

## TINA3-WW

~55° wide beam optimized for CREE XP-E.  
Assembly with holder, installation tape and  
location pins.

### TECHNICAL SPECIFICATIONS:

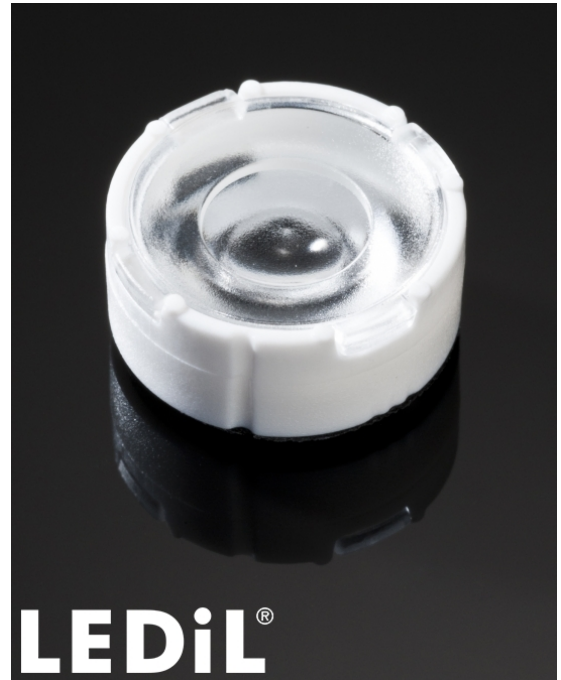
Dimensions	Ø 16.1 mm
Height	7.1 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

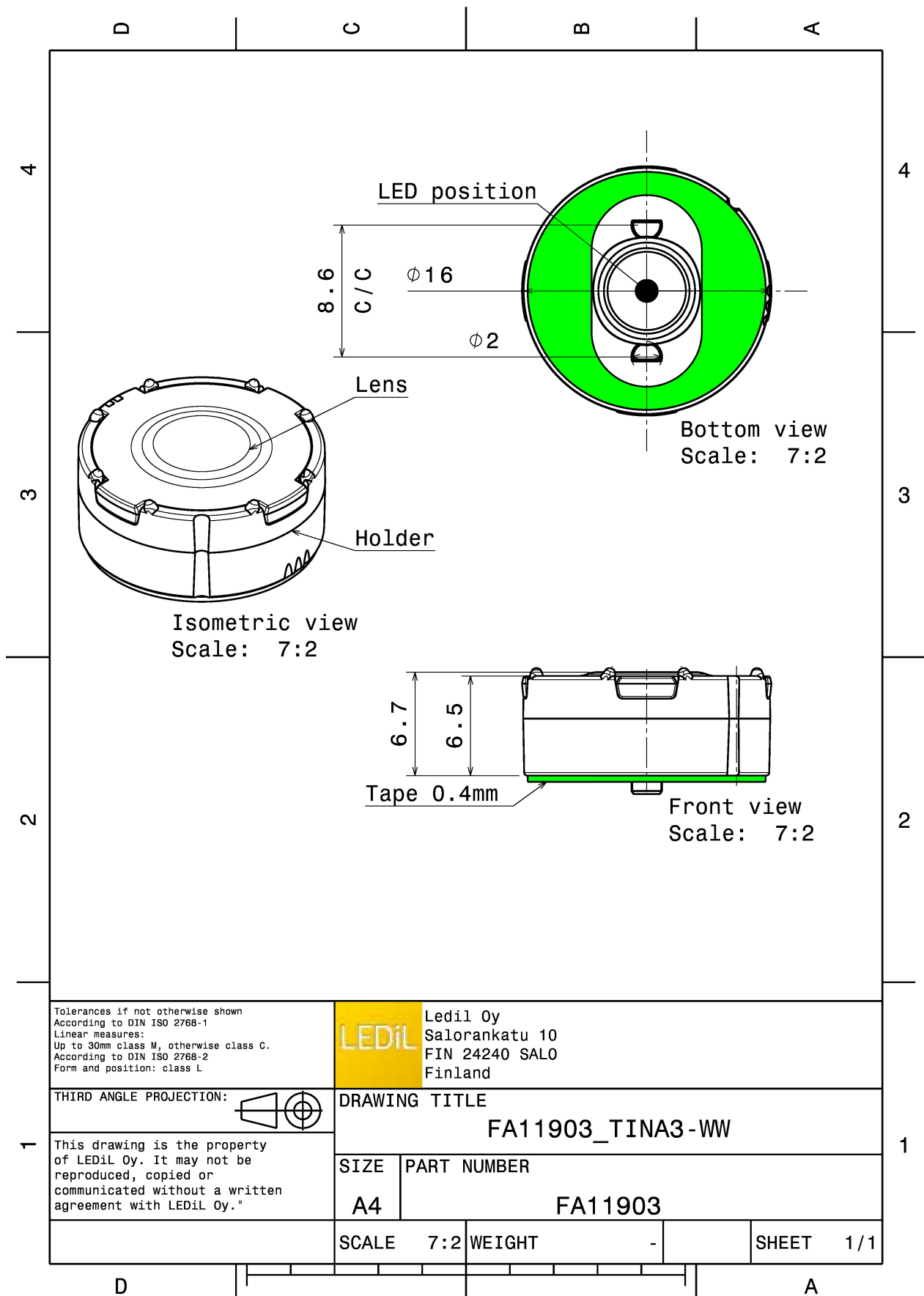
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA3-WW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11903_TINA3-WW	Single lens	2016	288	288	3.2
» Box size: 470 x 240 x 105 mm					

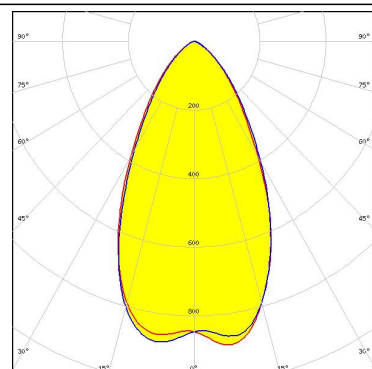
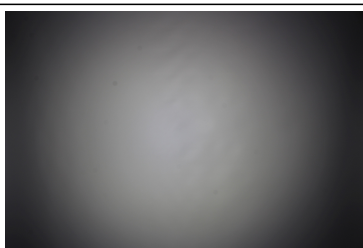




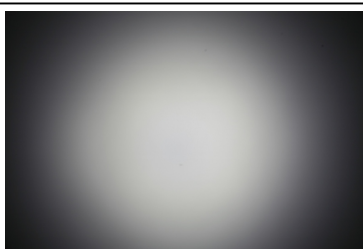
### PHOTOMETRIC DATA (MEASURED):



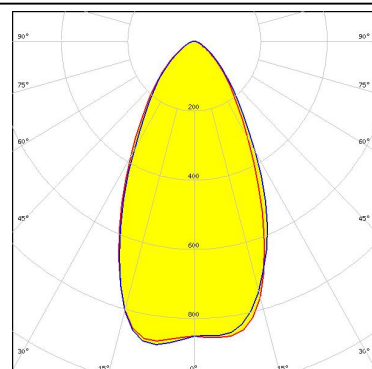
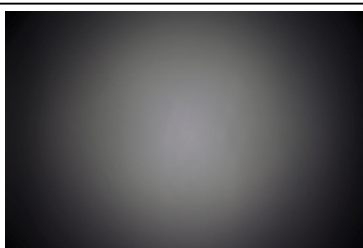
LED XM-L  
FWHM 56.0°  
Efficiency 91 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



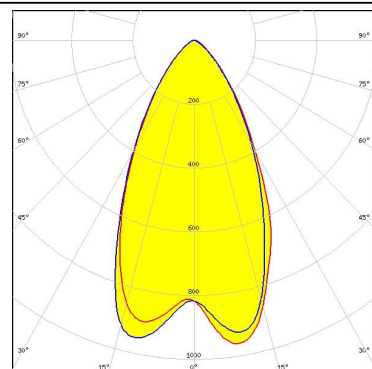
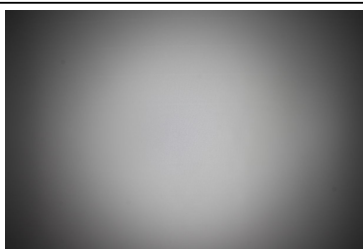
LED XM-L2  
FWHM 56.0°  
Efficiency 89 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-L HD  
FWHM 53.0°  
Efficiency 91 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



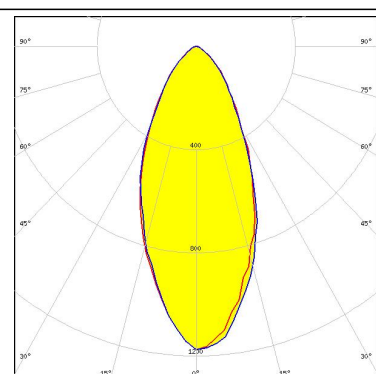
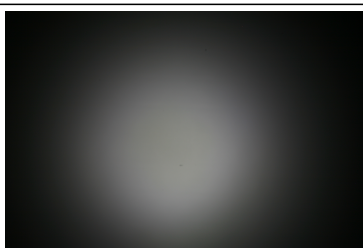
LED XP-L HI  
FWHM 54.0°  
Efficiency 91 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



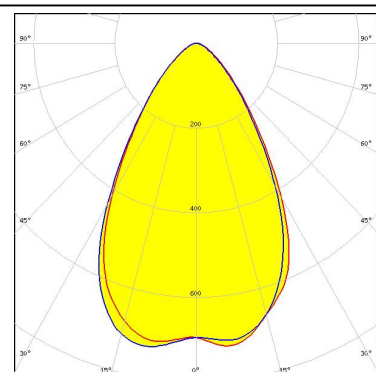
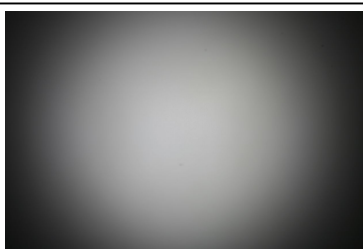
### PHOTOMETRIC DATA (MEASURED):



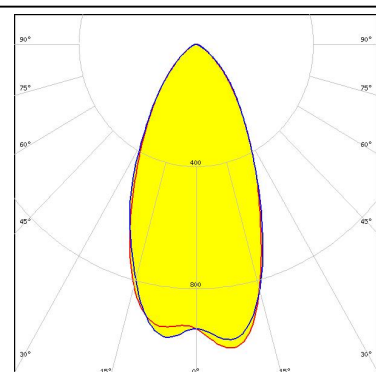
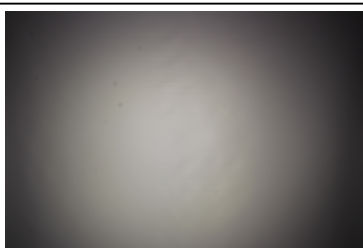
LED XT-E  
FWHM 46.0°  
Efficiency 92 %  
Peak intensity 1.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NS9x383  
FWHM 65.0°  
Efficiency 90 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



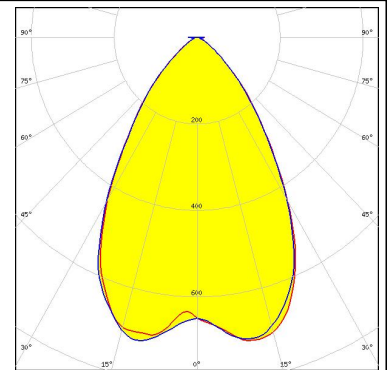
LED NVSW219F  
FWHM 51.0°  
Efficiency 92 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



LED XD16  
FWHM 61.0°  
Efficiency 91 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 4  
Light colour White  
Required components:



LED XM-L HVW  
FWHM 62.0°  
Efficiency %  
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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