

# LISA4-WW

~45° spot beam with integrated pins on lens

### **SPECIFICATION:**

Dimensions	Ø 10.0 mm
Height	7.7 mm
Fastening	pin
ROHS compliant	yes 🛈



### **MATERIALS:**

Component LISA4-WW

## **Type** Single lens

Material	Colour	Finish
PMMA	clear	

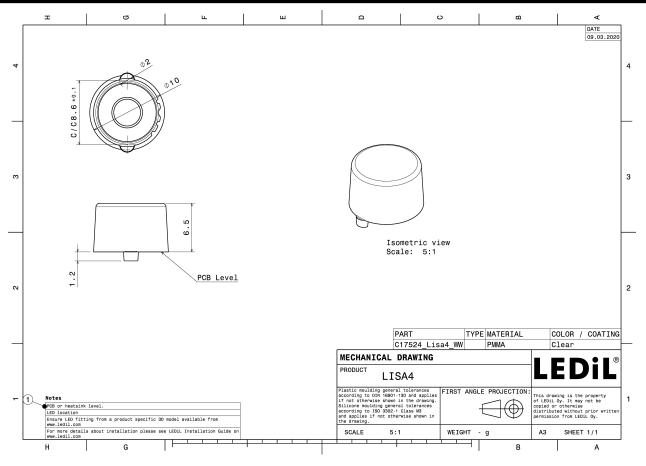
### **ORDERING INFORMATION:**

Component C17524\_LISA4-WW » Box size: 430 x 390 x 215 mm

Qty in box	MOQ	MPQ	Box weight (kg)
20000	1000	1000	7.5



# PRODUCT DATASHEET C17524\_LISA4-WW



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



CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 45.0° / 70.0° 95 % 1.5 cd/lm 1 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 47.0° / 74.0° 95 % 1.4 cd/lm 1 White	57
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 52.0° / 84.0° 94 % 1.1 cd/lm 1 White	100 100 100 100 100 100 100 100 100 100
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON HL1Z 30.0° / 56.0 + 55.0° 97 % 2.6 cd/lm 1 White	200 200 200 200 200 200 200 200



	)S		50° 50'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 47.0° / 70.0° 95 % 1.5 cd/lm 1 White		27
	)S		90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON TX 46.0° / 73.0° 95 % 1.4 cd/lm 1 White		27 ex ex 500 500 500 500 500 500 500 500 500 50
LED FWHM / FWTM Efficiency LEDs/each optic	SST-10-IR-B90 36.0° / 64.0° 93 % 1	Polor intensity groph	
Light colour Required components:	IR		Gr 1270 550   1500 150 150   20 <sup>+</sup> 150 <sup>+</sup> 150 <sup>+</sup>
	NCSxE17A		95°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	30.0° / 56.0° 95 % 2.4 cd/lm 1		
Light colour Required components:	White		



		50°
LED FWHM / FWTM	NVSW219F	75'
Efficiency	53.0° / 80.0° 95 %	
Peak intensity	95 % 1.2 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
LEDs/each optic	1.2 co/im	
Light colour	' White	er et
Required components:	Wille	
		30" 300 15° 0° 15°
OSRAM Opto Semiconductors		90 <sup>4</sup> 91 <sup>4</sup>
LED	Duris S5 (2 chip)	
FWHM / FWTM	39.0° / 66.0°	400
Efficiency	95 %	60°
Peak intensity	1.8 cd/lm	
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		30° 15° 2000 15° 30°
OSRAM Opto Semiconductors		50° 50°
Opto Semiconductors	Duris S5 (Single chip)	5°
OSRAM Opto Semiconductors LED FWHM / FWTM	Duris S5 (Single chip) 36.0° / 64.0°	39 <sup>4</sup> 39 <sup>4</sup> 39 <sup>4</sup>
Opto Semiconductors		9° 9° 75 9°
Opto Semiconductors LED FWHM / FWTM	36.0° / 64.0°	97 97 97 97 97 97 97 97 97 97 97 97
Opto Semiconductors LED FWHM / FWTM Efficiency	36.0° / 64.0° 95 %	00 - 0°, 32 - 26 35 - 26 36
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	36.0° / 64.0° 95 % 2.1 cd/lm	51 50 50 50 50 50 50 50 50 50 50 50 50 50
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 64.0° 95 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 64.0° 95 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 64.0° 95 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 64.0° 95 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 64.0° 95 % 2.1 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 64.0° 95 % 2.1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	36.0° / 64.0° 95 % 2.1 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0°	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto semiconductors LED FWHM / FWTM Efficiency	36.0° / 64.0° 95 % 2.1 cd/m 1 White OSCONIQ C 2424 37.0° / 64.0° 96 %	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0° 96 % 2.1 cd/lm	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0° 96 % 2.1 cd/lm 1	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0° 96 % 2.1 cd/lm	64 64 64 64 64 64 64 64 64 64
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0° 96 % 2.1 cd/lm 1	64 64 64 64 64 64 64 64 64 64
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0° 96 % 2.1 cd/lm 1	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 64.0° 95 % 2.1 cd/lm 1 White OSCONIQ C 2424 37.0° / 64.0° 96 % 2.1 cd/lm 1	



OSRAM		50° 50°
Opto Semiconductors	OSCONIQ S 3030 (QSLR31)	
FWHM / FWTM	41.0° / 68.0°	75°
Efficiency	95 %	- 400
Peak intensity	1.7 cd/lm	60°
LEDs/each optic	1	
Light colour	' White	9°
Required components:	White	1230
		15° 0° 15°
OSRAM Opto Semiconductors		90°
LED	OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	46.0° / 73.0°	75, 25,
Efficiency	95 %	
Peak intensity	1.4 cd/lm	50°
LEDs/each optic	1	
Light colour	White	ex. ex.
Required components:		
		1200
		36* 36*
1		100 000
OSPAM		153 1850 15"
OSRAM Opto Semiconductors		90°
LED	OSLON Square EC	
LED FWHM / FWTM	42.0° / 68.0°	
LED FWHM / FWTM Efficiency	42.0° / 68.0° 95 %	
LED FWHM / FWTM Efficiency Peak intensity	42.0° / 68.0° 95 % 1.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	42.0° / 68.0° 95 % 1.5 cd/lm 1	731 661 661 662
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 68.0° 95 % 1.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	42.0° / 68.0° 95 % 1.5 cd/lm 1	54 64 77 60 77 60 77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 68.0° 95 % 1.5 cd/lm 1	g. g. g. g. g. g. g. g. g. g. g. g. g. g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 68.0° 95 % 1.5 cd/lm 1	6. 6. 6. 7. 6. 7. 7. 7.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	42.0° / 68.0° 95 % 1.5 cd/lm 1	6. 6. 6. 7. 6. 7. 7. 7.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	42.0° / 68.0° 95 % 1.5 cd/lm 1 White	30. 22. 23. 40. 33. 24. 25.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	42.0° / 68.0° 95 % 1.5 cd/lm 1 White	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	42.0° / 68.0° 95 % 1.5 cd/lm 1 White	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	42.0° / 68.0° 95 % 1.5 cd/lm 1 White	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 %	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 % 1.4 cd/lm	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
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	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 % 1.4 cd/lm 1	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
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 Light colour	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 % 1.4 cd/lm	25 60 60 60 60 75 60 75 75 75 75 75 75 75 75 75 75
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	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 % 1.4 cd/lm 1	25 0 0 0 0 0 0 0 0 0 0 0 0 0
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 Light colour	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 % 1.4 cd/lm 1	25 0 0 0 0 0 0 0 0 0 0 0 0 0
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 Light colour	42.0° / 68.0° 95 % 1.5 cd/lm 1 White LH351B 47.0° / 76.0° 95 % 1.4 cd/lm 1	



#### **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:**

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