

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 ⓘ

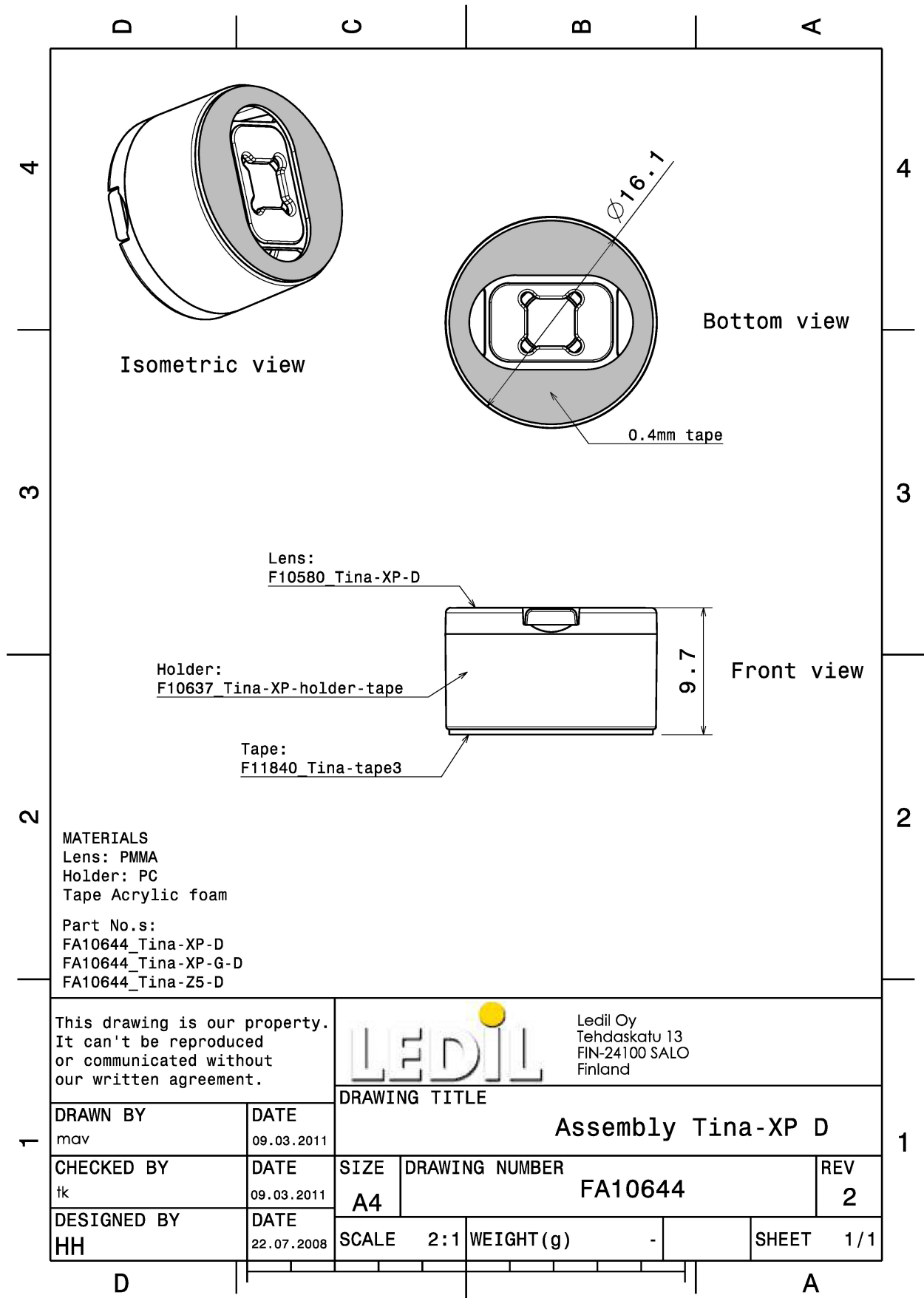


MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-D	Single lens	PMMA	clear		16.0
TINA-XP-H-TAPE-WHT	Holder	PC	white		16.0
TINA-TAPE3	Tape	Acrylic foam	black		16.0

ORDERING INFORMATION:

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



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

[Light distribution files](#)

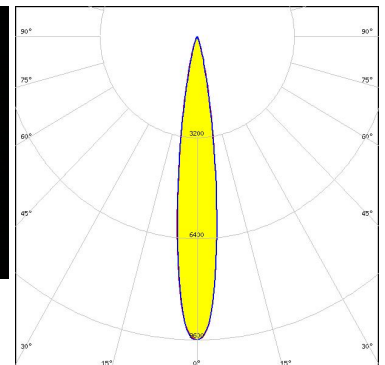


LED XP-G
FWHM / FWTM 20.0° / 40.0°
Efficiency 93 %
Peak intensity 5.1 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



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

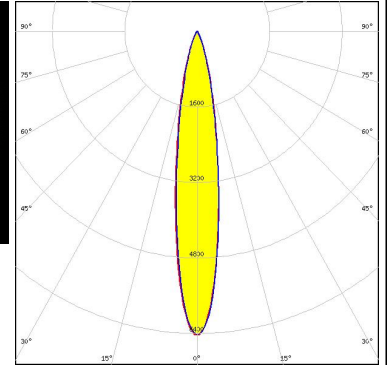
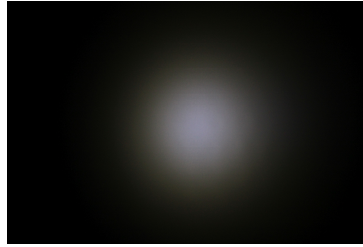


[Light distribution files](#)

OPTICAL RESULTS (MEASURED):



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



Light distribution files

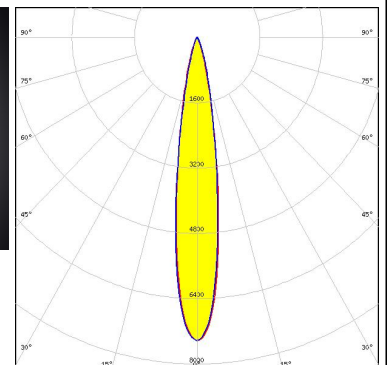
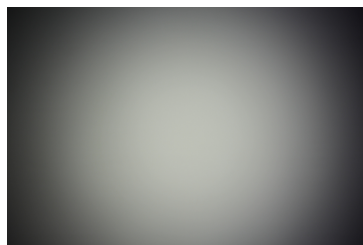


LED Z5
 FWHM / FWTM 12.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED Z5M1/Z5M2
 FWHM / FWTM 16.0° / 34.0°
 Efficiency 94 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

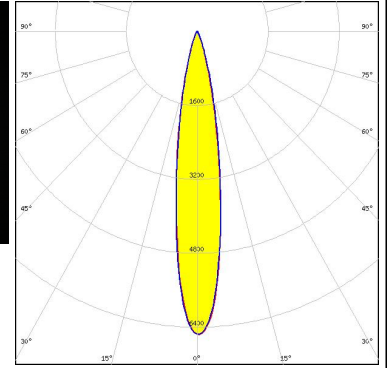


Light distribution files

OPTICAL RESULTS (MEASURED):


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LED TL1L4
FWHM / FWTM 17.0° / 36.0°
Efficiency 94 %
Peak intensity 6.6 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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/type	White
Required components:	

Light distribution files

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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