

PRODUCT DATASHEET CA12062_EMILY-D

EMILY-D

~11° diffused spot beam. 14.74 mm high lens.

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

Component EMILY-D SPUTNIK-TAPE **Type** Single lens Tape

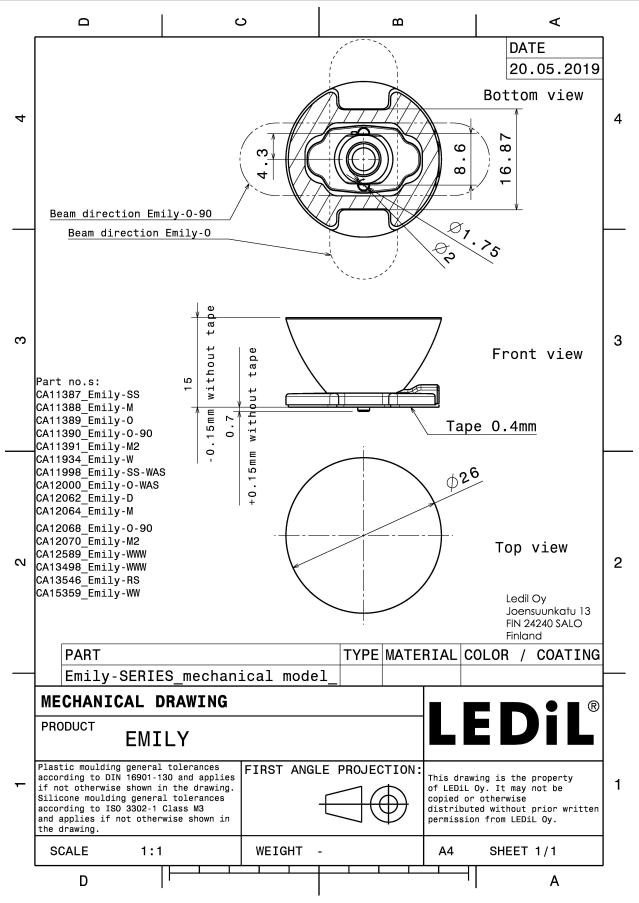
Material	Colour	Finish
PMMA	clear	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12062_EMILY-D	Single lens	1690	260	130	10.5
» Box size: 480 x 280 x 300 mm					



PRODUCT DATASHEET CA12062_EMILY-D



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



ODEE A NET		
		90 ³ 90 ³
LED	ХВ-Н	
FWHM / FWTM	10.0° / 22.0°	75
Efficiency	89 %	
Peak intensity	17.5 cd/lm	800 80
LEDs/each optic	1	
Light colour	White	
Required compone		
		300 310
		10 10 10 10 10 10 10 10 10 10 10 10 10 1
		90 ⁴ 90 ⁴
LED	XD16	73. 75
FWHM / FWTM	8.0° / 18.0°	
Efficiency	92 %	60 ²
Peak intensity	18.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		20 ⁶ 12000 20 ⁶
	1	80 ⁴
LED	XHP35 HI	
FWHM / FWTM		
	11.0* / 22.0*	
	11.0° / 22.0° 92 %	
Efficiency	92 %	
Efficiency Peak intensity		
Efficiency Peak intensity LEDs/each optic	92 % 14.5 cd/lm	
Efficiency Peak intensity	92 % 14.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	92 % 14.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	92 % 14.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	92 % 14.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts:	20 vilio 13
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts:	20 vilio 13
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts: XM-L	20 vilio 13
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0°	20 vilio 13
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0° 90 %	20 vilio 13
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm	20 vilio 13
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White nts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEE>LEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone CREEC/LED EWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	92 % 14.5 cd/lm 1 White hts: XM-L 14.0° / 27.0° 90 % 10.1 cd/lm 1 White	



		50 ⁴	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L2 14.0° / 27.0° 90 % 10.2 cd/lm 1 White	93 93 95	600 - 75 [°]
		30 25	6000 00 25°
		90 ⁴	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 8.0° / 18.0° 87 % 27.3 cd/lm 1 White nts:	20 20 21 22	
		90°	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G2 10.0° / 20.0° 90 % 20.8 cd/lm 1 White	75 75 60 75 75 75 75 75 75 75 75 75 75 75 75 75	4 12
CREE CLED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G3 11.0° / 24.0° 94 % 13 cd/lm 1 White	99* 73 94 95 95 95 95 95 95 95 95 95 95 95 95 95	600 1000 1



		90° 90°
LED	XP-L HD	
FWHM / FWTM	13.0° / 26.0°	29.
Efficiency	90 %	220
Peak intensity	10.2 cd/lm	60°
LEDs/each optic	1	
Light colour	White	95° 6430 43°
Required component		
		300-
		135 [°] 0 [°] 15°
		90° 90°
LED	XP-L HI	23.
FWHM / FWTM	9.0° / 19.0°	
Efficiency	87 %	69°
Peak intensity	20 cd/lm	
LEDs/each optic	1	
Light colour	White	82, T3500 63,
Required component	nts:	
		X / X
		36*
LED	– XT-E	
FWHM / FWTM	9.0°	
Efficiency	%	
Peak intensity	14 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required component		
	EDS	
LED	LUXEON A	
FWHM / FWTM	11.0°	
Efficiency	91 %	
LEDs/each optic	1	
Light colour	White	
Required component		
1		



	EDC	
LUMIL LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	LUXEON Rebel ES 10.0° 91 % 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NS9x383 14.0° / 30.0° 90 % 7.9 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 9.0° / 20.0° 86 % 20.1 cd/lm 1 White nts:	
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 12.0° / 25.0° 88 % 14 cd/lm 1 White	



SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 10.0° / 21.0° 88 % 20 cd/lm 1 White	
seous SHALCONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M1/Z5M2 10.0° / 20.0° 94 % 18.2 cd/lm 1 White ents:	
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z8Y22P 11.0° / 24.0° 93 % 11.3 cd/lm 1 White ents:	



PHOTOMETRIC DATA (SIMULATED):

LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XM-L HVW 14.0° / 27.0° % 1 White	94° 95° 95° 95° 95° 95° 95° 95° 95° 95° 95
		90* 90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 12.0° / 24.0° 95 % 15.2 cd/lm 1 White	30, 10, 0, 10, 22, 22, 22, 22, 22, 22, 24, 200 65, 65, 65, 20, 60, 60, 65, 65, 20, 60, 60, 65, 65, 20, 60, 60, 65, 65,
CUMILEC LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON MZ 14.0° / 28.0° 95 % 10.7 cd/lm 1 White	5° 3° 4° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 10.0° / 20.0° 93 % 21.8 cd/lm 1 White	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°



PHOTOMETRIC DATA (SIMULATED):

ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 16.0° / 34.0° 89 % 6.3 cd/lm 4 White	300,0 A condinate value X coordinate value	27 27 27 27 27 27 27 27 27 27
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxE21A 10.0° / 22.0° 94 % 18.6 cd/lm 1 White		21 ⁴ 2000 25 ⁴
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ C 2424 10.0° / 18.0° 96 % 24.8 cd/lm 1 White		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 9.9° / 20.0° 94 % 22.5 cd/lm 1 White		No. No. No. No. 62 1000 64 22 22 1000 64 22 22 1000 64 22 23 640 640 64 23 640 640 64 23 640 64 64 24 75 64 75



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		
LED	SFH 4725AS	
FWHM / FWTM	11.0° / 22.0°	
Efficiency	95 %	
LEDs/each optic	1	
Light colour	IR	9 ¹⁷ et
Required component	ts:	20 ¹⁶ 1200 20 ¹⁶ 1200 20 ¹⁶ 120



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.

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

Last update: 31/01/2022 Subject to change without prior notice LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.