

ANGELETTE-WW-PLAIN

~60° wide beam. Clean appearance with no additional attachment interface.

SPECIFICATION:

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
ROHS compliant	yes 🛈

MATERIALS:

Component	Туре	Material
ANGELETTE-WW-PLAIN	Reflector	PC



Colour	Finish	Coating
metal		HMDS

ORDERING INFORMATION:

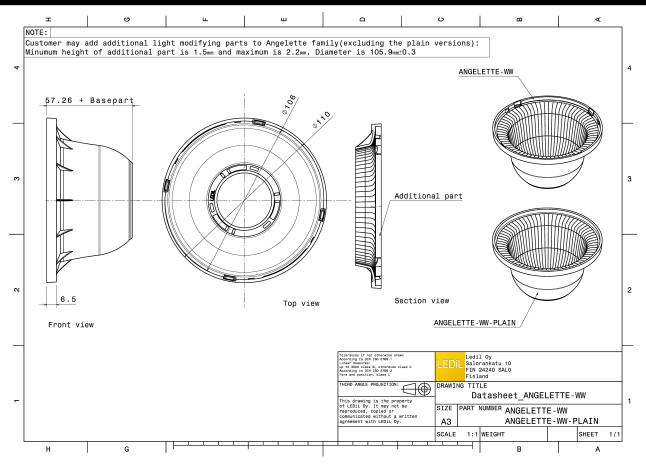
Component

F14622_ANGELETTE-WW-PLAIN

» Box size: 398 x 298 x 265 mm

Qty in box	MOQ	MPQ	Box weight (kg)
120	90	30	5.3





See also our general installation guide: <u>www.ledil.com/installation_guide</u>



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bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F13671_ANGE-F TE Connectivity:		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen TE Connectivity:	V13 Gen7 59.0° / 80.0° 90 % 1.1 cd/lm 1 White nts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	200 100 201 00 00 00 00 00 00 00 00 00 00
bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen IDEAL: 50-2204-	V22 Gen6 63.0° / 83.0° 89 % 0.9 cd/lm 1 White nts: -CT + 50-2100AN	25° 200 25° 200 25° 200 40° 200 40° 200 400 400 400 400 400 400 400 400 400
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen F13671_ANGE-F IDEAL: 50-2204-		



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bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen C13658_CLAMP		90° 37° 60° 60° 60° 60°
bridgelux. LED FWHM / FWTM Efficiency	VERO18 66.0° / 84.0° 89 %	200 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required componen C13658_CLAMP		57 660 67
bridgelux. LED	VERO29	90 ⁶ 30 ⁷ 10 ⁹ 30 ⁴
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	69.0° / 94.0° 85 % 0.7 cd/m 1	20 20 20 20 20 20 20
Light colour Required componen C13584_CLAMP F13671_ANGE-F	-VERO29	25°
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	VERO29 68.0° / 89.0° 90 % 0.8 cd/lm 1	90 ⁴ 97 98 98 99 90 90 90 90 90 90 90 90 90 90 90 90
Light colour Required componen C13584_CLAMP		5°* 600 30° 50° 0° 15° 60°



bridgelux.		99 ⁴
LED	Vesta TW 15mm DP	
FWHM / FWTM	65.0° / 82.0°	
Efficiency	89 %	en e
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	
Required compone	ents:	
C13658_CLAM	P-VERO13-18	
Bender Wirth: 4	82 Typ L2	
		20 ⁴ 20 ⁴ 20 ⁴
bridgelux.		
LED	Vesta TW 15mm DP	
FWHM / FWTM	66.0° / 86.0°	23.
Efficiency	84 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	ar ar
Required compone	ents:	
C13658_CLAM	P-VERO13-18	
F13671_ANGE-	RZ-LENS	
Bender Wirth: 4		
		253 Og 252
bridgelux.		99 ⁴
LED	Vesta TW 18mm (31W) DP	87
FWHM / FWTM	67.0° / 88.0°	
Efficiency	84 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	er de la companya de
Required compone	ents:	
C13584_CLAM	P-VERO29	
F13671_ANGE-	RZ-LENS	
Bender Wirth: 4	83 Typ L3	20 ⁴ 20 ⁷ 20 ⁴
bridgelux.		91 ⁴ 91 ⁴
LED	Vesta TW 18mm (31W) DP	
FWHM / FWTM	66.0° / 83.0°	
Efficiency	89 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	gr A
Required compone	ents:	
C13584_CLAM		
Bender Wirth: 4		
		30" 32"
1		199



bridgelux.		90* 90*
LED	Vesta TW 22mm DP	
FWHM / FWTM	65.0° / 83.0°	200
Efficiency	88 %	60*
Peak intensity	0.9 cd/lm	400
LEDs/each optic	1	
Light colour	Tunable White	45" 45"
Required component	ts:	
C13584_CLAMP-	VERO29	
Bender Wirth: 494	I Тур L3	
		30° 30° 30°
bridgelux.		90° 90°
	Vesta TW 22mm DP	
	66.0° / 88.0°	75*
	84 %	
	0.8 cd/lm	60° × 10°
-	1	400
	Tunable White	45* 65*
Required component	ts:	
C13584_CLAMP-		
F13671_ANGE-R		
Bender Wirth: 494		204
		15° 0° 35°
CITIZEI	N	90 ⁴
CITIZE	N CLL03x/CLU03x	90° 90° 90°
		20° 0° 20°
CITIZEI LED FWHM/FWTM	CLL03x/CLU03x	22 ¹ 0 ¹ 22 ¹
CITIZED LED FWHM / FWTM Efficiency	CLL03x/CLU03x 61.0° / 81.0°	122 0 ¹ 122 90* 90* 90* 90* 90* 90* 90* 90*
CITTIZED LED FWHM / FWTM Efficiency Peak intensity	CLL03x/CLU03x 61.0° / 81.0° 89 %	60 60 90* 60 90* 90* 90*
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm	22 ⁻ 00
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White	23 ¹ 60 ¹ 70 ² 10
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White	gr 60 80 90* 90 90*
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts:	32 40 84 32 40 84 32 40 84
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts:	20° 20° 20° 20° 20° 20° 20° 20°
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
CITTIZED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
CITTIZED EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZED LED	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x	
CITTIZED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZED LED FWHM / FWTM	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0°	
CITTIZED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZED LED FWHM / FWTM Efficiency	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 %	
CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZEI LED FWHM / FWTM Efficiency Peak intensity	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 % 1.1 cd/lm	
CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 % 1.1 cd/lm 1	
CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 % 1.1 cd/lm 1 White	
CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component TE Connectivity: 2 CITTIZEI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLL03x/CLU03x 61.0° / 81.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1 N CLL03x/CLU03x 59.0° / 80.0° 89 % 1.1 cd/lm 1 White ts: 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	



CITIZE	N		90 ⁴ 99 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	CLL04x/CLU04x 63.0° / 83.0° 89 % 0.9 cd/lm 1 White		200 100 100 100 100 100 100 100 100 100
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2204	CLU730/731/733 57.0° / 79.0° 89 % 1.1 cd/lm 1 White		20° 120° 120° 120° 120° 120° 120° 120° 1
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAMF			24 24 25 25 25 25 25 25 25 25 25 25
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone C14123_CLAME F13671_ANGE-	P-CXA15-18		25 ⁵ 0 ⁷ 0 ⁷



		50* 50*
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	63.0° / 85.0°	75*
Efficiency	86 %	
Peak intensity	1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	' White	45* 45*
Required compone		
F13671_ANGE-		
	: 2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		30-
		 15% 0° 15%
		90° 90°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	64.0° / 83.0°	
Efficiency	90 %	60 ⁺ 60 ⁺
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	43. 43.
Required compone	ents:	
C14123_CLAM	P-CXA15-18	
		360 170 00 170 360
CREE ≑		50° 50°
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	68.0° / 89.0°	73. 75.
Efficiency	86 %	
Peak intensity	0.8 cd/lm	60*
LEDs/each optic	1	40
Light colour	White	95* 95+
Required compone	ents:	
C14123_CLAM		
F13671_ANGE-		
		30* 30*
CREE ≑		2 15 ⁵ 0 ⁵ 35 ⁵
LEDS		90* 90*
LED	CXA/B 1816 & CXA/B 1820 & CXA 1850	75* 75*
FWHM / FWTM	58.0° / 80.0°	
Efficiency	90 %	69* 69*
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	5°
Light colour	White	
Required compone		
TE Connectivity	2213401-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		36° 1220 10° 10°
		10 0. 10.



CREE ≑			
LEDS			90° 90°
LED	CXA/B 25xx		Nº
FWHM / FWTM	67.0° / 90.0°		200
Efficiency	85 %		60°
Peak intensity	0.8 cd/lm		
LEDs/each optic	1	100 C	440
Light colour	White		45"
Required compone	nts:		600
C14036_CLAMF	P_CXA25-30		
F13671_ANGE-I	RZ-LENS		
			36° 00° 35° 36°
		and the second se	<u>50*</u> <u>50*</u>
LED	CXA/B 25xx	and the second se	
FWHM / FWTM	65.0° / 84.0°		75' 200
Efficiency	89 %		
Peak intensity	0.9 cd/lm		460
LEDs/each optic	1		
Light colour	White		45"
Required compone	nts:		
C14036_CLAMF			
			36* 100 100 100 36*
			90 ⁴ 90 ⁴
LED	CXA/B 30xx		
FWHM / FWTM	67.0° / 91.0°		73' 75'
Efficiency	86 %		200
Peak intensity	0.8 cd/lm		60*
LEDs/each optic	1		400
Light colour	White		42* 42*
Required compone	nts:		
C14036_CLAMF			
C14036_CLAMF F13671_ANGE-I	P_CXA25-30		
	P_CXA25-30		500 500 500 500 500 500 500 500 500 500
F13671_ANGE-I	P_CXA25-30		90°
F13671_ANGE-I	P_CXA25-30 RZ-LENS		15 ⁷ 0 ⁸ 35 ⁹
F13671_ANGE-I	P_CXA25-30 RZ-LENS CXA/B 30xx		15 ⁷ 0 ⁸ 35 ⁹
F13671_ANGE-I	P_CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0°		225 0 22 2
F13671_ANGE-I	P_CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 %		225 0 22 2
F13671_ANGE-I	P_CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 % 0.9 cd/lm		225 0 22 2
F13671_ANGE-I	P_CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 % 0.9 cd/lm 1		225 0 22 2
F13671_ANGE-I	P_CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 % 0.9 cd/lm 1 White		99 ⁴ 99 ³
F13671_ANGE-I	CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 % 0.9 cd/lm 1 White nts:		225 0 22 2
F13671_ANGE-I	CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 % 0.9 cd/lm 1 White nts:		225 0 22 2
F13671_ANGE-I	CXA25-30 RZ-LENS CXA/B 30xx 66.0° / 86.0° 90 % 0.9 cd/lm 1 White nts:		225 0 22 2



LUMIL	EDS	90* 90*
LED	LUXEON CoB 1208	
FWHM / FWTM	63.0° / 85.0°	200
Efficiency	84 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (
Required componer	nts:	
F13671_ANGE-F	RZ-LENS	
IDEAL: 50-2204-	CT + 50-2100AN	
		30° 0° 10° 30°
	EDS	90 ⁴ 90 ⁴
LED	LUXEON CoB 1208	
FWHM / FWTM	61.0° / 80.0°	73.
Efficiency	89 %	
Peak intensity	1.1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	97°
Required componer		
IDEAL: 50-21005		
		180 00
	EDS	90 ⁺ 90 ⁺
	EDS LUXEON CoB 1208	
-		200 200 200 200 200 200 200 200 200 200
LED	LUXEON CoB 1208	
LED FWHM / FWTM	LUXEON CoB 1208 64.0° / 86.0°	
LED FWHM / FWTM Efficiency	LUXEON CoB 1208 64.0° / 86.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White tts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White ts: tz: tz: tz: tz: tz: tz: tz: tz: tz: tz	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White tts: RZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White ts: tz: tz: tz: tz: tz: tz: tz: tz: tz: tz	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White tts: 22-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: 22-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: kZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0° 89 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0° 89 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0° 89 % 1.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0° 89 % 1.1 cd/lm 1 White hts: Substruct of the second	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer F13671_ANGE-F TE Connectivity:	LUXEON CoB 1208 64.0° / 86.0° 85 % 0.9 cd/lm 1 White hts: RZ-LENS 2213130-2 + OPTIC CLIP Z50 TYPE1 2213194-1 EDS LUXEON CoB 1208 61.0° / 81.0° 89 % 1.1 cd/lm 1 White hts: Substruct of the second	



Comparison Comparis	EDS		50° 50°
LED	LUXEON CoB 1211		
FWHM / FWTM	64.0° / 87.0°		75.
Efficiency	85 %		
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		400
Light colour	White		63*
Required compone	nts:		
F13671_ANGE-			
IDEAL: 50-2204	CT + 50-2100AN		200
			30° 15° 0° 15° 30°
	EDS		90* 90*
LED	LUXEON CoB 1211		
FWHM / FWTM	63.0° / 82.0°		75
Efficiency	89 %		
Peak intensity	1 cd/lm		400
LEDs/each optic	1		
Light colour	White		
Required compone	nts:		
IDEAL: 50-2204	CT + 50-2100AN		
			34'
	EDS		50° 50°
LED	LUXEON CoB 1213/1216/1812		
FWHM / FWTM	63.0° / 84.0°		200
Efficiency	89 %		
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		
Light colour	White		gr
Required compone	nts:		
IDEAL: 50-2204	CT + 50-2100AN		
			300 350 150 360
ØNICHI/			90° 90°
LED	COB L-Type (LES 11)	A DECEMBER OF THE OWNER	
FWHM / FWTM	51.0° / 77.0°		3.
Efficiency	88 %		400
Peak intensity	1.2 cd/lm		
LEDs/each optic	1		
Light colour	White		97 ⁴ 900
Required compone	nts:		
IDEAL: 50-2100	NC + 50-2100AN		
IDE/12.00 2100			
10E/12: 00 2100			
15E/1E. 00 2100			34- L00



ØNICHI/		2.000000	90° 92°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity	COB L-Type (LES 11) 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: : 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1		30° 30° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity	PrevaLED Core Z4 LES19 62.0° / 81.0° 89 % 1 cd/lm 1 White		30° (15° (° (° (° (° (° (° (° (° (° (° (° (° (°
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- TE Connectivity	PrevaLED Core Z4 LES19 64.0° / 86.0° 86 % 0.9 cd/lm 1 White ents: RZ-LENS		39° 39° 39° 39° 39° 39° 39° 39°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone IDEAL: 50-2103	Soleriq S13 19x19 56.0° / 79.0° 88 % 1.1 cd/lm 1 White ents: CT + 50-2100AN		20° 12° 0° 32° 0° 30° 0° 400 0° 0° 400 0° 0° 6° 1° 6° 1° 6° 1° 6° 1° 6° 1° 6° 1° 6° 1° 6°



OSRAM		avé avé
opto stemiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity	Soleriq S13 19x19 56.0° / 80.0° 89 % 1.1 cd/lm 1 White ents: : 2213254-2 + OPTIC CLIP Z50 TYPE1 2213194-1	27 64 40 40 40 40 40 40 40 40 40 4
OSRAM		90* 90*
opto stemiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity	Soleriq S19 63.0° / 82.0° 89 % 1 cd/lm 1 White ents: : 2213407-2 + OPTIC CLIP Z50 TYPE1 2213194-1	27° 0° 25° 20° 60° 20° 20° 20° 20° 20° 20° 20° 20° 20° 2
OSRAM Opto Semiconductors		90 ⁶ 90 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE-		20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Fortimo SLM L15 + SLM holder 62.0° / 81.0° 89 % 1 cd/lm 1 White ents: : 2213134-2 + OPTIC CLIP Z50 TYPE1 2213194-1	30 12, 0, 12, 30 90 90 90 31 90 90 91 35 90 91 91



SΛMSL	JNG	90° 90'
LED	LC035T (Tunable white)	
FWHM / FWTM	65.0° / 84.0°	200
Efficiency	89 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	Tunable White	65° (5
Required compone	ents:	
C13584_CLAMF		
Bender Wirth: 50	02 Typ L3	
<u> </u>		155
SVWSI		90° 90'
LED	LC035T (Tunable white)	75
FWHM / FWTM	66.0° / 89.0°	200
Efficiency	84 %	60* 60
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	400
Light colour	Tunable White	5° 6
Required compone		
C13584_CLAMF		
F13671_ANGE-		
Bender Wirth: 50	02 Тур L3	30° 800 30'
SAMSI	JNG	90° 90'
LED	LC040C	
LED		77
LED FWHM / FWTM	LC040C	
LED FWHM / FWTM	LC040C 53.0° / 79.0°	
LED FWHM / FWTM Efficiency Peak intensity	LC040C 53.0° / 79.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White	27 - 23 (a
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White	77 7 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents:	27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents:	27- 27- 26- 26- 26- 26- 26- 26- 26- 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: : 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity:	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: : 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: seous semiconductor LED FWHM / FWTM	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 % 0.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: stout staticonductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White ents: 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 % 0.7 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE-	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White I 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 % 0.7 cd/lm 1 White I RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone TE Connectivity: stout staticonductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LC040C 53.0° / 79.0° 89 % 1.2 cd/lm 1 White I 2213382-2 + OPTIC CLIP Z50 TYPE1 2213194-1 AC Zhaga COB 71.0° / 92.0° 85 % 0.7 cd/lm 1 White I RZ-LENS	



SEOUL		
SEOUL SEMICONDUCTOR		50°
LED	AC Zhaga COB	75
FWHM / FWTM	70.0° / 87.0°	
Efficiency	89 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
Optosource: SE	:HSMJD-A	
		30 ⁶ 30 ⁶ 30 ⁶
	TING	20 ¹
LED	WU-M-484	
EED FWHM / FWTM	56.0° / 81.0°	
Efficiency	89 %	
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
	COPTIC CLIP Z50 TYPE1 2213194-1	
1 2 00111001111		
		30° 12° 1300 15°
XICATO	0	50*
LED	XIM - 19mm LES	
FWHM / FWTM	66.0° / 84.0°	
Efficiency	90 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	gr A
Required compone	ents:	
C16491_XTM-A		
		15"



OPTICAL RESULTS (SIMULATED):

bridgelux.		99* 99
LED	V13 Gen7	
FWHM / FWTM	51.0° / 79.0°	
Efficiency	90 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	47 ⁺ 00
Required component	s:	
C13658_CLAMP-	/ERO13-18	
Bender Wirth: 477	Typ L1	120
		30*
		(<u>157</u>) 0 ^h 15 ⁿ
bridgelux.		90*90
bridgelux. LED	V22 Gen7	90 ⁴ 90
	V22 Gen7 55.0° / 78.0°	20 ⁴ 20 21 ⁵ 22
LED		
LED FWHM / FWTM	55.0° / 78.0°	90* 90 75* 75 65* 600 60
LED FWHM / FWTM Efficiency	55.0° / 78.0° 94 %	90 ⁴ 90 73 ⁴ 73 60 ⁴ 60
LED FWHM / FWTM Efficiency Peak intensity	55.0° / 78.0° 94 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	55.0° / 78.0° 94 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	55.0° / 78.0° 94 % 1.3 cd/lm 1 White s:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	55.0° / 78.0° 94 % 1.3 cd/lm 1 White s:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	55.0° / 78.0° 94 % 1.3 cd/lm 1 White s:	



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:

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