

ANGELA-S-B

~10° spot beam compatible with BJB connectors

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 119.5 mm
Height	74.5 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	8.6 kg
Quantity in Box	180 pcs
ROHS compliant	yes 🛈



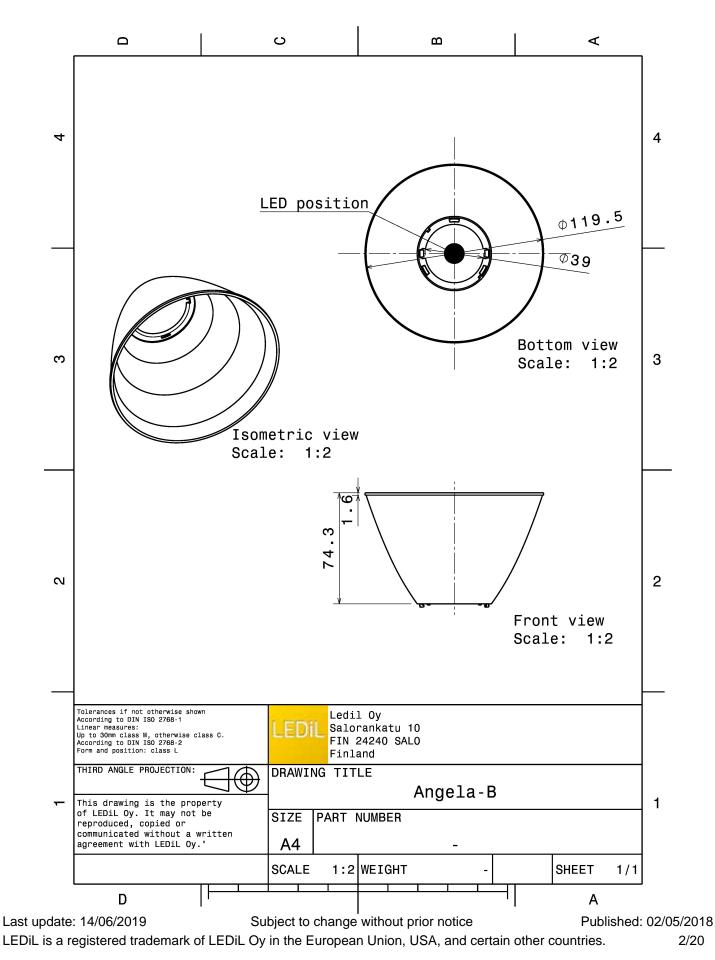
PRODUCT DATASHEET

F13662_ANGELA-S-B

MATERIAL SPECIFICATIONS:

Component ANGELA-S-B **Type** Reflector **Material** PC **Colour** metal Coating HMDS







PHOTOMETRIC DATA (MEASURED):

bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon BJB: 47.319.20	White ents:	20, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 0, 12, 12, 12, 12, 12, 12, 12, 12, 12, 12
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F13671_ANGE BJB: 47.319.22	White ents: -RZ-LENS	500 500 500 500 500 500 500 500
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon BJB: 47.319.22	White ents:	27 00 00 00 00 00 00 00 00 00 00 00 00 00
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F13671_ANGE BJB: 47.319.22	White ents: -RZ-LENS	5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6°

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bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.22	White ents:	34 ⁴ 35 ⁵ 0 ⁴ 12 ⁴ 3 ⁴
bridgelux LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.23	White ents:	20 20 20 20 20 20 20 20 20 20
bridgelux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE A.A.G. STUCC	White ents: -RZ-LENS	200 90 90 90 90 90 90 90 90 90
bridgetux. LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	White ents:	D D D 32 32 32 35 400 92 35 400 92 35 400 92 400 400 40 400 400 40 57 400 40 400 400 40 400 400 40 400 400 40 400 400 40 400 400 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 400 40 40 40 4



PHOTOMETRIC DATA (MEASURED):

CITIZE	N	90°
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F13671_ANGE A.A.G. STUCC	CLL03x/CLU03x 10.0° 86 % 10.780 cd/lm 1 White ents: -RZ-LENS	
CITIZEI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon BJB: 47.319.20	CLL03x/CLU03x 9.0° 94 % 18.300 cd/lm 1 White ents:	
CITIZEI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon A.A.G. STUCC	CLL03x/CLU03x 10.0° 93 % 15.400 cd/lm 1 White ents:	
CITTIZED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon F13671_ANGE A.A.G. STUCC	CLL04x/CLU04x 15.0° 86 % 5.890 cd/lm 1 White ents: -RZ-LENS	

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PHOTOMETRIC DATA (MEASURED):

CITIZE		
LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	CLL04x/CLU04x 15.0° 92 % 7.300 cd/lm 1 White ents:	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	CLL04x/CLU04x 15.0° 92 % 6.900 cd/lm 1 White ents:	600 600 600 600 600 600 600 600
CITIZE	NT CONTRACTOR CONT	10 10 10 10 10 10 10 10 10 10 10 10 10 1
CITTIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	CLU720/721 7.0° 94 % 25.000 cd/lm 1 White ents:	20- 20- 20- 20- 20- 20- 20- 20-
CITIZE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	CLU720/721 7.0° 94 % 25.300 cd/lm 1 White ents:	47 47 100 100 100 100 100 100 100 10

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CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE BJB: 47.319.21	CXA/B 25xx 13.0° 86 % 7.500 cd/lm 1 White hents: -RZ-LENS	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	CXA/B 25xx 11.0° 92 % 11.590 cd/lm 1 White tents:	
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.2 ⁻¹	CXA/B 25xx 13.0° 89 % 9.300 cd/lm 1 White tents:	30* 30* 75* 79* 65* 600 95* 30*
CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	CXA/B 30xx 15.0° 91 % 7.200 cd/lm 1 White hents:	



FWHM Efficiency Peak intensity LEDs/each optic	COB 10W/13W/17W/24W 9.0° 93 % 19.240 cd/lm 1 White ents:	
FWHM Efficiency Peak intensity LEDs/each optic	COB 10W/13W/17W/24W 8.0° 94 % 16.200 cd/lm 1 White ents:	
FWHM Efficiency Peak intensity LEDs/each optic	COB 40W/60W 15.0° 91 % 6.760 cd/lm 1 White ents:	
FWHM Efficiency Peak intensity LEDs/each optic	LUXEON CoB 1204/1205 9.0° 93 % 19.200 cd/lm 1 White ents:	



PHOTOMETRIC DATA (MEASURED):

EUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE A.A.G. STUCC	LUXEON CoB 1208 11.0° 86 % 10.000 cd/lm 1 White tents: -RZ-LENS	34, ^{12,} ^{6,} ^{12,} ^{34,} ³⁴
WHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	LUXEON CoB 1208 10.0° 94 % 14.800 cd/lm 1 White tents:	20, 1000 20, 1000 0, 000 0,
CUMILI LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	LUXEON CoB 1211 13.0° 91 % 9.500 cd/lm 1 White tents:	20 20 20 20 20 20 20 20 20 20
WHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	LUXEON CoB 1211 13.0° 90 % 9.400 cd/lm 1 White tents:	

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PHOTOMETRIC DATA (MEASURED):

ED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE BJB: 47.319.20	LUXEON CoB 1216/1812 16.0° 85 % 5.470 cd/lm 1 White tents: -RZ-LENS 030	
EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	LUXEON CoB 1216/1812 15.0° 89 % 6.620 cd/lm 1 White nents:	30. 30. 64. 30. 30. 6100 6100 66. 610. 6100 66. 66. 610. 6000 66. 66. 610. 6000 66. 66. 610. 6000 66. 66. 610. 6000 66. 66. 610. 6000 66. 66. 610. 6000 66. 66. 610. 6000 66. 66. 610. 6000 66. 66.
EUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	LUXEON K12 9.0° 94 % 17.300 cd/lm 1 White eents:	59° 75 66° 60° 1000
LUMIL LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	LUXEON K16 11.0° 94 % 13.600 cd/lm 1 White tents:	

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LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	CxM-14 (19x19) 9.0° 93 % 16.300 cd/lm 1 White ents:	30 10 0, 10
OSRAM Opte Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	White ents:	27 27 27 27 27 27 27 27 27 27
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	White ents:	20 ¹ 000 00 21
OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.21	White ents:	20° 0° 10° 0°° 10° 0°° 0°



PHOTOMETRIC DATA (MEASURED):

PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE BJB: 47.319.20	Fortimo SLM L19 CoB 13.0° 86 % 7.500 cd/lm 1 White tents: -RZ-LENS	3 ¹ , 50 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5, 5,
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	Fortimo SLM L19 CoB 13.0° 91 % 9.300 cd/lm 1 White thents:	20 ⁴ 30 ⁶ 30 ⁶ 30 ⁴
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE BJB: 47.319.20	Fortimo SLM L23 CoB 16.0° 86 % 5.600 cd/lm 1 White tents: -RZ-LENS	30 60 60 60 60 700 70 70 70 70 70 70 70 70 70 70
PHILIP LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	Fortimo SLM L23 CoB 15.0° 91 % 6.700 cd/lm 1 White tents:	

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PHOTOMETRIC DATA (MEASURED):

SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE BJB: 47.319.20	COB D Series LES 14.5 mm 11.0° 87 % 11.030 cd/lm 1 White tents: -RZ-LENS	gr
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	COB D Series LES 14.5 mm 10.0° 91 % 15.150 cd/lm 1 White tents:	20- 20- 20- 20- 20- 20- 20- 20-
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE A.A.G. STUCC	COB D Series LES 14.5 mm 11.0° 87 % 11.030 cd/lm 1 White tents: -RZ-LENS	90 90 90 90 90 90 90 90 90 90 90 90 90 9
SAMSU LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	COB D Series LES 14.5 mm 10.0° 91 % 15.150 cd/lm 1 White tents:	20 20 20 20 20 20 20 20 20 20

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PHOTOMETRIC DATA (MEASURED):

seoul SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	White nents:	25° 50° 50° 25° 60° 25° 1200 60° 25° 60° 25° 60° 25° 60° 25° 60°
soul SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor A.A.G. STUCC	White nents:	27° 0° 17° 28°
soul SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor F13671_ANGE BJB: 47.319.20	White nents: -RZ-LENS	
SEQUE SEMICONDUCTOR LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compor BJB: 47.319.20	White nents:	

PRODUCT DATASHEET

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PHOTOMETRIC DATA (MEASURED):

SHA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon A.A.G. STUCC	Mega Zenigata (GW6DME) 10.0° 94 % 15.500 cd/lm 1 White tents:	20 20 00 10 20 20 20 20 20 20 20 20 20 20 20 20 20
SHA LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon BJB: 47.319.20	Mega Zenigata (GW6DME) 10.0° 94 % 16.100 cd/lm 1 White tents:	
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	SLE G7 LES17 H 11.0° 90 % 10.900 cd/lm 1 White	200
TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	SLE G7 LES21 H 14.0° 90 % 7.700 cd/lm 1 White	25° 0° 15° 90°

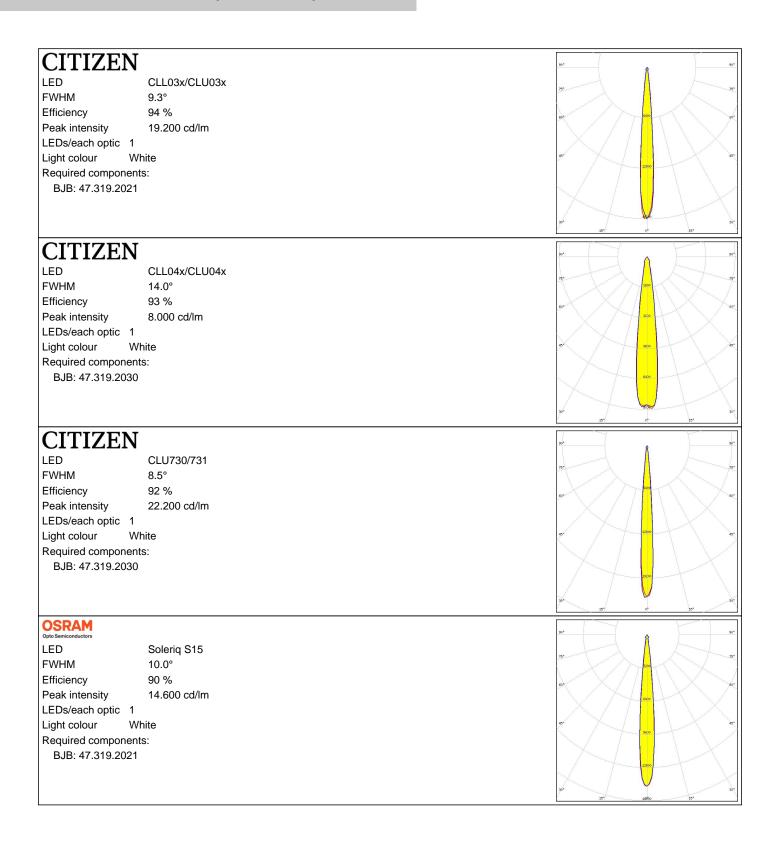
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XICATO	0		90*	90*
LED	XOB 14.5 mm			
FWHM	9.0°		73*	75'
Efficiency	92 %		en*	
Peak intensity	16.705 cd/lm		BU 54	" ~ ~
LEDs/each optic	5 1			
Light colour	White		434	45*
Required compo	onents:			
BJB: 47.319.2			122	***
			30°	
			15% 0	° 15°
XICATO	0		90 ⁺	90*
LED	XTM - 19mm LES			
FWHM	12.0°		75°	13.
Efficiency	91 %		X / 74	00 × 00 × 00
Peak intensity	11.000 cd/lm			
LEDs/each optic	2 1			
Light colour	White		43 ⁴	20 1 43*
Required compo	onents:			
	I-ADAPTER-50-B			
			× 1 × 1	»
			300	
			15% 0	o <u>15</u> °



PHOTOMETRIC DATA (SIMULATED):



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PHOTOMETRIC DATA (SIMULATED):

0.0.0.0	•	
FWHM Efficiency	COB D Series LES 22 mm 17.0° 87 % 5.750 cd/lm te	200 200 200 200 200 200 200 200
FWHM Efficiency	SLE G6 LES15 H D50 9.7° 89 % 14.300 cd/lm te	25- 25- 25- 25- 25- 25- 25- 25-
FWHM Efficiency	SLE G6 LES17 H 12.0° 88 % 10.700 cd/lm te	50° 0° 50° 50° 0° 50° 50° 0° 0° 50° 50° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0° 0
FWHM Efficiency	SLE G6 LES19 H 13.0° 89 % 8.400 cd/lm te	Map Tab. On Tab. Map Map Size Size

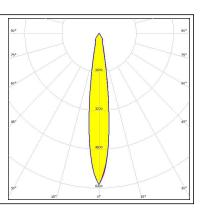
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PHOTOMETRIC DATA (SIMULATED):

TRIDONIC

LED	SLE G6 LES23 H	
FWHM	16.0°	
Efficiency	88 %	
Peak intensity	6.270 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		





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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