

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

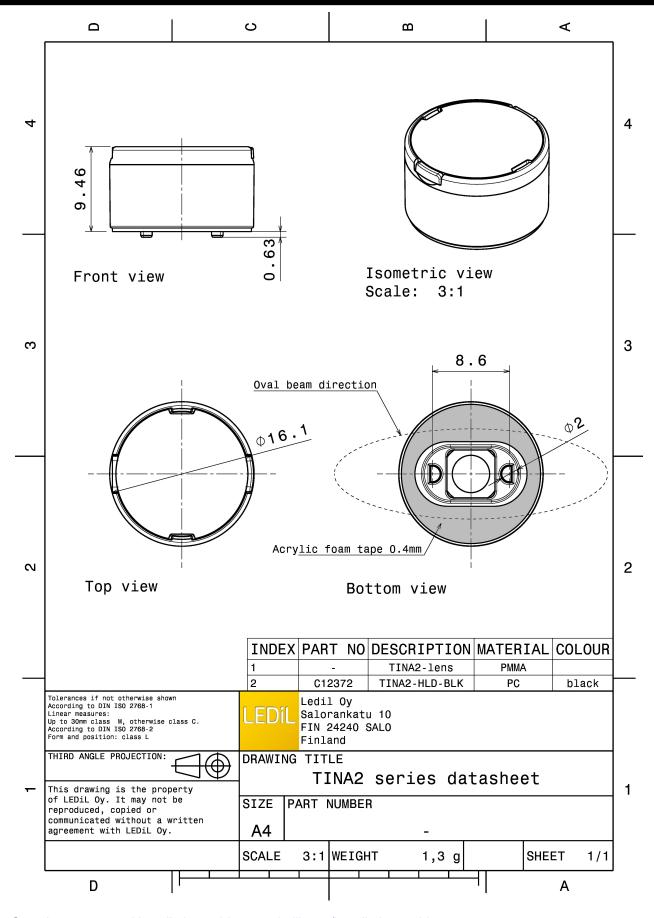
ORDERING INFORMATION:

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



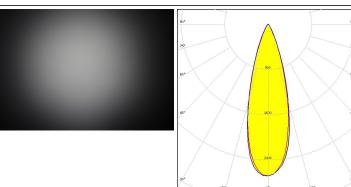


See also our general installation guide: www.ledil.com/installation_guide



CREE . LED

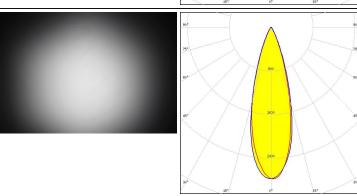
LED XB-H $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 31.0° / 54.0° Efficiency 85 % Peak intensity 2.7 cd/lm LEDs/each optic Light colour White



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:



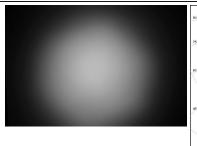
CREE - LED

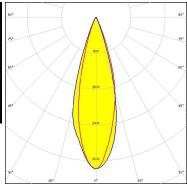
XQ-E HD LED $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 51.0° Efficiency 84 % Peak intensity 3.2 cd/lm LEDs/each optic Light colour White Required components:



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:

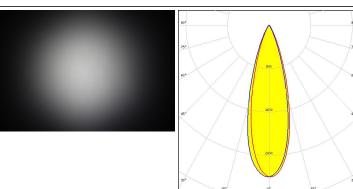






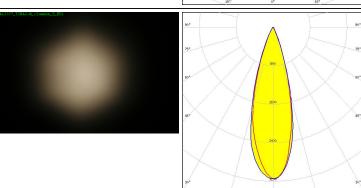
LUMILEDS LED LUXEON TX FWHM / FWTM 30.0° / 53.0° Efficiency 86 % Peak intensity 2.8 cd/lm

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:



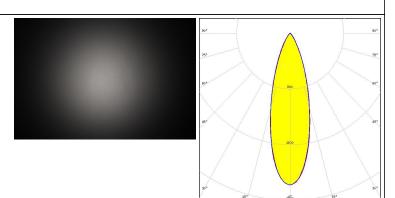
WNICHIA

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:

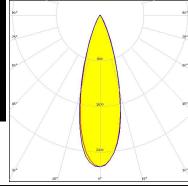




OSRAM

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:

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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:

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LED SFH 4725S FWHM / FWTM 27.0° / 54.0°

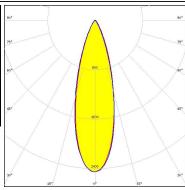
Efficiency % LEDs/each optic Light colour IR Required components:



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:

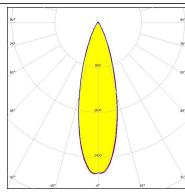






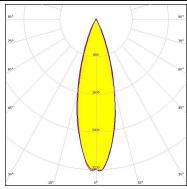
CREE 1 LED

LED XB-D White
FWHM / FWTM 30.0° / 55.0°
Efficiency 86 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
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
Light colour White
Required components:



LUMILEDS

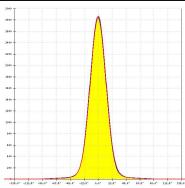
LED LUXEON 2835 Line
FWHM / FWTM 30.0° / 55.0°

Efficiency 96 %

Peak intensity 2.9 cd/lm

LEDs/each optic 1

Light colour White Required components:



DESCRIPTION LUMILEDS

LED LUXEON C
FWHM / FWTM 30.0° / 52.0°
Efficiency 93 %
Peak intensity 2.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:

99° - 200 -





LUXEON IR Compact LED

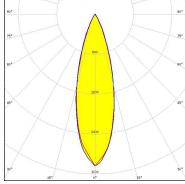
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 51.0° Efficiency 83 % LEDs/each optic 1 Light colour IR Required components:

MUMILEDS

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

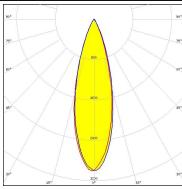
Required components:



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:

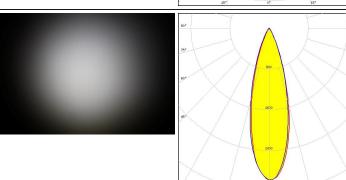


OSRAM

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:

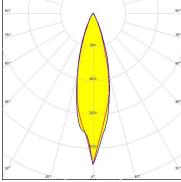




OSRAM

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

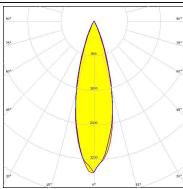
Efficiency 90 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour Blue



OSRAM

Required components:

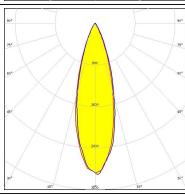
LED OSLON Black Flat FWHM / FWTM 28.0° / 49.0° Efficiency 91 % Peak intensity 3.5 cd/lm LEDs/each optic 1 White Light colour Required components:



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OSLON Square CSSRM2/CSSRM3 LED

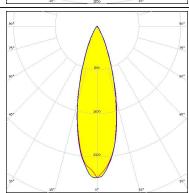
FWHM / FWTM 29.0° / 54.0° Efficiency 90 % Peak intensity 2.9 cd/lm LEDs/each optic 1 Light colour White Required components:



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:

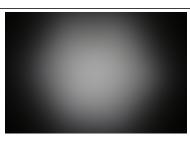


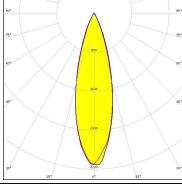


OSRAM

LED OSLON Square Flat

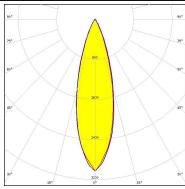
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 52.0° Efficiency 89 % Peak intensity 3.1 cd/lm LEDs/each optic Light colour White Required components:





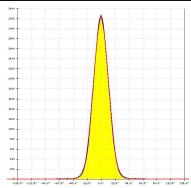
OSRAM

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



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



OSRAM

SFH 4770S LED FWHM / FWTM 27.0° / 51.0° Efficiency 85 % LEDs/each optic 1

IR Light colour Required components:

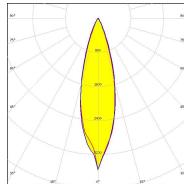


OSRAM

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:

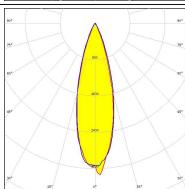


OSRAM

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:

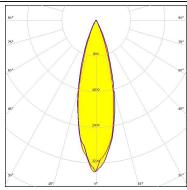


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LED Synios P2720 1/4 mm

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

Required components:

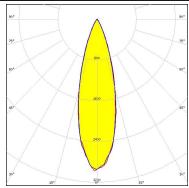


SAMSUNG

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:

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