

TITANUM-O-O

~35° + 8° oval beam. Assembly with tape.

SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	14.9 mm
Fastening	tape
ROHS compliant	yes ⓘ

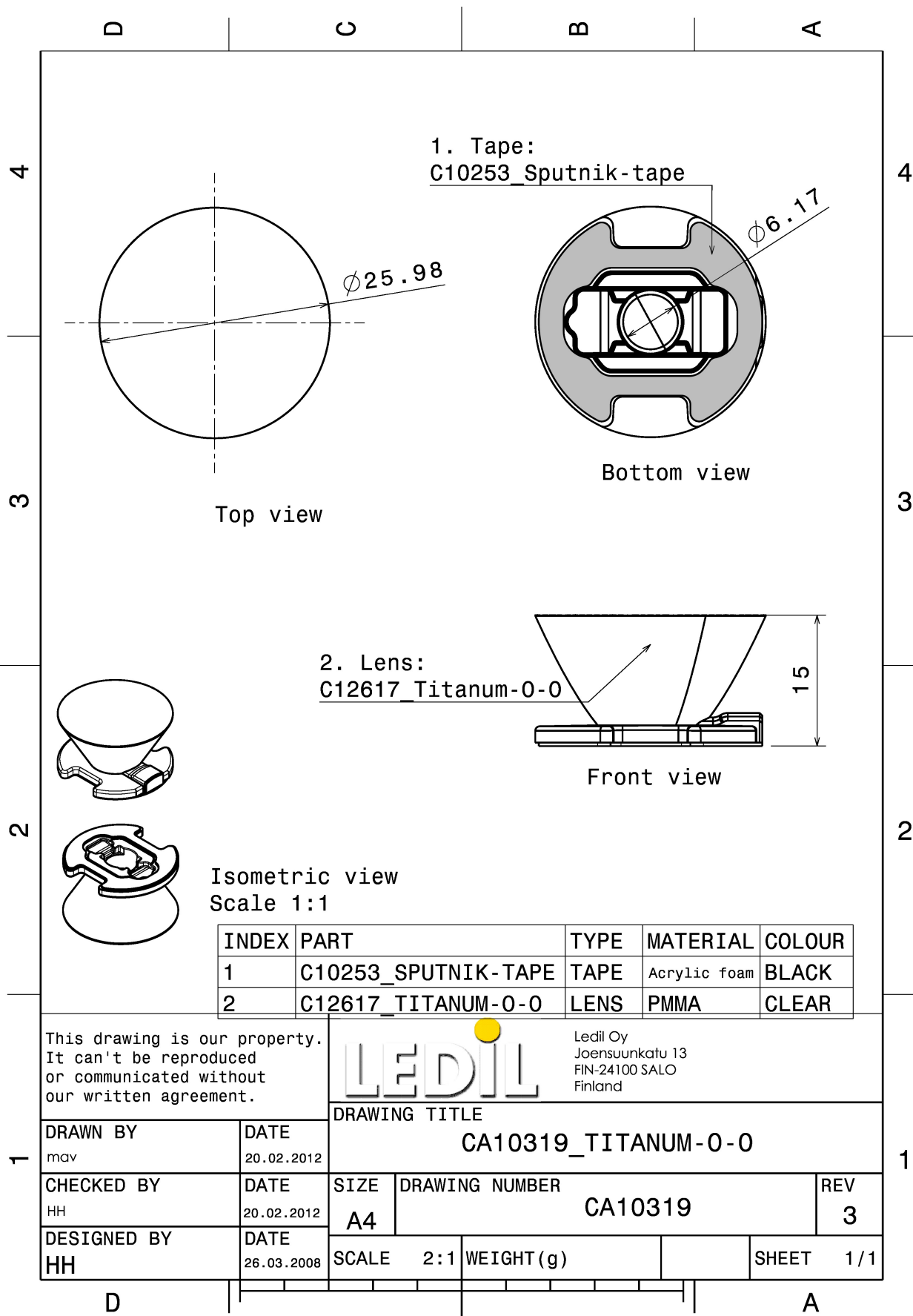
MATERIALS:

Component	Type	Material	Colour	Finish
TITANUM-O-O	Single lens	PMMA	clear	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA10319_TITANUM-O-O	Single lens	1001	308	77	6.9
» Box size: 480 x 280 x 300 mm					





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

OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED Golden Dragon+

FWHM / FWTM 40.0 + 8.0° / 61.0 + 20.0°

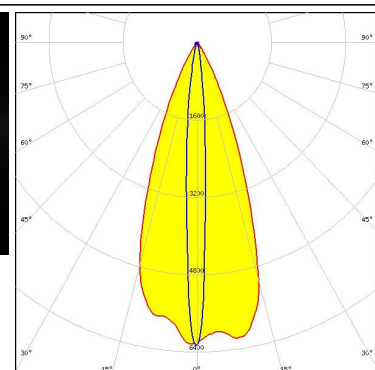
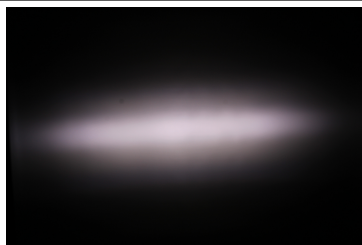
Efficiency 91 %

Peak intensity 6.4 cd/lm

LEDs/each optic 1

Light colour White

Required components:



OSRAM Opto Semiconductors

LED Platinum Dragon

FWHM / FWTM 36.0 + 6.0° / 49.0 + 20.0°

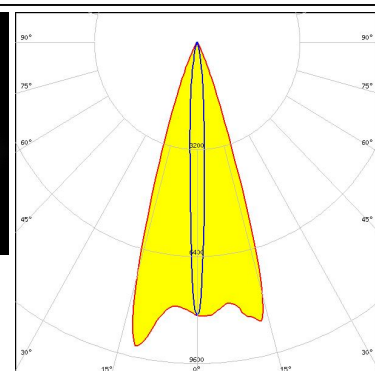
Efficiency 94 %

Peak intensity 9.3 cd/lm

LEDs/each optic 1

Light colour White

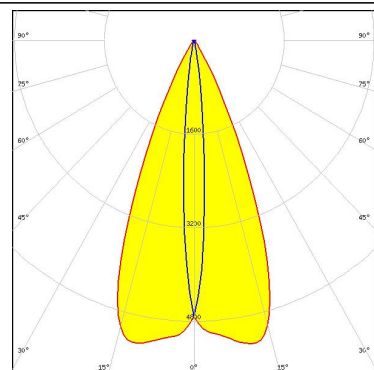
Required components:



OPTICAL RESULTS (SIMULATED):

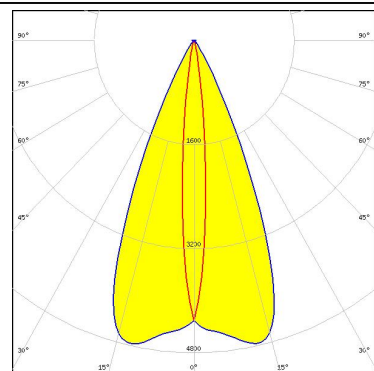
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	45.0 + 10.0° / 62.0 + 21.0°
Efficiency	90 %
Peak intensity	5.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM302D
FWHM / FWTM	10.0 + 46.0° / 22.0 + 62.0°
Efficiency	89 %
Peak intensity	4.8 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:

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