

PRODUCT DATASHEET FA11904_TINA3-WWW

TINA3-WWW

~70° wide beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	7 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIALS:

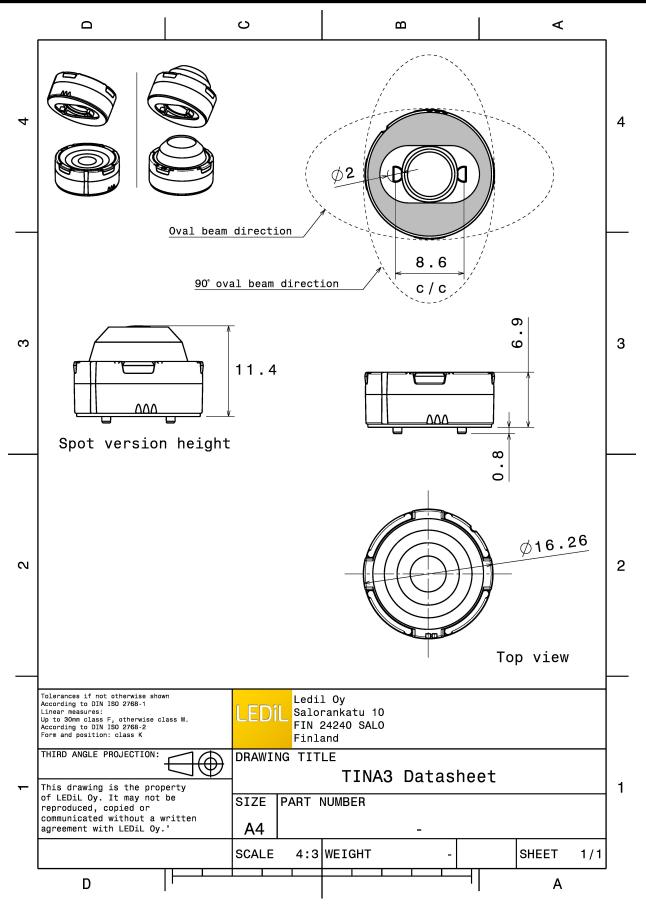
Component	Туре	Material	Colour	Finish
TINA3-WWW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Таре	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11904_TINA3-WWW	Single lens	2016	288	288	3.0
» Box size:					



PRODUCT DATASHEET FA11904_TINA3-WWW



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



OPTICAL RESULTS (MEASURED):

CDEE		A P
		90° 90°
LED	XM-L	75'
FWHM / FWTM	70.0° / 122.0°	
Efficiency	89 %	50 ⁴ 50 ⁰
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	g2" 460
Required componer	ts:	
		30"
		ref ho ree
LEDS		90* 90*
LED	XM-L2	
FWHM / FWTM	71.0° / 110.0°	
Efficiency	88 %	60 ⁴
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	ar 1997
Required componer	ts:	
		34° 257 69 257 34°
		90 ⁴ 90 ⁴
LED	XP-G2	
FWHM / FWTM	67.0° / 107.0°	73
Efficiency	90 %	
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required componer	ts:	
CREE 🔶		*ez
LED	XP-L HD	*ez
LED FWHM / FWTM	65.0° / 112.0°	*ez
LEDs LED FWHM / FWTM Efficiency	65.0° / 112.0° 89 %	127
LEDs LED FWHM / FWTM Efficiency Peak intensity	65.0° / 112.0° 89 % 0.7 cd/lm	127
LEDs EWHM / FWTM Efficiency Peak intensity LEDs/each optic	65.0° / 112.0° 89 % 0.7 cd/lm 1	127
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	65.0° / 112.0° 89 % 0.7 cd/lm 1 White	127
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	65.0° / 112.0° 89 % 0.7 cd/lm 1 White	127
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	65.0° / 112.0° 89 % 0.7 cd/lm 1 White	127
LEDs LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	65.0° / 112.0° 89 % 0.7 cd/lm 1 White	127



OPTICAL RESULTS (MEASURED):

		50 ¹ 50 ²
LED	XP-L HI	
FWHM / FWTM	67.0° / 101.0°	8
Efficiency	90 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		30'
		25 ⁵ 900 15 ⁴
		90* 90*
LED	XT-E	77
FWHM / FWTM	60.0° / 110.0°	
Efficiency	88 %	
Peak intensity	0.8 cd/lm	
LEDs/each optic	1	
Light colour	White	a. a.
Required compone	ents:	
		300 30-
ØNICHI/		
LED	- NS9x383	
FWHM / FWTM	72.0° / 114.0°	3. 3.
Efficiency	87 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	e. e.
Required compone		
		30* 20*
		35 ⁴ 6 ³ 35 ⁴
		90 ⁴
LED	NVSW219F	77
FWHM / FWTM	64.0° / 107.0°	
Efficiency	90 %	6) ¹ . 81.
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30 ⁶ 30 ⁹ 30 ⁹



OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR		907
LED	Z5M1/Z5M2	
FWHM / FWTM	65.0° / 106.0°	
Efficiency	89 %	60 ¹ 60 ¹
Peak intensity	0.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	



OPTICAL RESULTS (SIMULATED):

		50° 50°
LED	XD16	73.
FWHM / FWTM	77.0° / 116.0°	
Efficiency	87 %	60° 60°
Peak intensity	0.5 cd/lm	200
LEDs/each optic	4	
Light colour	White	
Required components:		
		304 304 304
		<u>30*</u>
LED	XHP35 HD	75'
FWHM / FWTM	67.0° / 120.0°	
Efficiency	84 %	50° 200 56°
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45° 400
Required components:		
		30° 30°
		20) v 20 99* 99*
CREE ÷	XHP35 HI	
	XHP35 HI 75.0° / 109.0°	
LED FWHM / FWTM		
LED FWHM / FWTM Efficiency	75.0° / 109.0°	
LED FWHM / FWTM Efficiency Peak intensity	75.0° / 109.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	75.0° / 109.0° 94 % 0.7 cd/lm	51 0 10 51 0 10 510
LED FWHM / FWTM Efficiency Peak intensity	75.0° / 109.0° 94 % 0.7 cd/lm 1	20 - 20 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 109.0° 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 109.0° 94 % 0.7 cd/lm 1	200 200 200 200 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 109.0° 94 % 0.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	75.0° / 109.0° 94 % 0.7 cd/lm 1	
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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	75.0° / 109.0° 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	75.0° / 109.0° 94 % 0.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED ED FWHM / FWTM	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0° 86 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0° 86 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0° 86 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0° 86 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0° 86 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	75.0° / 109.0° 94 % 0.7 cd/lm 1 White XHP35.2 HD 79.0° / 120.0° 86 % 0.5 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	XM-L HVW 80.0° % 1 White		
			90° 99°
LED	XP-G3		
FWHM / FWTM	76.0° / 113.0°		
Efficiency	91 %		60 ¹ 200 60 ¹
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour	White		gr de la companya de
Required components:			31 ⁴ 60 34
)S		90 ⁴ 90 ⁴
LED	LUXEON HL2X		
FWHM / FWTM	81.0° / 113.0°		75*
Efficiency	93 %		605 200 60*/
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour Required components:	White		
			30° 600 30° 30°
	JS	Polar intensity graph	50°
LED	SST-10-IR-B90		75'
FWHM / FWTM	72.0° / 99.0°	4 .0	
Efficiency	92 %	2.0	
LEDs/each optic	1		
Light colour	IR		
Required components:			
			00 30 30
			15° 860 15°

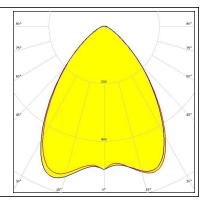


OPTICAL RESULTS (SIMULATED):

ΜΝΙCΗΙΛ

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

NVSW3x9A 79.0° / 117.0° 92 % 0.6 cd/lm 1 White





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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LEDiL Oy

Joensuunkatu 13 FI-24240 SALO Finland

LEDiL Inc. 228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd. # 405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support www.ledil.com/ where_to_buy

Shipping locations Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy