

# 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

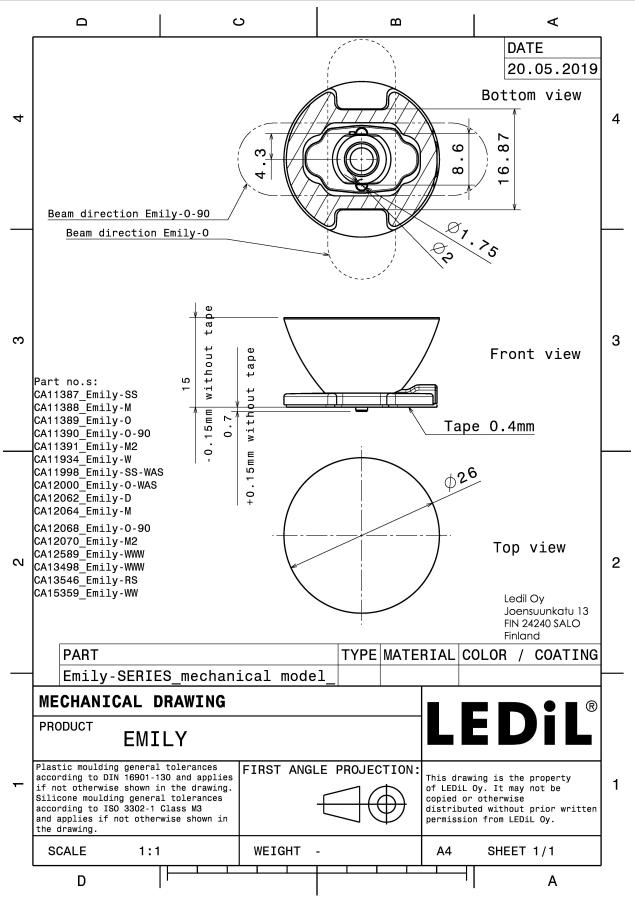
Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

#### **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					



## PRODUCT DATASHEET CA11934\_EMILY-W



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



		30° 30°
LED	XHP35 HD	
FWHM / FWTM	39.0° / 72.0°	73*
Efficiency	83 %	
Peak intensity	1.6 cd/lm	
	1	
LEDs/each optic Light colour	White	e de la companya de la
Required compone		
Required compone		
		30° 15° 0° 15°
UNLE V LE		90*
		75
LED	XM-L	
FWHM / FWTM	36.0°	60°
Efficiency	86 %	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		30° 35° 0° 35°
		90 <sup>4</sup>
LED	XM-L2	
FWHM / FWTM	39.0° / 72.0°	73'
Efficiency	86 %	
Peak intensity	1.7 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	gr
Required compone		
		30* 30*
		50° 50°
LED	XP-E	75
FWHM / FWTM	39.0° / 64.0°	
Efficiency	86 %	60* 60*
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	<b>84</b>
		45*
Light colour	White	
Light colour Required compone		



		90* 90*
LED	XP-E2	
FWHM / FWTM	39.0° / 67.0°	75* 75*
Efficiency	84 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	a. e.
Required compone	nts:	1230
		(621
		30* 30*
	7	90 <sup>4</sup>
		30-
	XP-G	75
FWHM / FWTM Efficiency	40.0° / 68.0° 86 %	400
Peak intensity	00 % 1.5 cd/lm	60*
LEDs/each optic	1	
Light colour	White	47 AC
Required compone		
		1230
		30°
		15% 16% 15%
		90° 90°
LED	XP-G2	
FWHM / FWTM	38.0° / 66.0°	400
Efficiency	84 %	
	64 %	60°
Peak intensity	64 % 1.7 cd/lm	80 <sup>4</sup> 80 <sup>4</sup>
Peak intensity LEDs/each optic	1.7 cd/lm 1	60 <sup>4</sup>
Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White	gr
Peak intensity LEDs/each optic	1.7 cd/lm 1 White	61 62 60 00 00 00 00 00 00 00 00 00 00 00 00
Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White	₹. 500 500 500 500 500 500 500 50
Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White	er er 120 160
Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White	20- 20- 20- 20- 20- 20- 20- 20-
Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White nts:	
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White nts:	200 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White nts: XP-G3	200 200 200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White nts: XP-G3 36.0° / 70.0°	200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White nts: XP-G3 36.0° / 70.0° 92 %	200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White nts: XP-G3 36.0° / 70.0°	200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compone CREE ULED LED FWHM / FWTM Efficiency Peak intensity	1.7 cd/lm 1 White nts: XP-G3 36.0° / 70.0° 92 % 1.7 cd/lm	200 200 200 200 200 200 200 200
Peak intensity LEDs/each optic Light colour Required compone CREE UED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	1.7 cd/lm 1 White xP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White xP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1.7 cd/lm 1 White xP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	
Peak intensity LEDs/each optic Light colour Required compone	1.7 cd/lm 1 White xP-G3 36.0° / 70.0° 92 % 1.7 cd/lm 1 White	



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		20 <sup>3</sup>
LED	XP-L HD	
FWHM / FWTM	38.0° / 71.0°	32
Efficiency	87 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required compone		
		160
		25° 0° 15°
		90 <sup>4</sup> 95 <sup>4</sup>
LED	XP-L HI	
FWHM / FWTM	36.0° / 65.0°	73' - 600 - 75'
Efficiency	86 %	
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	g. g.
Required compone	nts:	
		- 169
		30" 3."
		10
	XT-E	
FWHM / FWTM	36.0°	
Efficiency	% 4.5.1/	
Peak intensity	1.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	lið.	
UMIL	EDS	
LED	LUXEON A	
FWHM / FWTM	40.0°	
Efficiency	84 %	
LEDs/each optic	1	
Light colour	White	
Required compone		



### UMILEDS

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

### LUMILEDS

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

### **Μ**ΝΙCΗΙΛ

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

- 1		
<b>∕∕</b> NICHI∕	N Contraction of the second seco	30'
LED	NS9x383	79
FWHM / FWTM	34.0° / 67.0°	
Efficiency	84 % 1.8 cd/lm	
Peak intensity LEDs/each optic	1.8 cu/im 1	
Light colour	White	
Required compone	ents:	
		1500
		30°



<b></b>		
<b>ØNICHI</b>		50* 50*
LED	NVSW219F	
FWHM / FWTM	38.0° / 69.0°	75'
Efficiency	91 %	
Peak intensity	1.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	97°
Required compone		
		- 1230
		 30 00 159 00 159
ØNICHI/		
LED	NVSxx19A	
FWHM / FWTM	40.0°	
Efficiency	86 %	
LEDs/each optic	1	
Light colour	White	
Required compone		
OSRAM Opto Semiconductors		<u>19</u> *
LED	OSLON Square EC	75'
FWHM / FWTM	38.0° / 68.0°	
Efficiency	84 %	60.4 60.4
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	6°.
Required compone	nts:	
		1600
		30° 30° 30°
OSRAM Opto Semiconductors		
LED		
LEU		
	OSLON SSL 150	
FWHM / FWTM	40.0°	
FWHM / FWTM Efficiency	40.0° 86 %	
FWHM / FWTM Efficiency LEDs/each optic	40.0° 86 % 1	
FWHM / FWTM Efficiency LEDs/each optic Light colour	40.0° 86 % 1 White	
FWHM / FWTM Efficiency LEDs/each optic	40.0° 86 % 1 White	
FWHM / FWTM Efficiency LEDs/each optic Light colour	40.0° 86 % 1 White	
FWHM / FWTM Efficiency LEDs/each optic Light colour	40.0° 86 % 1 White	



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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 <sup>55</sup> 0 <sup>10</sup> 15 <sup>55</sup>
SAMSI	JNG	90 <sup>4</sup> 90 <sup>4</sup>
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
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
		30° 0° 13°
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	



### **OPTICAL RESULTS (SIMULATED):**

LED	XM-L HVW	
FWHM / FWTM	36.0°	
Efficiency	%	
-		
LEDs/each optic	1	
Light colour	White	
Required components:		
		90° 90°
LED	XP-G2 HE	
FWHM / FWTM	41.0° / 63.0°	400.
Efficiency	96 %	60°
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	47° 1220 67°
Required components:		
		30°
		2000 15° 0° 15°
		90*
LED	XP-L2	
FWHM / FWTM	38.0° / 60.0°	23.
Efficiency	95 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	a, a,
Required components:		
		1600
		30°
<b>A</b>		159 00 159
		90° 90°
LED	LUXEON MZ	75.
FWHM / FWTM	34.0° / 56.0°	
Efficiency	96 %	60°
Peak intensity	2.6 cd/lm	$  \times / /   \wedge \times  $
LEDs/each optic	1	
Light colour	White	eg* eg*
Required components:		
		2120
		300 300



### **OPTICAL RESULTS (SIMULATED):**

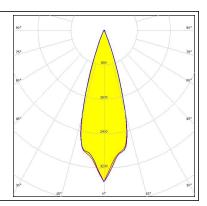
-		
<b>Μ</b> ΝΙCΗΙΛ		90*
LED	NCSxE17A	79
FWHM / FWTM	30.0° / 56.0°	
Efficiency	90 %	60°
Peak intensity	2.7 cd/lm	
LEDs/each optic	4	5° 1000 47°
Light colour	White	$\tilde{\kappa}$ / / $\tilde{\Gamma}$ / $\tilde{\Lambda}$
Required components:		
		2400
		30° 32° 0° 35°
<b>Μ</b> ΝΙCΗΙΛ		90°
LED	NCSxx19B	
FWHM / FWTM	45.0°	
Efficiency	86 %	60 <sup>4</sup> 400 60 <sup>4</sup>
Peak intensity	1 cd/lm	$\land \land $
LEDs/each optic	1	X  /  V  >  X
Light colour	White	es.
Required components:		
		30°
0000414		
OSRAM Onto Semiconductors		90 <sup>4</sup> 90 <sup>6</sup>
Opto Semiconductors	OSCONIO P 3030	50°
Opto Semiconductors	OSCONIQ P 3030 33.0° / 52.0°	<u>8</u> , <u>8</u> , <u>8</u> ,
Opto Semiconductors LED FWHM / FWTM	33.0° / 52.0°	
opto Semiconductors LED FWHM / FWTM Efficiency	33.0° / 52.0° 97 %	77
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	33.0° / 52.0°	77
opto Semiconductors LED FWHM / FWTM Efficiency	33.0° / 52.0° 97 % 2.9 cd/lm	77
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	33.0° / 52.0° 97 % 2.9 cd/lm 1	77
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	33.0° / 52.0° 97 % 2.9 cd/lm 1	77
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	33.0° / 52.0° 97 % 2.9 cd/lm 1	77
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	33.0° / 52.0° 97 % 2.9 cd/lm 1	77
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	33.0° / 52.0° 97 % 2.9 cd/lm 1	95 64 77 80 80 80 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	33.0° / 52.0° 97 % 2.9 cd/lm 1 White	95 64 77 80 80 80 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black	95 64 77 80 80 80 80 80 90 90 90 90 90 90 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0° 94 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0° 94 % 2.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0° 94 % 2.8 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0° 94 % 2.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0° 94 % 2.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	33.0° / 52.0° 97 % 2.9 cd/lm 1 White OSLON Black 36.0° / 49.0° 94 % 2.8 cd/lm 1	



#### **OPTICAL RESULTS (SIMULATED):**

#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSLON Black Flat 32.0° / 45.0° 94 % 3.5 cd/lm 1 White





## 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

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

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