

TINA2-M

~30° medium beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



MATERIAL SPECIFICATIONS:

Component	Туре		Colour	Finish	
TINA2-XP-M	Single lens	PMMA	clear		
TINA2-HLD-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acrylic foam	black		

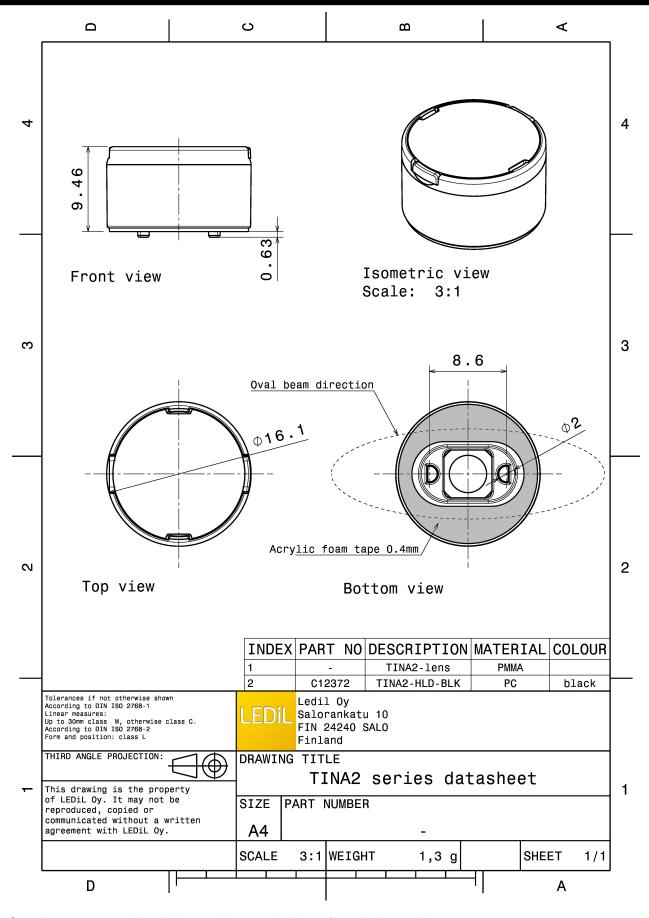
ORDERING INFORMATION:

» Box size: 451 x 241 x 298 mm

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12377_TINA2-M	Single lens	4140	230	230	8.3

Last update: 20/12/2021 Subject to change without prior notice Published: 16/11/2018



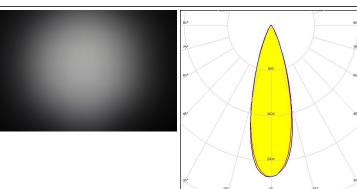


See also our general installation guide: www.ledil.com/installation_guide



CREE . LED

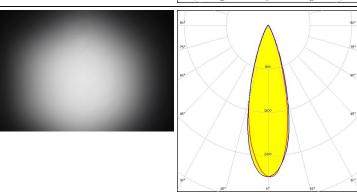
LED ХВ-Н $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 31.0° / 54.0° Efficiency 85 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White



CREE & LED

Required components:

LED XD16 FWHM / FWTM 30.0° / 52.0° Efficiency 83 % Peak intensity 2.8 cd/lm LEDs/each optic 1 White Light colour Required components:



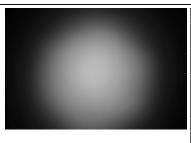
CREE - LED

XQ-E HD LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 51.0° Efficiency 84 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour White Required components:



MUMILEDS

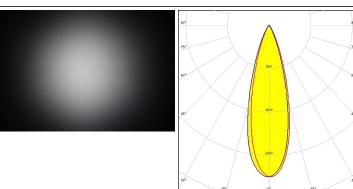
LED LUXEON CZ FWHM / FWTM 28.0° / 47.0° Efficiency 89 % Peak intensity 3.4 cd/lm LEDs/each optic White Light colour Required components:





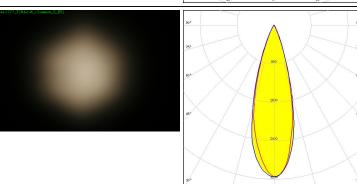
LUMILEDS LED LUXEON TX FWHM / FWTM 30.0° / 53.0° Efficiency 86 % Peak intensity 2.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:



MUMILEDS

LED LUXEON Z ES
FWHM / FWTM 31.0° / 50.0°
Efficiency 88 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



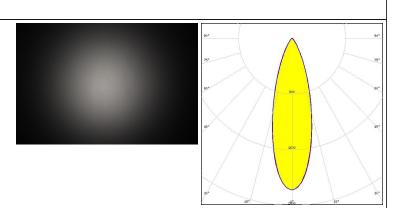
WNICHIA

LED NVSxx19B/NVSxx19C

FWHM / FWTM 29.0° / 55.0°
Efficiency 85 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NWSx229A
FWHM / FWTM 26.0° / 52.0°
Efficiency 86 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

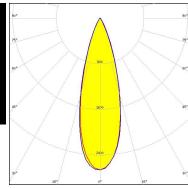




OSRAM

LED OSLON Square EC $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 54.0° Efficiency 85 % Peak intensity 2.2 cd/lm LEDs/each optic Light colour White Required components:





OSRAM

LED OSLON Square PC FWHM / FWTM 29.0° / 53.0° Efficiency 86 % Peak intensity 2.4 cd/lm LEDs/each optic 1 White Light colour Required components:

OSRAM Opto Semiconductors

LED OSLON SSL 150 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 51.0° Efficiency 87 % Peak intensity 2.5 cd/lm LEDs/each optic Light colour White Required components:

OSRAM

SFH 4170S LED FWHM / FWTM 28.0° / 50.0°

Efficiency % LEDs/each optic IR Light colour Required components:



OSRAM

LED SFH 4180S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 49.0°

Efficiency % LEDs/each optic Light colour IR Required components:

OSRAM

LED SFH 4715S FWHM / FWTM 28.0° / 56.0°

Efficiency % LEDs/each optic 1 IR Light colour Required components:

OSRAM Opto Semiconductors

LED SFH 4725S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 27.0° / 54.0°

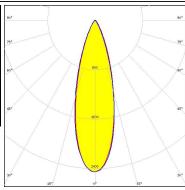
Efficiency % LEDs/each optic Light colour IR Required components:



SEOUL SEMICONDUCTOR

LED Z5M3 FWHM / FWTM 30.0° / 57.0° Efficiency 83 % Peak intensity 2.5 cd/lm LEDs/each optic White Light colour Required components:

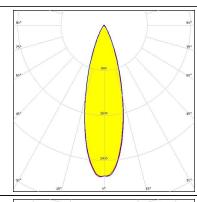






CREE . LED

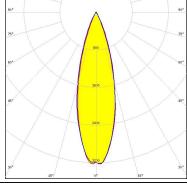
LED XB-D White $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 55.0° Efficiency 86 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White



CREE & LED

Required components:

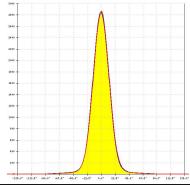
LED XQ-E HI FWHM / FWTM 29.0° / 51.0° Efficiency 90 % Peak intensity 3.2 cd/lm LEDs/each optic 1 White Light colour Required components:



LUMILEDS

LED LUXEON 2835 Line FWHM / FWTM 30.0° / 55.0° Efficiency 96 % Peak intensity 2.9 cd/lm LEDs/each optic 1

Light colour White Required components:



MUMILEDS

Required components:

LED LUXEON C FWHM / FWTM 30.0° / 52.0° Efficiency 93 % Peak intensity 2.9 cd/lm LEDs/each optic White Light colour





LUXEON IR Compact LED

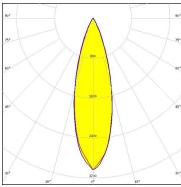
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 51.0° Efficiency 83 % LEDs/each optic 1 Light colour IR

MUMILEDS

Required components:

LED LUXEON SunPlus 20 Line (150 deg)

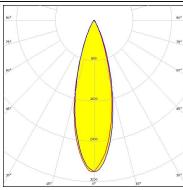
FWHM / FWTM 30.0° / 53.0° Efficiency 89 % Peak intensity 3 cd/lm LEDs/each optic 1 White Light colour Required components:



WNICHIA

LED NFSx757G FWHM / FWTM 29.0° / 53.0° Efficiency 90 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White

Required components:

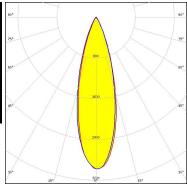


OSRAM

LED Duris S5 (2 chip) FWHM / FWTM 29.0° / 54.0° 92 % Efficiency

Peak intensity 3 cd/lm LEDs/each optic White Light colour Required components:



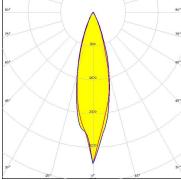




OSRAM

LED OSCONIQ P 3030 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 26.0° / 50.0 + 52.0°

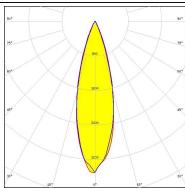
Efficiency 90 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour Blue



OSRAM

Required components:

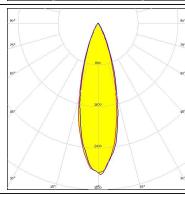
LED OSLON Black Flat FWHM / FWTM 28.0° / 49.0° Efficiency 91 % Peak intensity 3.5 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductor

OSLON Square CSSRM2/CSSRM3 LED

FWHM / FWTM 29.0° / 54.0° Efficiency 90 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components:

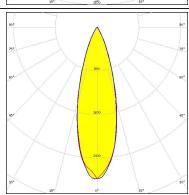


OSRAM

LED

OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 30.0° / 56.0° 90 % Efficiency Peak intensity 2.8 cd/lm LEDs/each optic White Light colour Required components:



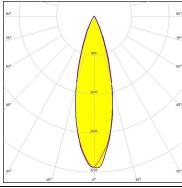


OSRAM

LED OSLON Square Flat

FWHM / FWTM 29.0° / 52.0°
Efficiency 89 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

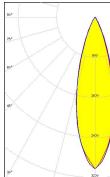




OSRAM

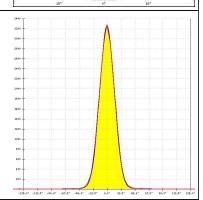
Opto Semiconductor

LED OSLON SSL 80
FWHM / FWTM 29.0° / 53.0°
Efficiency 89 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Opto Semiconductor

LED SFH 4715S
FWHM / FWTM 28.0° / 51.0°
Efficiency 90 %
LEDs/each optic 1
Light colour IR
Required components:



OSRAM

 LED
 SFH 4770S

 FWHM / FWTM
 27.0° / 51.0°

 Efficiency
 85 %

 LEDs/each optic
 1

Light colour IR Required components:

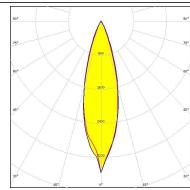


OSRAM

LED Synios P2720 1 mm

FWHM / FWTM 27.0° / 50.0° Efficiency 91 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour White

Required components:

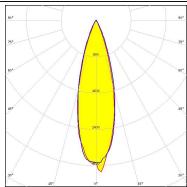


OSRAM

LED Synios P2720 1/2 mm

FWHM / FWTM 29.0° / 51.0° Efficiency 93 % Peak intensity 3.4 cd/lm LEDs/each optic 1 White Light colour

Required components:

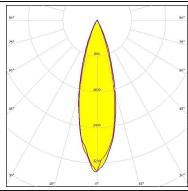


OSRAM Opto Semiconductor

LED Synios P2720 1/4 mm

FWHM / FWTM 28.0° / 50.0° Efficiency 91 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour White

Required components:

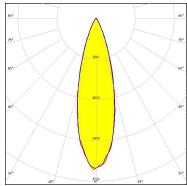


SAMSUNG

LH181B

FWHM / FWTM 29.0° / 53.5° 90 % Efficiency Peak intensity 3 cd/lm LEDs/each optic White Light colour

Required components:





PRODUCT DATASHEET CA12377_TINA2-M

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for LED Lighting Lenses Assemblies category:

Click to view products by Ledil manufacturer:

Other Similar products are found below:

FCN12592_LE1-D-COP CA16129_OLGA-W CA16370_HB-SQ-W FN15972_RONDA-ZT45-C CS15759_HB-2X2MX-8-W CA16435_LXP2-SS-WAS CN16210_GABRIELLA-MIDI-W CP17137_CARMEN-M2-C CA16015_STRADA-SQ-SCL CP17594_TINA-SC-RS CS15767_HB-2X2MX-8-M CP10960_RGBX-SS CP12395_LXP3-W CP12939_LARISA-RS-CLIP16 C14636_XTM-PF-ADAPTER CA11819_STRADA-SQ-T-DW CA14508_G2-LXP2-D CA14601_VERONICA-SQ-MINI-RS FCP13895_SEANNA-A CP12943_LARISA-O-CLIP16 FP11124_LISA2-O-PIN CS14597_HB-IP-2X6-O CP14995_FLORENTINA-HLD-O CS15158_STRADA-IP-2X6-T4-B CS16323_STRADELLA-IP-28-HB-M FN14976_STELLA-DWC2 FN15264_STELLA-HB-WWW CA15584_ZORYA-MINI-TAPE FA15229_ROSE-MRK-S FA15232_ROSE-MRK-M FA15233_ROSE-MRK-W FCN13552_CRYSTAL-RS FN15552_RONDA-W FS15626_FLORENCE-3R-IP-Z90 FS15786_FLORENCE-3R-IP-Z60 FS15847_FLORENCE-3R-IP-O CA14505_G2-LXP2-RS2-P FCN12775_IRIS-O CP15304_LARISA-RS-PIN FN15679_RONDA-S CA15519_VERONICA-SQ-MINI-D FP14414_LISA2-O-PIN LL01CR-DF60L06-M2 FN15993_RONDA-O FN15977_RONDA-WAS2 CA14366_FLARE-MAXI-TAPE CA14442_VERONICA-SQ-W CA14509_G2-LXP2-M-P CA15231_VERONICA-SQ-MINI-W FP11002_LISA2-W-PIN