

## TINA2-O

~35° + 15° oval beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.



### SPECIFICATION:

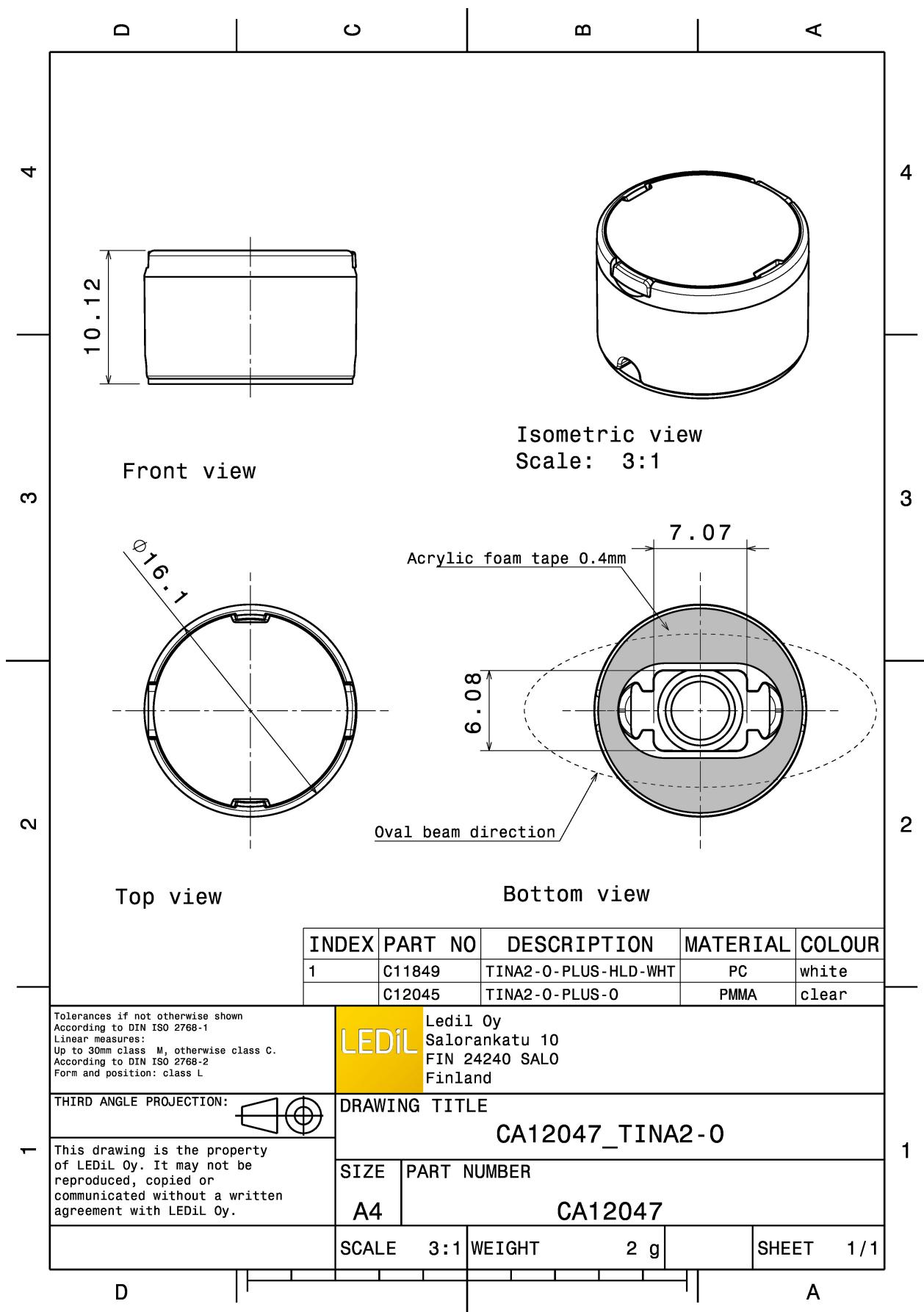
Dimensions	Ø 16.1
Height	10.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA2-O-PLUS-HLD-WHT	Holder	PC	white		
TINA2-O-PLUS-O	Single lens	PMMA			
TINA-TAPE3	Tape	Acryl tape	black		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12047_TINA2-O	4140	230	230	0.0
» Box size: 451 x 241 x 298 mm				

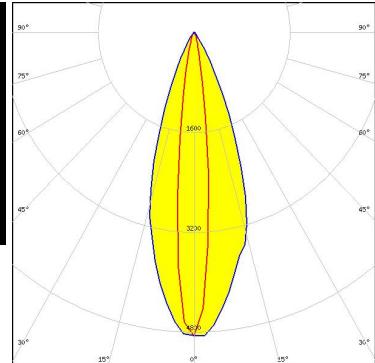


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED                   Golden Dragon+  
FWHM / FWTM    36.0 + 12.0° / 58.0 + 26.0°  
Efficiency        89 %  
Peak intensity    5.3 cd/lm  
LEDs/each optic   1  
Light colour/type   White  
Required components:



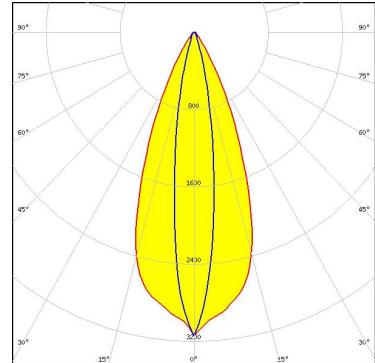
Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED	XP-L HI
FWHM / FWTM	42.0 + 16.0° / 66.0 + 34.0°
Efficiency	89 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

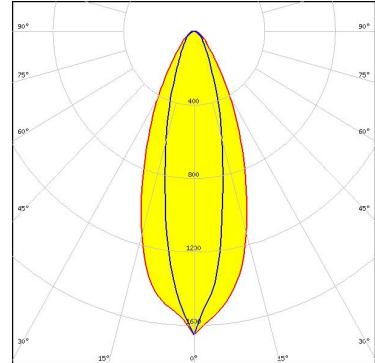


Light distribution files



LED	LUXEON 5050 HE
FWHM / FWTM	41.0 + 22.0° / 80.0 + 60.0°
Efficiency	82 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

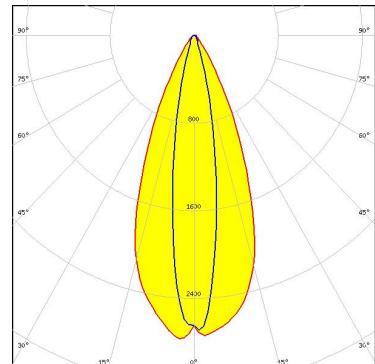


Light distribution files



LED	OSCONIQ P 3737 (2W) PUSRA1
FWHM / FWTM	43.0 + 18.0° / 69.0 + 36.0°
Efficiency	87 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

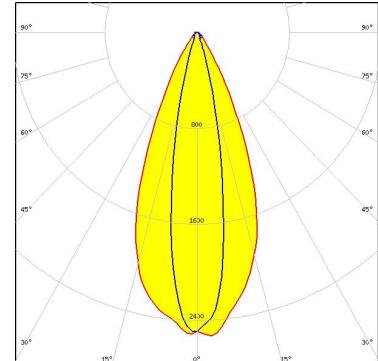


Light distribution files

## OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

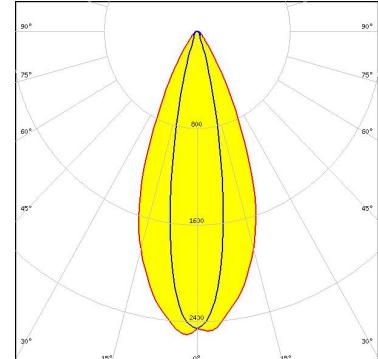
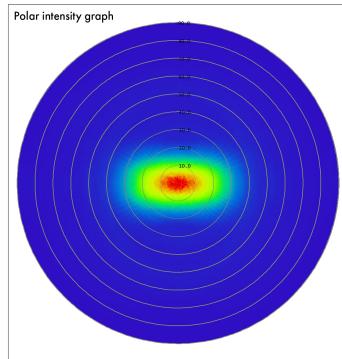
LED SFH 4715AS  
FWHM / FWTM  $43.0 + 20.0^\circ / 68.0 + 37.0^\circ$   
Efficiency 88 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4725AS  
FWHM / FWTM  $44.0 + 20.0^\circ / 70.0 + 38.0^\circ$   
Efficiency 87 %  
LEDs/each optic 1  
Light colour/type IR  
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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