

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 ⓘ

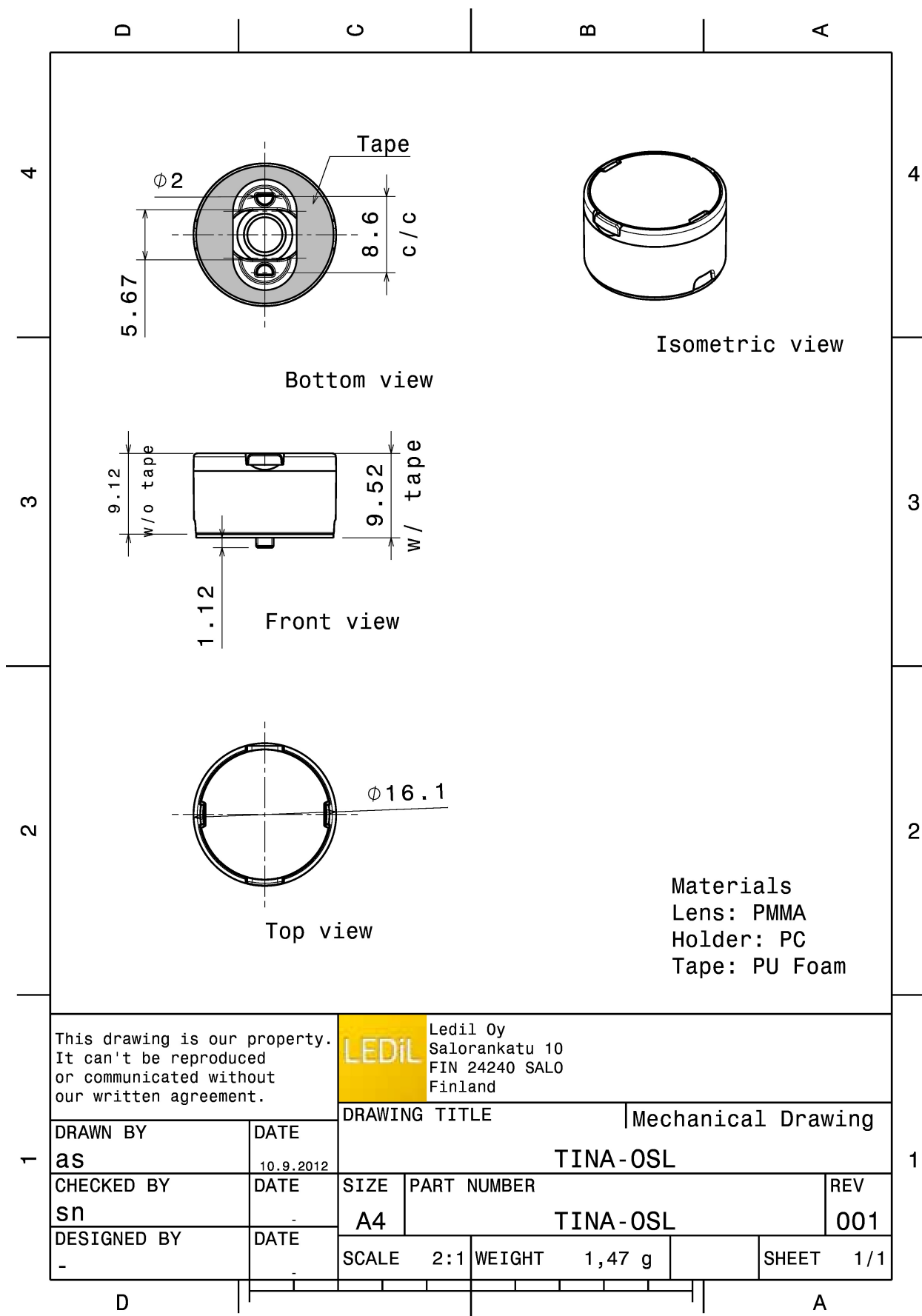


MATERIALS:

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:					

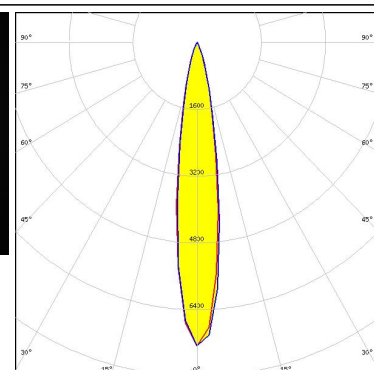
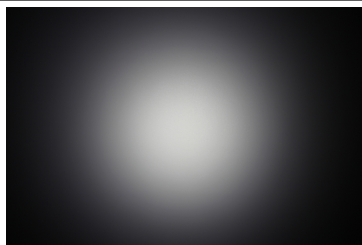


See also our general installation guide: www.ledil.com/installation_guide

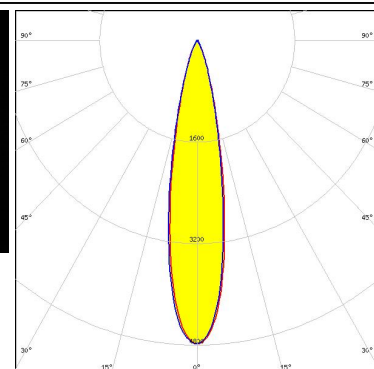
OPTICAL RESULTS (MEASURED):



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:



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:



LED OSLOM 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:



LED OSLOM 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:

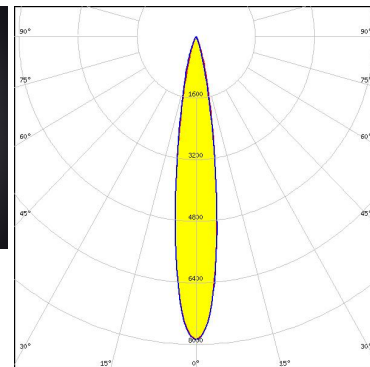
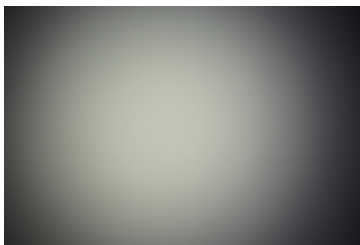
OPTICAL RESULTS (MEASURED):

SAMSUNG

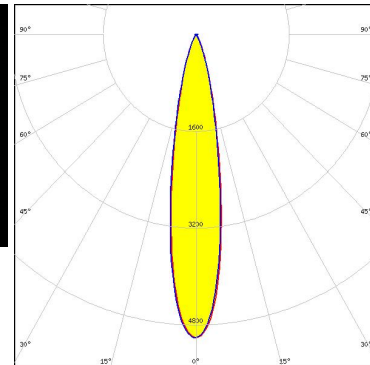
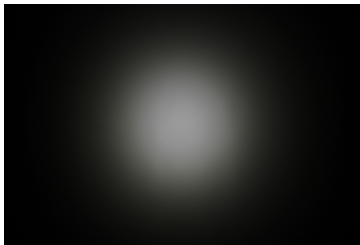
LED LH351A
FWHM / FWTM 18.0° / 37.0°
Efficiency 93 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



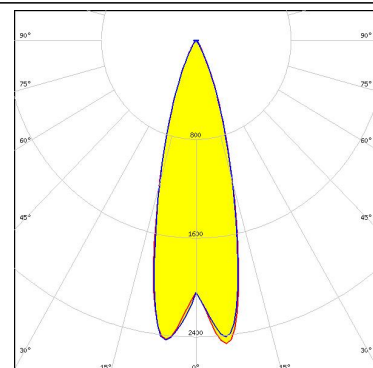
LED Z8Y22P
FWHM / FWTM 19.0° / 40.0°
Efficiency 85 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



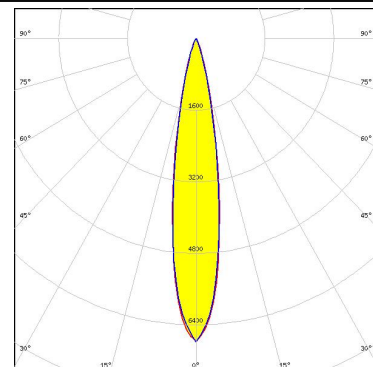
OPTICAL RESULTS (SIMULATED):



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:

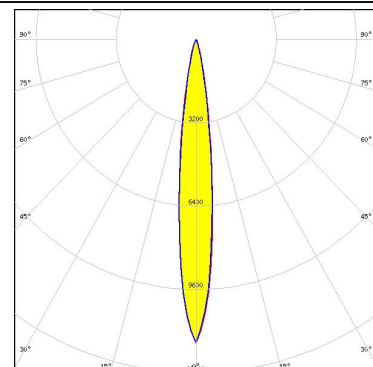


LED NVSxx19B/NVSxx19C
FWHM / FWTM 18.0°
Efficiency 88 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



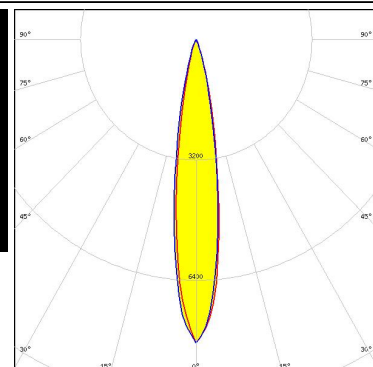
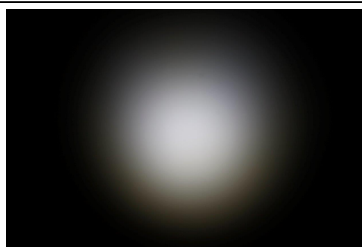
Opto Semiconductors

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:



Opto Semiconductors

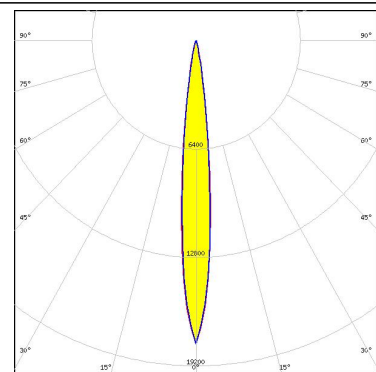
LED Duris S5 (2 chip)
FWHM / FWTM 17.0° / 33.0°
Efficiency 92 %
Peak intensity 8.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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