

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

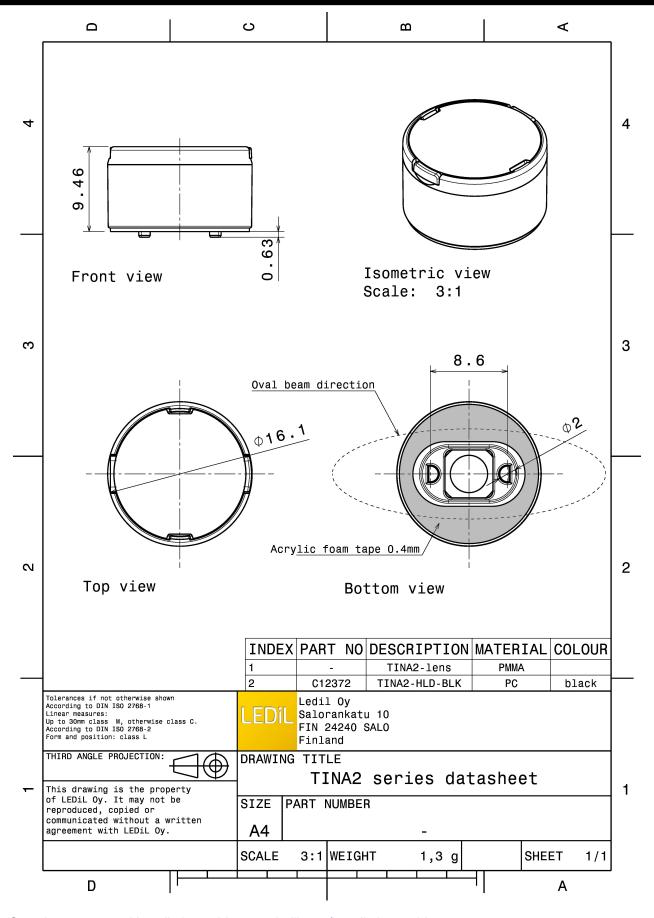
ORDERING INFORMATION:

» 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: 14/04/2022 Subject to change without prior notice Published: 16/11/2018



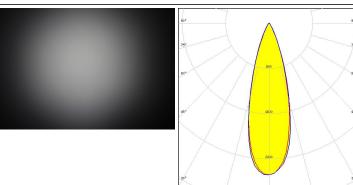


See also our general installation guide: www.ledil.com/installation_guide



CREE . LED

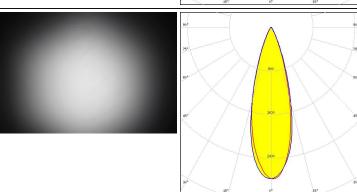
LED XB-H $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 31.0° / 54.0° Efficiency 85 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White



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:



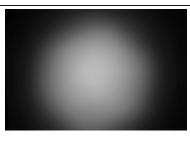
CREE - LED

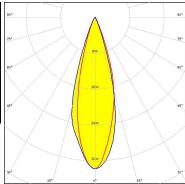
XQ-E HD LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 51.0° Efficiency 84 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour White Required components:



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:



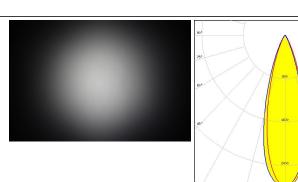




LUMILEDS LED LUXEON TX $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 53.0° 86 %

Efficiency Peak intensity 2.8 cd/lm

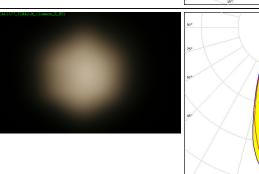
LEDs/each optic Light colour White Required components:

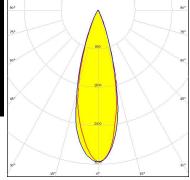


LUMILEDS

LED LUXEON Z ES FWHM / FWTM 31.0° / 50.0° Efficiency 88 % Peak intensity 3.2 cd/lm LEDs/each optic 1

White Light colour Required components:





WNICHIA

LED NVSxx19B/NVSxx19C

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 55.0° Efficiency 85 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White

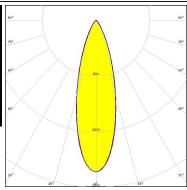


Required components:

Required components:

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

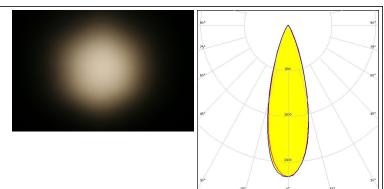






OSRAM

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 Semiconductor

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

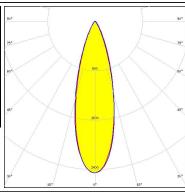
Efficiency % LEDs/each optic Light colour IR Required components:



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:





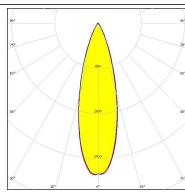




LED XB-D FWHM / FWTM 30.0° / 55.0° Efficiency 86 % Peak intensity 2.7 cd/lm

LEDs/each optic Light colour White

Required components:

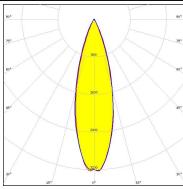


CREE - LED

LED XQ-E HI FWHM / FWTM 29.0° / 51.0° Efficiency 90 % Peak intensity 3.2 cd/lm LEDs/each optic 1

Required components:

Light colour



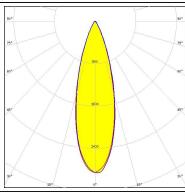
LUMILEDS

LED LUXEON 2835 Line

White

FWHM / FWTM 30.0° / 55.0° Efficiency 96 % Peak intensity 2.9 cd/lm

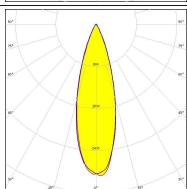
LEDs/each optic 1 Light colour White Required components:



MUMILEDS

LED LUXEON C FWHM / FWTM 30.0° / 52.0° Efficiency 93 % Peak intensity 2.9 cd/lm

LEDs/each optic White Light colour Required components:





UMILEDS

LED LUXEON IR Compact

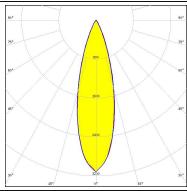
FWHM / FWTM 29.0° / 51.0°
Efficiency 83 %
LEDs/each optic 1
Light colour IR

Required components:

MUMILEDS

LED LUXEON Rubix
FWHM / FWTM 28.0° / 53.0°
Efficiency 91 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



MUMILEDS

LED LUXEON Rubix
FWHM / FWTM 30.0° / 53.0°

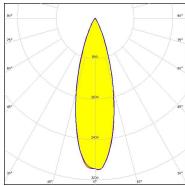
Efficiency 91 %

Peak intensity 3 cd/lm

LEDs/each optic 1

Light colour Blue

Required components:



MILEDS

LED LUXEON Rubix
FWHM / FWTM 29.0° / 52.0°

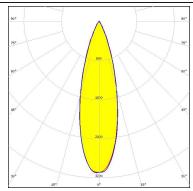
Efficiency 91 %

Peak intensity 3.1 cd/lm

LEDs/each optic 1

Light colour Red

Required components:

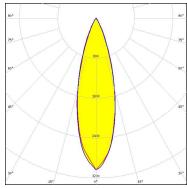






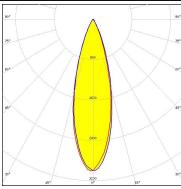
LED LUXEON SunPlus 20 Line (150 deg)

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



WNICHIA

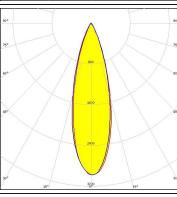
LED NFSx757G FWHM / FWTM 29.0° / 53.0° Efficiency 90 % Peak intensity 3 cd/lm LEDs/each optic 1 White Light colour Required components:



OSRAM Opto Semiconductor

LED Duris S5 (2 chip) FWHM / FWTM 29.0° / 54.0° Efficiency 92 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:



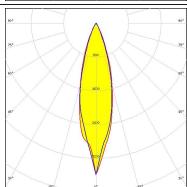


OSRAM

LED OSCONIQ P 3030

FWHM / FWTM 26.0° / 50.0 + 52.0°

Efficiency 90 % Peak intensity 3.6 cd/lm LEDs/each optic 1 Blue Light colour Required components:





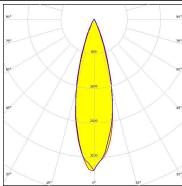
OSRAM

LED OSLON Black Flat FWHM / FWTM 28.0° / 49.0°

Efficiency 91 % Peak intensity 3.5 cd/lm

LEDs/each optic Light colour White

Required components:

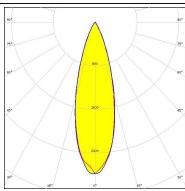


OSRAM

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 30.0° / 56.0° Efficiency 90 % Peak intensity 2.8 cd/lm LEDs/each optic 1 White Light colour

Required components:

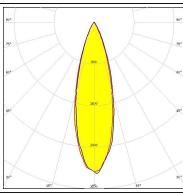


OSRAM Opto Semiconductors

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:

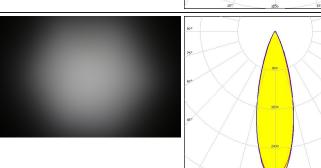


OSRAM

LED OSLON Square Flat

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

Required components:



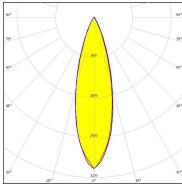


OSRAM

LED OSLON SSL 80 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 53.0° Efficiency 89 % Peak intensity 3 cd/lm LEDs/each optic

White

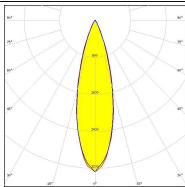
Required components:



OSRAM Opto Semiconductors

Light colour

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



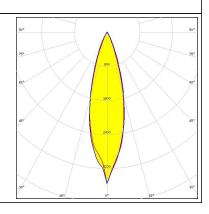
OSRAM Opto Semiconductor

LED SFH 4770S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 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° 91 % Efficiency Peak intensity 3.6 cd/lm LEDs/each optic White Light colour

Required components:



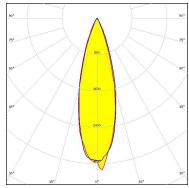


OSRAM

LED Synios P2720 1/2 mm

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

Required components:



OSRAM

Opto Semiconductor

LED Synios P2720 1/4 mm

FWHM / FWTM 28.0° / 50.0°

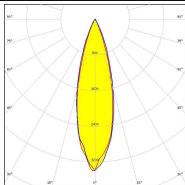
Efficiency 91 %

Peak intensity 3.1 cd/lm

LEDs/each optic 1

Light colour White

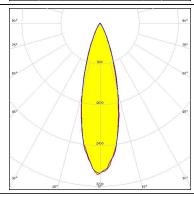
Required components:



SAMSUNG

LED LH181B
FWHM / FWTM 29.0° / 53.5°
Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White

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.

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