

# PRODUCT DATASHEET FA11211\_TINA-W

# **TINA-W**

~50° wide beam optimized for LUXEON Rebel. Assembly with holder, installation tape and location pins.

### **SPECIFICATION:**

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



### **MATERIALS:**

Component
TINA-XP-W
TINA-H-TAPE-RE-BLK
TINA-TAPE3

Туре	Materi
Single lens	PMMA
Holder	PC
Таре	Acrylic

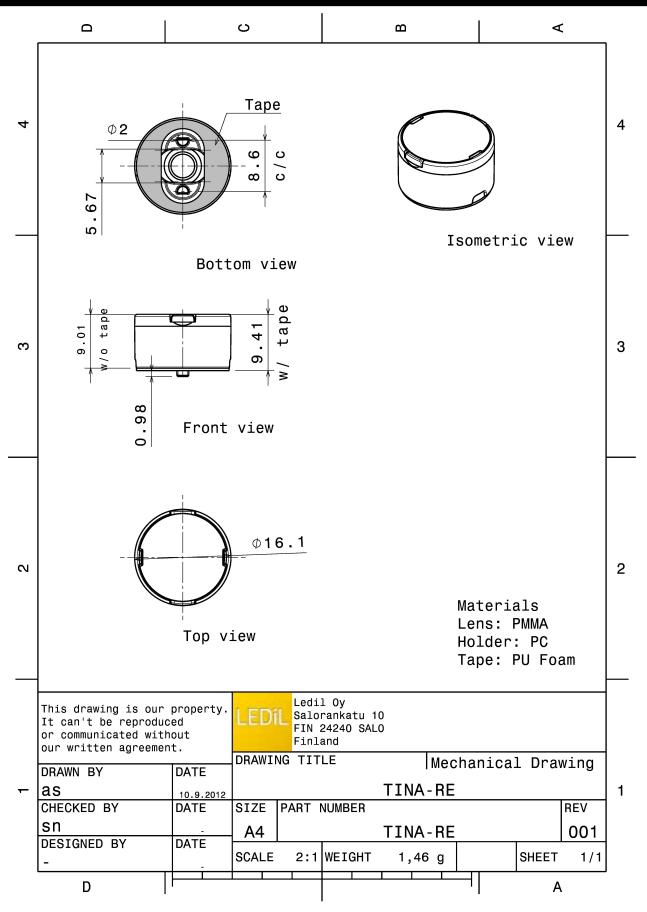
Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11211_TINA-W	Single lens	2016	288	144	4.1
» Box size:					



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



# **OPTICAL RESULTS (MEASURED):**

LED XB-H FWHM / FWTM 56.0° / 75.0° Efficiency 89 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components: Efficiency White Required components: EVENTILEDS: LED LUXEON Rebel FWHM / FWTM 44.0° / 61.0° Efficiency 88 % Peak intensity 1.6 cd/lm LEDs/each optic 1			 	 	
LED LUXEON Rebel FWHM / FWTM 44.0° / 61.0° Efficiency 88 % Peak intensity 1.6 cd/m LEDs/each optic 1 Light colour White Required components: Efficiency 80 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White HMH / FWTM 46.0° / 66.0° Efficiency 90 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White	Peak intensity LEDs/each optic Light colour	56.0° / 75.0° 89 % 1 cd/lm 1 White		20 <sup>4</sup> 40 20 40 40 20 <sup>4</sup> 50 20 <sup>4</sup> 50	
LED LUXEON Rebel FWHM / FWTM 44.0° / 61.0° Efficiency 88 % Peak intensity 1.6 cd/m LEDs/each optic 1 Light colour White Required components: Efficiency 80 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White HMH / FWTM 46.0° / 66.0° Efficiency 90 % Peak intensity 1.7 cd/m LEDs/each optic 1 Light colour White		FDS			
LEDLUXEON Z ESFWHM / FWTM46.0° / 66.0°Efficiency90 %Peak intensity1.7 cd/mLEDs/each optic1Light colourWhite	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Rebel 44.0° / 61.0° 88 % 1.6 cd/Im 1 White		20°	50°
	LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON Z ES 46.0° / 66.0° 90 % 1.7 cd/lm 1 White		91 <sup>4</sup> 77 80 <sup>4</sup> 87 87 87 80 80 80 80 80 80 80 80 80 80 80 80 80	



# **OPTICAL RESULTS (SIMULATED):**

		90°
LED	XB-D	
FWHM / FWTM	42.0° / 66.0°	73*
Efficiency	90 %	
Peak intensity	1.8 cd/lm	99°
LEDs/each optic	1	
Light colour	White	97* BT
Required components:		
		1630
		300 300
		15° 0° 15°
		90*
LED	XQ-E HI	
FWHM / FWTM	42.0° / 67.0°	400
Efficiency	92 %	60°
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	er er
Required components:		
		30* 30*
1		15° 2000 15°
	)S	90° 90°
		99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED	LUXEON H50-2	22. 26. 26. 26. 26. 26. 26.
LED FWHM / FWTM	LUXEON H50-2 52.0° / 66.0°	10,     20,       20,     20,       20,     20,
LED FWHM / FWTM Efficiency	LUXEON H50-2 52.0° / 66.0° 92 %	64 400 65 54 25 54 5 54 55 54 5 54 5 54 5
LED FWHM / FWTM Efficiency Peak intensity	LUXEON H50-2 52.0° / 66.0°	60 60 90 90 12 26 12 26 12 12 12 12 12 12 12 12 12 12
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1	20     00     00       21     20     25       22     25     25       24     20     25
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm	60 60 61 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1	5° 000 5° 5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1	30     127     200     52       30     00     00     00       30     00     00     00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White	30, 30,   30, 10,   30, 10,   30, 00   60, 00   60, 00   60, 00   60, 00   10,0 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White	22 24 25 26 26 26 27 27 26 27 27 26 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 %	72
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 % 3.2 cd/lm	99° 000 00°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 % 3.2 cd/lm 1	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 % 3.2 cd/lm	60° 22 23
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 % 3.2 cd/lm 1	60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 % 3.2 cd/lm 1	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON H50-2 52.0° / 66.0° 92 % 1.3 cd/lm 1 White S LUXEON HL1Z 26.0 + 27.0° / 56.0° 92 % 3.2 cd/lm 1	5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5. 5



# **OPTICAL RESULTS (SIMULATED):**

	DS	20° 50°
LED FWHM / FWTM	LUXEON HL2Z 36.0° / 60.0°	77. 77
Efficiency Peak intensity LEDs/each optic	93 % 2.3 cd/lm 1	
Light colour Required component	White	er
	-	
		34° 240 37°



#### **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.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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