



**THE DATASHEET OF
FA10887_TINA-RS**



TINA-RS

~13° spot beam optimized for CREE XP-E.
Assembly with holder and installation tape.

SPECIFICATION:

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

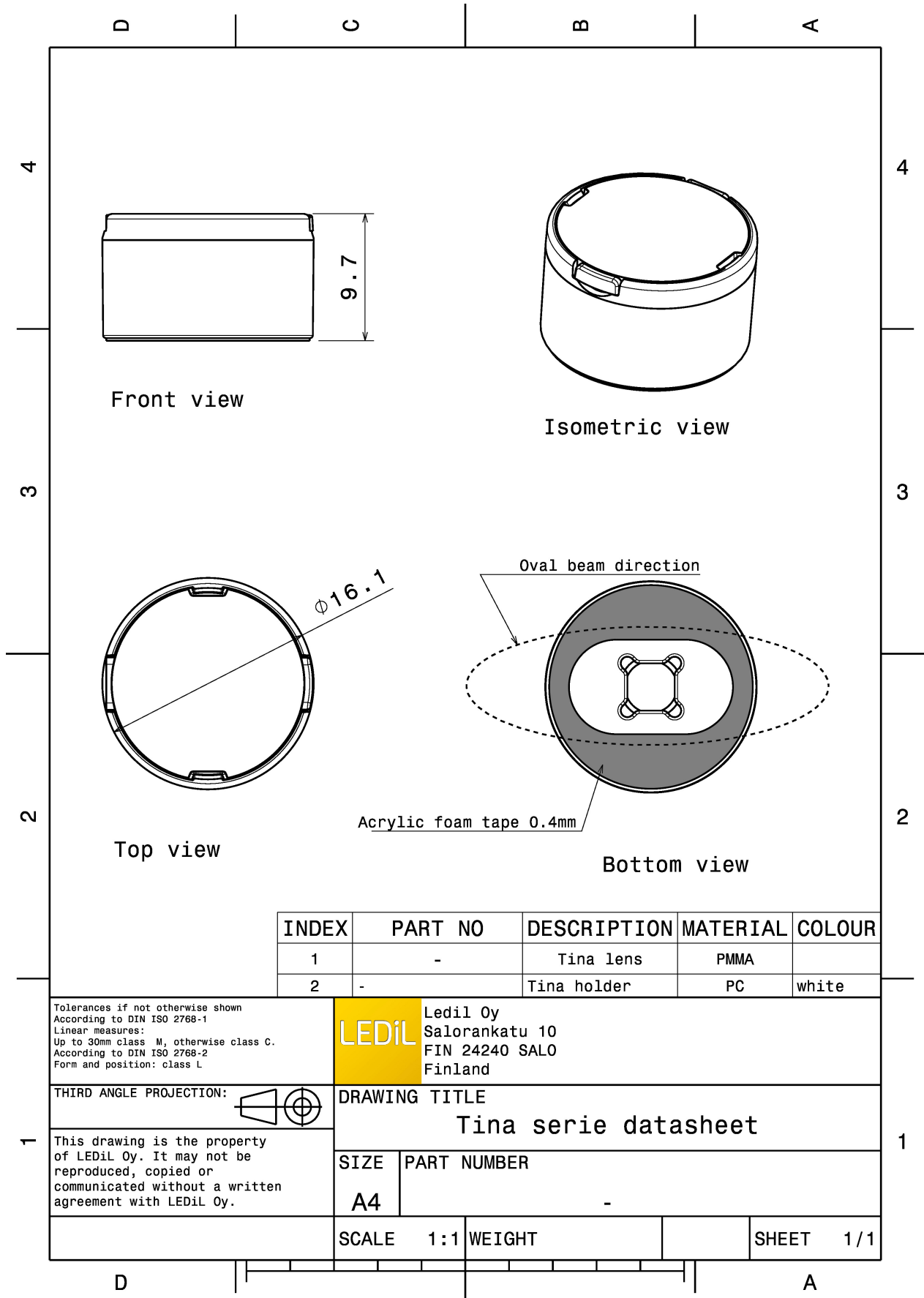


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-XP-RS	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)
FA10887_TINA-RS » Box size: 470 x 240 x 105 mm	2016	288	144	4.0

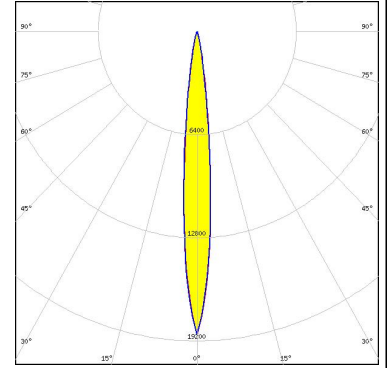


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



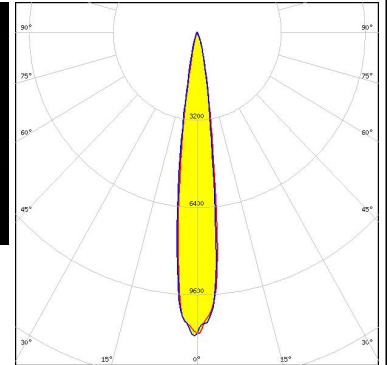
LED XP-E
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 93 %
 Peak intensity 18.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-G
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 94 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

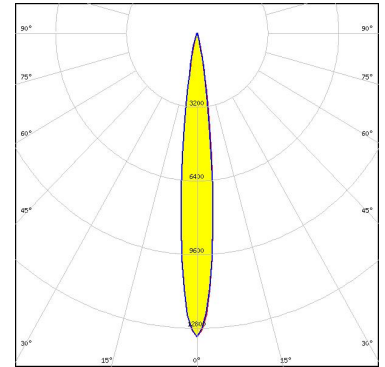


Light distribution files

OPTICAL RESULTS (SIMULATED):



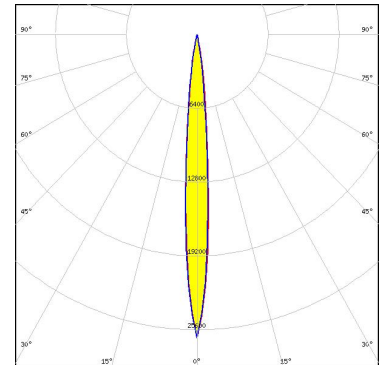
LED XD16
FWHM / FWTM 12.0° / 24.0°
Efficiency 92 %
Peak intensity 13.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



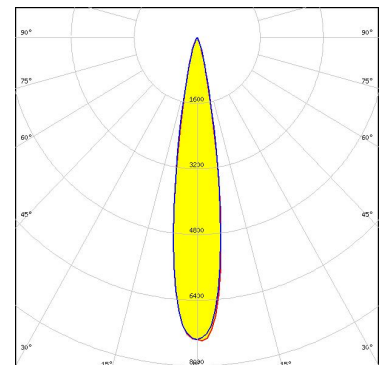
LED LUXEON CZ
FWHM / FWTM 9.0° / 20.0°
Efficiency 94 %
Peak intensity 26.3 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



LED NVSxx19B/NVSxx19C
FWHM / FWTM 18.0° / 32.0°
Efficiency 88 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

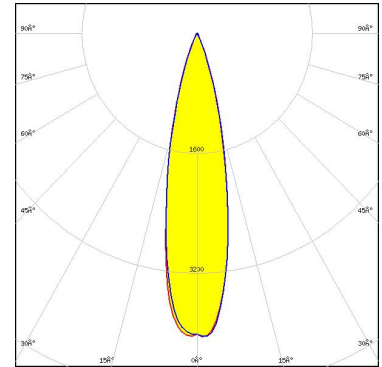


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

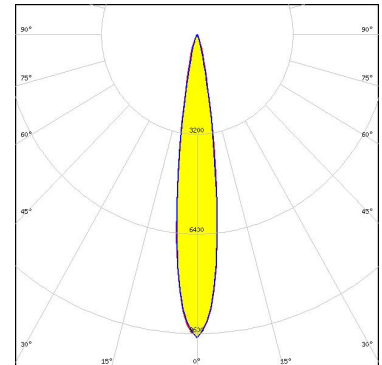
LED OSLON Pure 1414
 FWHM / FWTM 24.0° / 43.0°
 Efficiency 95 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 16.0° / 29.0°
 Efficiency 95 %
 Peak intensity 9.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:




Light distribution files

SEUL
SEOUL SEMICONDUCTOR

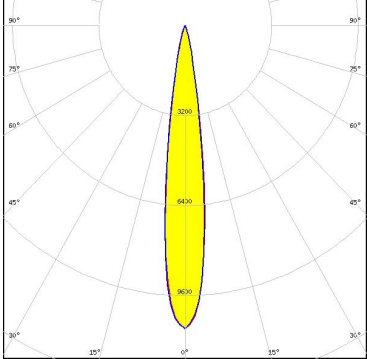
LED Z5
 FWHM / FWTM 11.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):

 SEOL SEMICONDUCTOR	
LED	Z5M1/Z5M2
FWHM / FWTM	14.0° / 28.0°
Efficiency	94 %
Peak intensity	10.8 cd/m
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:

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