

PRODUCT DATASHEET CA18094_LEILA-Y-O

LEILA-Y-O

~45° + 15° oval 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-O LEILA-Y-HLD LEILA-Y-TAPE

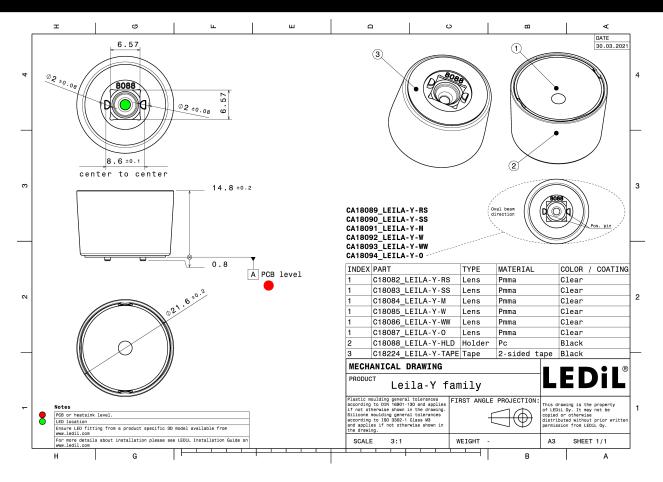
Туре
Single lens
Holder
Tape

Material	Colour	Finish
PMMA	clear	gloss
PC	black	gloss
Acrylic foam		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18094_LEILA-Y-O	1800	180	180	7.6
» Box size: 476 x 273 x 197 mm				

PRODUCT DATASHEET CA18094_LEILA-Y-O



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



OPTICAL RESULTS (MEASURED):

CREE CLED ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XHP35 HI 49.0 + 16.0° / 70.0 + 31.0° 80 % 2.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW719AC 50.0 + 14.0° / 68.0 + 28.0° 81 % 3.3 cd/lm 1 White	



r		
		50° 50°
LED	J Series 5050 Round LES	
FWHM / FWTM	20.0 + 44.0°	75'
Efficiency	78 %	
Peak intensity	2.1 cd/lm	50° - 60°
LEDs/each optic	1	
Light colour	White	gr
Required components:		
		1600
		40 15° 0° 15°
		90° 90°
LED	XM-L2	
FWHM / FWTM	17.0 + 47.0°	
Efficiency	81 %	60° 60°
Peak intensity	2.7 cd/lm	
LEDs/each optic	1	
Light colour	White	67° 1630 47°
Required components:		
		2430
		30° 30°
		153 00 353
CREE - GED		90* 90*
LED	XM-L3	50°
	XM-L3 17.0 + 48.0°	75. 75.
LED		25 ⁻ 25 ⁻ 25 ⁻ 25 ⁻ 25 ⁻ 25 ⁻ 25 ⁻ 25 ⁻
LED FWHM / FWTM	17.0 + 48.0°	64. 000 64.
LED FWHM / FWTM Efficiency	17.0 + 48.0° 76 %	99°
LED FWHM / FWTM Efficiency Peak intensity	17.0 + 48.0° 76 % 2.4 cd/lm	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0 + 48.0° 76 % 2.4 cd/lm 1	135 - 755 140 - 755 140 - 755
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° 76 % 2.4 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° 76 % 2.4 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° 76 % 2.4 cd/lm 1	75 75 64 65 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1	64 64 66 700 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0°	54 54 54 55 55 55 55 55 55 55
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 %	54 54 54 55 55 55 55 55 55 55
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 % 4.7 cd/lm	54 54 54 55 55 55 55 55 55 55
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 % 4.7 cd/lm 1	54 54 54 55 55 55 55 55 55 55
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 % 4.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 % 4.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 % 4.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0 + 48.0° 76 % 2.4 cd/lm 1 White XP-E2 10.0 + 49.0° 85 % 4.7 cd/lm 1	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 13.0 + 49.0° 84 % 3.7 cd/lm 1 White	200 200 200 200 200 200 200 200
		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 15.0 + 48.0° 80 % 2.9 cd/lm 1 White	249 249 249 249 249 249 249 249 249 249
		800
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L2 18.0 + 47.0° 77 % 2.4 cd/lm 1 White	5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
	5	800
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 21.0 + 44.0° 78 % 2.1 cd/lm 1 White	27 27 27 27 27 27 27 27 27 27



UMILEC)S	90 ⁺ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 21.0 + 44.0° 78 % 2.1 cd/lm 1 White	27 27 67 67 67 60 67 60 60 60 60 60 60 60 60 60 60
)S	90* 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON MZ 17.0 + 43.0° 78 % 2.5 cd/lm 1 White	34, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
		15% 0% 15%
CUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 13.0 + 48.0° 82 % 3.6 cd/lm 1 White	2 ⁴ 2 ⁴ 2 ⁴ 2 ⁴ 2 ⁴ 2 ⁴ 2 ⁵ 2 ⁵ 2 ⁶ 2 ⁶ 2 ⁶ 2 ⁶ 2 ⁶ 2 ⁶ 2 ⁶ 2 ⁶
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4x144A 46.0 + 24.0° / 78.0 + 42.0° 69 % 1.6 cd/lm 1 White	54 54 54 54 56 50 50 50 50 50 50 50 50 50 50



ΜΝΙCΗΙΛ		90* 90*
LED	NVSW219F	
FWHM / FWTM	15.0 + 50.0°	75
Efficiency	83 %	
Peak intensity	3 cd/lm	
LEDs/each optic	1	1600
Light colour	White	97*
Required components:		
		2430
		30° 30° 300 30° 30°
OSRAM		
OSRAM Opto Semiconductors		90° 90°
LED	Duris S8	75*
FWHM / FWTM	24.0 + 44.0°	400
Efficiency	77 %	60°
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	2 1200
Required components:		
		1600
		30* 30*
		15° 0° 15°
OSRAM		90° 90° 90°
Opto Semiconductors	OSLON SSL 150	90 ⁴ 90 ⁴
Opto Semiconductors	OSLON SSL 150 10.0 + 49.0°	30°
Opto Semiconductors LED FWHM / FWTM	10.0 + 49.0°	35. 36. 36. 37. 37. 37. 37. 37. 37. 37. 37. 37.
Opto Semiconductors LED FWHM / FWTM Efficiency	10.0 + 49.0° 84 %	25 th 25 th 25 th 25 th
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	10.0 + 49.0°	60° (100) 90° (100)
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0 + 49.0° 84 % 4.6 cd/lm	81. 9000 901 30. 3000 901 30. 3000 901
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	10.0 + 49.0° 84 % 4.6 cd/lm 1	0°. 200 0°. 200 0°. 200 0°. 0°. 0°.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 49.0° 84 % 4.6 cd/lm 1	22. 22.0 22.0 30. 30. 30.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 49.0° 84 % 4.6 cd/lm 1	23 ⁴
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 49.0° 84 % 4.6 cd/lm 1	329 34 ⁴ 659 34 ⁵
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 49.0° 84 % 4.6 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 49.0° 84 % 4.6 cd/lm 1 White	320 34 ⁴ 652 34 ⁵
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0 + 49.0° 84 % 4.6 cd/lm 1 White G LH351B	30°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	10.0 + 49.0° 84 % 4.6 cd/lm 1 White G LH351B 15.0 + 49.0°	<u>394</u> <u>394</u> <u>394</u> <u>395</u> <u>394</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u> <u>395</u>
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency	10.0 + 49.0° 84 % 4.6 cd/lm 1 White B LH351B 15.0 + 49.0° 81 %	22- 20- 20- 20- 20- 20- 20- 20- 20- 20-
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMNSUN LED FWHM / FWTM Efficiency Peak intensity	10.0 + 49.0° 84 % 4.6 cd/lm 1 White C LH351B 15.0 + 49.0° 81 % 3 cd/lm	22 23 20 20 20 20 20 20 20 20 20 20 20 20 20
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0 + 49.0° 84 % 4.6 cd/lm 1 White LH351B 15.0 + 49.0° 81 % 3 cd/lm 1	25. 26. 27. 26. 27. 27. 27. 27. 27. 27. 27. 27. 27. 27
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 49.0° 84 % 4.6 cd/lm 1 White C LH351B 15.0 + 49.0° 81 % 3 cd/lm	804 904 904 904 123 64 123 64 123 123 123 123 123 123 123 123
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0 + 49.0° 84 % 4.6 cd/lm 1 White LH351B 15.0 + 49.0° 81 % 3 cd/lm 1	24 100 61 804 900 904 304 60 304
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 49.0° 84 % 4.6 cd/lm 1 White LH351B 15.0 + 49.0° 81 % 3 cd/lm 1	604 904 904 123 000 123 00 123 00 123 123 123 123 123 123 123 123
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0 + 49.0° 84 % 4.6 cd/lm 1 White LH351B 15.0 + 49.0° 81 % 3 cd/lm 1	24 100 61 804 900 904 304 60 304



SEOUL SEMICONDUCTOR	Z5M4	50°
FWHM / FWTM	48.0 + 16.0° / 72.0 + 30.0°	
Efficiency	81 %	60° 60°
Peak intensity	2.9 cd/lm	
LEDs/each optic	1	100
Light colour	White	47° 43°
Required components:		200



PRODUCT DATASHEET CA18094_LEILA-Y-O

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