

TINA-D

~16° diffused spot beam optimized for CREE
XP-E

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

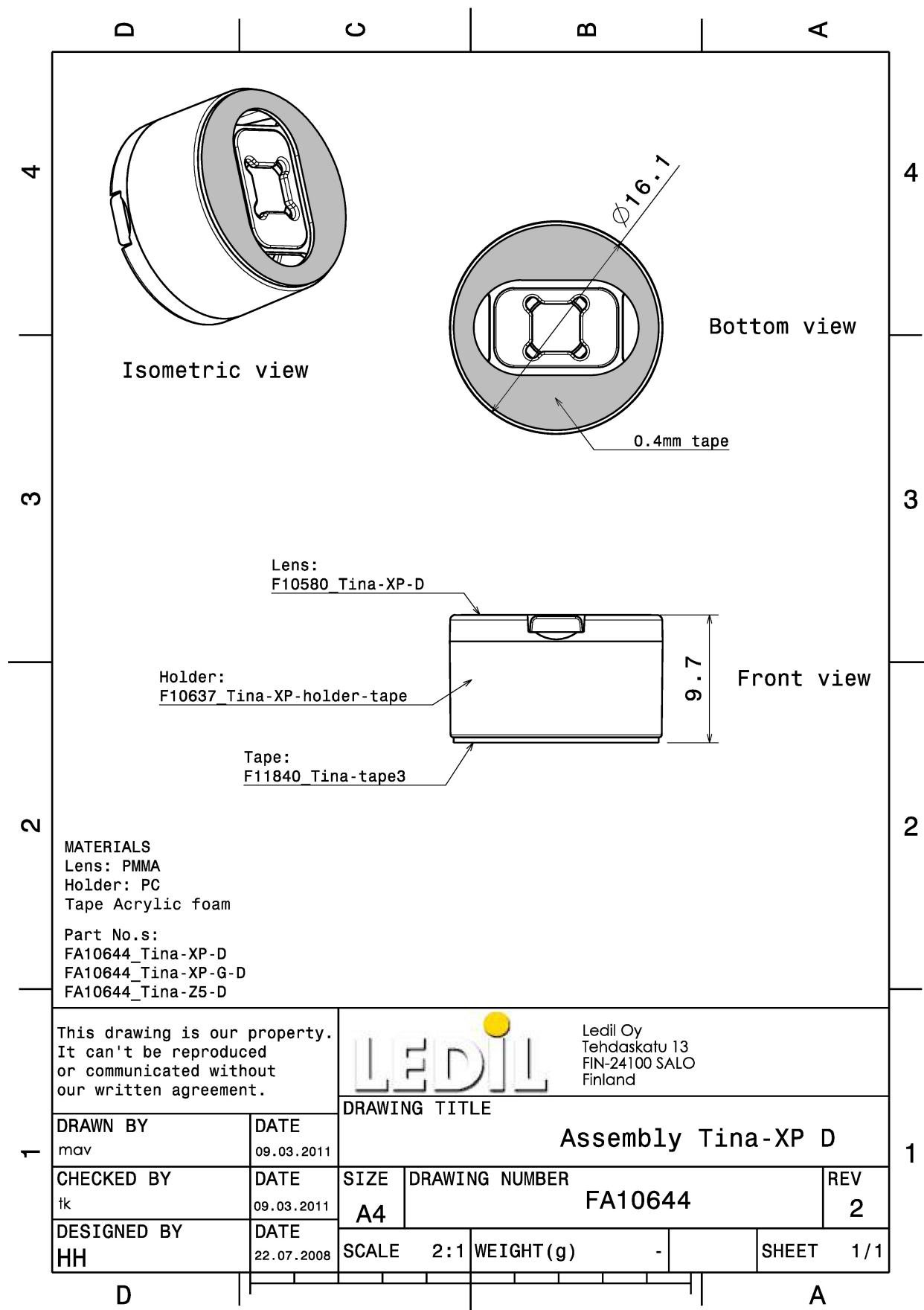


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-D	Single lens	PMMA	clear	
TINA-XP-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10644_TINA-D	Single lens	2016	288	144	4.2
» Box size: 470 x 240 x 105 mm					



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

OPTICAL RESULTS (MEASURED):



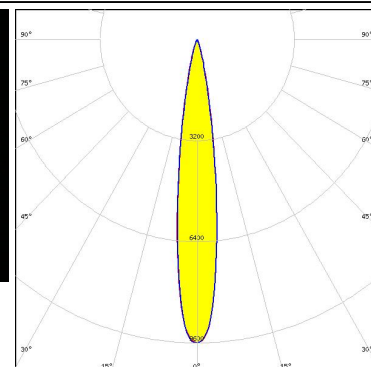
LED XP-E
FWHM / FWTM 14.0° / 29.0°
Efficiency 93 %
Peak intensity 9.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



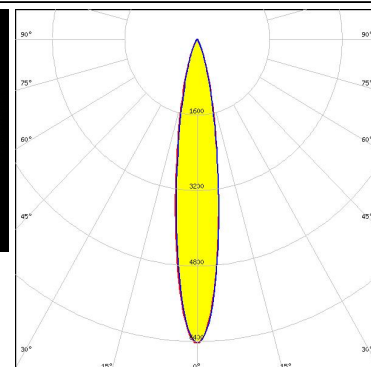
LED XP-G
FWHM / FWTM 20.0° / 40.0°
Efficiency 93 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



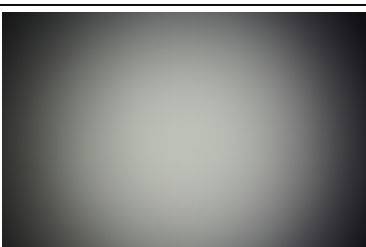
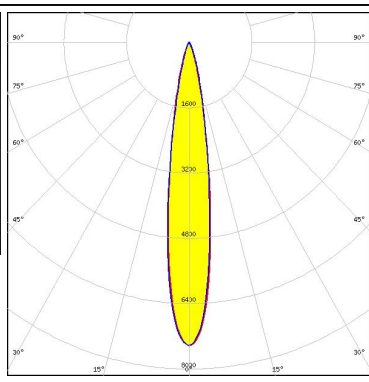
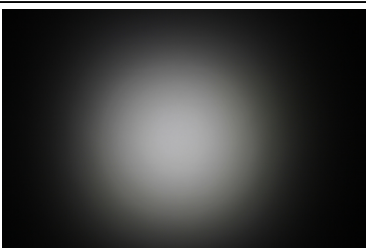
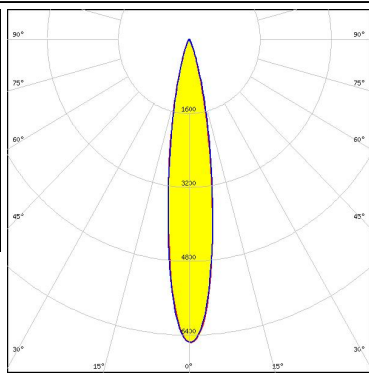
LED XT-E
FWHM / FWTM 17.0° / 35.0°
Efficiency 94 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 2835 Line
FWHM / FWTM 17.0° / 38.0°
Efficiency 96 %
Peak intensity 6.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



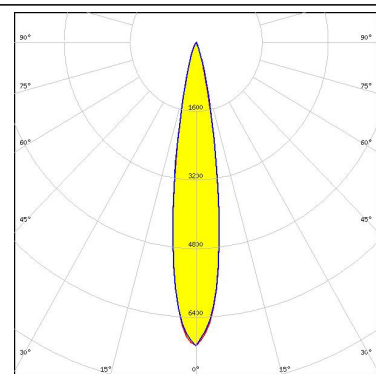
OPTICAL RESULTS (MEASURED):

SEOUL SEOUL SEMICONDUCTOR LED Z5 FWHM / FWTM 12.0° Efficiency % LEDs/each optic 1 Light colour White Required components:	
SEOUL SEOUL SEMICONDUCTOR LED Z5M1/Z5M2 FWHM / FWTM 16.0° / 34.0° Efficiency 94 % Peak intensity 7.4 cd/lm LEDs/each optic 1 Light colour White Required components:	 
TOSHIBA Leading Innovation >>> LED TL1L4 FWHM / FWTM 17.0° / 36.0° Efficiency 94 % Peak intensity 6.6 cd/lm LEDs/each optic 1 Light colour White Required components:	 

OPTICAL RESULTS (SIMULATED):



LED	NVSxx19B/NVSxx19C
FWHM / FWTM	18.0° / 34.0°
Efficiency	88 %
Peak intensity	7.1 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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