

TINA-RS

~13° spot beam optimized for Nichia NS6x83. Assembly with holder and installation tape.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	11.1 mm
Fastening	tape
ROHS compliant	yes 🕕



MATERIALS:

Component	Туре	Material	Colour	Finish
TINA-RS	Single lens	PMMA	clear	
TINA-N83-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

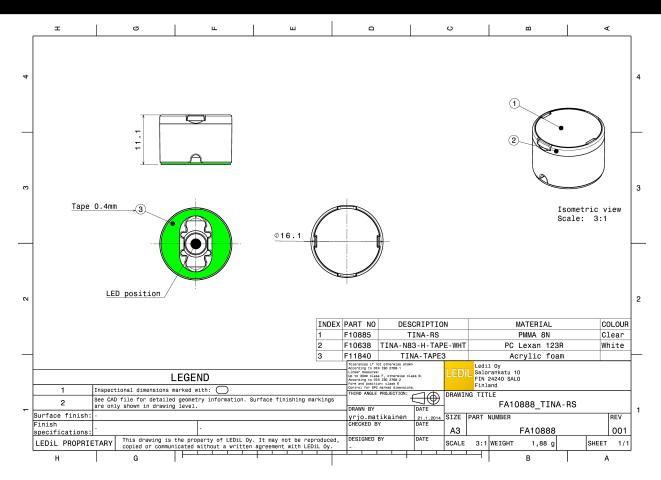
ORDERING INFORMATION:

» Box size: 470 x 240 x 105 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10888_TINA-RS	Single lens	2016	288	144	4.1



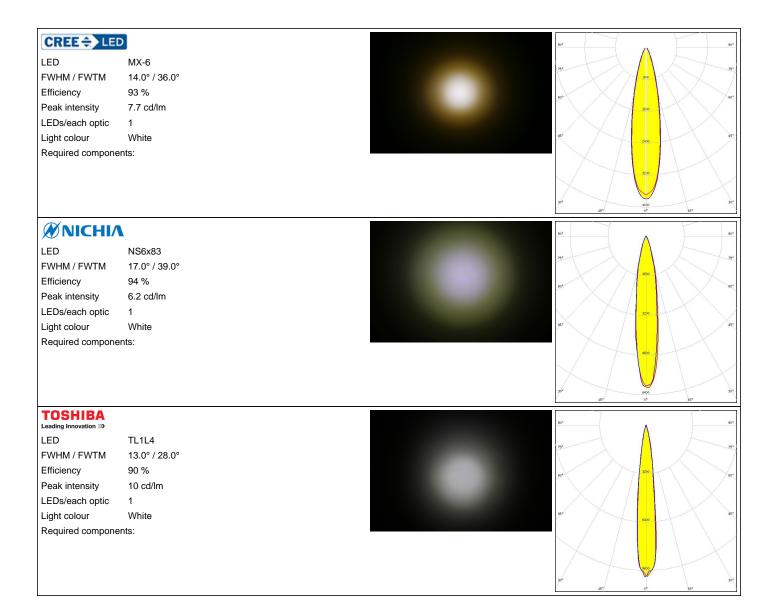
PRODUCT DATASHEET FA10888_TINA-RS



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



OPTICAL RESULTS (MEASURED):







 LED
 XP-E2

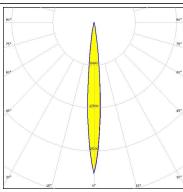
 FWHM / FWTM
 10.0° / 20.0°

 Efficiency
 92 %

 Peak intensity
 22.6 cd/lm

LEDs/each optic 1
Light colour White

Required components:



CREE - LED

 LED
 XP-G2

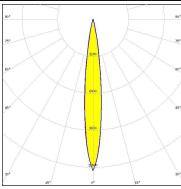
 FWHM / FWTM
 14.0° / 25.0°

 Efficiency
 92 %

 Peak intensity
 13.1 cd/lm

LEDs/each optic 1
Light colour White

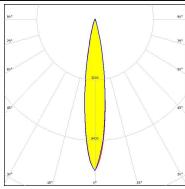
Required components:



CREE - LED

LED XP-G3
FWHM / FWTM 16.0° / 32.0°
Efficiency 89 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour White

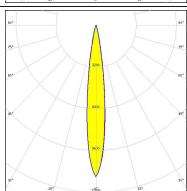
Required components:



CREE - LED

LED XP-L HI
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



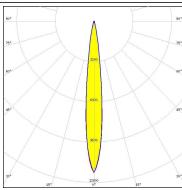


White



LED XT-E FWHM / FWTM 12.0° / 24.0° Efficiency 86 % Peak intensity 12.1 cd/lm LEDs/each optic

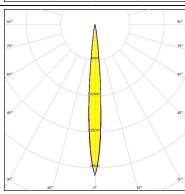
Light colour Required components:



LUMILEDS

LED LUXEON CZ FWHM / FWTM 10.0° / 18.0° Efficiency 92 % 27 cd/lm Peak intensity LEDs/each optic 1 Red Light colour

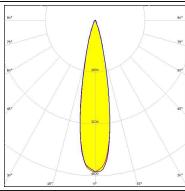
Required components:



WNICHIA

LED NV4WB35AM FWHM / FWTM 22.0° / 40.0° Efficiency 90 % Peak intensity 4.7 cd/lm LEDs/each optic 1 Light colour White

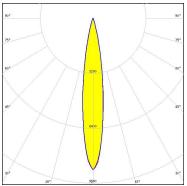
Required components:



WNICHIA

LED NVSW219F FWHM / FWTM 16.0° / 30.0° Efficiency 92 % Peak intensity 8.8 cd/lm LEDs/each optic White Light colour

Required components:

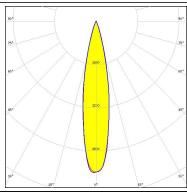




WNICHIA

LED NVSW519A FWHM / FWTM 20.0° / 37.0° Efficiency 88 % Peak intensity 5.6 cd/lm LEDs/each optic

Light colour Required components:



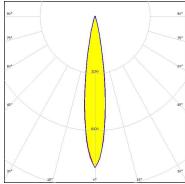
WNICHIA

LED NVSxx19B/NVSxx19C

White

FWHM / FWTM 16.0° / 30.0° Efficiency 88 % Peak intensity 8.5 cd/lm LEDs/each optic 1 White Light colour

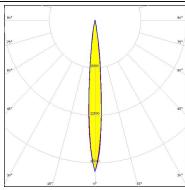
Required components:



OSRAM Opto Semiconductor

LED OSLON Black FWHM / FWTM 10.0° / 20.0° Efficiency 89 % Peak intensity 20.4 cd/lm LEDs/each optic 1 Light colour White

Required components:

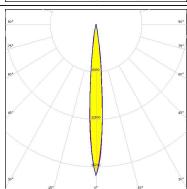


OSRAM

LED

SFH 4716AS FWHM / FWTM 11.0° / 21.0° Efficiency 90 % Peak intensity 17.7 cd/lm LEDs/each optic White Light colour

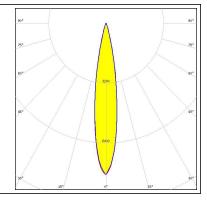
Required components:





SAMSUNG

LED LH351C
FWHM / FWTM 18.0° / 32.0°
Efficiency 94 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:





PRODUCT DATASHEET FA10888 TINA-RS

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