Gen7 Asymmetric 94 % 1.248 cd/lm	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47 bridgelux. LED FWHM Efficiency Peak intensity	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1 V22 Gen7 Asymmetric 94 % 1.248 cd/lm ents:	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47 bridgetux. LED FWHM Efficiency Peak intensity Required compone	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1 V22 Gen7 Asymmetric 94 % 1.248 cd/lm ents: P-VERO29	
LED FWHM Efficiency Peak intensity Required compone C13658_CLAMF Bender Wirth: 47 bridgelux. LED FWHM Efficiency Peak intensity Required compone C13584_CLAMF	Asymmetric 92 % 1.330 cd/lm ents: P-VERO13-18 77 Typ L1 V22 Gen7 Asymmetric 94 % 1.248 cd/lm ents: P-VERO29	



PHOTOMETRIC DATA (SIMULATED):

TRIDON	C	90 ⁴ 90 ⁴
LED	SLE G6 LES15	75*
FWHM	Asymmetric	
Efficiency	91 %	60°-
Peak intensity	1.400 cd/lm	
Required components:		er
TE: 2213254-2	+ OPTIC CLIP Z50 TYPE1 2213194-1	34 ⁶ 12 ⁵ 4 ⁶ 12 ⁵ X.
TRIDON	C	90 ⁴
LED	SLE G6 LES17	75'
FWHM	Asymmetric	
Efficiency	88 %	60 ⁺
Peak intensity	1.280 cd/lm	
Required components:		Sr
TE: 2213254-2	+ OPTIC CLIP Z50 TYPE1 2213194-1	20° 0° 13°

PRODUCT DATASHEET C14346_ANGELETTE-WAS



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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