

ANGELINA-W-B

~50°	wide	beam	compatible	with	BJB
conne	ectors				

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 82.0 mm
Height	31 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish	Coating
ANGELINA-W-B	Reflector	PC	metal		HMDS

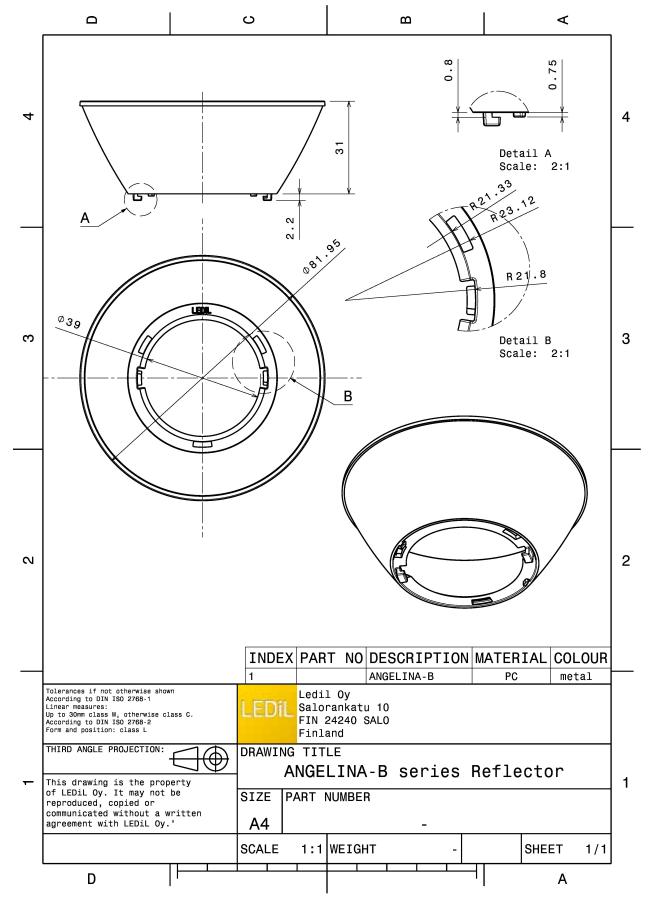
ORDERING INFORMATION:

Component

- F13661_ANGELINA-W-B
- » Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
825	110	55	10.6

PRODUCT DATASHEET F13661_ANGELINA-W-B



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



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.222		50° 50° 20° 50° 20° 50° 20° 60° 400 60° 60° 60° 60° 60° 60° 60° 60°
bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.227		99 ⁴ 97 97 96 ⁵ 96 ⁵ 96 ⁵ 96 ⁵ 96 ⁵ 96 ⁶ 96 ⁷ 96 ⁹ 96 ⁹ 9
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.235		90 ⁴ 75 60 60 60 60 60 60 60 60 60 60
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen A.A.G. STUCCH		



bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203		~	59 ⁴ 59 ⁴ 59 69 69 60 60 60 60 60 60 60 60 60 60 60 60 60
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CLL03x/CLU03x 55.0° / 100.0° 94 % 0.9 cd/lm 1 White nts:		5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CLL03x/CLU03x 49.0° / 98.0° 92 % 1 cd/lm 1 White nts:		30 ⁴ 30
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- A.A.G. STUCCH	CLL03x/CLU03x 60.0° / 102.0° 89 % 0.8 cd/lm 1 White nts: RZ-LENS		



CITIZE	Ν		50*
LED	CLL04x/CLU04x		
FWHM / FWTM	62.0° / 102.0°		200
Efficiency	92 %		60°
Peak intensity	0.8 cd/lm		
LEDs/each optic	1		
Light colour	White		5°
Required compone	ents:		
A.A.G. STUCCH	ll: 8102-G2		
			30° 00 15°
CITIZE	N		90 ⁴
LED	CLL04x/CLU04x		
FWHM / FWTM	66.0° / 104.0°		75
Efficiency	87 %		
Peak intensity	0.7 cd/lm		
LEDs/each optic	1		
Light colour	White		400
Required compone	ents:		
F13671_ANGE-			
A.A.G. STUCCH	II: 8102-G2		
			30*
			15" 00 15"
CITIZE	N		90°
CITIZE	N CLU720/721		50°
LED			99°
LED FWHM / FWTM	CLU720/721		61 21 20
LED FWHM / FWTM Efficiency Peak intensity	CLU720/721 49.0° / 99.0°		60 26 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1		5° 5° 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White		5° 60° 27
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents:		99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents:		99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents:		99 ⁴ 69 ⁴ 69 ⁴ 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents:		20* 29* 29* 29* 29* 29* 29* 29* 29* 29* 29
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency Peak intensity	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White onts: 21 N CLU720/721 51.0° / 100.0° 94 % 1 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21 N CLU720/721 51.0° / 100.0° 94 % 1 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21 N CLU720/721 51.0° / 100.0° 94 % 1 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21 N CLU720/721 51.0° / 100.0° 94 % 1 cd/lm 1 White ents:		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU720/721 49.0° / 99.0° 93 % 1 cd/lm 1 White ents: 21 N CLU720/721 51.0° / 100.0° 94 % 1 cd/lm 1 White ents:		



				90°	
LED	CXA/B 25xx				
FWHM / FWTM	61.0° / 101.0°			75'	
Efficiency	92 %			$\Delta A D$	
Peak intensity	0.8 cd/lm			60*	
LEDs/each optic	1				400
Light colour	White			45*	
Required compone					en l
BJB: 47.319.214					
				300	200
	5			90°	<u>0⁶ 15°</u>
	CXA/B 25xx			75*	
FWHM / FWTM	64.0° / 103.0° 88 %			$\times /$	200
Efficiency Peak intensity	88 % 0.8 cd/lm		1.	60°	
LEDs/each optic	1				
LEDS/each optic	White			45*	400
Required compone F13671_ANGE-I					
BJB: 47.319.214				\setminus \land	
DJD. 47.319.214	÷1				
				30° 15°	000 15°
				90° 15°	900 0 ⁹ 15 ³
	CXA/B 25xx				200 0 ¹ 15°
LED	CXA/B 25xx				
LED FWHM / FWTM	CXA/B 25xx 57.0° / 101.0°				
LED FWHM / FWTM Efficiency	CXA/B 25xx 57.0° / 101.0° 93 %				
LED FWHM / FWTM Efficiency Peak intensity	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm				00 12 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White				00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts:				00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts:				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts:				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2				
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0°			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0° 91 %			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0° 91 % 0.8 cd/lm 1			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0° 91 % 0.8 cd/lm 1 White			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0° 91 % 0.8 cd/lm 1 White nts:			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0° 91 % 0.8 cd/lm 1 White nts:			94 95 95 95 95	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CXA/B 25xx 57.0° / 101.0° 93 % 0.9 cd/lm 1 White nts: II: 8401-G2 CXA/B 30xx 63.0° / 101.0° 91 % 0.8 cd/lm 1 White nts:			94 95 95 95 95	



	.EDS	20 ⁴ 20 ³
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	LUXEON CoB 1204/1205 53.0° / 100.0° 94 % 0.9 cd/lm 1 White ents:	
	EDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	LUXEON CoB 1208 55.0° / 100.0° 93 % 0.9 cd/lm 1 White ents:	
	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	LUXEON CoB 1211 58.0° / 101.0° 92 % 0.9 cd/lm 1 White ents:	
UMIL	.EDS	94* 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH		



	EDS	50 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	LUXEON CoB 1216/1812 65.0° / 102.0° 91 % 0.8 cd/lm 1 White mts:	
	EDS	50' 59'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE-	LUXEON CoB 1216/1812 67.0° / 104.0° 87 % 0.7 cd/lm 1 White ints:	
BJB: 47.319.203		30 ⁴ 30 ⁴ 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.207	LUXEON K12 64.0° / 104.0° 89 % 0.8 cd/lm 1 White mts: RZ-LENS	
		30° 07 15° 30
ED EVHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.207	LUXEON K16 65.0° / 104.0° 89 % 0.8 cd/lm 1 White Ints: RZ-LENS	



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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.207	LUXEON K16 61.0° % 0.9 cd/lm 1 White ents:	
	INUS	8 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202		
	INUS	50 ⁺ 50 ⁺
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	CxM-22 (28x28) 63.0° / 102.0° 92 % 0.8 cd/lm 1 White ents:	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Soleriq S13 52.0° / 100.0° 94 % 1 cd/lm 1 White ents:	



OSRAM		20 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202		
OSRAM Opto Semiconductors		5)4 397
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH		
OSRAM		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.217	70	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203	Fortimo SLM L19 CoB 60.0° / 102.0° 88 % 0.8 cd/lm 1 White Ints: RZ-LENS	



PHILIP	DS	50 ⁴	90
LED	Fortimo SLM L19 CoB		
FWHM / FWTM	58.0° / 100.0°	77	75
Efficiency	93 %		
Peak intensity	0.9 cd/lm		60
LEDs/each optic	1		
Light colour	White		45
Required compone			
BJB: 47.319.20			
			36
			~ *
PHILIP	S	90*	90
LED	Fortimo SLM L23 CoB		1.
FWHM / FWTM	60.0° / 101.0°		
Efficiency	93 %	69 ⁴	60
Peak intensity	0.9 cd/lm		
LEDs/each optic	1		
Light colour	White	a. A a a a a a a a a a a a a a a a a a a	45
Required compone	ents:		
BJB: 47.319.20	30		
		50	
		30	36
DHIII	20		
PHILI		50°	90
LED	Fortimo SLM L23 CoB	50°	90
LED FWHM / FWTM	Fortimo SLM L23 CoB 62.0° / 102.0°	<u>394</u> 77 20	50
LED FWHM / FWTM Efficiency	Fortimo SLM L23 CoB 62.0° / 102.0° 88 %	50°* 75° 60°	90
LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm	50 ⁴ 20 60 ⁴	90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1	50°	90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White	50 ⁴ 72 60 60 60 60 60	90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents:		90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS	90 ⁴ 72 60 ⁴ 9 ⁵ 60 ⁴ 60 ⁴	90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS	90* 77 60* 60* 60* 60*	99 73 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS		30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: .RZ-LENS 30		90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: .RZ-LENS 30		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE BJB: 47.319.203	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE BJB: 47.319.203	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE BJB: 47.319.203 SAMSS LED FWHM / FWTM Efficiency	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE BJB: 47.319.203 SAMSS LED FWHM / FWTM Efficiency Peak intensity	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30 UNC LC016D / LC019D / LC026D / LC033D 59.0° / 101.0° 93 % 0.9 cd/lm		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30 UNG LC016D / LC019D / LC026D / LC033D 59.0° / 101.0° 93 % 0.9 cd/lm 1 White		23 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30 UNCC LC016D / LC019D / LC026D / LC033D 59.0° / 101.0° 93 % 0.9 cd/lm 1 White ents:		23 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30 UNCC LC016D / LC019D / LC026D / LC033D 59.0° / 101.0° 93 % 0.9 cd/lm 1 White ents:		23 00 00 00 00 00 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203 SAMSS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L23 CoB 62.0° / 102.0° 88 % 0.8 cd/lm 1 White ents: RZ-LENS 30 UNCC LC016D / LC019D / LC026D / LC033D 59.0° / 101.0° 93 % 0.9 cd/lm 1 White ents:		23 00 00 00 00 00 00 00 00 00 00 00 00 00



	JNG	
		9 ⁹
LED FWHM / FWTM	LC016D / LC019D / LC026D / LC033D 59.0° / 101.0°	3.
Efficiency	93 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	9 ⁷
Required compone		
A.A.G. STUCCH		
<u> </u> S M S I 	JNG	
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	62.0° / 103.0°	72
Efficiency	89 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr e
Required compone	nts:	
F13671_ANGE-I	RZ-LENS	
BJB: 47.319.202	1	
		20 ¹⁺ 00 ⁻ x ⁻
S ΛΜSι	JNG	90 ⁴
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	62.0° / 103.0°	79
Efficiency	89 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Light colour Required compone	nts:	
Required compone F13671_ANGE-I	nts: RZ-LENS	¢*
Required compone	nts: RZ-LENS	
Required compone F13671_ANGE-I	nts: RZ-LENS	5° 30 ⁴ 20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴ 20 ⁴
Required compone F13671_ANGE-I	nts: RZ-LENS	
Required compone F13671_ANGE-I A.A.G. STUCCH	nts: RZ-LENS	
Required compone F13671_ANGE-I A.A.G. STUCCH	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0°	
Required compone F13671_ANGE-I A.A.G. STUCCH SECONSTRUCTOR LED FWHM / FWTM Efficiency	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 %	
Required compone F13671_ANGE-I A.A.G. STUCCH scourses scourses courses scourses courses scour	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 % 0.9 cd/lm	
Required compone F13671_ANGE-I A.A.G. STUCCH	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 % 0.9 cd/lm 1	
Required compone F13671_ANGE-I A.A.G. STUCCH stout staticonductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 % 0.9 cd/lm 1 White	
Required compone F13671_ANGE-I A.A.G. STUCCH	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 % 0.9 cd/lm 1 White nts:	
Required compone F13671_ANGE-I A.A.G. STUCCH	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 % 0.9 cd/lm 1 White nts:	
Required compone F13671_ANGE-I A.A.G. STUCCH scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	nts: RZ-LENS II: 8101-G2 ZC12/18 54.0° / 99.0° 93 % 0.9 cd/lm 1 White nts:	



SEOUL		99°
SEOUL SEMICONDUCTOR	ZC25/40/60	
FWHM / FWTM	62.0° / 102.0°	3
Efficiency	92 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
A.A.G. STUCCH		
		80
		30° 127 0°
SHA	RP	5°
LED	Mega Zenigata (GW6DME)	
FWHM / FWTM	55.0° / 100.0°	75
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e.
Required compone	ents:	
A.A.G. STUCCH	II: 8301-G2	
		30°
		25" 18%
SHA	RP	59*
SHA LED	RP Tiger Zenigata (GWTGCBG4FD)	50°
		50' 75'
LED	Tiger Zenigata (GWTGCBG4FD)	20 20
LED FWHM / FWTM	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0°	
LED FWHM / FWTM Efficiency	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE-	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White Ints: RZ-LENS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White I RZ-LENS 51	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SIE G7 LES17 H	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205 TRIDON LED FWHM / FWTM	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White mts: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205 TRIDON LED FWHM / FWTM Efficiency	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White mts: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205 TRIDON LED FWHM / FWTM Efficiency Peak intensity	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White I White MIC SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205 TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.208 TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.205 TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.208 TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.208 TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.208 TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Tiger Zenigata (GWTGCBG4FD) 54.0° / 101.0° 90 % 0.9 cd/lm 1 White ints: RZ-LENS 51 SLE G7 LES17 H 53.0° / 99.0° 91 % 0.9 cd/lm 1 White	



TRIDON	1IC	90* 90
LED	SLE G7 LES21 H	77
FWHM / FWTM	59.0° / 100.0°	
Efficiency	91 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	a. A
Required compone	ents:	30
XICATO		35/*
LED	XOB 14.5 mm	71
FWHM / FWTM	57.0° / 100.0°	
Efficiency	94 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
Required compone	ents:	
BJB: 47.319.202	21	20 20 20 20 20 20 20 20 20 20 20 20 20 2
XICATO)	50*
LED	XTM - 19mm LES	
FWHM / FWTM	59.0° / 101.0°	
Efficiency	92 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	ar a
Required compone	ents:	
C15743_XTM-A	DAPTER-50-B	30



PHOTOMETRIC DATA (SIMULATED):

CITIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2030	CLL04x/CLU04x 55.0° / 98.0° 90 % 0.9 cd/lm 1 White	20 50 20 50 20 60 00 00 00 00 00 00 00 00 00
CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2030	CLL04x/CLU04x 52.0° / 94.0° 95 % 1.1 cd/m 1 White	
CITTIZEN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2030	CLU730/731 52.0° / 98.0° 93 % 1.1 cd/lm 1 White	91 ⁴ 92 93 94 95 96 96 96 96 96 96 96 96 96 96 97 97 97 97 97 97 97 97 97 97 97 97 97
SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2030	C LC040D / LC060D / LC080D 54.0° / 97.0° 90 % 1 cd/lm 1 White	



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.

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