

PRODUCT DATASHEET FA10886_TINA-RS

TINA-RS

~13° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10.1 mm
Fastening	tape
ROHS compliant	yes 🛈



MATERIALS:

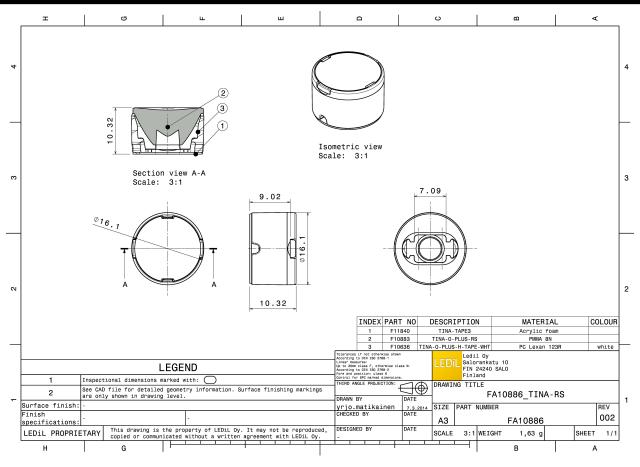
Component	Туре	Material	Colour	Finish
TINA-O-PLUS-RS	Single lens	PMMA	clear	
TINA-O-PLUS-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Таре	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10886_TINA-RS	Single lens	2016	288	144	4.1
» Box size:					



PRODUCT DATASHEET FA10886_TINA-RS



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



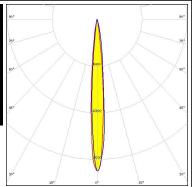
OPTICAL RESULTS (MEASURED):

OSRAM

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

Golden Dragon+ 10.0° / 19.0° 93 % 20.1 cd/lm 1 White ents:







CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 10.0° / 25.0° 88 % 13.1 cd/lm 1 White	201 227 04 127 201 057 201 0
LED FWHM / FWTM Efficiency Peak intensity	XP-G3 16.0° / 36.0° 85 % 6.1 cd/lm	90° 75° 60° 60°
LEDs/each optic Light colour Required components:	1 White	g e e e e e e
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-L HI 12.0° / 32.0° 89 % 8.6 cd/lm 1 White	25. 200 60 36. 200 60 36. 200 60 36. 200 60
CREES LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XT-E 12.0° / 32.0° 81 % 6.8 cd/lm 1 White	00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00



	DS Contraction of the second	90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Square LES 22.0° / 56.0° 84 % 2.6 cd/lm 1 White	27 27 20 20 20 20 20 20 20 20 20 20
)S	90 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CZ 10.0° / 22.0° 88 % 16.3 cd/lm 1 Red	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 18.0° / 46.0° 85 % 3.7 cd/lm 1 White	
WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4WB35AM 18.0° / 45.0° 85 % 3.9 cd/lm 1 White	



ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW219F 14.0° / 34.0° 88 % 7.5 cd/lm 1 White	20. 21. 22. 23. 24. 100 100 100 100 100 100 100 10
Μ ΝΙCΗΙΛ		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW519A 19.0° / 40.0° 85 % 5.1 cd/lm 1 White	25. 25. 25. 25. 25. 25. 25. 25. 25. 25.
ØΝΙCΗΙΛ		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSxx19B/NVSxx19C 14.0° / 34.0° 84 % 6.5 cd/lm 1 White	200 201 201 201 201 201 201 201
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	KW CULPM1.TG 11.0° / 27.0° 88 % 11.1 cd/lm 1 White	30, 12, 0, 15, X, 10, X



SAMSU	NG	30° 50°
LED	LH351C	7*
FWHM / FWTM	16.0° / 37.0°	
Efficiency	91 %	60 ⁴
Peak intensity	6.4 cd/lm	
LEDs/each optic	1	
Light colour	White	97
Required component	s:	400



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