

TINA-M

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



TECHNICAL SPECIFICATIONS:

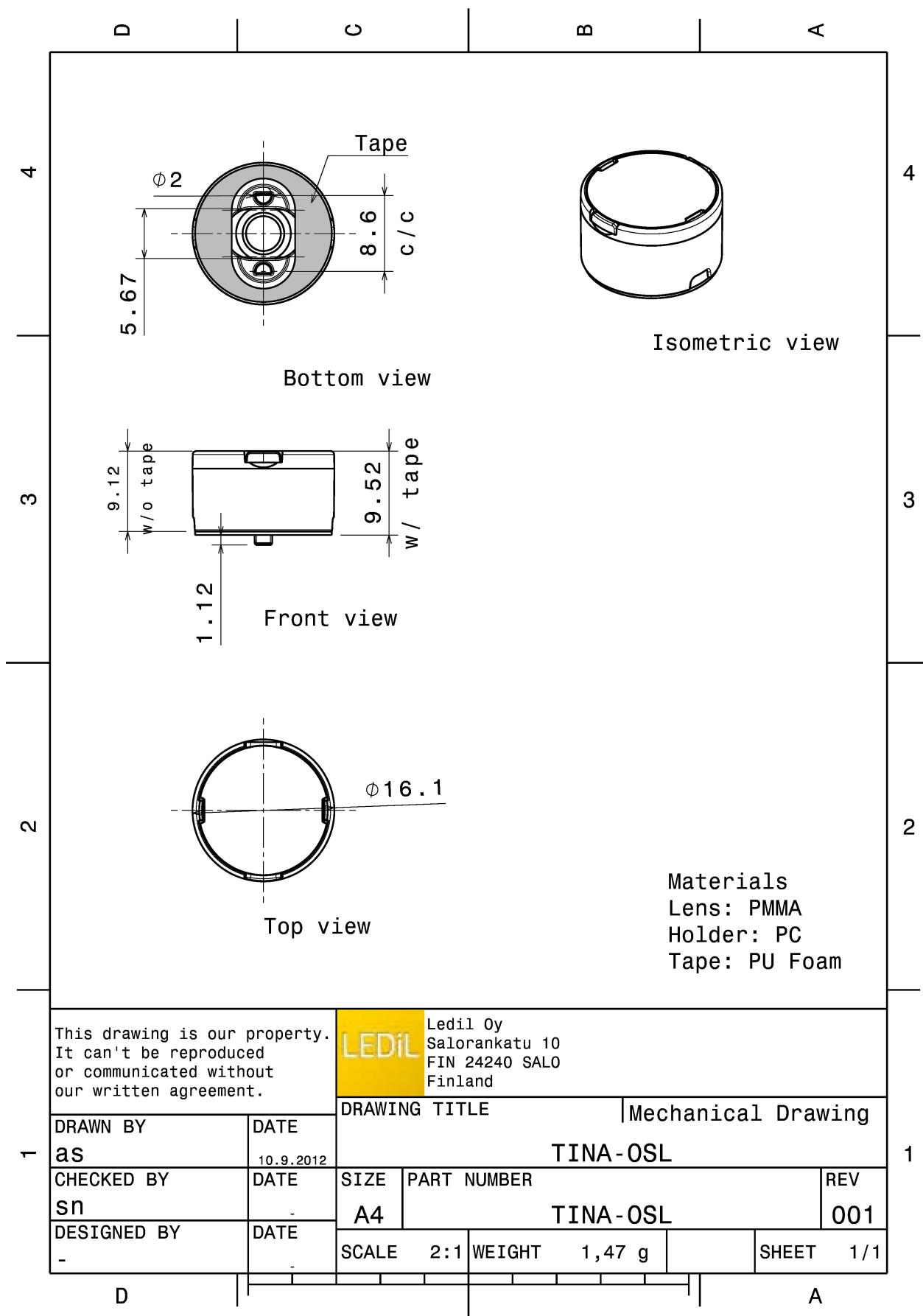
Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

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

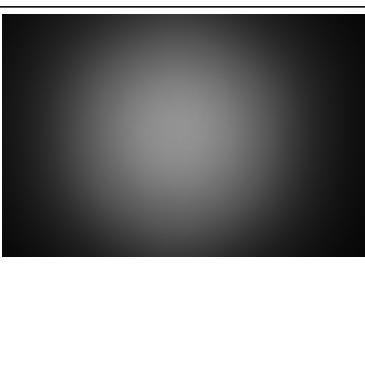
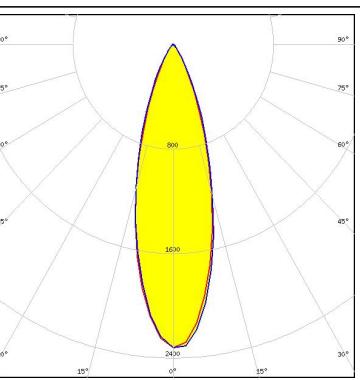
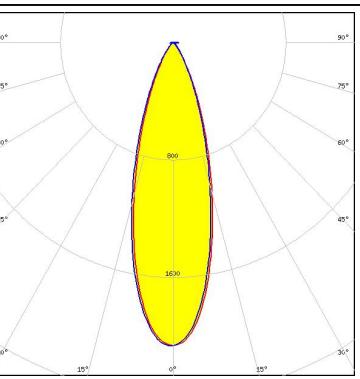
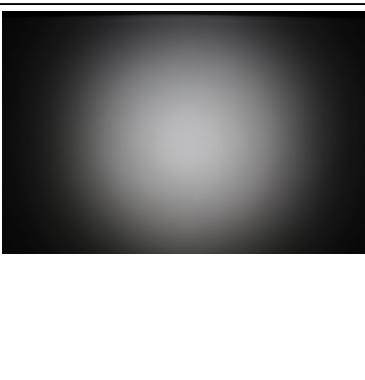
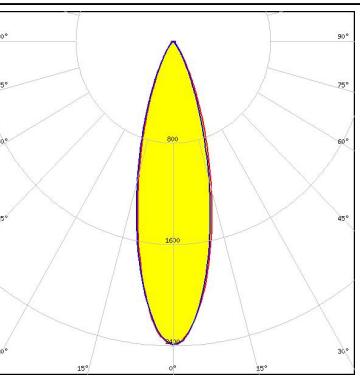
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11206_TINA-M	2016	288	144	4.1
» Box size:				



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

PHOTOMETRIC DATA (MEASURED):

CREE LED LED XB-H FWHM / FWTM 31.0° / 58.0° Efficiency 80 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:		
NICHIA LED NVSW3x9A FWHM / FWTM 31.0° / 60.0° Efficiency 78 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM Opto Semiconductors LED Duris S5 (2 chip) FWHM / FWTM 29.0° / 58.0° Efficiency 82 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:		
OSRAM Opto Semiconductors LED OSLON SSL 150 FWHM / FWTM 30.0° / 54.0° Efficiency 85 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON SSL 80

FWHM / FWTM 24.0° / 56.0°

Efficiency 83 %

Peak intensity 2.3 cd/lm

LEDs/each optic 1

Light colour White

Required components:

OSRAM

Opto Semiconductors

LED SFH 4715S

FWHM / FWTM 28.0° / 56.0°

Efficiency %

LEDs/each optic 1

Light colour White

Required components:

OSRAM

Opto Semiconductors

LED SFH 4725S

FWHM / FWTM 27.0° / 58.0°

Efficiency %

LEDs/each optic 1

Light colour White

Required components:

SAMSUNG

LED LH351A

FWHM / FWTM 32.0° / 60.0°

Efficiency 91 %

Peak intensity 1.5 cd/lm

LEDs/each optic 1

Light colour White

Required components:

PHOTOMETRIC DATA (MEASURED):

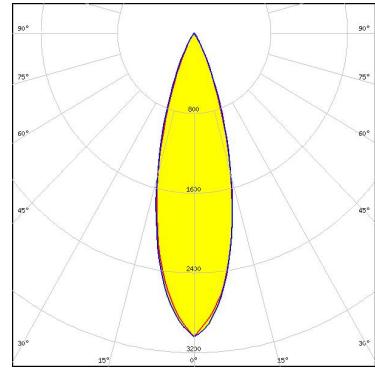


PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	30.0° / 53.0°
Efficiency	89 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White

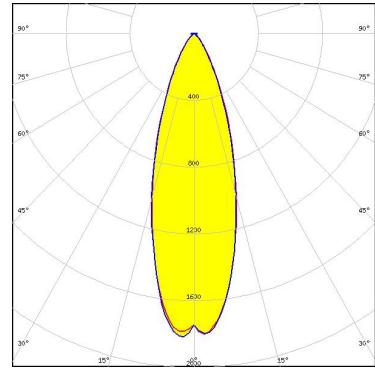
Required components:



NICHIA

LED	NCSxE17A
FWHM / FWTM	33.0° / 65.0°
Efficiency	79 %
Peak intensity	1.8 cd/lm
LEDs/each optic	4
Light colour	White

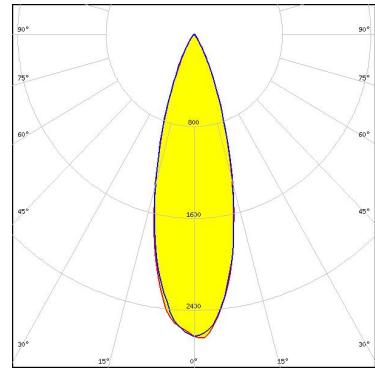
Required components:



NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	30.0°
Efficiency	86 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

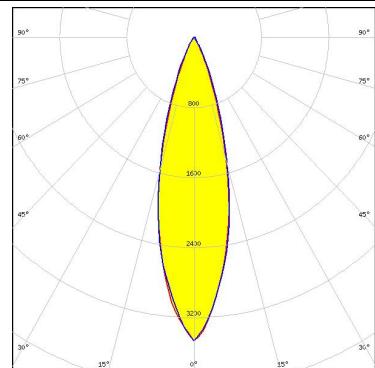
Required components:



OSRAM

LED	SYNIO S2222 (KW DDLM31)
FWHM / FWTM	28.0° / 50.0 + 52.0°
Efficiency	97 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



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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