

TINA-O

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

SPECIFICATION:

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



MATERIALS:

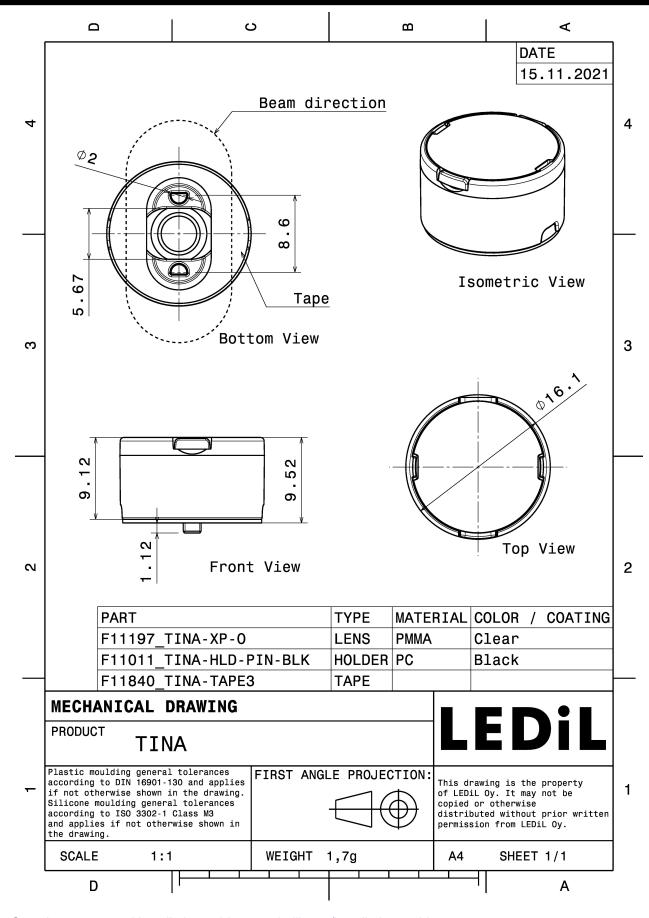
Component	Туре	Material	Colour	Finish	Length (mm)
TINA-XP-O	Single lens	PMMA	clear		
TINA-HLD-PIN-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acrylic foam	black		

ORDERING INFORMATION:

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

Published: 16/11/2018





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

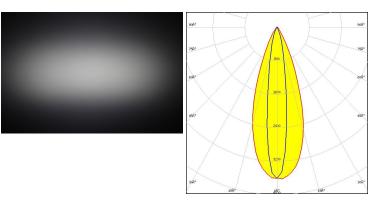


CREE \$

LED XB-H

FWHM / FWTM 38.0 + 16.0° / 63.0 + 37.0°

Efficiency 83 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



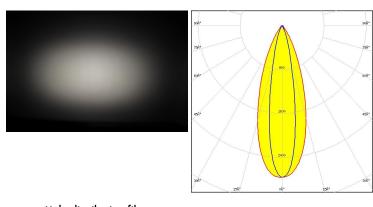
Light distribution files

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
Light colour/type White
Required components:



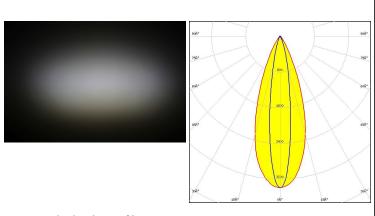
Light distribution files

OSRAM Onto Semiconductors

LED Duris S5 (2 chip)

FWHM / FWTM 38.0 + 16.0° / 64.0 + 37.0°

Efficiency 86 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



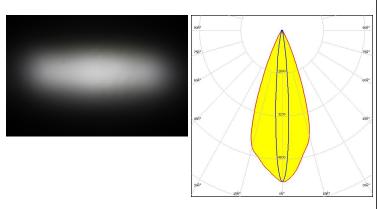
Light distribution files



OSRAM Opto Semiconductors

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 Light colour/type White Required components:



Light distribution files

OSRAM Opto Semiconductors

OSLON SSL 150 FWHM / FWTM 32.0 + 14.0° / 58.0 + 30.0°

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

Light distribution files

OSRAM Opto Semiconductors

LED OSLON SSL 80

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 34.0 + 12.0° / 56.0 + 32.0°

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

Light distribution files

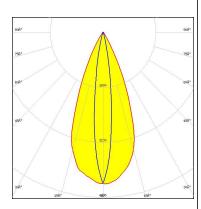


OSRAM Opto Semiconductors

LED SFH 4715S

FWHM / FWTM 40.0 + 16.0° / 31.0 + 60.0°

Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM Opto Semiconductors

Opto Semiconducto

LED SFH 4725S

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

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

Light distribution files

SAMSUNG

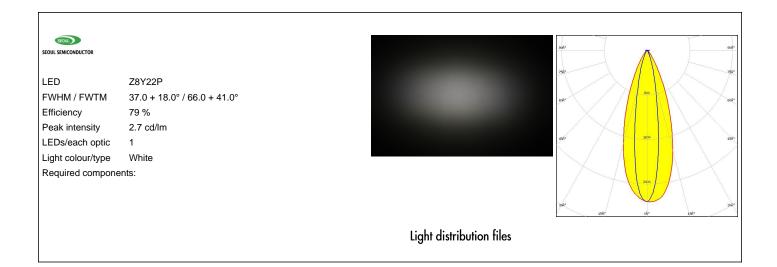
LED LH351A

FWHM / FWTM 34.0 + 16.0° / 62.0 + 39.0°

Efficiency 90 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files







OPTICAL RESULTS (SIMULATED):

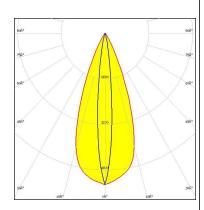


LED LUXEON Z ES

FWHM / FWTM 40.0 + 11.0° / 60.0 + 24.0°

Efficiency 91 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

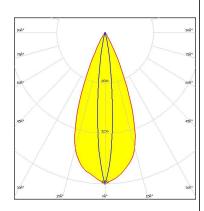


LED NCSxE17A

FWHM / FWTM 42.0 + 12.0° / 60.0 + 24.0°

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

Required components:

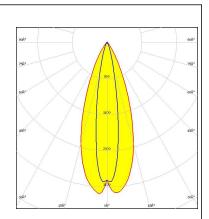


Light distribution files



LED NVSxx19B/NVSxx19C

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



Light distribution files



OPTICAL RESULTS (SIMULATED):

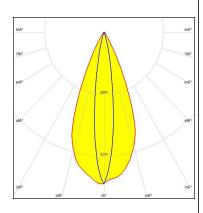
OSRAM Opto Semiconductore

LED SFH 4715AS

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

Efficiency 89 % LEDs/each optic 1 Light colour/type White

Required components:



Light distribution files

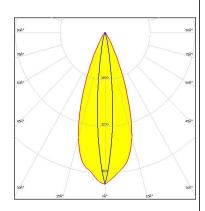
OSRAM Opto Semiconductore

LED SYNIOS S2222

FWHM / FWTM 38.0 + 12.0° / 61.0 + 26.0°

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

Required components:



Light distribution files

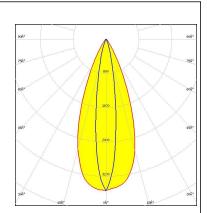
SAMSUNG

LED LM302D

FWHM / FWTM $41.0 + 16.0^{\circ}$ / $64.0 + 34.0^{\circ}$

Efficiency 88 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



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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LEDIL Oy

Joensuunkatu 7 FI-24240 SALO Finland

LEDIL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

Local sales and technical support

www.ledil.com/ where_to_buy

Shipping locations

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Published: 16/11/2018