

# PRODUCT DATASHEET CA11016\_TINA2-RS

## **TINA2-RS**

~14° spot beam. Assembly with holder and installation tape.

#### **SPECIFICATION:**

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes 🛈



### **MATERIALS:**

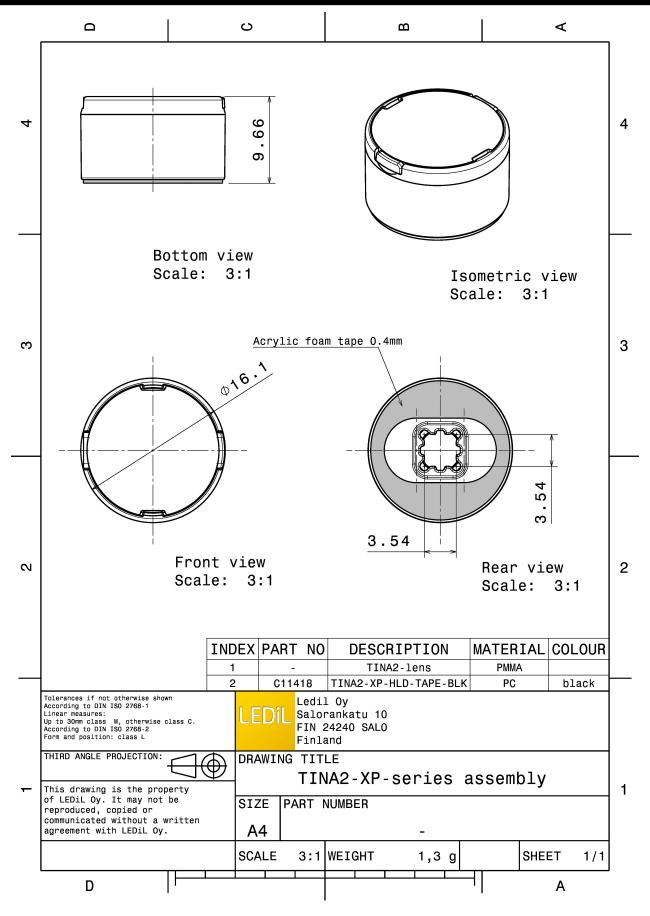
Component	Туре	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11016_TINA2-RS	Single lens	4140	230	230	8.1
» Box size: 451 x 241 x 298 mm					



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



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

CREE C LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E 11.0° / 21.0° 90 % 17.7 cd/lm 1 White nts:	91 <sup>4</sup> 75 61 <sup>4</sup> 61 <sup>4</sup> 75 1000 1000 1000 100 100 100 100
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E2 11.0° / 22.0° 89 % 16.6 cd/lm 1 White nts:	59* 52* 75* 66* 660 60* 57* 1000 60* 80* 80* 80* 80* 80* 80* 80* 80* 80* 8
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-G 15.0° / 30.0° 93 % 9 cd/lm 1 White nts:	200 200 200 200 200 200 200 200



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

CREE ≑		90°
LEDS	XP-G2 HE	
		75
FWHM / FWTM	18.0° / 33.0°	1500
Efficiency	80 %	60° / / / / / 80°
Peak intensity	6.3 cd/lm	
LEDs/each optic	1	g <sup>*</sup>
Light colour	White	$i \times i \times i$
Required components:		4830
		30°
	)S	50°
LED	LUXEON C	
EED FWHM / FWTM	11.0° / 24.0°	73* 200
Efficiency	85 %	
Peak intensity	15.5 cd/lm	60° 6100
LEDs/each optic	1	
Light colour	White	97 900 Pr
Required components:		
		X / T / X
		2010 2010
		30° 15° 0° 15°
	)S	50°
	S LUXEON CZ 9.0° / 19.0°	<u>2.</u> 2. 2.
LED	LUXEON CZ	
LED FWHM / FWTM	LUXEON CZ 9.0° / 19.0°	
LED FWHM / FWTM Efficiency	LUXEON CZ 9.0° / 19.0° 91 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1	37 64 1300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1	37 64 1300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1	37 64 1300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1	30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1	25° 0° 12° 3°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red	30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OPSRAM Opto Semiconductors LED	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red	25° 0° 12° 3°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0°	25° 0° 12° 3°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> Opto Semiconductors LED FWHM / FWTM Efficiency	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 %	25° 0° 12° 3°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm	25° 0° 12° 3°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm 1	64. 23. 24. 25. 26. 26. 26. 26. 26. 26. 27. 26. 26. 26. 26. 27. 26. 26. 26. 26. 27. 26. 26. 26. 26. 26. 26. 26. 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm	64. 23. 24. 25. 26. 26. 26. 26. 26. 26. 27. 26. 26. 26. 26. 27. 26. 26. 26. 26. 27. 26. 26. 26. 26. 26. 26. 26. 26
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>OSRAM</b> Optic Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 9.0° / 19.0° 91 % 26.2 cd/lm 1 Red OSCONIQ C 2424 12.0° / 24.0° 92 % 15 cd/lm 1	



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

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U	J	R	А	M

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

OSLON Square CSSRM2/CSSRM3 14.0° / 32.0° 91 % 9.1 cd/lm White

### OSRAM

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

OSRAM OSTAR Projection Compact (KW CSLPM1.TG) 12.0° / 25.0° 92 % 14.7 cd/lm White

### OSRAM

LED SFH 4170S FWHM / FWTM 8.5° Efficiency 78 % LEDs/each optic 1 Light colour White Required components:	Opto Semiconductors			
LEDs/each optic   1     Light colour   White     Required components:				
LEDs/each optic 1 Light colour White Required components: store structure LED Z5 FWHM / FWTM 8.0° / 17.0° Efficiency 91 % Peak intensity 31.6 cd/lm LEDs/each optic 1 Light colour White	Efficiency	78 %		
Required components:		1		
Storus Stanconnuctore   LED Z5   FWHM / FWTM 8.0° / 17.0°   Efficiency 91 %   Peak intensity 31.6 cd/lm   LEDs/each optic 1   Light colour White	Light colour	White		
SEQUIL SEMICONDUCTOR January 1   LED Z5   FWHM / FWTM 8.0° / 17.0°   Efficiency 91 %   Peak intensity 31.6 cd/lm   LEDs/each optic 1   Light colour White	Required components:			
LEDZ5FWHM / FWTM8.0° / 17.0°Efficiency91 %Peak intensity31.6 cd/lmLEDs/each optic1Light colourWhite				50 <sup>4</sup>
FWHM / FWTM 8.0° / 17.0°   Efficiency 91 %   Peak intensity 31.6 cd/lm   LEDs/each optic 1   Light colour White		75		
Efficiency 91 %   Peak intensity 31.6 cd/lm   LEDs/each optic 1   Light colour White				79
Peak intensity 31.6 cd/lm   LEDs/each optic 1   Light colour White				
LEDs/each optic 1 Light colour White		31.6 cd/lm		22000 VOC
		1		
Required components:	Light colour	White		45* 45*
	Required components:			



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

SEOUL SEOUL SEMICONDUCTOR		90° A 90°
LED	Z5M4	
FWHM / FWTM	18.0° / 36.0°	27
Efficiency	92 %	
Peak intensity	7.1 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required component	ts:	
		30° 12° 33°