

## TINA-O

~35° x 15° oval beam optimized for LUXEON Rebel. Assembly with holder, installation tape and location pins.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.4 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

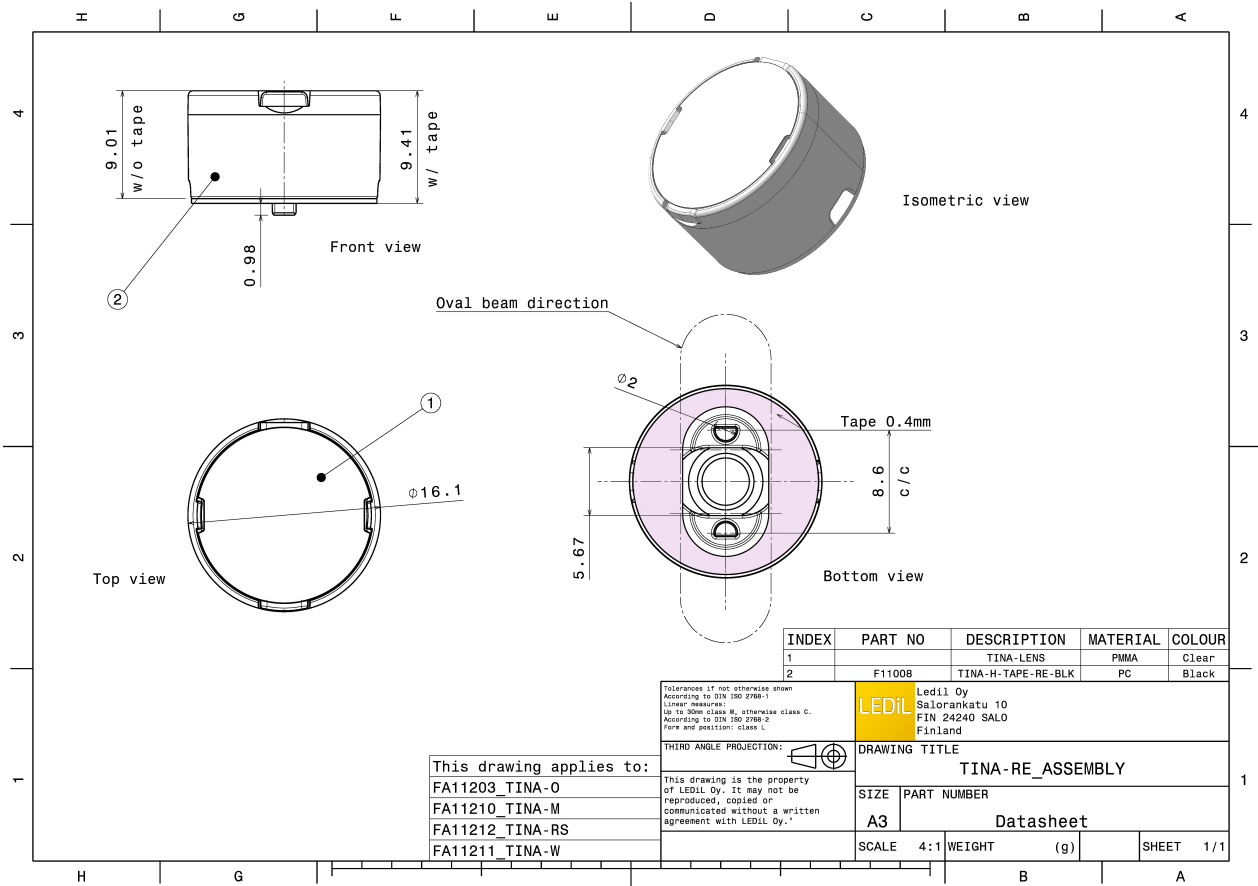


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-XP-O	Single lens	PMMA	clear	
TINA-H-TAPE-RE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11203_TINA-O	Single lens	2016	288	144	4.1
» Box size:					

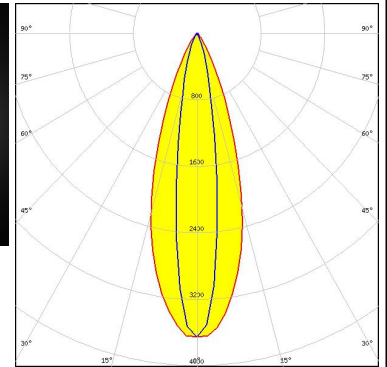
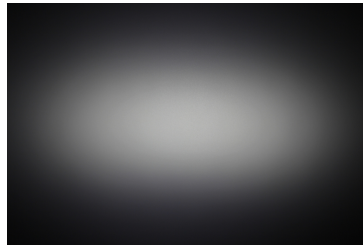


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### PHOTOMETRIC DATA (MEASURED):



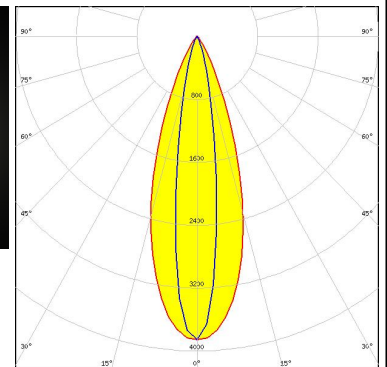
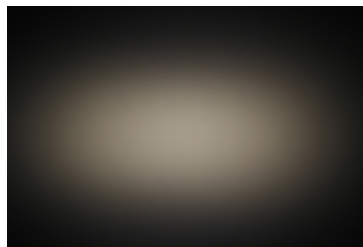
LED XB-H  
 FWHM / FWTM 35.0 + 17.0° / 61.0 + 38.0°  
 Efficiency 83 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



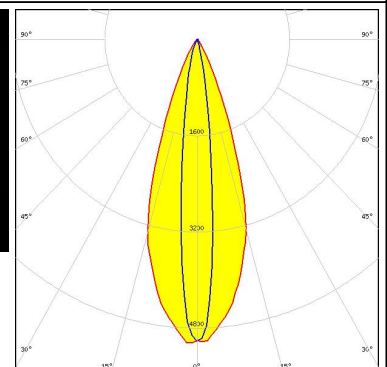
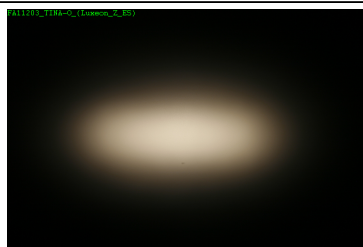
LED LUXEON Rebel  
 FWHM / FWTM 34.0 + 18.0° / 64.0 + 42.0°  
 Efficiency 89 %  
 Peak intensity 2.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON TX  
 FWHM / FWTM 36.0 + 17.0° / 61.0 + 36.0°  
 Efficiency 84 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



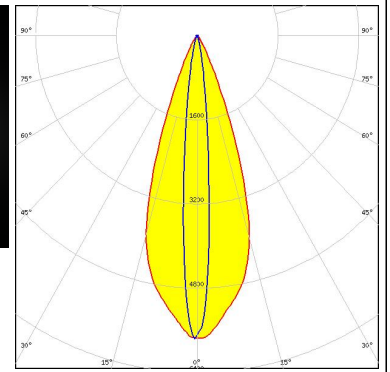
LED LUXEON Z ES  
 FWHM / FWTM 36.0 + 13.0° / 57.0 + 28.0°  
 Efficiency 85 %  
 Peak intensity 5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

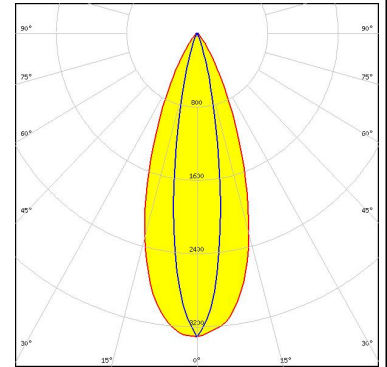
LED OSLON Black Flat  
FWHM / FWTM 37.0 + 10.0° / 55.0 + 23.0°  
Efficiency 85 %  
Peak intensity 5.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



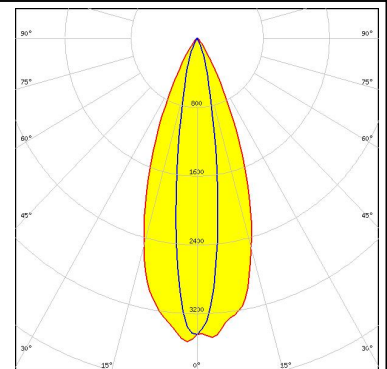
### PHOTOMETRIC DATA (SIMULATED):



LED XB-D White  
 FWHM / FWTM 39.0 + 18.0° / 67.0 + 36.0°  
 Efficiency 87 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



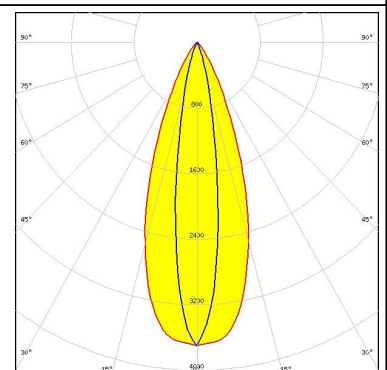
LED LUXEON H50-2  
 FWHM / FWTM 16.0 + 40.0° / 36.0 + 64.0°  
 Efficiency 89 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON T  
 FWHM / FWTM 40.0 + 16.0° / 65.0 + 36.0°  
 Efficiency 89 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 38.0 + 16.0° / 66.0 + 35.0°  
 Efficiency 89 %  
 Peak intensity 3.7 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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