

# PRODUCT DATASHEET CA13546\_EMILY-RS

## **EMILY-RS**

~8° spot beam. 14.74 mm high lens.

#### **SPECIFICATION:**

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



**Component** EMILY-RS SPUTNIK-TAPE

#### **Type** Single lens Tape

LEDiĽ	1. W	
Material	Colour	Finish
PMMA	clear	

black

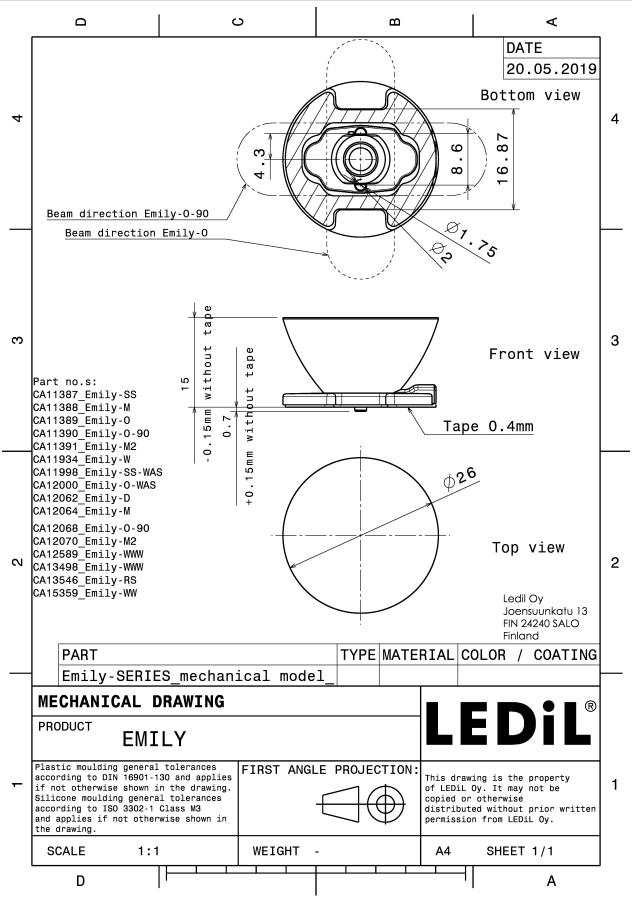
Acrylic foam

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13546_EMILY-RS	Single lens	1690	260	130	10.3
» Box size: 480 x 280 x 300 mm					



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



		91 <sup>4</sup> 95 <sup>4</sup>
LEDS FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XB-H 9.0° / 17.0° 88 % 24.7 cd/lm 1 White ents:	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 6.0° / 11.0° 96 % 57.6 cd/lm 1 White ents:	24. 26. 26. 26. 26. 26. 26. 26. 26
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G3 10.0° / 18.0° 94 % 18 cd/lm 1 White	
Required compone		
LEDS FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HD 13.0° / 23.0° 89 % 13.1 cd/lm 1 White ents:	775 - 755 640 - 640 677 - 640 640 -



		30* 31*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L HI 8.0° / 15.0° 88 % 28 cd/lm 1 White mts:	
		90 <sup>4</sup> 90 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-L2 13.0° / 25.0° 93 % 10 cd/lm 1 White ints:	
CREE ≑		
LEDs FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XQ-E HI 4.0° / 9.0° 94 % 71.1 cd/lm 1 White ints:	
CREE S LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XT-E 8.0° / 16.0° 91 % 23.9 cd/lm 1 White 	



	EDS	50° 50°
LED	LUXEON Z ES	
FWHM / FWTM	5.0° / 11.0°	75 75
Efficiency	91 %	
Peak intensity	52 cd/lm	60° × 10
LEDs/each optic	1	
Light colour	White	of of the second s
Required compone		
rtequired compone		
~		
<b>ØNICHI</b>		50 <sup>4</sup> 50 <sup>4</sup>
LED	NVSW219D	75
FWHM / FWTM	10.0° / 18.0°	
Efficiency	94 %	665
Peak intensity	20.1 cd/lm	
LEDs/each optic	1	
Light colour	White	¢* 1300
Required compone	nts:	
		150V
		30 <sup>4</sup> 30 <sup>4</sup>
<b>ØNICHI</b>		90* A 19*
LED	NVSW719AC	
FWHM / FWTM	9.0° / 15.0°	72
Efficiency	95 %	
Peak intensity	28.4 cd/lm	
LEDs/each optic	1	
Light colour	White	er et
Required compone	nts:	
		20*
OSRAM		
Opto Semiconductors	OSLON Square EC	
LED FWHM / FWTM	8.0° / 15.0°	
Efficiency	90 %	
Peak intensity	29.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		



OSRAM Opto Semiconductors			
LED	PLPVEC2 850A		
FWHM / FWTM	4.0° / 11.0°		
Efficiency	%		
LEDs/each optic	1		
Light colour	IR		
Required compone	nts:		
			30/*
LED	nPola		
FWHM / FWTM	5.0°		
Efficiency	94 %		500 - 3 <mark>200</mark> - 5
Peak intensity	81.2 cd/lm		
LEDs/each optic	1		
Light colour	White		97 <sup>2</sup> 9209 6
Required compone	nts:		
			1
			30° 15" 0° 15"
SEOUL			90° A
LED	Z5M1/Z5M2		
FWHM / FWTM	9.0° / 15.0°		781
Efficiency	91 %		Read And And And And And And And And And An
Peak intensity	23.7 cd/lm		=
LEDs/each optic	1		
Light colour	White		
Required compone	nts:		
			13000
			30.0
			15° 25600 15°



		90* 90*
	XHP35 HI	
LED FWHM / FWTM	10.0° / 18.0°	75
Efficiency	96 %	eeee
Peak intensity	22 cd/lm	60°
LEDs/each optic	1	
Light colour	' White	475 455
Required components:	Wine	
		X   X
		Locard Locard
		30° 15° 0° 35° 36°
		90* A 90*
LED	XP-G2	
FWHM / FWTM	8.0° / 16.0°	23. 25.
Efficiency	94 %	60°
Peak intensity	30.4 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:		
		$\times$ / $\vee$ $\times$
		30* 3000 30*
		15° 0° 15°
		50° <b>A</b>
	XP-G2 HE	
	XP-G2 HE 10.0° / 20.0°	39 <sup>4</sup> 39 <sup>4</sup>
LED		
LED FWHM / FWTM	10.0° / 20.0°	
LED FWHM / FWTM Efficiency	10.0° / 20.0° 95 %	
LED FWHM / FWTM Efficiency Peak intensity	10.0° / 20.0° 95 % 19.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 95 % 19.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1	73°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1	37
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0° / 20.0° 95 % 19.1 cd/lm 1	20 20 20 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0° / 20.0° 95 % 19.1 cd/lm 1 White	37
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0° / 20.0° 95 % 19.1 cd/lm 1 White	20 20 20 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LEDs LED FWHM / FWTM	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0°	20 20 20 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 %	20 20 20 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm	20 20 20 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm	20 20 20 20 10 10 10 10 10 10 10 10 10 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 95 % 19.1 cd/lm 1 White XP-P 6.0° / 12.0° 96 % 63.8 cd/lm 1	



UMILEC	DS	90°
LED	LUXEON C	75
FWHM / FWTM	7.0° / 16.0°	
Efficiency	94 %	60° 2200 6
Peak intensity	37.3 cd/lm	
LEDs/each optic	1	
Light colour	Royal Blue	
Required components:		
		36 <sup>6</sup> 33 <sup>6</sup> 00 3
	)S	90*
LED	LUXEON HL2Z	
FWHM / FWTM	8.0° / 18.0°	75' 200
Efficiency	96 %	
Peak intensity	27.7 cd/lm	
LEDs/each optic	1	
Light colour	White	93× 4
Required components:		
		$\times$ $\land$ $\land$ $\times$
		30
		15° 0° 35°
		90* 90
LED	LUXEON MZ	79:
FWHM / FWTM	14.0° / 26.0°	
Efficiency	95 %	60° 6
Peak intensity		
	10.7 cd/lm	$[X / / ] \land X$
LEDs/each optic	1	
LEDs/each optic Light colour		e <sup>7</sup> 660 e
LEDs/each optic	1	g
LEDs/each optic Light colour	1	
LEDs/each optic Light colour	1	97 600
LEDs/each optic Light colour	1	
LEDs/each optic Light colour Required components:	1 White	
LEDs/each optic Light colour Required components:	1 White	<u>20* 10* 00 10* 0</u>
LEDs/each optic Light colour	1 White	
LEDs/each optic Light colour Required components:	1 White	<u>20* 10* 00 10* 0</u>
LEDs/each optic Light colour Required components:	1 White DS LUXEON Rebel 6.0° / 14.0°	<u>20* 10* 00 10* 0</u>
LEDs/each optic Light colour Required components:	1 White <b>DS</b> LUXEON Rebel 6.0° / 14.0° 94 %	<u>20* 10* 00 10* 10* 10* 10* 10* 10* 10* 10</u>
LEDs/each optic Light colour Required components: <b>UDMILE</b> ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White S LUXEON Rebel 6.0° / 14.0° 94 % 41.5 cd/lm	<u>20* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 00 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 12* 000 100 10* 000 10* 000 10* 000 10* 000 10* 000 10* 000 10* 000 10* 000 1000 10* 000 10* 0000 10* 000 10* 0000</u>
LEDs/each optic Light colour Required components: UED FWHM / FWTM Efficiency Peak intensity	1 White S LUXEON Rebel 6.0° / 14.0° 94 % 41.5 cd/lm 1	
LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White S LUXEON Rebel 6.0° / 14.0° 94 % 41.5 cd/lm 1	
LEDs/each optic Light colour Required components: <b>Control Control</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	1 White S LUXEON Rebel 6.0° / 14.0° 94 % 41.5 cd/lm 1	



UMILEC	)S	90* <b>9</b> 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rebel Plus 6.0° / 14.0° 94 % 42.1 cd/lm 1 White	27 - 200 - 27 27 - 200 - 4 200 - 4 200 - 4 200 - 4 200 - 4 200 - 4 20 20 20 20 20 20 20 20 20 20 20 20 20
	)S	90* 99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 6.0° / 12.0° 96 % 67.4 cd/lm 1 Red	71
	DS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 6.0° / 12.0° 96 % 63.9 cd/lm 1 Blue	200 200 200 200 200 200 200 200
	DS S	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 6.0° / 12.0° 96 % 64.5 cd/lm 1 Green	71 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 72 91 70 70 70 70 70 70 70 70 70 70 70 70 70



UMILEC	DS Contraction of the second	904
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 6.0° / 12.0° 96 % 62.6 cd/lm 1 White	27 09 57 50 50 50 50 50 50 50 50 50 50
	)S	90 <sup>4</sup> 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON SunPlus 20 Line (120 deg) 6.0° / 13.0° 96 % 50.8 cd/lm 1 White	73 54 54 54 54 54 54 54 54 54 54 54 54 54
		( 15 <sup>9</sup> 0 <sup>9</sup> 15 <sup>9</sup>
CUMILEE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z 5.9° / 12.0° 94 % 65.3 cd/lm 1 White	
<b>WICHIA</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NCSxE17A 6.0° / 16.0° 93 % 35.5 cd/lm 1 White	



Image: Nichin         **           LED         NCSxE17A           FWHM / FWTM         8.0° / 16.0°           Efficiency         92 %	
FWHM / FWTM 8.0° / 16.0°	90
Efficiency 92 %	
	w
Peak intensity 32.5 cd/lm	
LEDs/each optic 1	
Light colour White	
Required components:	
30" 137 0"	15, 30
	90
LED NVSW3x9A	
FWHM / FWTM 12.0° / 22.0°	2
Efficiency 95 %	$\langle \rangle$
Peak intensity 16.3 cd/lm	
LEDs/each optic 1	
Light colour White	
Required components:	
	35°
	90
LED NVSxE21A	
75*	
FWHM / FWTM 8.0° / 18.0°	
FWHM / FWTM         8.0° / 18.0°           Efficiency         93 %	
X / THIS	
Efficiency 93 %	
Efficiency 93 % Peak intensity 26.2 cd/lm	
Efficiency     93 %       Peak intensity     26.2 cd/lm       LEDs/each optic     1	
Efficiency     93 %       Peak intensity     26.2 cd/lm       LEDs/each optic     1       Light colour     White	
Efficiency     93 %       Peak intensity     26.2 cd/lm       LEDs/each optic     1       Light colour     White	
Efficiency     93 %       Peak intensity     26.2 cd/lm       LEDs/each optic     1       Light colour     White	
Efficiency 93 % Peak intensity 26.2 cd/lm LEDs/each optic 1 Light colour White Required components:	
Efficiency 93 %   Peak intensity 26.2 cd/lm   LEDs/each optic 1   Light colour White   Required components: ************************************	
Efficiency 93 %   Peak intensity 26.2 cd/lm   LEDs/each optic 1   Light colour White   Required components:	
Efficiency       93 %         Peak intensity       26.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:       Vinite         VICCHIN       NVSxE21A         FWHM / FWTM       8.0° / 18.0°	32
Efficiency 93 %   Peak intensity 26.2 cd/lm   LEDs/each optic 1   Light colour White   Required components:	32
Efficiency       93 %         Peak intensity       26.2 cd/m         LEDs/each optic       1         Light colour       White         Required components:       Visite         VICCHIN       NVSxE21A         FWHM / FWTM       8.0° / 18.0°         Efficiency       94 %         Peak intensity       27.8 cd/m	32
Efficiency       93 %         Peak intensity       26.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	32
Efficiency 93 %   Peak intensity 26.2 cd/lm   LEDs/each optic 1   Light colour White   Required components:	137 137 137
Efficiency       93 %         Peak intensity       26.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	137 137 137
Efficiency 93 %   Peak intensity 26.2 cd/lm   LEDs/each optic 1   Light colour White   Required components:	137 137 137
Efficiency       93 %         Peak intensity       26.2 cd/lm         LEDs/each optic       1         Light colour       White         Required components:	137 137 137



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 10.0° / 18.0° 95 % 22.4 cd/lm 1 White	20- 20- 20- 20- 20- 20- 20- 20-
OSRAM		50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S5 (Single chip) 8.0° / 18.0° 96 % 25.4 cd/lm 1 White	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
OSRAM		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S5 (Single chip) 9.0° / 18.0° 89 % 23.2 cd/lm 1 Purple	20° 20° 20° 20° 20° 20° 20° 20° 20° 20°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ C 2424 8.0° / 16.0° 96 % 36.2 cd/lm 1 White	5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup> 5 <sup>1</sup>



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3030 10.0° / 20.0° 96 % 20.8 cd/lm 1 White	72. 6. 72. 95. 20. 65. 6. 65. 6. 65. 6. 65. 6. 65. 6. 65. 6. 65. 6. 65. 6. 65. 6. 70. 6. 70. 6. 70. 6. 70. 6. 70. 6. 70. 70. 70. 70. 70. 70. 70. 70.
OSRAM Opto Semiconductors		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Black 11.0° / 20.0° 94 % 19.7 cd/lm 1 White	55 57 59 50 50 50 50 50 50 50 50 50 50 50 50 50
		15° 0° 15°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Black Flat (LUW HWQP) 6.3° / 14.0° 94 % 50.4 cd/lm 1 White	25° 0° 15° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON PURE 1010 8.0° / 16.0° 93 % 29.8 cd/lm 1 White	200 J2, 200 J2



OSRAM Opto Semiconductors		90* 90*
UED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	11.0° / 21.0°	25* 25*
Efficiency	94 %	
Peak intensity	19.4 cd/lm	607 6400 640
LEDs/each optic	1	
Light colour	White	9" × ( ) × ( )
Required components:	White	12800
		X     X
		30° 30° 30° 30°
OSRAM Opto Semiconductors		90* 90*
LED	OSLON SSL 120	
FWHM / FWTM	7.0° / 14.0°	20
Efficiency	96 %	50° 50°
Peak intensity	45.5 cd/lm	
LEDs/each optic	1	
Light colour	Amber	45°
Required components:		
		300 300
		153 00 159
OSRAM Opto Semiconductors		90 <sup>*</sup> 90 <sup>*</sup>
LED	OSLON SSL 150	
LED FWHM / FWTM	OSLON SSL 150 7.0° / 14.0°	737
		75
FWHM / FWTM	7.0° / 14.0°	69
FWHM / FWTM Efficiency	7.0° / 14.0° 96 %	60. 20. 20.
FWHM / FWTM Efficiency Peak intensity	7.0° / 14.0° 96 % 44.5 cd/lm	a. 200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	7.0° / 14.0° 96 % 44.5 cd/lm 1	5°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	7.0° / 14.0° 96 % 44.5 cd/lm 1	5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	7.0° / 14.0° 96 % 44.5 cd/lm 1	6. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	7.0° / 14.0° 96 % 44.5 cd/lm 1	20 61 23 23 23 23 24 25 25 25 25 25 25 25 25 25 25 25 25 25
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1	20 20 20 20 20 20 20 20 20 20
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber	22
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 % 47.7 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 % 47.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 % 47.7 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 % 47.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ODESEMMON Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 % 47.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	7.0° / 14.0° 96 % 44.5 cd/lm 1 Amber OSLON SSL 150 6.0° / 14.0° 96 % 47.7 cd/lm 1	



r		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 80 7.0° / 14.0° 94 % 38 cd/lm 1 White	54 300 34 54 54 54 54 54 54 54 54 54 5
OSRAM Opto Semiconductors		90°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4170S 6.0° / 11.0° 87 % 1 IR	25
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4716AS 8.0° / 14.0° 96 % 1 IR	200 00 100 100 100 100 100 100 100 100 1
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4725AS 8.0° / 18.0° 95 % 1 IR	20 20 20 20 20 20 20 20 20 20



SAMSU	NG	95* A. 95*
LED	LM301B	75
FWHM / FWTM	9.0° / 18.0°	
Efficiency	94 %	
Peak intensity	28.5 cd/lm	
LEDs/each optic	1	
Light colour	White	54
Required component	s:	
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>4</sup>



# PRODUCT DATASHEET CA13546\_EMILY-RS

#### **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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