

# PRODUCT DATASHEET CA11931\_LR2-M

## LR2-M

~25° medium beam optimized for LUXEON Rebel ES. 14.8 mm high assembly with installation tape.

### **TECHNICAL SPECIFICATIONS:**

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



### **MATERIAL SPECIFICATIONS:**

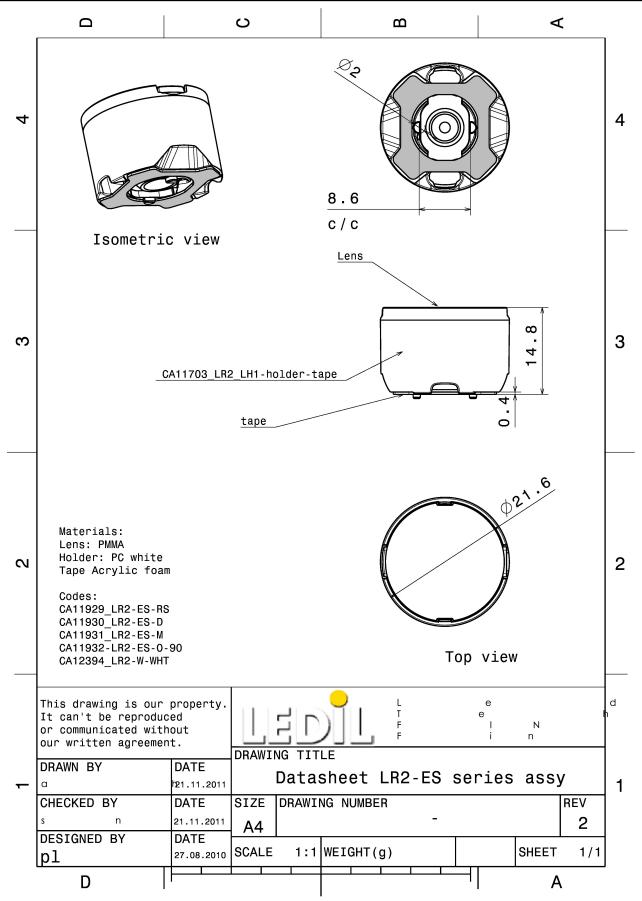
Component	Туре	Material	Colour	Finish
LXP2-M	Single lens	PMMA	clear	
LR2-ES-LH1-HLD	Holder	PC	white	
HEIDI-TAPE	Таре	Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11931_LR2-M	Single lens	1680	336	112	9.0
» Box size: 480 x 280 x 300 mm					



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



## PHOTOMETRIC DATA (MEASURED):

	D	50* 90*
LED	XP-L HD	
FWHM / FWTM	24.0° / 46.0°	75.
Efficiency	90 %	
Peak intensity	4.2 cd/lm	60 ° 60 °
LEDs/each optic	1	
Light colour	White	get late
Required compone		
		3230
		30° 30° 35°
UMIL	EDS	
-		
LED	LUXEON Rebel ES	
FWHM / FWTM	22.0°	
Efficiency	92 %	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		 • <u>7</u>
🥙 LUMIL	.EDS	90* 90*
LED	LUXEON T	75*
FWHM / FWTM	25.0° / 44.0°	
Efficiency	90 %	60° 1600 60°
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	White	a, a.
Required compone	ents:	
		30* 4630 30*
	EDS	107 07 307
		90° 90°
LED	LUXEON TX	75*
FWHM / FWTM	24.0° / 42.0°	
Efficiency	90 %	60° 1600 60°
Peak intensity	4.6 cd/lm	
LEDs/each optic	1	
Light colour	White	62× 64
Required compone	ents:	
		30° 4800 30°
		15° 0° 15°



## PHOTOMETRIC DATA (MEASURED):

Required components:	UMIL	.EDS	
Efficiency 90 % Peak intensity 5.2 cd/m LEDs/each optic 1 Light colour White Required components:	LED	LUXEON Z ES	
Peak intensity 5.2 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	23.0° / 40.0°	
LEDs/each optic 1 Light colour White Required components:	Efficiency	90 %	
LEDs/each optic 1 Light colour White Required components:	Peak intensity	5.2 cd/lm	
Required components:		1	
Required components:		White	
LED NVSx19B/NVSx19C FWHM / FWTM 22.0° / 42.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: CSREM Public Methods A Components CSREM Public Methods A Components CSREM Public Methods A Component		ents:	
LED NVSx19B/NVSx19C FWHM / FWTM 22.0° / 42.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: CSREM Public Methods A Components CSREM Public Methods A Components CSREM Public Methods A Component			
LED NVSx19B/NVSx19C FWHM / FWTM 22.0° / 42.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: CSREM Public Methods A Components CSREM Public Methods A Components CSREM Public Methods A Component			
LED NVSx19B/NVSx19C FWHM / FWTM 22.0° / 42.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: CSREM Public Methods A Components CSREM Public Methods A Components CSREM Public Methods A Component			
LED NVSx19B/NVSx19C FWHM / FWTM 22.0° / 42.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: CSREM Public Methods A Components CSREM Public Methods A Components CSREM Public Methods A Component			
FWHM / FWTM 22.0° / 42.0° Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: COSECME FWHM / FWTM 25.0° / 42.0° Efficiency 89 % Peak intensity 4.7 cd/lm LEDs/each optic 1 Light colour White	ØNICHI∕	N Contraction of the second seco	** A
Efficiency 94 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components: COSRAM Peak intensity 25.0° / 42.0° Efficiency 89 % Peak intensity 4.7 cd/lm LEDs/each optic 1 Light colour White	LED	NVSxx19B/NVSxx19C	
Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components:	FWHM / FWTM	22.0° / 42.0°	
LEDs/each optic 1 Light colour White Required components:	Efficiency	94 %	
Light colour White Required components:	Peak intensity	5 cd/lm	
Required components:	LEDs/each optic	1	
Opto Semiconductors Peak   LED OSLON Square EC   FWHM / FWTM 25.0° / 42.0°   Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White	Light colour	White	9 <sup>4</sup> 200
Opto Semiconductors Peak   LED OSLON Square EC   FWHM / FWTM 25.0° / 42.0°   Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White	Required compone	ents:	
Opto Semiconductors Peak   LED OSLON Square EC   FWHM / FWTM 25.0° / 42.0°   Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White			
Opto Semiconductors Peak   LED OSLON Square EC   FWHM / FWTM 25.0° / 42.0°   Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White			
Opto Semiconductors Peak   LED OSLON Square EC   FWHM / FWTM 25.0° / 42.0°   Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White			34
Opto Semiconductors Peak   LED OSLON Square EC   FWHM / FWTM 25.0° / 42.0°   Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White	000044		125 <sup>1</sup> 0 <sup>1</sup> 125 <sup>1</sup>
FWHM / FWTM   25.0° / 42.0°     Efficiency   89 %     Peak intensity   4.7 cd/lm     LEDs/each optic   1     Light colour   White	OSRAM Opto Semiconductors		50 <sup>+</sup>
Efficiency 89 %   Peak intensity 4.7 cd/lm   LEDs/each optic 1   Light colour White	LED	OSLON Square EC	
Peak intensity 4.7 cd/lm LEDs/each optic 1 Light colour White	FWHM / FWTM	25.0° / 42.0°	
LEDs/each optic 1 Light colour White	Efficiency	89 %	get you
Light colour White	Peak intensity	4.7 cd/lm	
		1	
Required components:	Light colour	White	
	Required compone	ents:	
30* 450			34* 4830



## PHOTOMETRIC DATA (SIMULATED):

CREE LED	J Series 5050 Round LES 28.0° / 56.0° 94 % 2.8 cd/lm 1 White	90 <sup>4</sup> 97 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XQ-E HD 26.0° / 42.0° 94 % 4.5 cd/lm 1 White	200
EUMILEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 29.0° / 57.0° 96 % 2.8 cd/lm 1 White	30 <sup>4</sup> 37 64 500 500 500 500 500 500 500 50
WHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 25.0° / 43.0° 92 % 4.2 cd/lm 1 White	200 200 200 200 200 200 200 200



## PHOTOMETRIC DATA (SIMULATED):

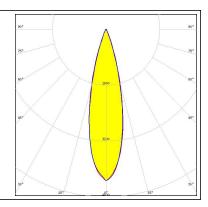
	)S	90°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 60 24.0° / 44.0° 93 % 1 IR	25
	DS	90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON V2 26.0° / 45.0° 94 % 4.1 cd/lm 1 White	27 97 97 97 97 97 97 97 97 97 97 97 97 97
		30° 15° 55°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 28.0° / 50.0° 95 % 3.4 cd/lm 1 White	200 200 200 200 200 200 200 200
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S8 30.0° / 61.0° 93 % 2.5 cd/lm 1 White	9° 9° 9° 75 00 00 0° 6° 0° 0° 30° 0° 0° 0°



### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSLON Square CSSRM2/CSSRM3 26.0° / 43.0° 95 % 4.3 cd/lm 1 White





#### **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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