

PRODUCT DATASHEET CA11174_TINA2-M

TINA2-M

~30° medium beam optimized for Nichia NS6x83. Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
ROHS compliant	yes 🛈



MATERIALS:

Component TINA2-M TINA2-HLD-N83-BLK TINA-TAPE3

Туре	Ν
Single lens	Р
Holder	Р
Таре	A

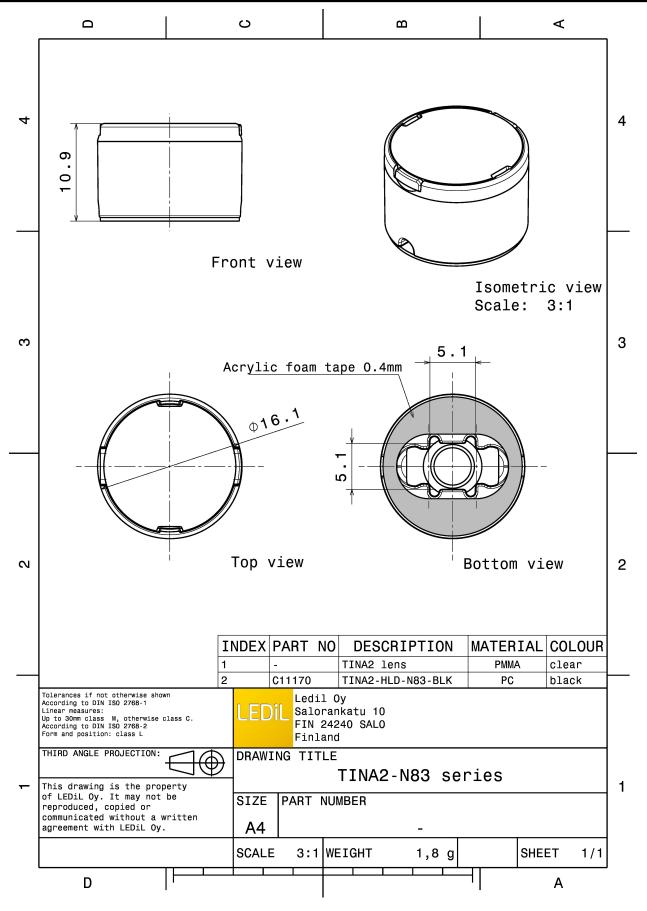
Material	Colour	Finish
PMMA	clear	
PC	black	
Acrylic foam	black	
	PMMA PC	PMMA clear PC black

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11174_TINA2-M	Single lens	4140	230	230	8.4
» Box size: 451 x 241 x 298 mm					



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



OPTICAL RESULTS (MEASURED):

		80'
LED	MX-6	77
FWHM / FWTM	30.0° / 60.0°	
Efficiency	83 %	805
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer	nts:	100
		30
	EDS	95 ⁺
LED	LUXEON 5050 Round LES	
EED FWHM / FWTM	34.0° / 69.0°	77
Efficiency	78 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	80
Light colour	' White	g
Required componer		
		30° 3 155' 0° 25°
🕐 LUMIL	EDS	51*
LED	LUXEON V	
FWHM / FWTM	32.0° / 63.0°	73
Efficiency	75 %	
Peak intensity	1.9 cd/lm	
LEDs/each optic	1	
Light colour	White	e ^r 120
Required componer	nts:	
		30
		<u> </u>
LED	NS3x83	
FWHM / FWTM	32.0° / 60.0°	
Efficiency	%	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required componer		
,		



OPTICAL RESULTS (MEASURED):

ØNICHI/	ι		90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NS6x83 30.0° / 60.0° 85 % 2.3 cd/lm 1 White		27 61 61 61 61 61 61 61 61 61 61 61 61 61
ортфа		 	 24° 22 07 23°
LED	OLP-x5050F6L		
FWHM / FWTM	34.0° / 64.0°		
Efficiency	86 %		
Peak intensity	2.1 cd/lm		
LEDs/each optic	1		
Light colour Required compone	White ents:		20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
SAMSI	UNG		90*
LED	LH508A		
FWHM / FWTM	33.0° / 68.0°		78
Efficiency	71 %		400
Peak intensity	1.5 cd/lm		
LEDs/each optic	1		
Light colour Required compone	White ents:		
			2° 20 27 20 27



OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	J Series 5050 Round LES 32.0° / 65.0° 83 % 2 cd/lm 1 White	20° 20° 20° 20° 20° 20° 20° 20°
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 28.0° / 51.0° 90 % 3.4 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00 00 00 00
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G3 30.0° / 56.0° 84 % 2.7 cd/lm 1 White	200 200 00 00 00 00 00 00 00 00
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L HI 30.0° / 54.0° 89 % 2.9 cd/lm 1 White	13° 0° 13° 13° 0° 0° 13° 13° 13°



OPTICAL RESULTS (SIMULATED):

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XT-E 28.0° / 52.0° 81 % 2.9 cd/lm 1 White		200 62 62 700 700 700 700 700 80 80 80 80 80 80 80 80 80 80 80 80 8
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW219F 30.0° / 55.0° 88 % 2.8 cd/lm 1 White		
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S8 31.0° / 65.0° 78 % 1.9 cd/lm 1 White		20 20 20 20 20 20 20 20 20 20
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	SFH 4715AS 29.0° / 50.0° 87 % 1 IR	Polor intensity graph	200 200 200 200 200 200 200 200



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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