

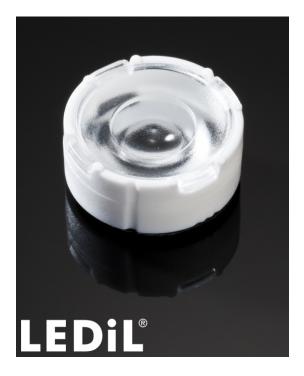
PRODUCT DATASHEET CA12427_TINA3-WW

TINA3-WW

~55° wide beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

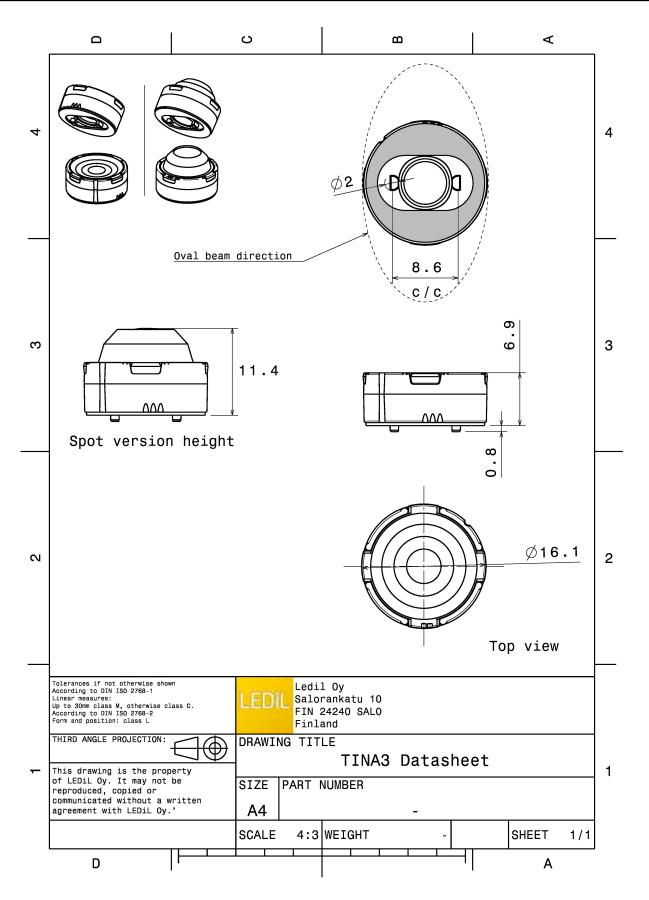
Component	Туре	Material	Colour	Finish
TINA3-WW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE	Holder	PC	white	
TINA-TAPE3	Таре	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12427_TINA3-WW	Single lens	5750	230	230	8.4
» 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>



r		
		90° 90°
LED	XHP35 HI	
FWHM / FWTM	60.0° / 94.0°	75.
Efficiency	92 %	
Peak intensity	0.9 cd/lm	60* 00*
LEDs/each optic	1	
Light colour	White	47*
Required componer		
		30° 30°
		15° 0° 15°
		90* 90*
LED	XP-E2	
FWHM / FWTM	58.0° / 84.0°	
Efficiency	89 %	60° 60°
Peak intensity	1.1 cd/lm	400
LEDs/each optic	1	$\langle \rangle$
Light colour	White	gr
Required componer	nts:	
		30. 30.
	1	90* 90* 90*
LED	XP-G	
FWHM / FWTM	58.0° / 88.0°	75° 200
Efficiency	89 %	
Peak intensity	1 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	ar
Required componer		
		30* 1000 30*
	1	135 ⁹ 0 ⁶ 35 ⁹
		90°
	XP-G2	73.
FWHM / FWTM		
	59.0° / 89.0°	
Efficiency	90 %	604
Efficiency Peak intensity	90 % 0.9 cd/lm	6 ⁴
Efficiency Peak intensity LEDs/each optic	90 % 0.9 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.9 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	90 % 0.9 cd/lm 1 White	61 62 67 67
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.9 cd/lm 1 White	61 (c) (c) (c) (c) (c) (c) (c) (c) (c) (c)
Efficiency Peak intensity LEDs/each optic Light colour	90 % 0.9 cd/lm 1 White	60° 60°



		90 ⁴ 90 ⁴
LED	XP-L HI	
FWHM / FWTM	58.0° / 87.0°	72*
Efficiency	92 %	
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour	White	at the second
Required componer	nts:	
		30. 30.
		10% 10%
		90* 90*
LED	XT-E	73'
FWHM / FWTM	56.0° / 86.0°	
Efficiency	87 %	60° 60°
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	*
Required componer	nts:	
		364 364 364 364
	EDS	5 ¹
LUMIL	EDS LUXEON 2835 Line	90°
		30° 30° 30°
LED	LUXEON 2835 Line	90 ⁴ 73 ⁴ 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM	LUXEON 2835 Line 60.0° / 92.0°	61 21 22 20 20 20 20 25 25 25
LED FWHM / FWTM Efficiency	LUXEON 2835 Line 60.0° / 92.0° 92 %	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm	54 ⁴ 75 ⁴ 64 ⁴ 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White	94 ⁴ 77 ⁴ 64 ⁴ 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White	94 72 64 64 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White	94 ⁴ 73 ⁴ 64 ⁴ 60 ⁶ 60 ⁶ 60 ⁶ 60 ⁶ 60 ⁶ 60 ⁶ 60 ⁶
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White hts: EDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White hts: EDS LUXEON A	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Mequired component LED FWHM / FWTM	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White hts: EDS LUXEON A 58.0° / 88.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Mequired component Equired component Component Required component Equired component Required component Equired component Component Required component Equired component Componen	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White hts: EDS LUXEON A 58.0° / 88.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component Component Required component Efficiency Peak intensity	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts: EDS LUXEON A 58.0° / 88.0° 89 % 0.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component Equired component Required component Equired component Equired component Required component Equired c	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts: EDS LUXEON A 58.0° / 88.0° 89 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Methods and the second Event Colour Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts: EDS LUXEON A 58.0° / 88.0° 89 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Equired component Equired component Required component Equired component Equired component Required component Equired c	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts: EDS LUXEON A 58.0° / 88.0° 89 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Methods and the second Event Colour Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts: EDS LUXEON A 58.0° / 88.0° 89 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Methods and the second Event Colour Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 60.0° / 92.0° 92 % 0.9 cd/lm 1 White nts: EDS LUXEON A 58.0° / 88.0° 89 % 0.9 cd/lm 1 White	



🤭 LUMIL	EDS		90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON T 61.0° / 90.0° 87 % 0.9 cd/lm 1 White		
	EDC		1257 of 150
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LUXEON TX 63.0° / 93.0° 87 % 0.8 cd/lm 1 White		
			257 of 15°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757A 60.0° / 92.0° 85 % 0.9 cd/lm 1 White		
<i>𝔅</i> NICHI∕	L .		99° 99'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19A 62.0° / 94.0° 86 % 0.8 cd/lm 1 White		21 - 20 - 27 - 27 - 27 - 27 - 27 - 27 - 27



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSxx19B/NVSxx19C 62.0° / 93.0° 91 % 0.8 cd/lm 1 White	94 94 72 72 95 60 96 97 96 96 96 96 96 96 96 96 96 96 96 96 96
OSRAM		50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 58.0° / 91.0° 87 % 0.9 cd/lm 1 White nts:	3h, 12, 0h, 12, p, 2h, 0h 2, 0h 2h,
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351B 59.0° / 91.0° 87 % 0.9 cd/lm 1 White	34 00 00 00 00 00 00 00 00 00 0
SAMSU LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LH351Z 68.0° / 96.0° 88 % 0.8 cd/lm 1 White	32, 60 72, 94 22, 900 92, 94 24, 900 92, 95 36, 900 92, 95 36, 900 92, 95 36, 900 92, 95



PHOTOMETRIC DATA (SIMULATED):

	DS	90*
LED	LUXEON H50-2	75
FWHM / FWTM	64.0° / 82.0°	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Efficiency	87 %	60* 60*
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
Light colour Required components:	White	
Required components.		
		30-
Μ ΝΙCΗΙΛ		99* 99
	NO0 5/74	30.
	NCSxE17A	75
FWHM / FWTM Efficiency	60.0° / 81.0° 80 %	200
Peak intensity	0.9 cd/lm	60° 60'
LEDs/each optic	1	
Light colour	White	gr
Required components:		
		30° 30,
		45° 0° 15°
ΜΝΙCΗΙΛ		90* 90*
LED	NF2x757G	25
FWHM / FWTM	57.0° / 89.0°	200
Efficiency	88 %	60 ⁴ 605
Peak intensity	1 cd/lm	
LEDs/each optic	1	
Light colour	White	97°
Required components:		
		800
		30° 30° 30°
Μ ΝΙCΗΙΛ		90* 90*
LED	NVSxE21A	75
FWHM / FWTM	62.0° / 92.0°	75* 200
Efficiency	90 %	60° 60°
Peak intensity	0.9 cd/lm	
LEDs/each optic	1	
	White	a, a.
Light colour		
Light colour Required components:		600
		ele



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors		90* 90*
LED	OSLON SSL 120	
FWHM / FWTM	61.0° / 83.0°	75°
Efficiency	87 %	
Peak intensity	1 cd/im	400
	1	
LEDs/each optic	I Amber	
Light colour Required components:	Amber	
Required components.		800
		30° 30° 30°
OSRAM		
Opto Semiconductors		30.
LED	SYNIOS S2222 (KW DDLM31)	75.
FWHM / FWTM	58.0° / 78.0°	
Efficiency	95 %	60° 60°
Peak intensity	1.1 cd/lm	
LEDs/each optic	1	
Light colour	White	ea.
Required components:		
		30° 100 100 000 30°
SAMSUN	IG	
		30. 30.
LED	LM28xB Series	3 ¹
LED FWHM / FWTM	LM28xB Series 62.0° / 88.0°	97 97 78 - 260 - 75
LED FWHM / FWTM Efficiency	LM28xB Series 62.0° / 88.0° 92 %	
LED FWHM / FWTM Efficiency Peak intensity	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm	97 97 76 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm	97 97 79 79 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1	97 97 79 90 90 57 66
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1	90° 99° 73° 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1	90 99 70 20 79 60 400 400 60 50
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White I G LM301B 62.0° / 87.0°	30° 20° 20°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White I LM301B 62.0° / 87.0° 92 %	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	30° 20° 20°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	30 ⁴ 30 ⁵ 30 ⁵ 30 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	30 ⁴ 30 ⁵ 30 ⁵ 30 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	30 ⁴ 30 ⁵ 30 ⁵ 30 ⁵
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM28xB Series 62.0° / 88.0° 92 % 0.9 cd/lm 1 White	39*



PHOTOMETRIC DATA (SIMULATED):

SEOUL SEOUL SEMICONDUCTOR		<u>30*</u>
LED	Z5M1/Z5M2	
FWHM / FWTM	61.0° / 86.0°	200
Efficiency	94 %	
Peak intensity	1 cd/lm	400
LEDs/each optic	1	
Light colour	White	47 ⁴ 640 - 61
Required components:		
		**
		30° 30°
		15° 0° 15°
		30* 51*
SEOUL SEMICONDUCTOR	Z8Y22P	
SEOUL SEMICONDUCTOR	Z8Y22P 62.0° / 92.0°	91 ⁴ 95 ⁴ 71 ⁴ 70
seoul semiconductor		75
seoul semiconductor LED FWHM / FWTM	62.0° / 92.0°	75
seoul semiconductor LED FWHM / FWTM Efficiency	62.0° / 92.0° 92 %	75
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	62.0° / 92.0° 92 % 0.9 cd/lm	73'
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	62.0° / 92.0° 92 % 0.9 cd/lm 1	2° - 200 6°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 92.0° 92 % 0.9 cd/lm 1	2° - 200 - 57° - 57° - 60° - 6
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 92.0° 92 % 0.9 cd/lm 1	2° - 200 6°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	62.0° / 92.0° 92 % 0.9 cd/lm 1	2° - 200 - 57° - 57° - 60° - 6



PRODUCT DATASHEET CA12427_TINA3-WW

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:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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