

# PRODUCT DATASHEET CA18089\_LEILA-Y-RS

# LEILA-Y-RS

~10° spot beam. 14.8 mm high assembly with holder, installation tape and pins.

## **SPECIFICATION:**

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



## MATERIALS:

Component LEILA-Y-RS LEILA-Y-HLD LEILA-Y-TAPE

Туре	
Single lens	
Holder	
Таре	

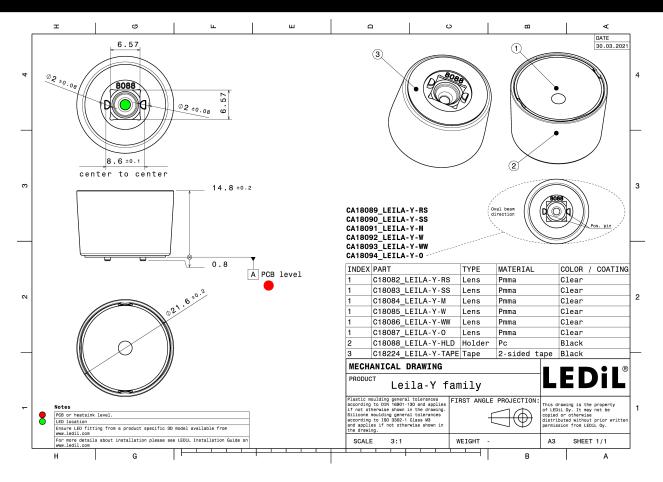
Material	Colour	Finish
PMMA	clear	gloss
PC	black	gloss
Acrylic foam		

## **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18089_LEILA-Y-RS	1800	180	180	7.6
» Box size: 476 x 273 x 197 mm				

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



## **OPTICAL RESULTS (MEASURED):**

			90° A 90°
LED	NVSW719AC		
FWHM / FWTM	12.0° / 21.0°	proven and the second s	23* 25*
Efficiency	87 %		60.5
Peak intensity	15.3 cd/lm		6330
LEDs/each optic	1		
Light colour	White		900 900
Required compone	nts:		20 20 20 20 20 20 20 20 20 20
OSRAM			
Opto Semiconductors			90° 90°
	OSLON Square CSSRM2/CSSRM3		
Opto Semiconductors	OSLON Square CSSRM2/CSSRM3 11.0° / 20.0°		94 <sup>4</sup> 92 <sup>4</sup>
Opto Semiconductors			77
Opto Semiconductors LED FWHM / FWTM	11.0° / 20.0°		
opto Semiconductors LED FWHM / FWTM Efficiency	11.0° / 20.0° 87 %		77
<sup>opto Semiconductors</sup> LED FWHM / FWTM Efficiency Peak intensity	11.0° / 20.0° 87 % 17.4 cd/lm		77



CREE LED	XHP35 HD 18.0° / 35.0° 79 % 6 cd/lm 1 White	200 200 200 200 200 200 200 200
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35 HI 14.0° / 26.0° 87 % 11.4 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50
CREE LED	XM-L RGBW (XMLDCL HD) 22.0° / 36.0° 80 % 4.7 cd/lm 1 RGBW	50 50 50 50 50 50 50 50 50 50
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XM-L2 16.0° / 30.0° 85 % 8 cd/lm 1 White	30. 30. 30.   20. 20.0 20.0   20. 20.0 60.   30. 20.0 60.   30. 20.0 60.   30. 20.0 60.   30. 20.0 60.   30. 20.0 60.   30. 20.0 60.



		90 <sup>4</sup>
LED	XM-L3	75.
FWHM / FWTM	15.0° / 29.0°	
Efficiency	80 %	60° 50°
Peak intensity	8.7 cd/lm	
LEDs/each optic	1	
Light colour	White	93*
Required components:		600
		30* 36*
		157
		90° 90°
LED	XP-E2	75. 75.
FWHM / FWTM	9.0° / 18.0°	kaon kaon kaon kaon kaon kaon kaon kaon
Efficiency	91 %	60°
Peak intensity	30 cd/lm	1200
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		$\times$ / $\vee$ $\times$
		30* 30* 30* 30*
		50° 50°
		50°
LED	XP-G2	37 37 99 99
LED FWHM / FWTM	11.0° / 21.0°	99 <sup>5</sup> 37
LED FWHM / FWTM Efficiency	11.0° / 21.0° 90 %	9 <sup>1</sup> 27 27 600 600
LED FWHM / FWTM Efficiency Peak intensity	11.0° / 21.0° 90 % 19 cd/lm	97 <sup>*</sup> 75 <sup>*</sup> 84 <sup>*</sup> 6600 6600 662 <sup>*</sup> 66 <sup>*</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 21.0° 90 % 19 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm	5° 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	11.0° / 21.0° 90 % 19 cd/lm 1	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1	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>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1	25° (° 12° 3° 6° 1000 100
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1	1000 30 <sup>4</sup> 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White	84. 86. 1000 1000 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White	1000 30 <sup>4</sup> 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4° 85 %	84. 86. 1000 1000 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4°	1000 30 <sup>4</sup> 30 <sup>4</sup> 3
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4° 85 % 11.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4° 85 % 11.5 cd/lm	1000 30 <sup>4</sup> 30 <sup>4</sup> 3
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4° 85 % 11.5 cd/lm 1	1000 1000 30 <sup>4</sup> 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4° 85 % 11.5 cd/lm 1	1000 30 <sup>4</sup> 30 <sup>4</sup> 3
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	11.0° / 21.0° 90 % 19 cd/lm 1 White XP-G3 13.9° / 25.4° 85 % 11.5 cd/lm 1	1000 1000 30 <sup>4</sup> 1000



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L2 18.0° / 32.0° 81 % 7 cd/lm 1 White	99* 92* 95* 90* 90* 90* 90* 90* 90* 90* 90* 90* 90
	DS	84 <sup>4</sup> 84 <sup>5</sup> 84 <sup>5</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 22.0° / 40.0° 81 % 4.5 cd/lm 1 White	30, 600 12, 12, 12, 12, 12, 12, 12, 12, 12, 12,
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 20.0° / 40.0° 81 % 4.7 cd/lm 1 White	99 <sup>3</sup> 99 <sup>3</sup> 99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup> 200 200 40 <sup>4</sup> 40 <sup>4</sup>
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 12.0° / 23.0° 88 % 16 cd/lm 1 White	30. 10. 0. 10. 31.   30. 1000 000 00. 00.   30. 000 00. 00. 00.   30. 000 00. 00. 00.   30. 000 00. 00. 00.



	)S	50* A 50*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Z ES 10.0° / 18.0° 90 % 26 cd/lm 1 White	200 00 120 200 200 200 200 200 200 200
<b>ΜΝΙCΗΙΛ</b>		90° A 93°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW219F 14.0° / 25.0° 88 % 12 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
OSRAM		90° 90°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3737 (3W version) 16.0° / 28.0° 87 % 9.2 cd/lm 1 White	25
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 10.0° / 18.0° 89 % 24.9 cd/lm 1 Far Red	



OSRAM Opto Semiconductors		90° 90°
LED	OSLON Square Flat	
FWHM / FWTM	10.0° / 20.0°	73*
Efficiency	90 %	
Peak intensity	22.6 cd/lm	60*
LEDs/each optic	1	
Light colour	White	27 12000
Required components:		
		300 320
		153 08 153
OSRAM Opto Semiconductors		90° 90°
LED	OSLON SSL 150	25*
FWHM / FWTM	9.0° / 18.0°	
Efficiency	91 %	60*
Peak intensity	27 cd/lm	$ \times / \times / \times / / \times /$
LEDs/each optic	1	
Light colour	White	634 G24
Required components:		1900
		30*
		15° 0° 15°
SAMSUN	IG	90* 90*
	LH351B	
		54 <sup>4</sup> 75 <sup>4</sup> 75 <sup>4</sup>
LED	LH351B	
LED FWHM / FWTM	LH351B 13.0° / 24.0°	25 64 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1	500 Det
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm	55 50 50 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1	500 Det
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1	gr 000 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1	gr 000 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1	61 61 72 72 72 72 72 72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: storus semiconductor LED	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: storus semiconductor LED FWHM / FWTM	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0°	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stolut semconductor LED FWHM / FWTM Efficiency	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 %	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm	600 610 610 610 610 610 610 610 610 610
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm 1	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm	51 51 600 600 600 600 600 600 600 72 73 73 73 73 73
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm 1	a. 500 60.   33. 500 60.   36. 60.0 60.0   36. 60.0 60.0   36. 60.0 60.0   36. 60.0 60.0   36. 60.0 60.0   37. 60.0 60.0   36. 60.0 60.0   37. 60.0 60.0   36.0 50.0 50.0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 13.0° / 24.0° 86 % 13 cd/lm 1 White Z5M4 15.0° / 28.0° 87 % 10.1 cd/lm 1	



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#### **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.

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