

TINA2-M

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

SPECIFICATION:

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



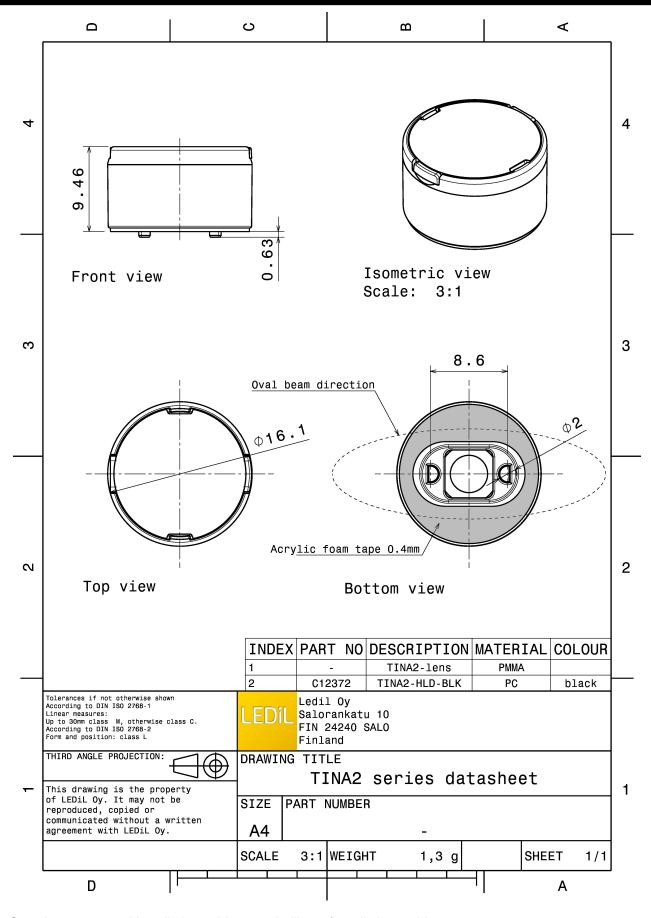
MATERIALS:

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:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12377_TINA2-M	Single lens	4140	230	230	8.3
» Box size: 451 x 241 x 298 mm					



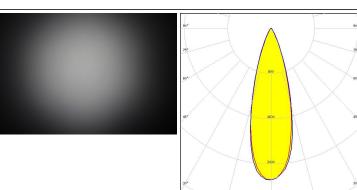


See also our general installation guide: www.ledil.com/installation_guide



CREE . LED

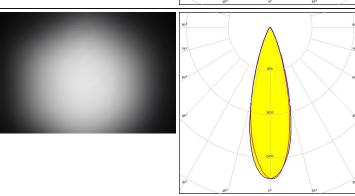
LED XB-H
FWHM / FWTM 31.0° / 54.0°
Efficiency 85 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White



CREE - LED

Required components:

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



CREE - LED

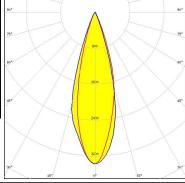
LED XQ-E HD
FWHM / FWTM 29.0° / 51.0°
Efficiency 84 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



MUMILEDS

LED LUXEON CZ
FWHM / FWTM 28.0° / 47.0°
Efficiency 89 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

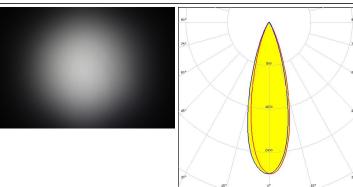






LED LUXEON TX

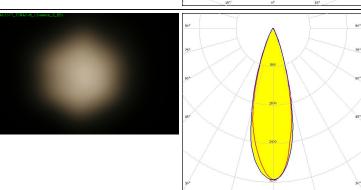
FWHM / FWTM 30.0° / 53.0°
Efficiency 86 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White



MILEDS

Required components:

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:



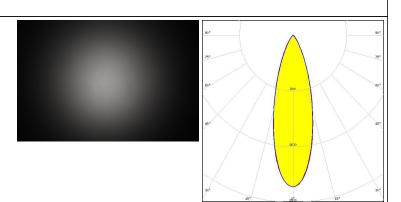
WNICHIA

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:



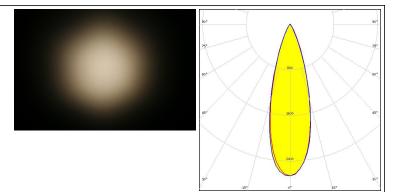
LED NWSx229A
FWHM / FWTM 26.0° / 52.0°
Efficiency 86 %
Peak intensity 2.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:





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

OSLON Square PC LED 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 SFH 4170S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 28.0° / 50.0°

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

OSRAM

SFH 4180S LED FWHM / FWTM 29.0° / 49.0°

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



OSRAM

LED SFH 4715S

FWHM / FWTM 28.0° / 56.0°

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

OSRAM Opto Semiconductors

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

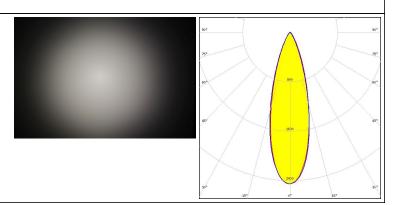
Efficiency % LEDs/each optic 1 IR Light colour Required components:



SEOUL SEMICONDUCTOR

LED Z5M3 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 30.0° / 57.0° Efficiency 83 % Peak intensity 2.5 cd/lm LEDs/each optic Light colour White

Required components:





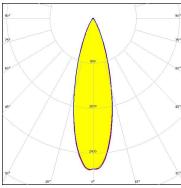
White



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

Required components:

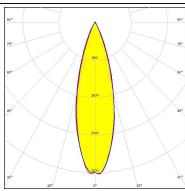
Light colour



CREE - LED

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:

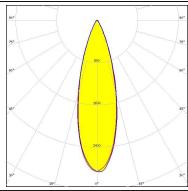


LUMILEDS

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

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:



LUMILEDS

LUXEON IR Compact LED

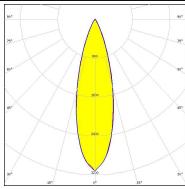
 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 51.0° Efficiency 83 % LEDs/each optic Light colour IR

MUMILEDS

Required components:

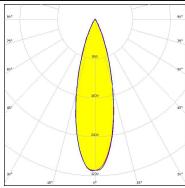
LED LUXEON Rubix FWHM / FWTM 28.0° / 53.0° Efficiency 91 % Peak intensity 3.1 cd/lm LEDs/each optic 1 White Light colour

Required components:



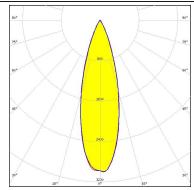
LUMILEDS

LED LUXEON Rubix $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 29.0° / 52.0° Efficiency 91 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour Red Required components:

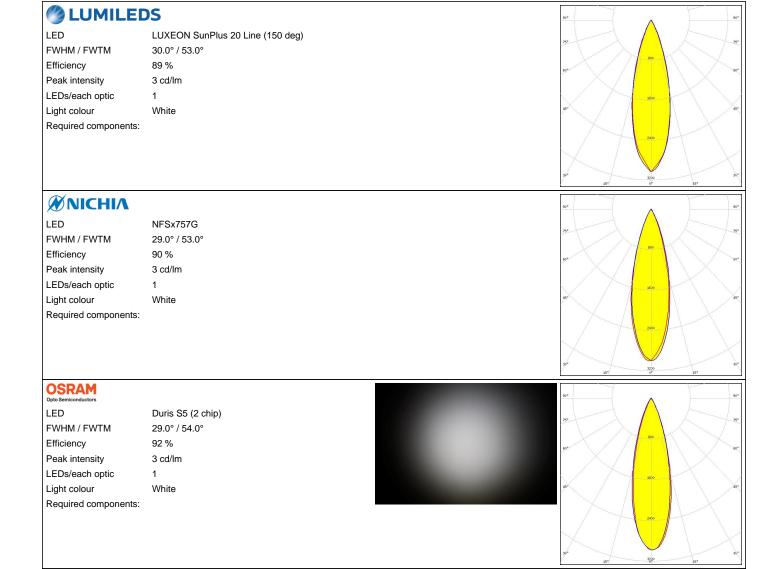


MUMILEDS

LED LUXEON Rubix FWHM / FWTM 30.0° / 53.0° 91 % Efficiency Peak intensity 3 cd/lm LEDs/each optic 1 Blue Light colour Required components:







OSRAM

FWHM / FWTM

Peak intensity

Light colour

LEDs/each optic

Required components:

Efficiency

OSCONIQ P 3030

26.0° / 50.0 + 52.0°

90 %

1 Blue

3.6 cd/lm

LED



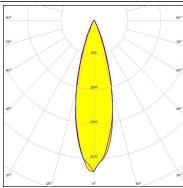
OSRAM

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:

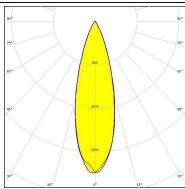


OSRAM

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:

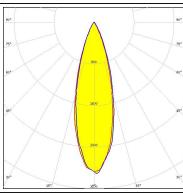


OSRAM Opto Semiconductor

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:



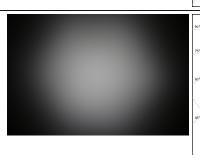
OSRAM

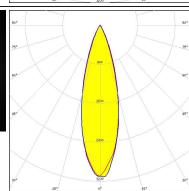
LED

OSLON Square Flat

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

Required components:







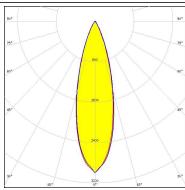
OSRAM

LED OSLON SSL 150 FWHM / FWTM 29.0° / 54.0°

White

Efficiency 90 %
Peak intensity 3 cd/lm
LEDs/each optic 1

Required components:



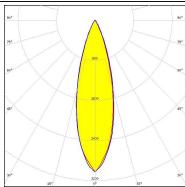
OSRAM

Light colour

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

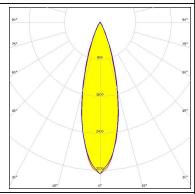
Required components:



OSRAM Opto Semiconductors

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:

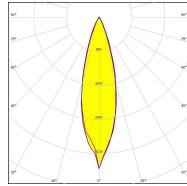


OSRAM

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:

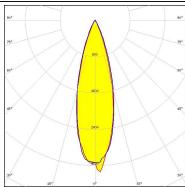


OSRAM

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:

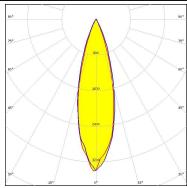


OSRAM Opto Semiconductor

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:

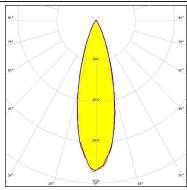


SAMSUNG

LH181B FWHM / FWTM 29.0° / 53.5°

90 % Efficiency Peak intensity 3 cd/lm LEDs/each optic White Light colour

Required components:



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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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