

TINA3-00

~60° + 40° oval beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions Ø 16.1 mm
Height 6.9 mm
Fastening tape, pin
ROHS compliant yes ①



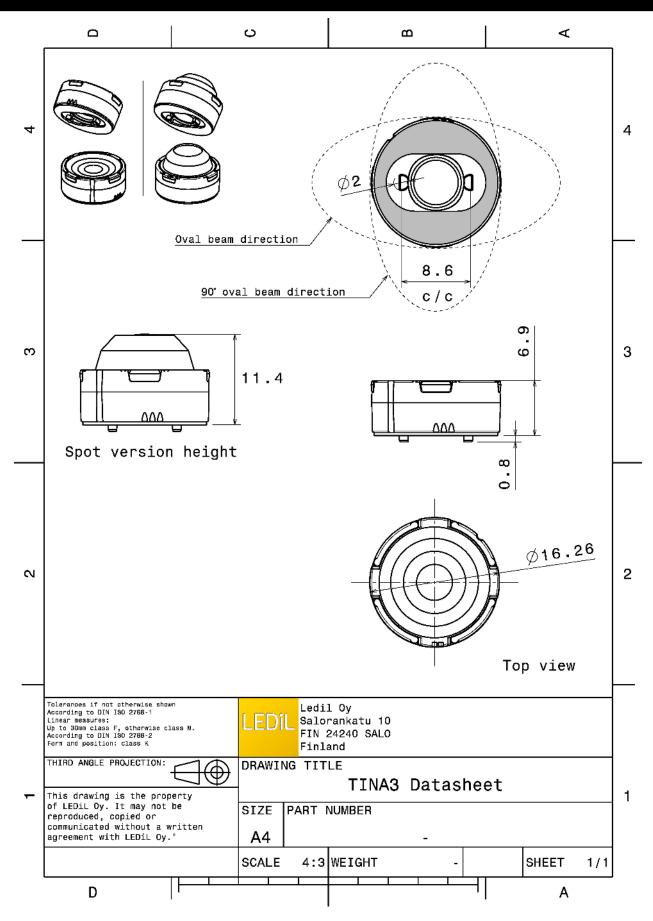
MATERIALS:

Component	Туре	Material	Colour	Finish
TINA3-OO	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11870_TINA3-OO	Single lens	2016	288	288	3.1
» Box size: 470 x 240 x 105 mm					





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



OPTICAL RESULTS (MEASURED):

CREE . LED

LED XB-D

FWHM / FWTM 54.0 + 42.0° / 82.0 + 72.0°

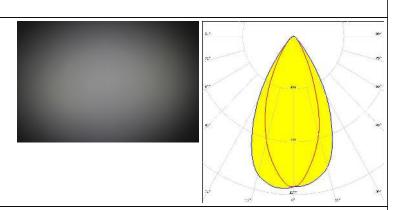
Efficiency 91 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE - LED

LED XB-H

FWHM / FWTM 59.0 + 43.0° / 88.0 + 77.0°

Efficiency 88 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE - LED

LED XP-E

FWHM / FWTM 52.0 + 35.0° / 76.0 + 54.0°

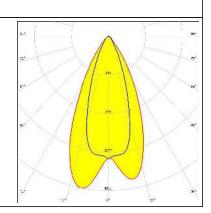
Efficiency 93 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE - LED

LED XP-G

FWHM / FWTM 51.0 + 39.0° / 81.0 + 65.0°

Efficiency 93 %
Peak intensity 1.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:





OPTICAL RESULTS (MEASURED):

MUMILEDS

LED LUXEON A

FWHM / FWTM 46.0 + 60.0° / 72.0 + 82.0°

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

DUMILEDS

LED LUXEON Rebel

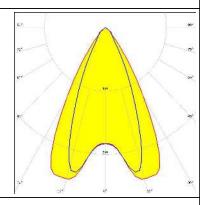
FWHM / FWTM $58.0 + 38.0^{\circ} / 76.0 + 72.0^{\circ}$

Efficiency 83 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

UMILEDS

LED LUXEON Rebel ES FWHM / FWTM 60.0 + 46.0° / 82.0 + 72.0°

Efficiency 92 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



WNICHIA

LED NVSxx19A

FWHM / FWTM 62.0 + 48.0° / 88.0 + 84.0°

Efficiency 93 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):

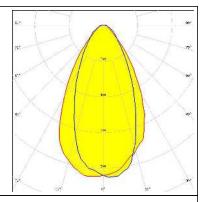
OSRAM Opto Semiconductors

LED OSLON Square EC

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $62.0 + 50.0^{\circ} / 108.0 + 102.0^{\circ}$

Efficiency 87 % Peak intensity 0.8 cd/lm LEDs/each optic

Light colour White Required components:



OSRAM Opto Semiconductor

LED

OSLON SSL 150 FWHM / FWTM 53.0 + 36.0° / 76.0 + 64.0°

Efficiency 90 % Peak intensity 1.5 cd/lm LEDs/each optic 1

White Light colour Required components:

OSRAM Opto Semiconductors

LED OSLON SSL 80

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $36.0 + 52.0^{\circ} / 62.0 + 74.0^{\circ}$

Efficiency 88 % Peak intensity 1.4 cd/lm LEDs/each optic Light colour White

Required components:

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OPTICAL RESULTS (SIMULATED):

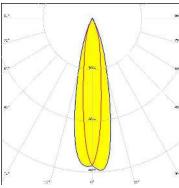


LED LUXEON 2835 Line

FWHM / FWTM $14.0 + 26.0^{\circ} / 42.0 + 49.0^{\circ}$

Efficiency 94 % Peak intensity 4.8 cd/lm LEDs/each optic Light colour White

Required components:



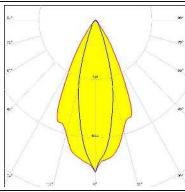
OSRAM

LED OSCONIQ P 3030

FWHM / FWTM 52.0 + 27.0° / 74.0 + 52.0°

Efficiency 94 % Peak intensity 2.1 cd/lm LEDs/each optic 1 White Light colour

Required components:



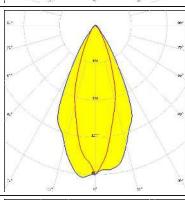
OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM $33.0 + 53.0^{\circ} / 64.0 + 78.0^{\circ}$

Efficiency 94 % Peak intensity 1.7 cd/lm LEDs/each optic 1 Light colour White

Required components:



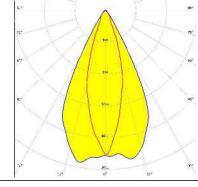
OSRAM Opto Semiconductors

LED SYNIOS S2222

FWHM / FWTM 29.0 + 54.0° / 52.0 + 72.0°

Efficiency 95 % Peak intensity 1.9 cd/lm LEDs/each optic White Light colour

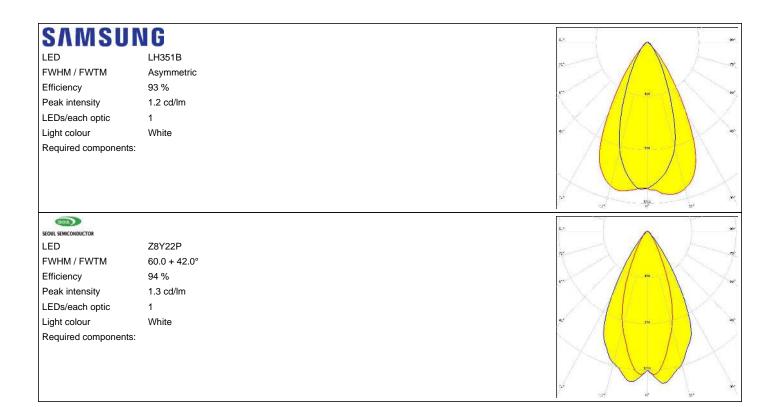
Required components:



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OPTICAL RESULTS (SIMULATED):





PRODUCT DATASHEET FA11870_TINA3-OO

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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