

PRODUCT DATASHEET CA12376_TINA2-SS

TINA2-SS

~20° smooth spot beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.3 mm
Fastening	tape, pin
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component
TINA2-SS
TINA2-HLD-BLK
TINA-TAPE3

Туре	
Single lens	
Holder	
Таре	

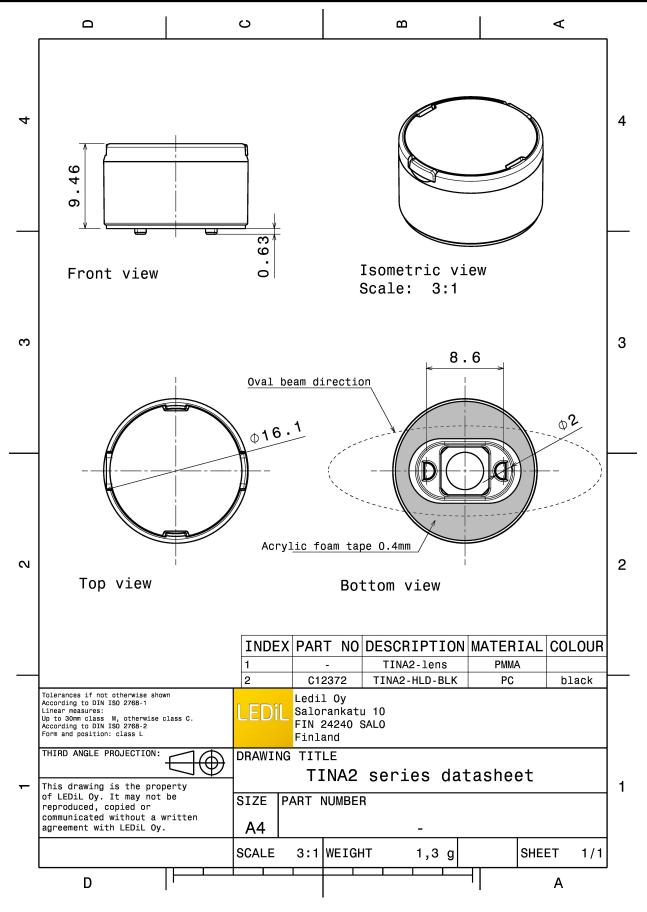
Material	Colour	Finish
PMMA	clear	
PC	black	
PU tape	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12376_TINA2-SS	Single lens	4140	230	230	8.6
» Box size:					



PRODUCT DATASHEET CA12376_TINA2-SS



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



PHOTOMETRIC DATA (MEASURED):

CREE -		50° 900
LED	XB-H	
FWHM / FWTM	22.0° / 41.0°	75
Efficiency	87 %	
Peak intensity	4.8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr et
Required compone		
		30" 35 of 35" 36"
CREE -		
LED	XQ-E HD	
EED FWHM / FWTM	22.0° / 39.0°	
Efficiency	85 %	
Peak intensity	6.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		<u>50'</u> 50'
LED FWHM / FWTM		75
Efficiency	20.0° / 33.0° 91 %	
Peak intensity	7.3 cd/lm	
LEDs/each optic	1	
Light colour	White	at a
Required compone		
		600
		30"
C LUMIL	EDS	00
LED	LUXEON TX	25°
LED FWHM / FWTM	LUXEON TX 22.0° / 40.0°	23 ⁻
LED FWHM / FWTM Efficiency	LUXEON TX 22.0° / 40.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 22.0° / 40.0°	77
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON TX 22.0° / 40.0° 89 % 5.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity	LUXEON TX 22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON TX 22.0° / 40.0° 89 % 5.1 cd/lm 1 White	



PHOTOMETRIC DATA (MEASURED):

LED	LUX
FWHM / FWTM	21.0
Efficiency	88 %
Peak intensity	6.9 c
LEDs/each optic	1
Light colour	Whit
Required compone	ents:

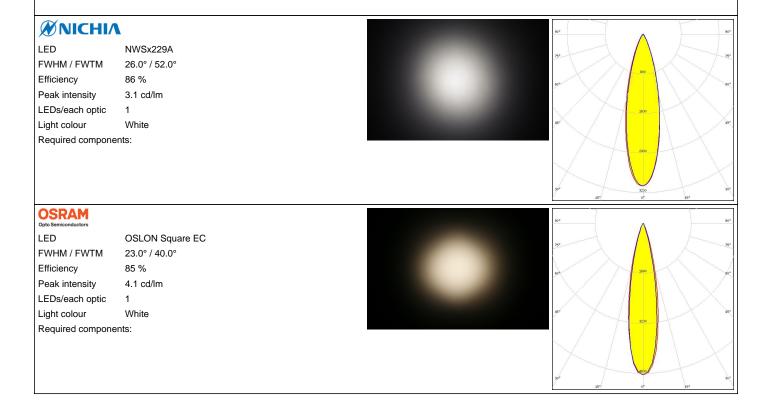




ØNICHIΛ

LED	NVS
FWHM / FWTM	22.0
Efficiency	88 %
Peak intensity	4.5
LEDs/each optic	1
Light colour	Whi
Required componen	ts:

NVSxx19B/NVSxx19C 22.0° / 44.0° 88 % 4.5 cd/lm 1 White ents:





PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON SSL 150 22.0° / 37.0° 89 % 6.3 cd/lm 1 White ents:		34 73 94 94 94	100 233 433 433	22 05 05 05 05 05 05 05 05 05 05
OSERAM Opto Semiconductors	SFH 4725S 20.0° / 39.0° % 1 White ents:				
scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Z5M3 23.0° / 45.0° 87 % 4 cd/lm 1 White ents:		90° 90° 90°	2009	9°



PHOTOMETRIC DATA (SIMULATED):

	DS	50° 39
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 26.0° / 45.0° 93 % 3.8 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20 20 20 20 2
UMILEI	DS	
LED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Compact 26.0° / 44.0° 84 % 1 White	
	NFSx757G	9 ¹
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	27.0° / 47.0° 92 % 3.7 cd/lm 1 White	9 · · · · · · · · · · · · · · · · · · ·
Required components:	white	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	Duris S5 (2 chip) 25.0° / 46.0° 92 % 4.1 cd/lm	00 ⁴ 100 00
LEDs/each optic Light colour Required components:	1 White	57



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSCONIQ P 3030 24.0° / 44.0 + 45.0° 91 % 4.4 cd/lm 1 Blue	30, 30, 31, 40, 52, 52, 52, 52, 52, 52, 52, 52
OSRAM		357 507 327
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square Flat 27.0° / 45.0° 90 % 3.9 cd/lm 1 White	20° 0° 22° 20° 0° 22° 20° 0° 22° 20° 0° 0° 20° 0° 2
OSRAM		
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 80 26.0° / 42.0° 91 % 3.9 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON SSL 80 27.0° / 46.0° 90 % 3.7 cd/lm 1 White	5 ¹ 5 ¹



PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors	
LED	SFH 4770S
FWHM / FWTM	24.0° / 44.0°
Efficiency	86 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components	:



PRODUCT DATASHEET CA12376_TINA2-SS

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

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