

PRODUCT DATASHEET CA11934_EMILY-W

EMILY-W

~40° wide beam 14.74 mm high lens.

SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

Component EMILY-W SPUTNIK-TAPE

Type Single lens Tape

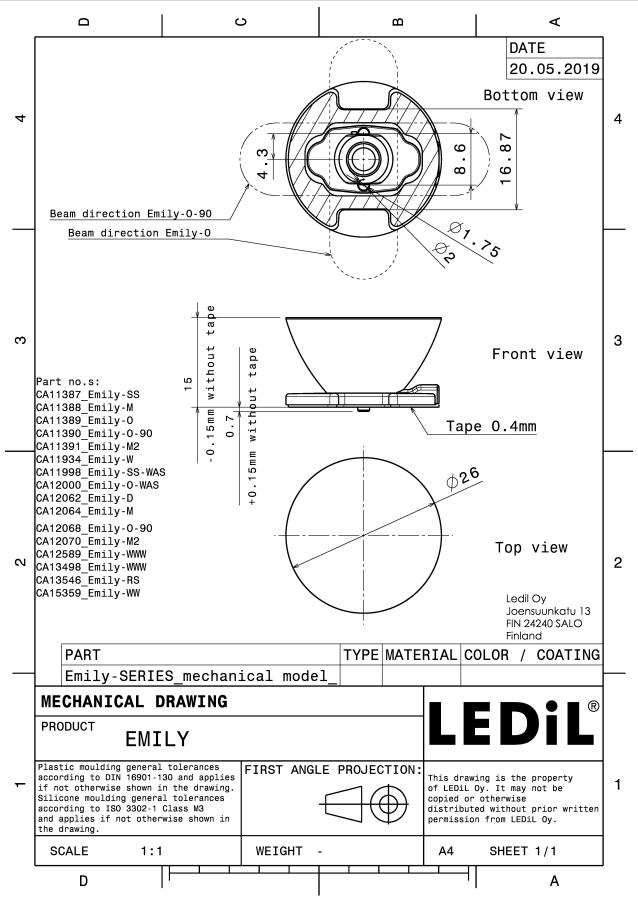
Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11934_EMILY-W	Single lens	1690	260	130	11.8
» Box size: 480 x 280 x 300 mm					



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



		90 ⁴
LED	XHP35 HD	
FWHM / FWTM	39.0° / 72.0°	78
Efficiency	83 %	
Peak intensity	1.6 cd/lm	60° × / / · · · · · · · · · · · · · · · · ·
LEDs/each optic	1 Milian	
Light colour Required compone	White	
Required compone		1220
		30° 30° 30°
		90* 90*
LED	XM-L	737
FWHM / FWTM	36.0°	60° 400
Efficiency	86 %	$(\times / / / \times)$
LEDs/each optic	1	
Light colour	White	er
Required compone	nts:	
		34 35
CREE ÷		90* 90*
	XM-L2	90 ⁴ 90 ⁴
LED	XM-L2 39.0° / 72.0°	2). 2). 2).
LED FWHM / FWTM	39.0° / 72.0°	
LED FWHM / FWTM Efficiency	39.0° / 72.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity	39.0° / 72.0° 86 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	39.0° / 72.0° 86 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White	27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	39.0° / 72.0° 86 % 1.7 cd/lm 1 White	57
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White	27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White	27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White	27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	39.0° / 72.0° 86 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	39.0° / 72.0° 86 % 1.7 cd/lm 1 White nts: XP-E 39.0° / 64.0° 86 % 1.6 cd/lm 1 White	32 40 62 32 30 62 32 30 62



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		90* 90*
LED	XP-E2	
FWHM / FWTM	39.0° / 67.0°	75
Efficiency	84 %	
Peak intensity	1.7 cd/lm	60°
LEDs/each optic	1	
Light colour	White	43* 45*
Required componer		1200
		30° 30°
		15 ⁴ 9 ⁸ 35 ⁵
		90* 90*
LED	XP-G	78
FWHM / FWTM	40.0° / 68.0°	
Efficiency	86 %	60°
Peak intensity	1.5 cd/lm	$f \times / / $
LEDs/each optic	1	
Light colour	White	4 ³
Required componer	nts:	
		4230
		364 364
1		15° 1690 15°
CREE \$		
		90 ⁴ 90 ⁴
LED	XP-G2	
LED FWHM / FWTM	38.0° / 66.0°	
LED FWHM / FWTM Efficiency	38.0° / 66.0° 84 %	
LED FWHM / FWTM Efficiency Peak intensity	38.0° / 66.0° 84 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 66.0° 84 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White Ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3	20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 21 20 20 22 23 24 23 24 25 24 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0° 92 %	20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 21 20 20 22 23 24 23 24 25 24 25 25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer LED FWHM / FWTM Efficiency Peak intensity	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0° 92 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer ELED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer Required componer EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	38.0° / 66.0° 84 % 1.7 cd/lm 1 White hts: XP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	



CREE ÷		90° 90°
LED	XP-L HD	
FWHM / FWTM	38.0° / 71.0°	25* 28*
Efficiency	87 %	
		605 60°
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	197 ⁴ 97 ⁴
Light colour	White	
Required compone	nts:	
		1600
		30*
CREE ÷		90* 90*
LED	XP-L HI	75" 75"
FWHM / FWTM	36.0° / 65.0°	400
Efficiency	86 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gy
Required compone	nts:	
		160
		30* 34*
CREE ≑		15°
LEDS		
LED	XT-E	
FWHM / FWTM	36.0°	
Efficiency	%	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
	EDS	
LED	LUXEON A	
FWHM / FWTM	40.0°	
Efficiency	84 %	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	



UMILEDS

LED	LUXEON Rebel
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour	White
Required componen	its:

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	40.0°
Efficiency	88 %
LEDs/each optic	1
Light colour	White
Required componen	its:

ΜΝΙCΗΙΛ

LED	NCSxx19A
FWHM / FWTM	40.0°
Efficiency	86 %
LEDs/each optic	1
Light colour	White
Required compone	ents:

ØNICHI	k	90* 90*
LED FWHM / FWTM	NS9x383 34.0° / 67.0°	75
Efficiency	84 %	400 607
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	67 ⁴ 65 ⁴
Required component	nts:	360 360 260



		50 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 38.0° / 69.0° 91 % 1.6 cd/lm 1 White	
	\	25 ⁴ 0 ⁴ 25 ⁴
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	NVSxx19A 40.0° 86 % 1 White ents:	
OSRAM Opto Semiconductors		50 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 38.0° / 68.0° 84 % 1.9 cd/lm 1 White ents:	
Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	OSLON SSL 150 40.0° 86 % 1 White ents:	



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OSRAM Opto Semiconductors		24.
LED	OSLON SSL 80	
FWHM / FWTM	40.0° / 70.0°	
Efficiency	86 %	
Peak intensity	1.3 cd/lm	
LEDs/each optic	1	
Light colour	White	gr 00 gr
Required compone		
		20 ⁵⁵ 0 ¹⁰ 15 ⁵⁵
SAMSI	JNG	90 ⁴ 90 ⁴
LED	LH351B	
FWHM / FWTM	38.0° / 68.0°	23'
Efficiency	88 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr at
Required compone	nts:	
		1600
		340 340
0.0.0.0		20 20 20 20 20 20 20 20 20 20 20 20 20 2
SAMSI	JNG	80°
LED	LH351Z	
FWHM / FWTM	39.0° / 68.0°	
Efficiency	85 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	gr at
Required compone	nts:	
		260
		300 237 00 237
SEOUL		
SEOUL SEMICONDUCTOR		
LED	Z5	
FWHM / FWTM	40.0°	
Efficiency	86 %	
LEDs/each optic	1	
Light colour	White	
Required compone		



seour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone		21 10 10 10 10 10 10 10 10 10 10 10 10 10
SHA LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	Double Dome (GM2BB) 40.0° 86 % 1 White	



LEDS		
LED	XM-L HVW	
FWHM / FWTM	36.0°	
Efficiency	%	
LEDs/each optic	1	
Light colour	White	
Required components:		
		90* 90*
LED	XP-G2 HE	75.
FWHM / FWTM	41.0° / 63.0°	400
Efficiency	96 %	60* 60*
Peak intensity	1.9 cd/lm	800
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:		
		1630
		30°
		30" 2000 30 15° 0° 15°
		90° 90°
LEDS	XP-L2	
FWHM / FWTM	38.0° / 60.0°	75*
Efficiency	95 %	
Peak intensity	2.2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	u White	45°
	White	$r \times l \times r$
Required components:		1000
		30° 15° 0° 15° 36°
)\$	90° 90°
LED	LUXEON C	
EED FWHM / FWTM	35.0° / 54.0°	75. 75.
Efficiency	93 %	
		60°
Peak intensity	2.5 cd/lm	$ \times / \rightarrow \times$
LEDs/each optic	1 White	10 ⁻⁴
Light colour	White	1600
Required components:		
		2430
		304 304
		15° 0° 35°



UMILEC	DS S	90° 90'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X 40.0° / 62.0° 97 % 2.1 cd/lm 1 White	
)S	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2Z 32.0° / 50.0° 96 % 3.1 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
		135 [°] 0 [°] 35 [°]
CONTRACTOR OF CO	LUXEON MZ 34.0° / 56.0° 96 % 2.6 cd/lm 1 White	2 ¹ 2 ¹ 2 ¹ 2 ¹ 2 ¹ 300 300 300 300 300 300 300 30
LUMILEC	DS S	90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (120 deg) 40.0° / 57.0° 97 % 2.1 cd/lm 1 White	2° 5° 6° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2° 2°



	DS	90° A 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 36.0° / 56.0° 97 % 2.4 cd/lm 1 White	24. 12. 6. 12. 24. 24. 24. 25. 25. 25. 25. 25. 25. 25. 25. 25. 25
)S	30*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 34.0° / 50.0° 97 % 3 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 30.0° / 56.0° 90 % 2.7 cd/lm 4 White	
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxx19B 45.0° 86 % 1 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°



OSRAM Opto Semiconductors LED	OSCONIQ P 3030	90* 90*
FWHM / FWTM	33.0° / 52.0°	75°
Efficiency	97 %	
Peak intensity	2.9 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	45 45 45
Required components:	White	
rrequired components.		
		30° 30° 30°
OSRAM Opto Semiconductors		50°
LED	OSLON Black	
FWHM / FWTM	36.0° / 49.0°	73
Efficiency	94 %	201 - 200
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:		30° <u>137</u> <u>6° 137</u> 80
OSRAM Opto Semiconductors		90* 90*
LED	OSLON Black Flat (LUW HWQP)	
FWHM / FWTM	32.0° / 45.0°	25* 28*
Efficiency	94 %	
Peak intensity	3.5 cd/lm	100
LEDs/each optic	1	
Light colour	White	gr
Required components:		300 300 300 300 300 300 300 300 300 300



PRODUCT DATASHEET CA11934_EMILY-W

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.

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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