

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:

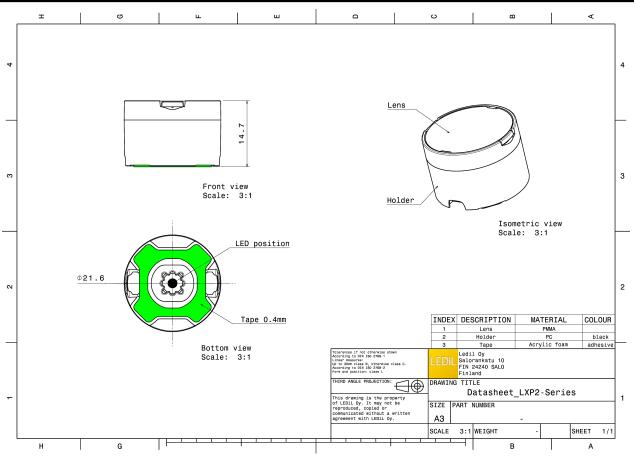
Component	Туре	Material	Colour	Finish
LXP2-RS	Single lens	PMMA	clear	
LXP2-LH1-TAPE-BLK	Holder	PC	black	
HEIDI-TAPE	Таре	Acrylic foam	black	

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					



PRODUCT DATASHEET CA11481_LXP2-RS



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



OPTICAL RESULTS (MEASURED):

		7
		90* 90*
		75*75
LED	XP-E	
FWHM / FWTM	7.0°	60° 2000 60'
Efficiency	94 %	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	
		30° 35400 364
		90* 93
LED	XP-E2	
FWHM / FWTM	8.0° / 14.0°	
Efficiency	90 %	
Peak intensity	44 cd/lm	
LEDs/each optic	1	
Light colour	White	67 <u>560</u> 63
Required compone	ints:	
		/ tea
		340 340
CREE ^		15 ⁹ 0 ⁸ 15 ⁹
		90° 197 0° 197 200
		35° 4° 137 99° 99°
LED	XP-G	25° 0° 15° 99° 99° 75° 25°
LED FWHM / FWTM	10.0°	600 90* 15* 0* 15* 0* 15* 0* 15* 0* 15* 0*
LED FWHM / FWTM Efficiency	10.0° 94 %	99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency LEDs/each optic	10.0° 94 % 1	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	10.0° 94 % 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic	10.0° 94 % 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	10.0° 94 % 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour	10.0° 94 % 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	10.0° 94 % 1 White	157 e ² 157 e ² 157 e ² 157 1000 1
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	10.0° 94 % 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	10.0° 94 % 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	10.0° 94 % 1 White Ints:	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	10.0° 94 % 1 White Ints:	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0°	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0° 94 %	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0° 94 % 21 cd/lm	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREEE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0° 94 % 21 cd/lm 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0° 94 % 21 cd/lm 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREE EDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0° 94 % 21 cd/lm 1 White	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required compone CREE EDS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° 94 % 1 White Ints: XP-G2 10.0° / 19.0° 94 % 21 cd/lm 1 White	



OPTICAL RESULTS (MEASURED):

		90° A 90
LED	XP-L HI	
FWHM / FWTM	10.0° / 20.0°	
Efficiency	89 %	604 6400 660
Peak intensity	20 cd/lm	
LEDs/each optic	1	
Light colour	White	e7* e3
Required compone	ints:	
		30" 20 0" 15" 30
∕∕ NICHI∕		90° 30
LED	NCSxx19A	
FWHM / FWTM	8.0° / 18.0°	75 73
Efficiency	86 %	
Peak intensity	26.4 cd/lm	60°*
LEDs/each optic	1	
Light colour	White	45°
Required compone		1900
		30° too se
		 15° 0° 15°
ØNICHI∧		90* 90 90* 90
	NVSW219D	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
		25% 0 ⁴ 15%
LED	NVSW219D	95 ⁴ 95 ⁴ 95 ⁴ 95 ⁴ 95 ⁴ 95 ⁴ 95 ⁴ 95 ⁴ 95 ⁴ 95 95 95 95 95 95 95 95 95 95 95 95 95
LED FWHM / FWTM Efficiency Peak intensity	NVSW219D 12.0° / 23.0°	97 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW219D 12.0° / 23.0° 92 %	90 ⁴ 90 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White	25° 0° 15° 90° 50° 50° 90° 60° 60° 90° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White	75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White Ints: NVSW3x9A 12.0° / 28.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White Ints: NVSW3x9A 12.0° / 28.0° 83 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints: NVSW3x9A 12.0° / 28.0° 83 % 10.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints: NVSW3x9A 12.0° / 28.0° 83 % 10.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints: NVSW3x9A 12.0° / 28.0° 83 % 10.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints: NVSW3x9A 12.0° / 28.0° 83 % 10.2 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 12.0° / 23.0° 92 % 14.7 cd/lm 1 White ints: NVSW3x9A 12.0° / 28.0° 83 % 10.2 cd/lm 1 White	



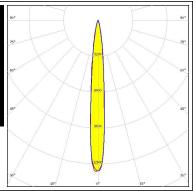
OPTICAL RESULTS (MEASURED):

ΜΝΙCΗΙΛ

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):

		50 ⁴ 90 ⁴
LED	XHP35.2 HD	
FWHM / FWTM	18.0° / 36.0°	75*
Efficiency	74 %	1000
Peak intensity	5.6 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45° 45°
Required components:	White	
		$\times \times $
		4800
		30° 15° 0° 15° 30°
		90° 90°
LED	XHP35.2 HI	
FWHM / FWTM	12.0° / 28.0°	
Efficiency	81 %	3000
Peak intensity	10.5 cd/lm	
LEDs/each optic	1	
Light colour	White	57° 6130 43°
Required components:		\mathbb{N}
		X / V X
		ess
		30° 30°
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		90 ⁴ 90 ⁴
CREE ÷	XP-P	
	XP-P 6.0° / 14.0°	20 v 10 90* 99* 75*
LED		
LED FWHM / FWTM	6.0° / 14.0°	
LED FWHM / FWTM Efficiency	6.0° / 14.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity	6.0° / 14.0° 92 % 50.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.0° / 14.0° 92 % 50.5 cd/lm 1	33° 60° 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 14.0° 92 % 50.5 cd/lm 1	75° 65° 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 14.0° 92 % 50.5 cd/lm 1	75° 65° 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	6.0° / 14.0° 92 % 50.5 cd/lm 1	77 00 ¹ 00 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White	33° 60° 500
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White	200 2100 210 210 210 210 210 210 210 210 210
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White	200 2100 210 210 210 210 210 210 210 210 210
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White	No. No.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White	No. No.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity	6.0° / 14.0° 92 % 50.5 cd/lm 1 White UXEON CZ 6.0° / 14.0° 92 % 50 cd/lm	25- 25- 25- 25- 25- 25- 25- 25-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.0° / 14.0° 92 % 50.5 cd/lm 1 White UXEON CZ 6.0° / 14.0° 92 % 50 cd/lm 1	25- 25- 25- 25- 25- 25- 25- 25-
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White UXEON CZ 6.0° / 14.0° 92 % 50 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CONTINUES LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	6.0° / 14.0° 92 % 50.5 cd/lm 1 White UXEON CZ 6.0° / 14.0° 92 % 50 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White UXEON CZ 6.0° / 14.0° 92 % 50 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	6.0° / 14.0° 92 % 50.5 cd/lm 1 White UXEON CZ 6.0° / 14.0° 92 % 50 cd/lm 1	



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 componento.		
		304 304
	05	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	75° 72 60° 6000 60 5° 6000 60
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 22.0° 92 % 16.7 cd/lm 1	2° 9° σ° σ° σ° σ° σ° σ 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° 9° 9° 9° 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	



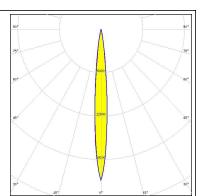
OPTICAL RESULTS (SIMULATED):

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	
EOUL SEMICONDUCTO	F

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

LEDs/each optic	1
Light colour	W
Required components:	

SEOUL
 SEMICONDUCTOR

SEC

SECOL SEMICONDUCTOR	
LED	Z8Y
FWHM / FWTM	12.0
Efficiency	92 9
Peak intensity	13.4
LEDs/each optic	1
Light colour	Whi
Required components:	

Y22P .0° / 26.0° % .4 cd/lm ite

