# 

# ANGELETTE-M2

~35° medium beam

#### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 110.0 mm
Height	57.3 mm
Fastening	socket
Colour	metal
Box size	398 x 298 x 265 mm
Box weight	5.2 kg
Quantity in Box	120 pcs
ROHS compliant	yes 🛈

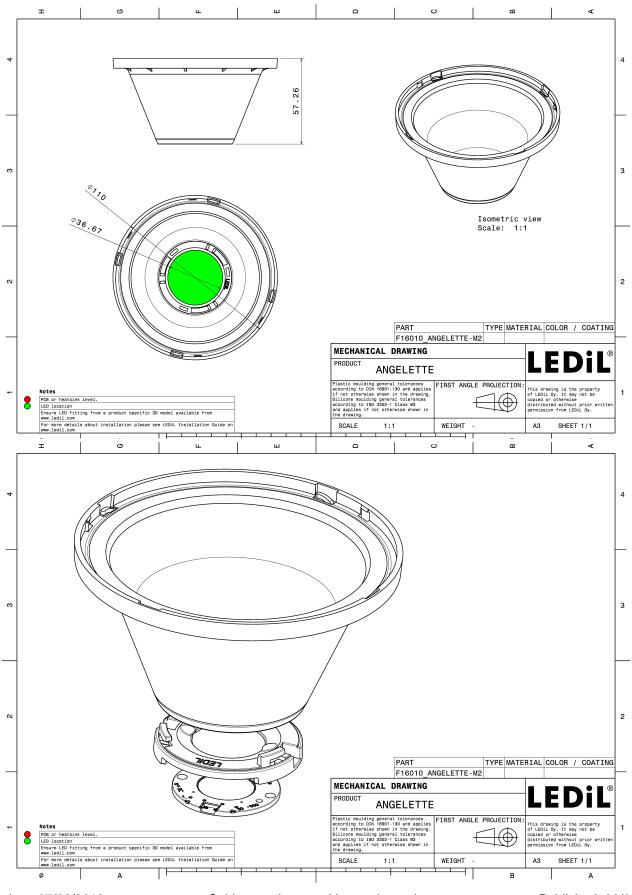


PRODUCT DATASHEET F16010\_ANGELETTE-M2

### **MATERIAL SPECIFICATIONS:**

**Component** ANGELETTE-M2 **Type** Reflector Material PC Colour metal Coating





Last update: 07/02/2018 Subject to change without prior notice Publ LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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### PHOTOMETRIC DATA (MEASURED):

bridgetux. LED FWHM Efficiency Peak intensity Required comp C16402_CLA		
bridgelux. LED FWHM Efficiency Peak intensity Required comp C16402_CLA		
bridgelux. LED FWHM Efficiency Peak intensity Required comp C13658_CLA F15412_ANC	onents: MP-VERO13-18	
bridgelux. LED FWHM Efficiency Peak intensity Required comp C13658_CLA		

PRODUCT DATASHEET

F16010\_ANGELETTE-M2



CITIZE	<b>EN</b>			90* 90*
LED	CLL03x/CLU03x			75
FWHM	39.0°			
Efficiency	82 %			50°
Peak intensity	1.200 cd/lm			
Required com	ponents:			95° 800 65°
C16791_CL	AMP-Z45-A			
F13671_AN	GE-RZ-LENS			
TE: 232580	7-3			30 <sup>6</sup> 12 <sup>30</sup> 0 <sup>6</sup> 15 <sup>5</sup>
CITIZE	2N			90 <sup>0</sup> 99
LED	CLL03x/CLU03x			25
FWHM	37.0°			400
Efficiency	86 %			50° 50°
Peak intensity	1.400 cd/lm			
Required com	ponents:			
C16791_CL				
TE: 2325807	7-3			1290
				30 <sup>6</sup> 13 <sup>9</sup> 0 <sup>6</sup> 15 <sup>9</sup> 35 <sup>6</sup>
CREE -	TH		and the second second	90°
LED	CMA1840			75
FWHM	36.0°			400
Efficiency	88 %			92°
Peak intensity	1.400 cd/lm			
Required com	ponents:			
C14123_CL	AMP-CXA15-18	_		
				306 309 00 357 36.
CREE -	M			90°
LED	CMA2550			
FWHM	39.0°			
Efficiency	88 %			60*
Peak intensity	1.300 cd/lm			
Required com	ponents:			93° 060 95
C14036_CL	AMP_CXA25-30	_		
				1220
				360
				15° 0° 35°



UMIL	EDS	90*
LED	LUXEON CoB 1204/1205	75
FWHM	34.0°	400
Efficiency	83 %	60°
Peak intensity	1.400 cd/lm	
Required comp	ponents:	
F15412_AN	GELETTE-DL	
TE: 2213130	-2 + OPTIC CLIP Z50 TYPE1 2213194-1	1200
		30* 30* 30*
	EDS	90°
LED	LUXEON CoB 1204/1205	75
FWHM	33.0°	400
Efficiency	86 %	60*
Peak intensity	1.600 cd/lm	
Required comp	ponents:	ar ar
TE: 2213130	0-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
		364 <u>1650</u> 364 364
	EDS	90* 90*
LED	LUXEON CoB 1204/1205	73
FWHM	35.0°	
Efficiency	82 %	60, 60,
Peak intensity	1.400 cd/lm	
Required comp	ponents:	q7 <sup>+</sup> 60 <sup>+</sup>
F13671_AN	GE-RZ-LENS	
TE: 2213130	0-2 + OPTIC CLIP Z50 TYPE1 2213194-1	1220
		30* 15* 0* 15*
UMIL	EDS	50°
LED	LUXEON CoB 1204/1205	73*
FWHM	33.0°	400
Efficiency	83 %	64.
Peak intensity	1.500 cd/lm	
Required comp	ponents:	× / / ×
F15176_AN	GELETTE-LENS	
L	0-2 + OPTIC CLIP Z50 TYPE1 2213194-1	
TE: 2213130		
TE: 2213130		34



<b>E</b> LUM	INUS	and the second	84
LED	CDM-14 (Dim-To-Warm)		
FWHM	38.0°		
Efficiency	78 %		
Peak intensity			
Required com			<b>7</b> .
	AMP-VERO13-18		
	GE-RZ-LENS		
Bender Wirth	h: 491 Typ L2		30 <sup>10</sup> 20 <sup>10</sup> 20 <sup>10</sup>
(C LUM	INUS		
LED	CDM-14 (Dim-To-Warm)		
FWHM	35.0°		
Efficiency	83 %		
Peak intensity	1.300 cd/lm		
Required comp	ponents:	the second s	2 <sup>4</sup> <u>800</u>
C13658_CL	AMP-VERO13-18		
Bender Wirth	h: 491 Typ L2		170
			20 0 20 3
ELUM	INUS		99°
LED	CDM-18 (Dim-To-Warm)		
FWHM	41.0°		
Efficiency	78 %		60 <sup>6</sup> 400
Peak intensity	1.100 cd/lm		
Required comp	ponents:		5°.
	AMP-VERO13-18		
	GE-RZ-LENS		
Bender Wirth	h: 491 Typ L2		30° 1200 20°
() LUM	INUS		20-
LED	CDM-18 (Dim-To-Warm)		
FWHM	38.0°		
Efficiency	83 %		
Peak intensity			
Required comp			2 <sup>57</sup>
	AMP-VERO13-18		
Bender Wirth	h: 491 Typ L2		
			30.
			20 V 30



<b>ELUM</b>	INUS	30°
LED	CDM-9 (Dim-To-Warm)	75
FWHM	28.0°	
Efficiency	84 %	60 <sup>4</sup>
Peak intensity	1.700 cd/lm	
Required com	ponents:	er er
C13658_CL	AMP-VERO13-18	
Bender Wirtl	h: 490 Typ L1	
		944 207 04 207 344
	INUS	50°
LED	CDM-9 (Dim-To-Warm)	75
FWHM	32.0°	
Efficiency	80 %	60 · · · · · · · · · · · · · · · · · · ·
Peak intensity	1.400 cd/lm	
Required com	ponents:	
C13658_CL	AMP-VERO13-18	
F13671_AN	GE-RZ-LENS	- 1200 -
Bender Wirtl	h: 490 Typ L1	20° 20° 20° 20°
ELUM	INUS	90 <sup>4</sup>
LED	CTM-14 (Tunable White)	75-
FWHM	39.0°	
Efficiency	79 %	60 <sup>1</sup>
Peak intensity	1.200 cd/lm	
Required com	ponents:	52°
C13584_CL	AMP-VERO29	
F13671_AN	GE-RZ-LENS	
Bender Wirtl	h: 442 Typ L3	904
() LUM	INUS	90°
LED	CTM-14 (Tunable White)	75
FWHM	33.0°	
Efficiency	85 %	
Peak intensity	1.500 cd/lm	
Required com	ponents:	
C13584_CL	AMP-VERO29	
Bender Wirt	h: 442 Typ L3	
		30 <sup>4</sup> 30 <sup>9</sup> 3000 37 <sup>5</sup>



<b>ELUM</b>	INUS		90*90
LED	CTM-22 (Tunable White)		75*
FWHM	42.0°		
Efficiency	84 %		60 <sup>4</sup> 60
Peak intensity	1.200 cd/lm		
Required com	ponents:		ar (a
C13584_CL	AMP-VERO29		
Bender Wirth	h: 494 Typ L3		
			30° 220 30 15° 0° 15°
() LUM	INUS		90 <sup>4</sup>
LED	CTM-22 (Tunable White)		73*
FWHM	43.0°		
Efficiency	79 %		600 65
Peak intensity	1.100 cd/lm		
Required comp			43 <sup>1</sup>
	AMP-VERO29		
	GE-RZ-LENS		
Bender Wirth	h: 494 Typ L3		300 159 1600 159 30
OSRAN	1		30 <sup>4</sup>
LED	PrevaLED Core G7 L15 H1		75
FWHM	40.0°	10 March 10	
Efficiency	82 %		697
Peak intensity	1.200 cd/lm		
Required com	ponents:		97 <sup>-</sup> 000 -
C16685_CL	AMP-PRV-A		
F13671_AN	GE-RZ-LENS		
			30° 12° 0° 12° 31
OSRAN	1		99*
LED	PrevaLED Core G7 L15 H1	and the second se	
FWHM	38.0°		
Efficiency	86 %		
Peak intensity			
Required comp	ponents:		
C16685_CL	AMP-PRV-A		
			1200
			10, 0, 12,



#### **PHOTOMETRIC DATA (MEASURED):**

# XICATO

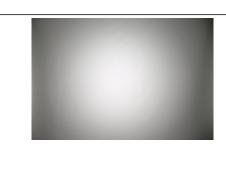
 LED
 XIM - 19mm LES

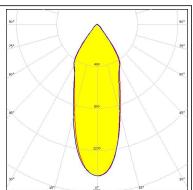
 FWHM
 37.0°

 Efficiency
 88 %

 Peak intensity
 1.400 cd/lm

 Required comments:
 C16491\_XTM-ADAPTER-50-A







#### **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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