

# PRODUCT DATASHEET CA11481\_LXP2-RS

# LXP2-RS

~9.6° spot beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape.

### **SPECIFICATION:**

Dimensions	Ø 21.6 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes 🛈



### **MATERIALS:**

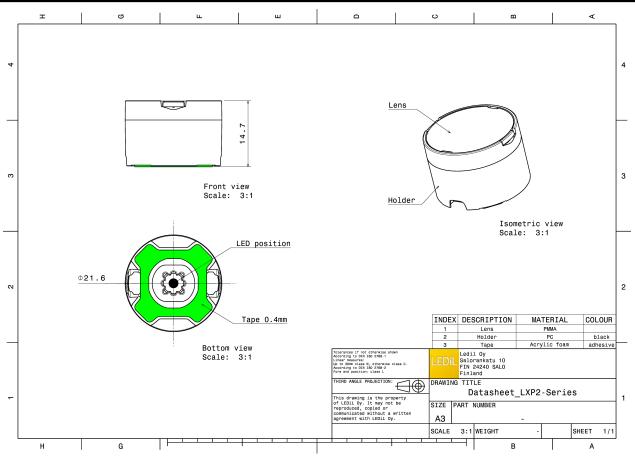
Component	Туре	Material	Colour	Finish
LXP2-RS	Single lens	PMMA	clear	
LXP2-LH1-TAPE-BLK	Holder	PC	black	
HEIDI-TAPE	Таре	Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11481_LXP2-RS	Single lens	1680	336	112	9.5
» 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>



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

		20 <sup>2</sup>
LED	XP-E	
FWHM / FWTM	7.0°	60 <sup>5</sup> 2000 60 <sup>4</sup>
Efficiency	94 %	
LEDs/each optic	1	
Light colour	White	a. a.
Required compone	ints:	
		30" 30(0) 20" 30(0) 0" 10" 30"
		24 <sup>4</sup>
LED	XP-E2	751
FWHM / FWTM	8.0° / 14.0°	
Efficiency	90 %	60° (200)
Peak intensity	44 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	ents:	
		30
		15° 0° 35°
		20 <sup>4</sup>
		90*
		25. 26. 26.
LED	XP-G	25
LED FWHM / FWTM	XP-G 10.0°	60. 22. 26. 26. 26. 26. 26. 26. 26. 26. 26
LED FWHM / FWTM Efficiency	XP-G 10.0° 94 %	ge 600 900 90
LED FWHM / FWTM Efficiency LEDs/each optic	XP-G 10.0° 94 % 1	97 92 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White	97
LED FWHM / FWTM Efficiency LEDs/each optic	XP-G 10.0° 94 % 1 White	9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup>
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White	90 <sup>4</sup> 97 60 <sup>5</sup> 60 <sup>5</sup>
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White	90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	XP-G 10.0° 94 % 1 White ents:	20°
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	XP-G 10.0° 94 % 1 White ents:	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	XP-G 10.0° 94 % 1 White ents: XP-G2 10.0° / 19.0°	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone	XP-G 10.0° 94 % 1 White ents: XP-G2 10.0° / 19.0° 94 %	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity	XP-G 10.0° 94 % 1 White ents: XP-G2 10.0° / 19.0° 94 % 21 cd/lm	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	XP-G 10.0° 94 % 1 White ents: XP-G2 10.0° / 19.0° 94 % 21 cd/lm 1	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White onts:	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic	XP-G 10.0° 94 % 1 White onts:	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White onts:	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone Required compone Efficiency Peak intensity LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White onts:	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XP-G 10.0° 94 % 1 White onts:	



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

CREE (LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XP-L HI 10.0° / 20.0° 89 % 20 cd/lm 1	
Light colour Required compone	White ints:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxx19A 8.0° / 18.0° 86 % 26.4 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW3x9A 12.0° / 28.0° 83 % 10.2 cd/lm 1 White	



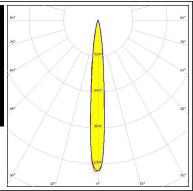
### **OPTICAL RESULTS (MEASURED):**

### **Μ**ΝΙCΗΙΛ

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required compone

NVSxx19B/NVSxx19C 11.0° / 25.0° 89 % 13.5 cd/lm 1 White ents:







## **OPTICAL RESULTS (SIMULATED):**

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP35.2 HD 18.0° / 36.0° 74 % 5.6 cd/lm 1 White	200 200 200 200 200 200 200 200
	XHP35.2 HI	99° 59°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 28.0° 81 % 10.5 cd/lm 1 White	39. 60. 61. 62. 65. 66. 66. 66. 66. 66. 66. 66. 66. 66
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-P 6.0° / 14.0° 92 % 50.5 cd/lm 1 White	200 20 200 20 200 20 200 20 200 20 20 20 20 20 20 20 20 20 20
		90° 0° 19°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 6.0° / 14.0° 92 % 50 cd/lm 1 White	75' 56' 60' 100 100 100 100 100 100 100 100 100



## **OPTICAL RESULTS (SIMULATED):**

	DS	90° 90°
LED FWHM / FWTM	LUXEON CZ 6.0° / 14.0°	75
Efficiency	92 %	60° 60
Peak intensity	52.6 cd/lm	
LEDs/each optic		
Light colour Required components:	Red	
rtequirea componenta.		
		304 304
	os	90° 90
LED	LUXEON HL2X	
FWHM / FWTM	14.0° / 26.0°	3.
Efficiency	88 %	
Peak intensity	12.6 cd/lm	
LEDs/each optic	1	649
Light colour	White	43* 43
Required components:		
		30° 12%00 36° 36°
	)S	90° 90'
LED		
	LUXEON V2	
	LUXEON V2 12.0° / 22.0°	78'
FWHM / FWTM	LUXEON V2 12.0° / 22.0° 92 %	
FWHM / FWTM Efficiency	12.0° / 22.0°	97
FWHM / FWTM Efficiency Peak intensity	12.0° / 22.0° 92 %	75° 72 00° 0000 00
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 92 % 16.7 cd/lm	79° 72 80° 8000 800 5° 8000 800
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 22.0° 92 % 16.7 cd/lm 1	2° μ° ς·
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 92 % 16.7 cd/lm 1	25° 22 10° 660 60 1300 70°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 92 % 16.7 cd/lm 1	7° 72 90° 800 9° 800 9° 800 1200
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 92 % 16.7 cd/lm 1	27 - 22 19 - 000 - 000 1000 - 00 1000 - 00 1000 - 00 1000 - 00 1000 - 00 1000 - 00 100 -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 92 % 16.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White	3° 30   9° 600   9° 1300   9° 120   9° 120   9° 120   9° 120   9° 120   9° 120   9° 120   9° 120   9° 120
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F 12.0° / 22.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F 12.0° / 22.0° 87 % 16.1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F 12.0° / 22.0° 87 % 16.1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F 12.0° / 22.0° 87 % 16.1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F 12.0° / 22.0° 87 % 16.1 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 92 % 16.7 cd/lm 1 White NVSW219F 12.0° / 22.0° 87 % 16.1 cd/lm 1	



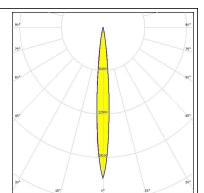
### **OPTICAL RESULTS (SIMULATED):**

1

#### OSRAM

LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required components:

OSLON Square CSSRM2/CSSRM3 10.0° / 20.0° 92 % 22.4 cd/lm White



# SAMSUNG

LED	LM301B
FWHM / FWTM	9.0° / 21.0°
Efficiency	94 %
Peak intensity	21.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL
SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	10.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

Required components:	

SEQUL			90*	90 <sup>4</sup>
SEOUL SEMICONDUCTOR	Z8Y22P			
FWHM / FWTM	12.0° / 26.0°		75*	7.2
Efficiency	92 %		500	
Peak intensity	13.4 cd/lm		$\langle \wedge \rangle$	$   \rangle > 7$
LEDs/each optic	1			6430
Light colour	White		5°	
Required component	ts:			9600
			30°	36*



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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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