

TINA-RS

~13° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	10.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

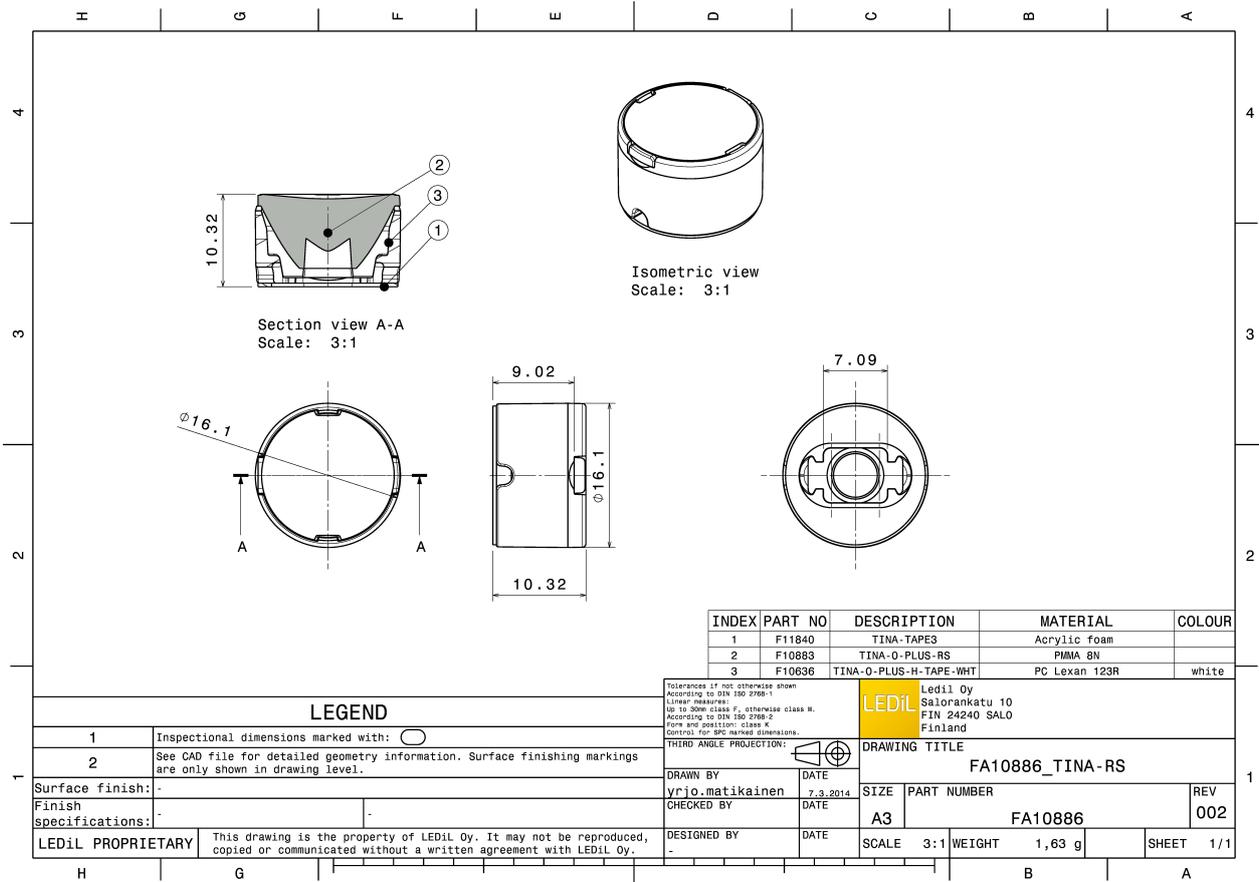


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10886_TINA-RS	Single lens	2016	288	144	4.1
» Box size:					

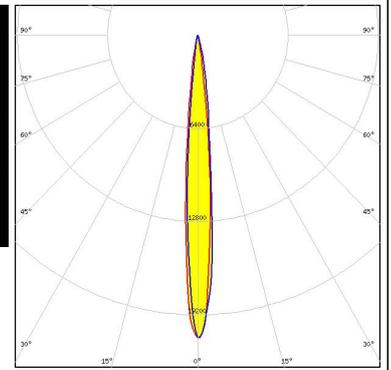


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

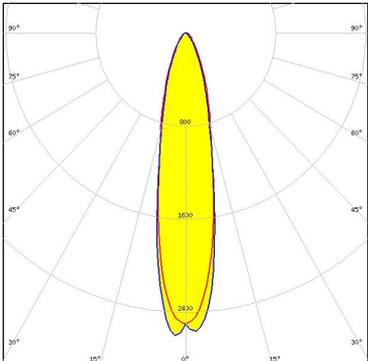
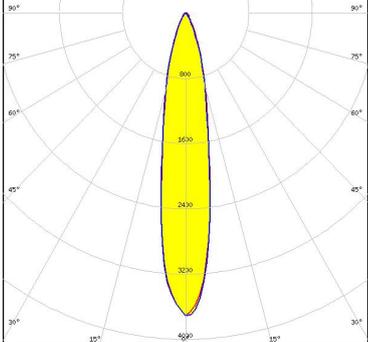
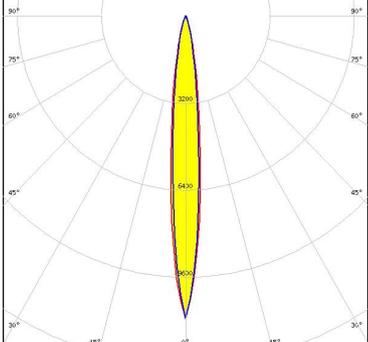
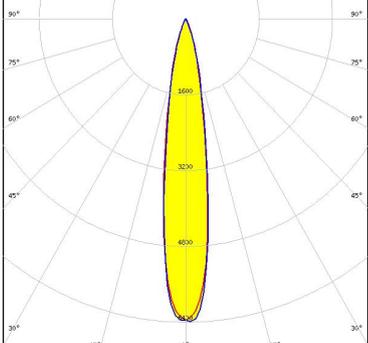
LED	Golden Dragon+
FWHM / FWTM	10.0° / 19.0°
Efficiency	93 %
Peak intensity	20.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

<p>CREE → LED</p> <p>LED: XP-E2 FWHM / FWTM: 10.0° / 25.0° Efficiency: 88 % Peak intensity: 13.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-G3 FWHM / FWTM: 16.0° / 36.0° Efficiency: 85 % Peak intensity: 6.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-L HI FWHM / FWTM: 12.0° / 32.0° Efficiency: 89 % Peak intensity: 8.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XT-E FWHM / FWTM: 12.0° / 32.0° Efficiency: 81 % Peak intensity: 6.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Square LES</p> <p>FWHM / FWTM 22.0° / 56.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED NV4WB35AM</p> <p>FWHM / FWTM 18.0° / 46.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED KW CULPM1.TG</p> <p>FWHM / FWTM 11.0° / 27.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 11.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LH351C</p> <p>FWHM / FWTM 16.0° / 37.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 6.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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