

# PRODUCT DATASHEET F13839\_ANGELINA-XW-B

## **ANGELINA-XW-B**

White version with ~91° wide beam compatible with BJB connectors

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



#### **MATERIAL SPECIFICATIONS:**

Component	Туре	Material	Colour	Finish	Coating
ANGELINA-XW-B	Reflector	HRPC	white		

#### **ORDERING INFORMATION:**

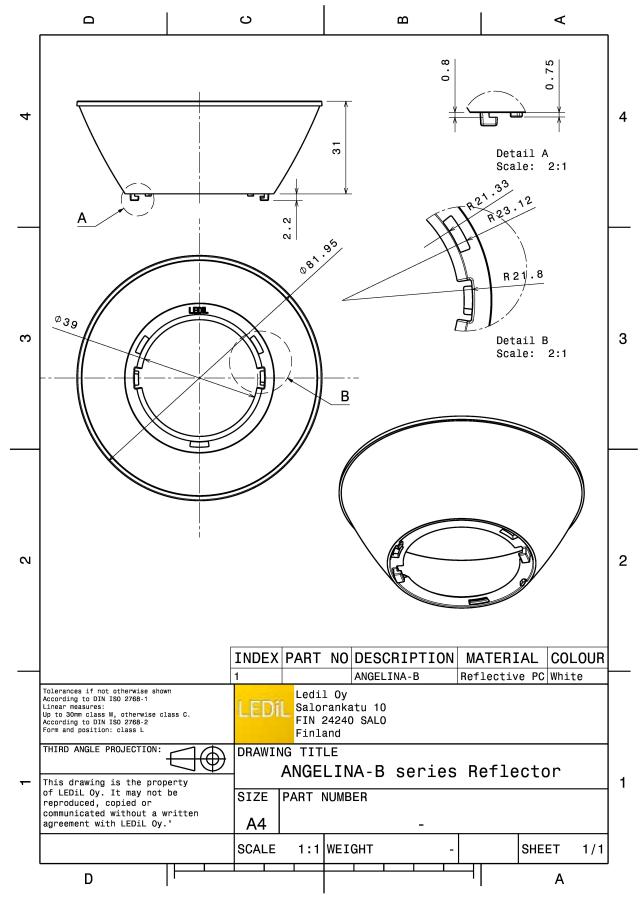
#### Component

F13839\_ANGELINA-XW-B

» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
825	110	55	11.1

# PRODUCT DATASHEET F13839\_ANGELINA-XW-B



R

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



r		
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.204		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.222		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.227		99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
bridgeluX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.235		200 200 200 200 200 200 200 200 200 200



-			
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH			90 <sup>4</sup> 92 92 92 94 94 95 95 96 96 96 96 96 96 96 96 96 96 96 96 96
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203		~	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- A.A.G. STUCCH	CLL03x/CLU03x 93.0° / 132.0° 89 % 0.5 cd/lm 1 White ents: RZ-LENS		91 <sup>4</sup> 91
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CLL03x/CLU03x 93.0° / 133.0° 94 % 0.5 cd/lm 1 White ents:		20, 22, 0, 12, 0



CITIZE	N		90*	90
LED FWHM / FWTM Efficiency	CLL03x/CLU03x 93.0° / 135.0° 94 %		7	~~~
Peak intensity	0.5 cd/lm		69* 200	
LEDs/each optic	1			
Light colour	White		at	
Required compone				
A.A.G. STUCCH			400	
			yh yh	15° 30
CITIZE	N		30*	90
LED	CLL04x/CLU04x		275	1
FWHM / FWTM	91.0° / 134.0°			
Efficiency	94 %		614	X ~ "
Peak intensity	0.5 cd/lm			
LEDs/each optic	1			
Light colour	White			
Required compone				K
BJB: 47.319.203	30		440	
			36*	30
CITIZE	N		90 <sup>¢</sup>	90
LED	CLL04x/CLU04x			
	92.0° / 135.0°		23.	
FWHM / FWTM	02.0 / 100.0			$\sim$
	94 %			60
Efficiency	94 % 0.5 cd/lm		501	
Efficiency Peak intensity	94 % 0.5 cd/lm 1		200	
Efficiency Peak intensity LEDs/each optic	0.5 cd/lm		90° - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200 - 200	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White		₩ <sup>2</sup>	
Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White ents:		90 <sup>2</sup> - 200	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents:		90 <sup>2</sup>	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents:		90 <sup>4</sup> 97 96 96 96 96 96 96 96 96 96 96 96 96 96	
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	0.5 cd/lm 1 White ents: II: 8102-G2			a bi
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	0.5 cd/lm 1 White ents: 11: 8102-G2			25 20 29
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	0.5 cd/lm 1 White ents: 11: 8102-G2 N CLL04x/CLU04x		20 20	32
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	0.5 cd/lm 1 White ents: H: 8102-G2 N CLL04x/CLU04x 91.0° / 132.0°			
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH CITTIZE LED FWHM / FWTM Efficiency	0.5 cd/lm 1 White ents: H: 8102-G2 <b>N</b> CLL04x/CLU04x 91.0° / 132.0° 88 %			
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH <b>CITTIZE</b> LED FWHM / FWTM Efficiency Peak intensity	0.5 cd/lm 1 White ents: H: 8102-G2 N CLL04x/CLU04x 91.0° / 132.0°			55°
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1 White ents: 11: 8102-G2 <b>N</b> CLL04x/CLU04x 91.0° / 132.0° 88 % 0.5 cd/lm			9 9 7 7 8
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	0.5 cd/lm 1 White ents: 1: 8102-G2 <b>N</b> CLL04x/CLU04x 91.0° / 132.0° 88 % 0.5 cd/lm 1 White			
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White ents: 1: 8102-G2 <b>N</b> CLL04x/CLU04x 91.0° / 132.0° 88 % 0.5 cd/lm 1 White ents:			
Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH CCITIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents: 1: 8102-G2 <b>N</b> CLL04x/CLU04x 91.0° / 132.0° 88 % 0.5 cd/lm 1 White ents: RZ-LENS			



	ם		20 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.21	CXA/B 25xx 92.0° / 134.0° 94 % 0.5 cd/lm 1 White ents:		20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
	D		30°. 30°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH			
	D		90°90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE BJB: 47.319.21	-RZ-LENS		201 201 201 201 201 201 201 201
CREE CLE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CXA/B 30xx 90.0° / 134.0° 94 % 0.5 cd/lm 1 White ents:		



	EDS	9y <sup>4</sup> 9y <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	LUXEON CoB 1204/1205 94.0° / 135.0° 94 % 0.5 cd/lm 1 White ents:	
	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	LUXEON CoB 1208 93.0° / 135.0° 94 % 0.5 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 92.0° / 135.0° 94 % 0.5 cd/lm 1 White ents: 30	
Control Contro	LUXEON CoB 1211 91.0° / 133.0° 94 % 0.5 cd/lm 1 White ents:	



UMIL	EDS	90 <sup>4</sup>
LED FWHM / FWTM Efficiency	LUXEON CoB 1216/1812 91.0° / 134.0° 96 %	75 77
Peak intensity	0.5 cd/lm	60 <sup>1</sup>
LEDs/each optic	1	
Light colour	White	
Required compone		
BJB: 47.319.203		
		20 <sup>4</sup> 20 <sup>7</sup> 20 <sup>7</sup>
	.EDS	<u>B</u> <sub>2</sub>
LED	LUXEON CoB 1216/1812	
FWHM / FWTM	91.0° / 133.0°	25 250
Efficiency	89 %	
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	<i>₹</i>
Required compone		
F13671_ANGE-		
BJB: 47.319.203	30	
		30° 33° 33°
🖉 LUMIL	.EDS	50° 50°
LED	LUXEON K12	
FWHM / FWTM	91.0° / 112.0°	
Efficiency	94 %	an a
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	¢,
Required compone		
BJB: 47.319.207	70	
		20 <sup>4</sup> 0, 22, 30
🖉 LUMIL	EDS	90 <sup>4</sup> 90 <sup>4</sup>
LED	LUXEON K16	
FWHM / FWTM	91.0° / 108.0°	
Efficiency	94 %	er er
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9°
D 1 1	ents:	
Required compone		
BJB: 47.319.207	70	
	70	



ELUM	INUS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	CxM-14 (19x19) 92.0° / 134.0° 94 % 0.5 cd/lm 1 White ents:	
ELUM	INUS	20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	CxM-22 (28x28) 91.0° / 135.0° 94 % 0.5 cd/lm 1 White ents:	
OSRAM		90* 99
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH		



OSRAM Opto Semiconductors		90° 90'
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.217		
PHILIP	20	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L19 CoB 91.0° / 130.0° 91 % 0.5 cd/lm 1 White	
F13671_ANGE- BJB: 47.319.200	RZ-LENS	30" 15" 15" X
PHILIF	S	90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.200		
		30 - 25 - 25 - 25
<b>PHILLS</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L23 CoB 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	
Required compone BJB: 47.319.203		



PHILIF	<b>DS</b>	59* 50*
LED FWHM / FWTM Efficiency	Fortimo SLM L23 CoB 90.0° / 131.0° 91 %	90°
Peak intensity LEDs/each optic	0.5 cd/lm 1	
Light colour	' White	er bereiten en e
Required compone		
F13671_ANGE-		
BJB: 47.319.203		30" 25" 60 25" 30
SAMSI	UNG	90°
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	93.0° / 134.0°	
Efficiency	94 %	est est
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone BJB: 47.319.202		
SVWSI		20 <sup>4</sup> 20 <sup>4</sup> 20 <sup>4</sup>
LED	LC016D / LC019D / LC026D / LC033D	19
FWHM / FWTM Efficiency	93.0° / 134.0° 94 %	<b>10</b>
Peak intensity	94 % 0.5 cd/lm	<b>29</b>
-	1	19 and
LEUS/PACE ODTIC		
LEDs/each optic Light colour Required compone	White	
-	White ents:	39
Light colour Required compone	White ents:	
Light colour Required compone	White ents:	
Light colour Required compone A.A.G. STUCCH	White ents: II: 8101-G2	
Light colour Required compone A.A.G. STUCCH	White ents: H: 8101-G2	
Light colour Required compone A.A.G. STUCCH	White ents: II: 8101-G2 UNG LC016D / LC019D / LC026D / LC033D	
Light colour Required compone A.A.G. STUCCH SAMSI LED FWHM / FWTM	White ents: H: 8101-G2	
Light colour Required compone A.A.G. STUCCH SAMSI LED FWHM / FWTM Efficiency	White ents: II: 8101-G2 UNC LC016D / LC019D / LC026D / LC033D 93.0° / 133.0°	
Light colour Required compone A.A.G. STUCCH SAMSI LED FWHM / FWTM Efficiency Peak intensity	White ents: II: 8101-G2 UNC LC016D / LC019D / LC026D / LC033D 93.0° / 133.0° 91 %	
Light colour Required compone A.A.G. STUCCH SAMSI LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White ents: II: 8101-G2 UNG LC016D / LC019D / LC026D / LC033D 93.0° / 133.0° 91 % 0.5 cd/lm	
Light colour Required compone	White ents: II: 8101-G2 UNG LC016D / LC019D / LC026D / LC033D 93.0° / 133.0° 91 % 0.5 cd/lm 1 White	
Light colour Required compone A.A.G. STUCCH SALED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White ents: II: 8101-G2 UNC LC016D / LC019D / LC026D / LC033D 93.0° / 133.0° 91 % 0.5 cd/lm 1 White ents:	
Light colour Required compone A.A.G. STUCCH SANS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	White ents: II: 8101-G2 UNC LC016D / LC019D / LC026D / LC033D 93.0° / 133.0° 91 % 0.5 cd/lm 1 White ents: RZ-LENS	



SAMSU	JNG	94 <sup>1</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- A.A.G. STUCCH	LC016D / LC019D / LC026D / LC033D 93.0° / 133.0° 91 % 0.5 cd/lm 1 White nts: RZ-LENS	
SEOUL		
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH		
		90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	II: 8102-G2	
SHA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.201	Mega Zenigata (GW5DGC) 93.0° / 134.0° 94 % 0.5 cd/lm 1 White nts:	



SHA	RP	90 <sup>4</sup> 99 <sup>4</sup>
LED	Mega Zenigata (GW6DME)	
FWHM / FWTM	93.0° / 134.0°	
Efficiency	94 %	6) <sup>1</sup>
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
BJB: 47.319.20	11	
		30° 25° 0° 15°
SHA	RP	9× 9×
LED	Mega Zenigata (GW6DME)	
FWHM / FWTM	93.0° / 134.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
A.A.G. STUCCI	HI: 8301-G2	
		30. 25.
TRIDO		25° 6° 35°
		90 <sup>4</sup>
LED	SLE G7 LES17 H	7. 7.
FWHM / FWTM	91.0° / 133.0°	
Efficiency	94 %	10 m
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30° 30' 30' 30' 30'
TRIDO		54 <sup>.</sup>
LED	SLE G7 LES21 H	75 75 75 75 75 75 75 75 75 75 75 75 75 7
FWHM / FWTM	90.0° / 133.0°	
Efficiency	94 %	av av
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	a de la companya de la company
Required compone	ents:	
		M0
		30'
		15 <sup>5</sup> ) 0 <sup>6</sup> 35 <sup>5</sup>



XICATO	)		90° 90°
LED	XOB 14.5 mm		73'
FWHM / FWTM	93.0° / 132.0°		
Efficiency	94 %		60*
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		at
Required compone	ents:		
BJB: 47.319.2021			40
			30-
			15° 0° 15°



## PHOTOMETRIC DATA (SIMULATED):

CITIZEN	N	700
LED	CLU730/731	100
FWHM / FWTM	86.0° / 110.0°	
Efficiency	93 %	•••
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	30 -
Light colour	White	<b>300 -</b>
Required component	s:	
BJB: 47.319.2030		279 159
		100
		-10.4" -10.4" -40
SAMSU	NG	90° 20°
LED	LC040D / LC060D / LC080D	
FWHM / FWTM	91.0° / 127.0°	757
Efficiency	88 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	95° ( ) , , , , , , , , , , , , , , , , , ,
Required component		
BJB: 47.319.2030		



## PRODUCT DATASHEET F13839\_ANGELINA-XW-B

#### **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

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

#### 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