

TINA-O

~35° x 15° oval beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



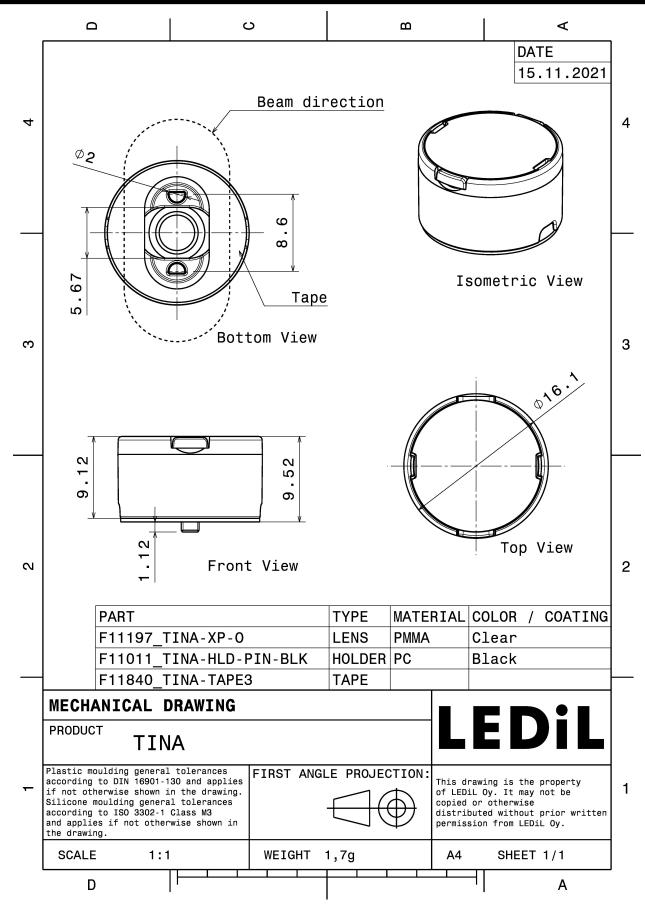
MATERIALS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11204_TINA-O	Single lens	2016	288	144	4.1
» Box size:					





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



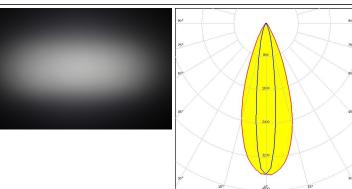
OPTICAL RESULTS (MEASURED):

CREE & LED

XB-H

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $38.0 + 16.0^{\circ} / 63.0 + 37.0^{\circ}$

Efficiency 83 % Peak intensity 3.6 cd/lm LEDs/each optic Light colour White Required components:

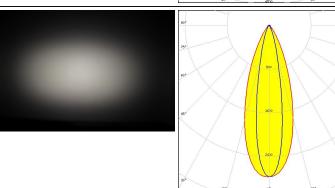


WNICHIA

LED NVSW3x9A

FWHM / FWTM 37.0 + 20.0° / 67.0 + 41.0°

Efficiency 82 % Peak intensity 2.8 cd/lm LEDs/each optic 1 White Light colour Required components:

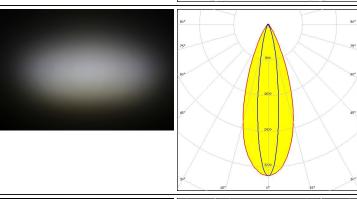


OSRAM Opto Semiconductor

LED Duris S5 (2 chip)

FWHM / FWTM $38.0 + 16.0^{\circ} / 64.0 + 37.0^{\circ}$

Efficiency 86 % Peak intensity 3.4 cd/lm LEDs/each optic Light colour White Required components:



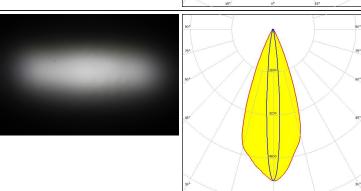
OSRAM

LED

OSLON Black Flat (LUW HWQP)

FWHM / FWTM 40.0 + 10.0° / 57.0 + 22.0°

Efficiency 86 % Peak intensity 5.6 cd/lm LEDs/each optic White Light colour Required components:





OPTICAL RESULTS (MEASURED):

OSRAM

LED OSLON SSL 150 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ $32.0 + 14.0^{\circ} / 58.0 + 30.0^{\circ}$

Efficiency 91 % Peak intensity 3.3 cd/lm LEDs/each optic Light colour White Required components:

OSRAM

LED OSLON SSL 80

FWHM / FWTM 34.0 + 12.0° / 56.0 + 32.0°

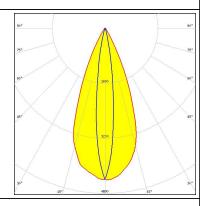
Efficiency 80 % Peak intensity 3.8 cd/lm LEDs/each optic 1 White Light colour Required components:

OSRAM Opto Semiconductor

LED SFH 4715S

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 40.0 + 16.0° / 31.0 + 60.0°

Efficiency 0 % LEDs/each optic Light colour White Required components:



OSRAM

SFH 4725S LED

FWHM / FWTM 39.0 + 15.0° / 62.0 + 32.0°

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



OPTICAL RESULTS (MEASURED):

SAMSUNG

LED LH351/

FWHM / FWTM $34.0 + 16.0^{\circ} / 62.0 + 39.0^{\circ}$

Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1

Light colour White Required components:

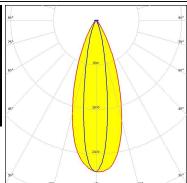
SEOUL SEMICONDUCTOR

LED Z8Y22P

FWHM / FWTM 37.0 + 18.0° / 66.0 + 41.0°

Efficiency 79 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:





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OPTICAL RESULTS (SIMULATED):

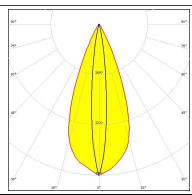


LED NCSxE17A

FWHM / FWTM $42.0 + 12.0^{\circ} / 60.0 + 24.0^{\circ}$

Efficiency 88 %
Peak intensity 4.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:

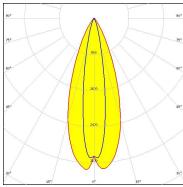


WNICHIA

LED NVSxx19B/NVSxx19C

FWHM / FWTM 38.0 + 17.0°
Efficiency 85 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White

Required components:



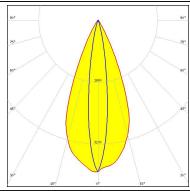
OSRAM Opto Semiconducto

LED SFH 4715AS

FWHM / FWTM 44.0 + 15.0° / 62.0 + 30.0°

Efficiency 89 % LEDs/each optic 1 Light colour White

Required components:

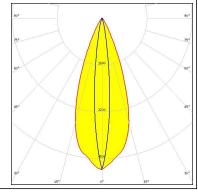


OSRAM

LED SYNIOS S2222

FWHM / FWTM $38.0 + 12.0^{\circ} / 61.0 + 26.0^{\circ}$

Efficiency 96 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:





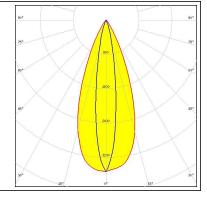
OPTICAL RESULTS (SIMULATED):

SAMSUNG

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 41.0 + 16.0° / 64.0 + 34.0°

Efficiency 88 % Peak intensity 3.5 cd/lm LEDs/each optic White Light colour

Required components:



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PRODUCT DATASHEET FA11204_TINA-O

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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