

# PRODUCT DATASHEET CS16515\_SITARA-2X2-T2

# SITARA-2X2-T2

IESNA Type II (medium) beam, applicable for European P-class standard pedestrian lighting and M-class roads.

### **TECHNICAL SPECIFICATIONS:**

Dimensions	50.0 x 50.0 mm
Height	9.3 mm
Fastening	pin, screw
Ingress protection classes	IP67
ROHS compliant	yes 🛈



Colour

clear

milky

Finish

### MATERIAL SPECIFICATIONS:

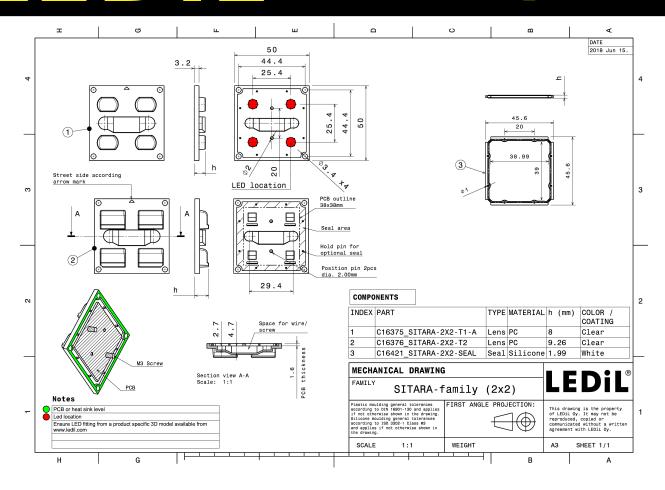
Component SITARA-2X2-T2 SITARA-2X2-SEAL

Туре	Material	
Multi-lens	PC	
Seal	Silicone	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CS16515_SITARA-2X2-T2	Multi-lens	770	154	154	7.9
» Box size: 480 x 280 x 300 mm					

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



# PHOTOMETRIC DATA (MEASURED):

	EDS	x
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON 5050 Round LES Asymmetric 86 % 0.7 cd/lm 1 White ents:	
OSRAM Opto Semiconductors		92*
LED	Duris S8	3
FWHM / FWTM	Asymmetric	50 - 50 - 50 - 50 - 50 - 50 - 50 - 50 -
Efficiency	86 %	
Peak intensity	0.6 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45° 600 63°
Required compone	ents:	34 <sup>+</sup> 12 <sup>2</sup> 1200 24 <sup>+</sup> 37 <sup>+</sup>



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Bridgelux SMD 5050 Asymmetric 84 % 0.6 cd/lm 1 White	23- 25- 27- 27- 27- 27- 29- 29- 29- 29- 29- 29- 29- 29
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	J Series 5050 Round LES Asymmetric 85 % 0.6 cd/lm 1 White	
Required components:		
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	MHB-A/B Asymmetric 74 % 1 White	50° 000 00° 50° 000 00° 50° 000 00° 50° 000 00° 50° 000 00° 50° 000 00° 50° 00
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 Asymmetric 79 % 1.2 cd/lm 1 White	20 <sup>-</sup> 20



		90°
LED	XP-L2	
FWHM / FWTM	Asymmetric	73° 200 78°
Efficiency	83 %	
Peak intensity	0.7 cd/lm	400 80*
LEDs/each optic	1	
Light colour	u White	$\vee \times / \top \setminus \vee \vee$
Required components:	White	45*
Required components.		
		1000
		1200
		30* 15 <sup>5</sup> 0° 15 <sup>*</sup> 30 <sup>*</sup>
		90* 90*
LED	XT-E	
FWHM / FWTM	Asymmetric	75° 400 75°
Efficiency	76 %	
Peak intensity	1.3 cd/lm	50 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1	
Light colour	White	45* 1200 45*
Required components:		
		1600
		$\times$ / $\times$
		2000
		30* 30*
		15 <sup>5</sup> 0 <sup>6</sup> 15 <sup>*</sup>
	)S	22 <sup>3</sup> 0 <sup>4</sup> 22 <sup>4</sup>
		90° 0° 19°
LED	LUXEON HL2X	25 <sup>5</sup> 0 <sup>4</sup> 15 <sup>7</sup>
LED FWHM / FWTM	LUXEON HL2X Asymmetric	25 <sup>°</sup> 0 <sup>°</sup> 15 <sup>°</sup>
LED FWHM / FWTM Efficiency	LUXEON HL2X Asymmetric 85 %	25 <sup>2</sup> 0 <sup>4</sup> 15 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	22 <sup>3</sup> 0 <sup>4</sup> 12 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm	22 <sup>3</sup> 0 <sup>4</sup> 12 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	15° 0° 15° 9° 9° 9° 6° 90 6° 90 6° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	201 12 <sup>3</sup> 0 <sup>4</sup> 12 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version)	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 87 %	80
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 87 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 87 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 87 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 87 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL2X Asymmetric 85 % 1.3 cd/lm 1 White OSCONIQ P 3737 (2W version) Asymmetric 87 % 1.3 cd/lm 1	00



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OSRAM		
Opto Semiconductors	OSCONIQ P 3737 (3W version)	90* 90*
FWHM / FWTM		73° 75°
	Asymmetric 85 %	400
Efficiency		60 <sup>4</sup> 694
Peak intensity	0.9 cd/lm	500
LEDs/each optic	1	
Light colour	White	45* 45*
Required components:		
		1220
		1430
		30* 100 30* 10° 30* 30*
OSRAM		
Opto Semiconductors		90 <sup>+</sup> 90 <sup>+</sup>
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	Asymmetric	400
Efficiency	94 %	505 604
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	1200
Light colour	White	45° 45°
Required components:		1600
		$\times$
		2000
		30* 30*
1		
СЛВЛСИВ	10	
SAMSUN	IG	100 100 100 100 100 100 100 100 100 100
	<b>I G</b> LH351B	40° 90° 90°
LED	LH351B	22 <sup>°</sup> 0 <sup>°</sup> 22 <sup>°</sup> 20 <sup>°</sup> 0 <sup>°</sup> 22 <sup>°</sup> 20 <sup>°</sup> 0 <sup>°</sup> 22 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity	LH351B Asymmetric	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 86 %	22 <sup>°</sup> 4 <sup>°</sup> 22 <sup>°</sup> 20 <sup>°</sup> 20 <sup>°</sup> 20 <sup>°</sup> 40 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm	22 <sup>°</sup> 4 <sup>°</sup> 22 <sup>°</sup> 20 <sup>°</sup> 20 <sup>°</sup> 20 <sup>°</sup> 40 <sup>°</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 86 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1	22° 0° 22° 29° 29° 400 400 400 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1	23 07 12 <sup>5</sup> 07 07 07 07 07 07 07 07 07 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B Asymmetric 86 % 1 cd/lm 1 White	23 07 12 <sup>5</sup> 07 07 07 07 07 07 07 07 07 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1 White	23 0° 23° 0° 0° 10° 0° 10° 10° 0° 10° 10° 0° 10° 0° 10° 10° 0° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B Asymmetric 86 % 1 cd/lm 1 White	23 07 12 <sup>5</sup> 07 07 07 07 07 07 07 07 07 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B Asymmetric 86 % 1 cd/lm 1 White	23 07 12 <sup>5</sup> 07 07 07 07 07 07 07 07 07 07
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	LH351B Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LH351B Asymmetric 86 % 1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LH351B Asymmetric 86 % 1 cd/lm 1 White I H351C Asymmetric 86 % 1.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B Asymmetric 86 % 1 cd/lm 1 White LH351C Asymmetric 86 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1 White LH351C Asymmetric 86 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1 White LH351C Asymmetric 86 % 1.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SANNSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B Asymmetric 86 % 1 cd/lm 1 White LH351C Asymmetric 86 % 1.1 cd/lm 1	



SAMSU	NG	90*
LED	LH351D	
FWHM / FWTM	Asymmetric	701
Efficiency	83 %	
Peak intensity	0.7 cd/lm	. 60°
LEDs/each optic	1	
Light colour	White	5; 5 <sup>4</sup>
Required component	s:	
SAMSU	NG	99*
LED	LH508A Plus	
FWHM / FWTM	Asymmetric	72
Efficiency	83 %	
Peak intensity	0.6 cd/lm	50 <sup>4</sup> 400 60*
LEDs/each optic	1	
Light colour	White	-65° 660 55°
Required components	S:	200
		34° 22° 0° 12°



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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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