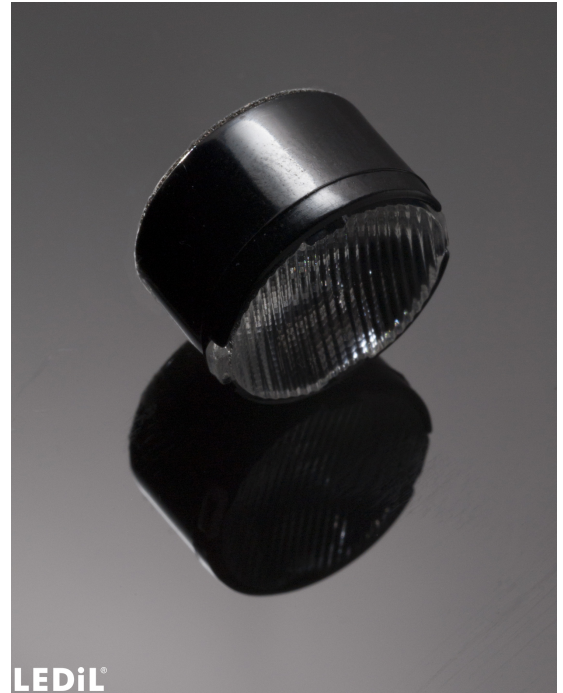


## TINA-O

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

### SPECIFICATION:

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

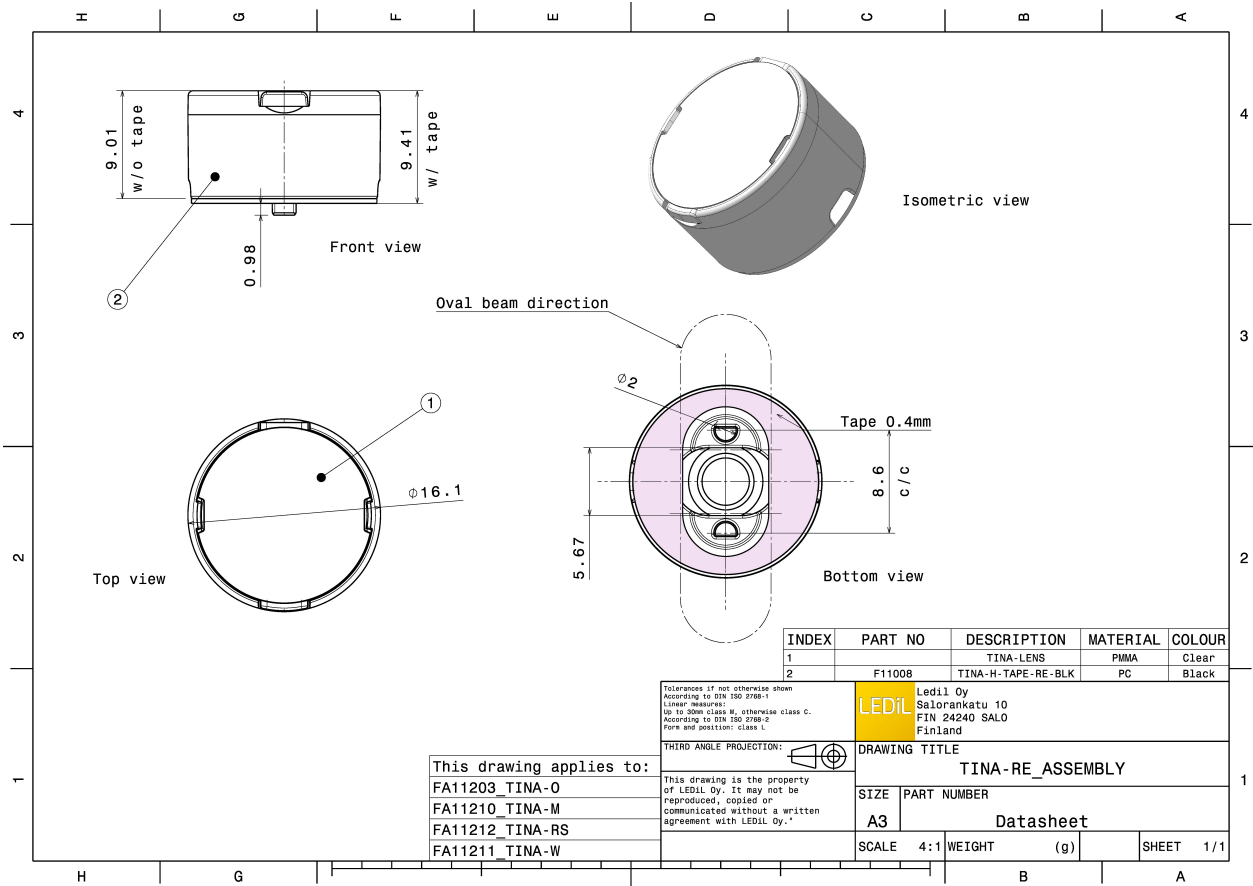


### MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-XP-O	Single lens	PMMA	clear		16.0
TINA-H-TAPE-RE-BLK	Holder	PC	black		16.0
TINA-TAPE3	Tape	Acrylic foam	black		16.0

### ORDERING INFORMATION:

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

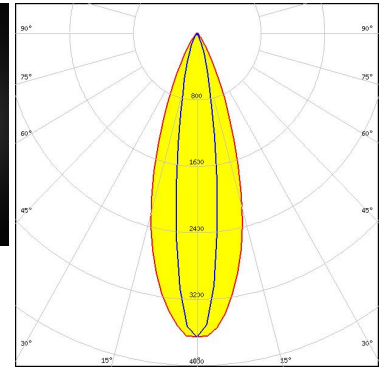
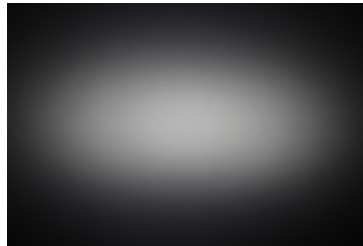


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (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/type White  
Required components:



Light distribution files

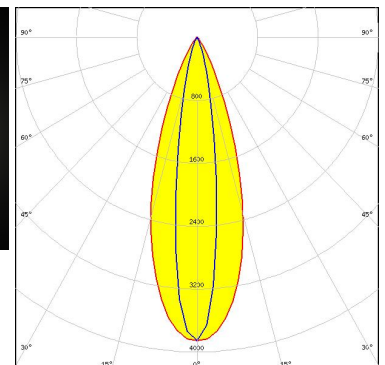
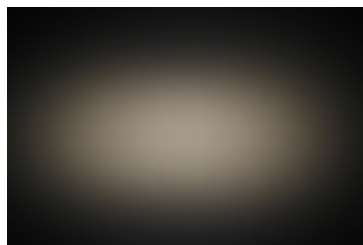


LED LUXEON Rebel  
FWHM / FWTM 34.0 + 18.0° / 64.0 + 42.0°  
Efficiency 89 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



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/type White  
Required components:

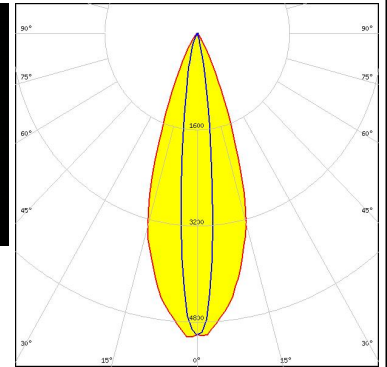


Light distribution files

### OPTICAL RESULTS (MEASURED):



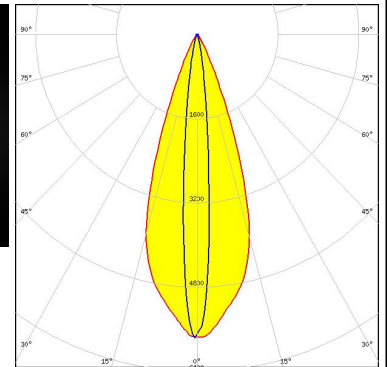
LED LUXEON Z ES  
 FWHM / FWTM 36.0 + 13.0° / 57.0 + 28.0°  
 Efficiency 85 %  
 Peak intensity 5 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED OSOLON Black Flat (LUW HWQP)  
 FWHM / FWTM 37.0 + 10.0° / 55.0 + 23.0°  
 Efficiency 85 %  
 Peak intensity 5.8 cd/m  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

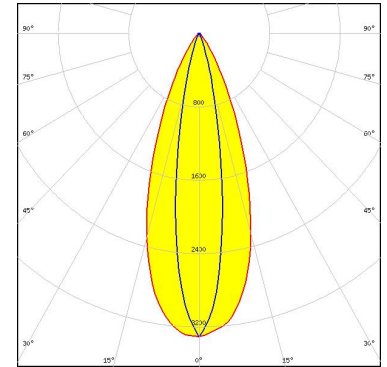


Light distribution files

### OPTICAL RESULTS (SIMULATED):



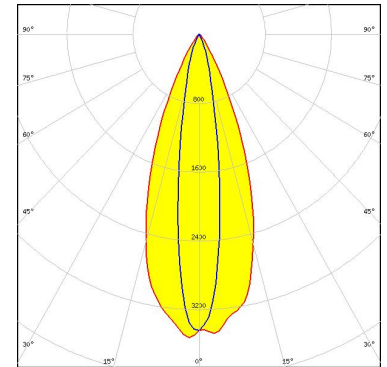
LED XB-D  
 FWHM / FWTM 39.0 + 18.0° / 67.0 + 36.0°  
 Efficiency 87 %  
 Peak intensity 3.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



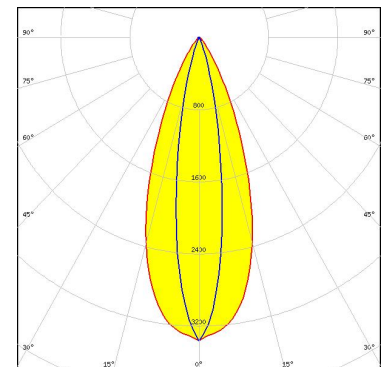
LED LUXEON H50-2  
 FWHM / FWTM 16.0 + 40.0° / 36.0 + 64.0°  
 Efficiency 89 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON HL2Z  
 FWHM / FWTM 40.0 + 18.0° / 68.0 + 36.0°  
 Efficiency 89 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):



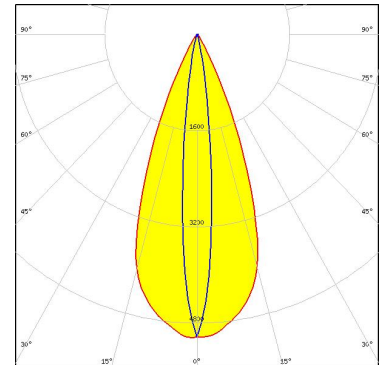
LED LUXEON T  
FWHM / FWTM 40.0 + 16.0° / 65.0 + 36.0°  
Efficiency 89 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



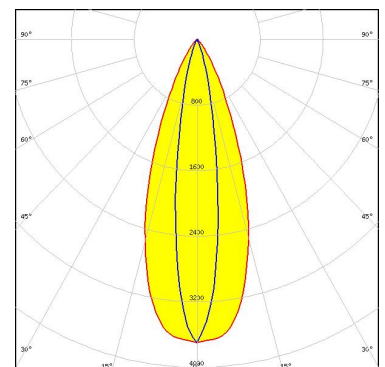
LED NCSxE17A  
FWHM / FWTM 42.0 + 12.0° / 60.0 + 24.0°  
Efficiency 90 %  
Peak intensity 5.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSOLON 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/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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