

TINA-D

~16° diffused spot 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 ⓘ

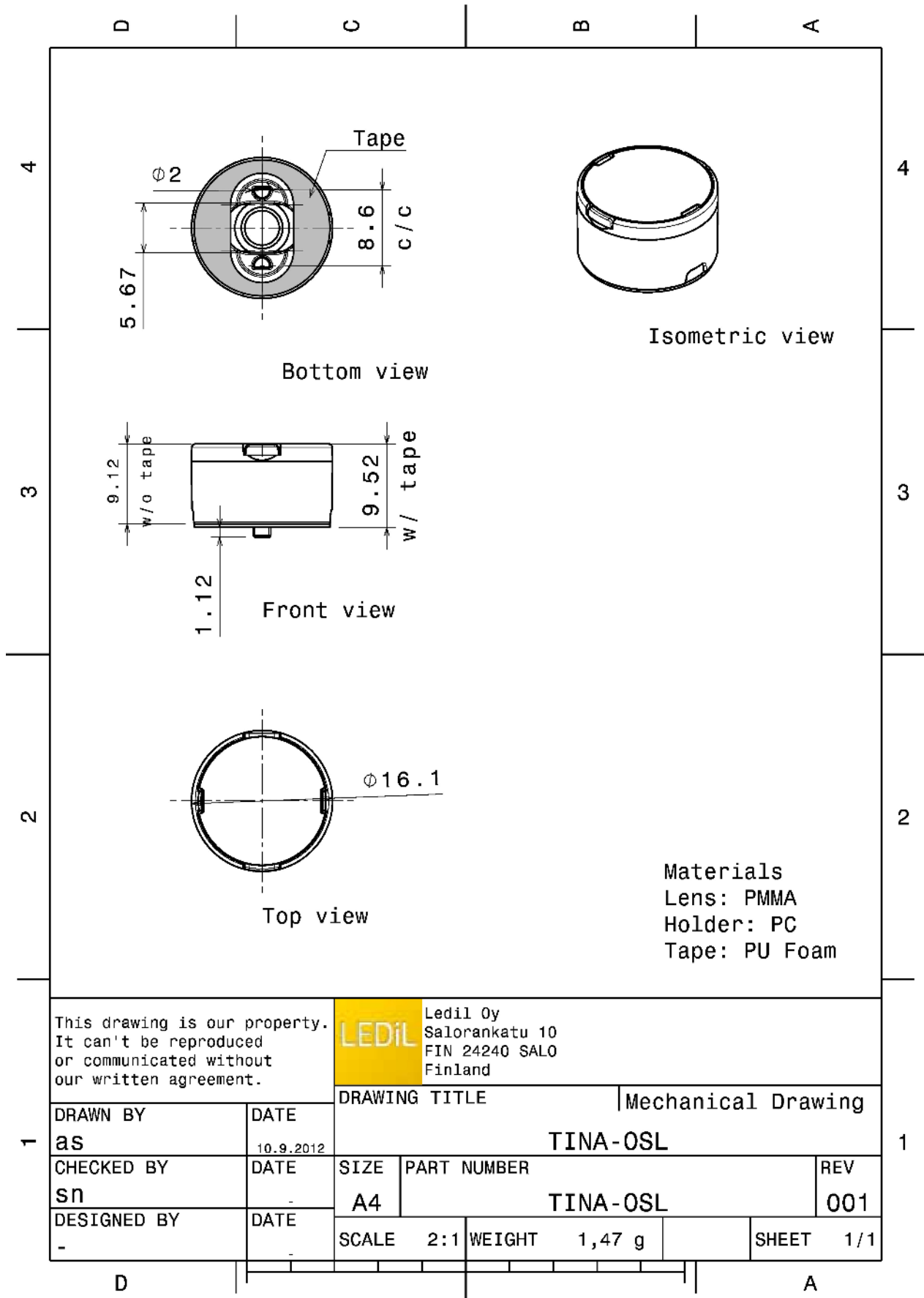


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-D	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)
FA11205_TINA-D	Single lens	2016	288	144	4.1
» Box size:					

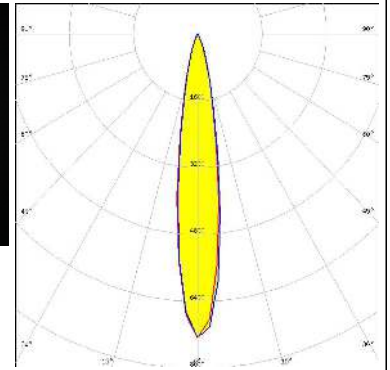
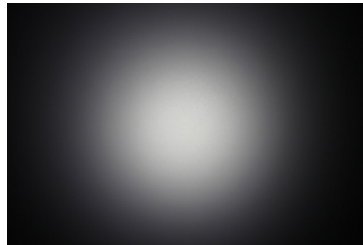


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

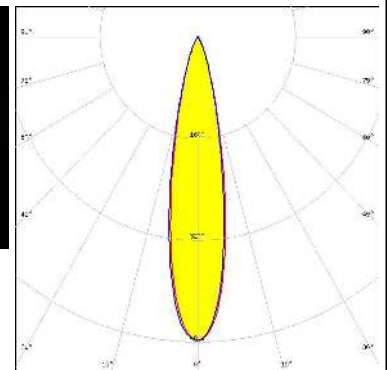
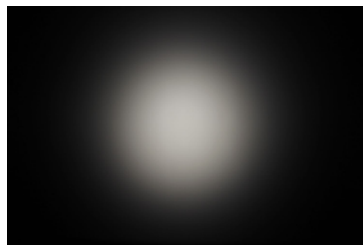
CREE LED

LED XB-H
 FWHM / FWTM 17.0° / 35.0°
 Efficiency 87 %
 Peak intensity 7.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

LED NVSW3x9A
 FWHM / FWTM 21.0° / 42.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors
 LED OSLON SSL 150
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 89 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM

Opto Semiconductors
 LED OSLON SSL 80
 FWHM / FWTM 12.0° / 28.0°
 Efficiency 89 %
 Peak intensity 10.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED SFH 4715S
FWHM / FWTM 18.0° / 32.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

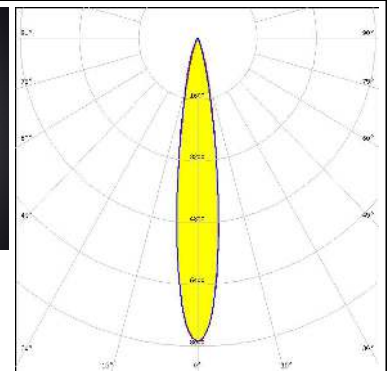
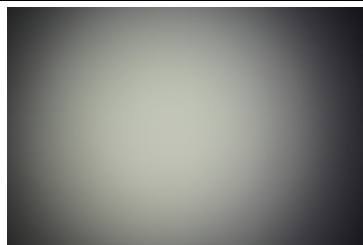
LED SFH 4725S
FWHM / FWTM 18.0° / 36.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

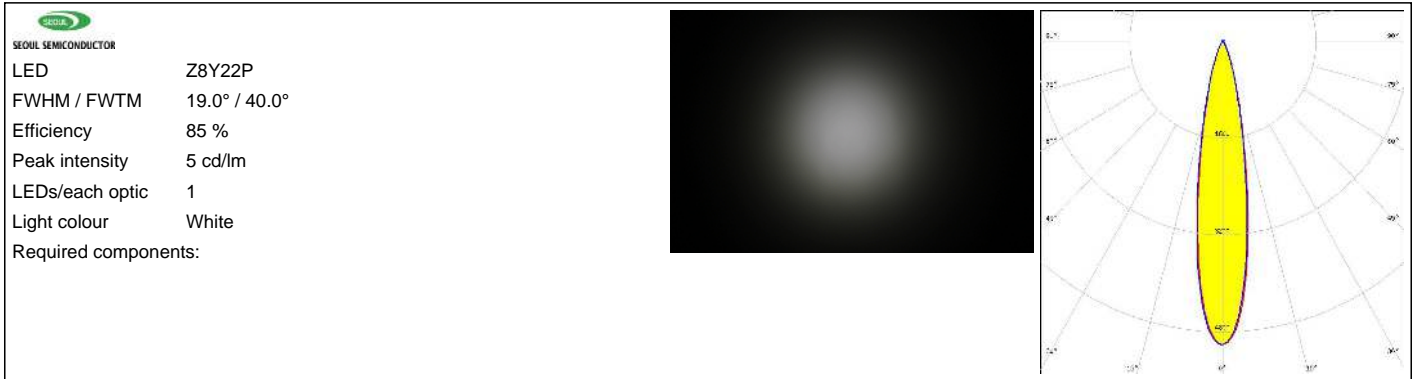
LED LH351A
FWHM / FWTM 18.0° / 37.0°
Efficiency 93 %
Peak intensity 4.1 cd/m
LEDs/each optic 1
Light colour White
Required components:

SECO SEOUL SEMICONDUCTOR

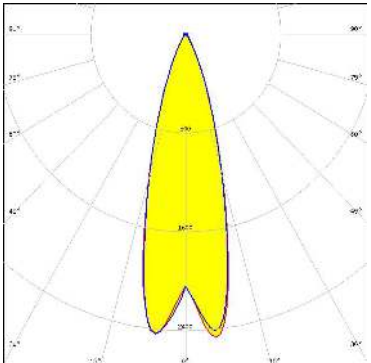
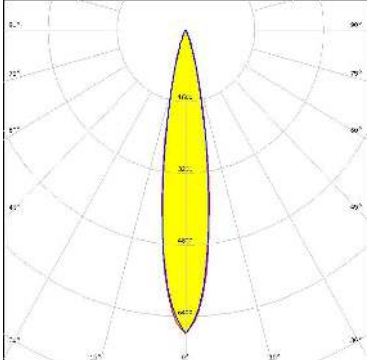
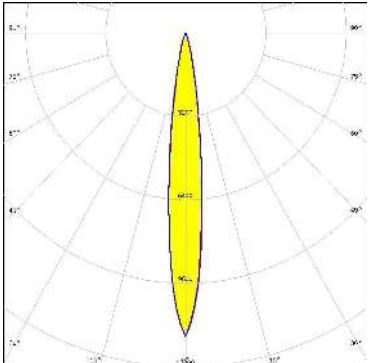
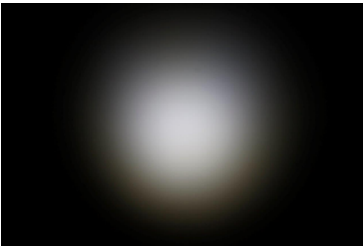
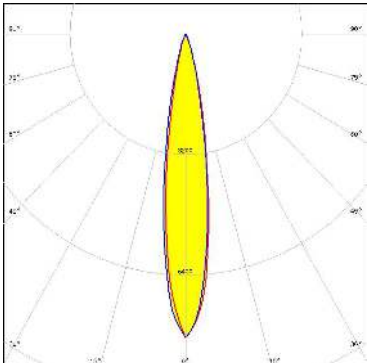
LED Z5M1/Z5M2
FWHM / FWTM 16.0° / 33.0°
Efficiency 90 %
Peak intensity 7.9 cd/m
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):



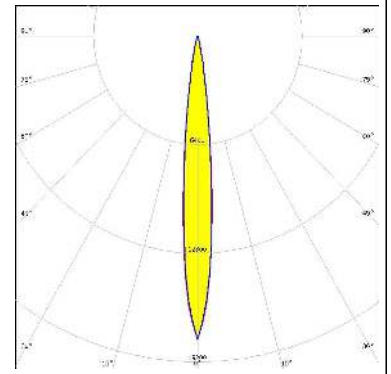
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 30.0° / 52.0° Efficiency 85 % Peak intensity 2.5 cd/lm LEDs/each optic 4 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 18.0° Efficiency 88 % Peak intensity 7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris E 2835 FWHM / FWTM 13.0° / 28.0° Efficiency 92 % Peak intensity 11.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (2 chip) FWHM / FWTM 17.0° / 33.0° Efficiency 92 % Peak intensity 8.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	 

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SYNIOS S2222
FWHM / FWTM	12.0 + 11.0° / 22.0°
Efficiency	97 %
Peak intensity	17.9 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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