

## TINA2-M

~30° medium beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

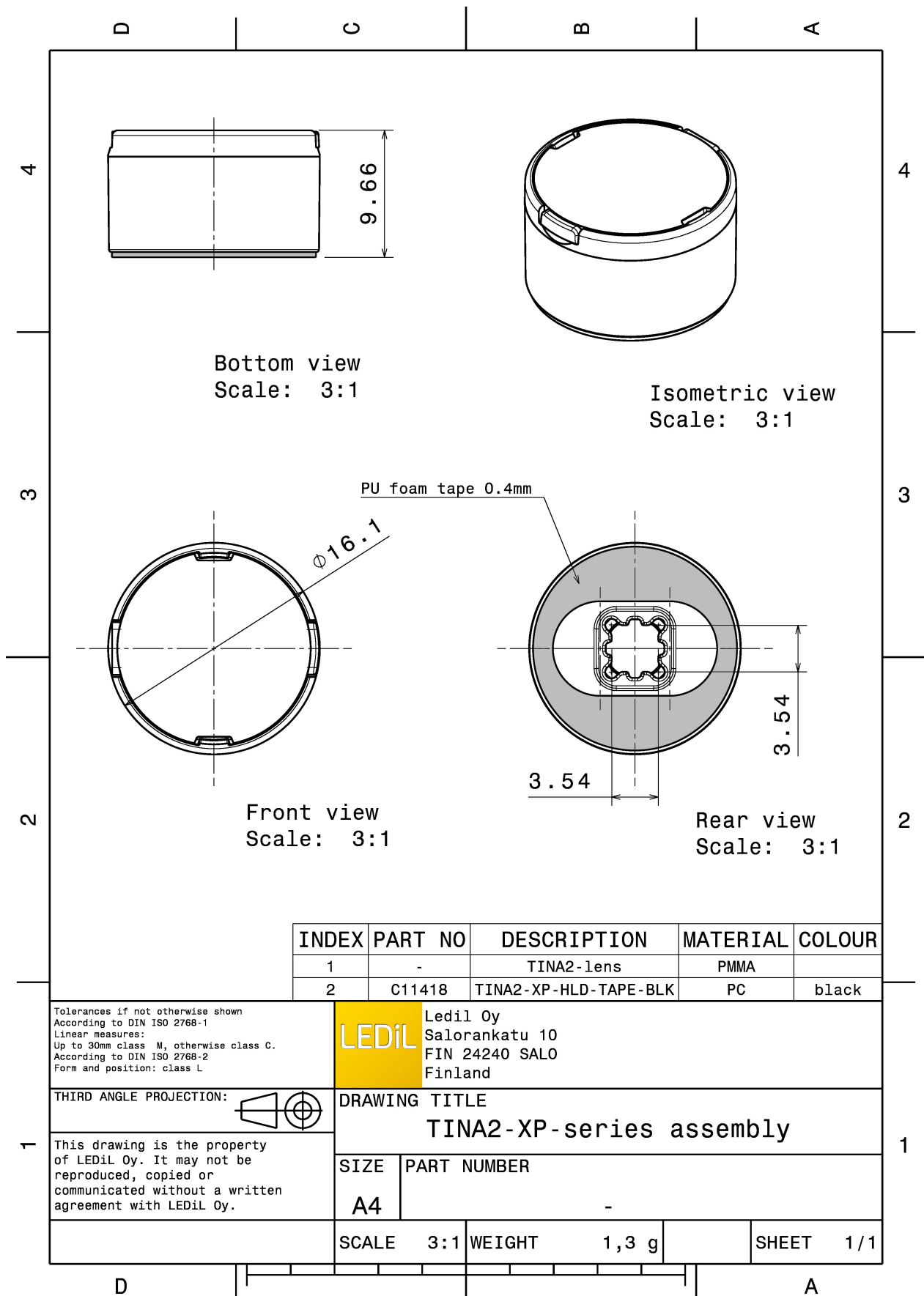
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-XP-M	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11017_TINA2-M	Single lens	4140	230	230	8.1
» Box size: 451 x 241 x 298 mm					

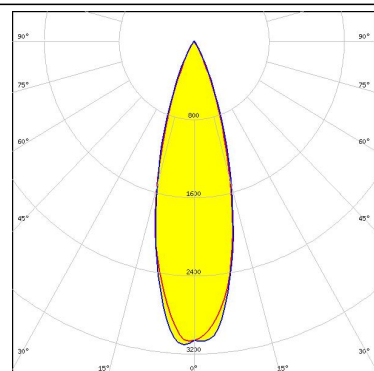




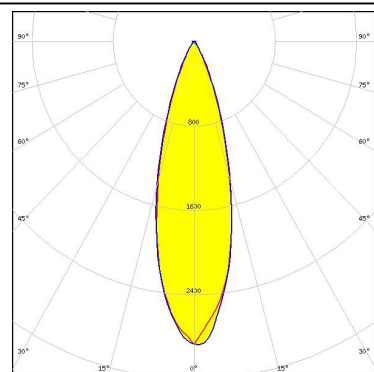
### PHOTOMETRIC DATA (MEASURED):



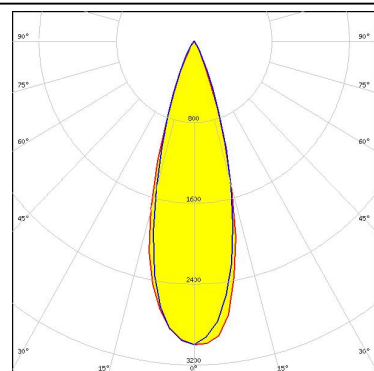
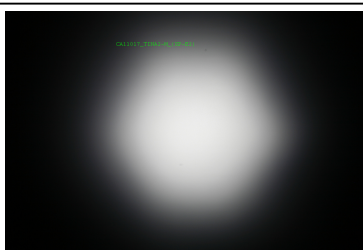
LED XP-E  
FWHM 31.0°  
Efficiency 89 %  
Peak intensity 2.6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



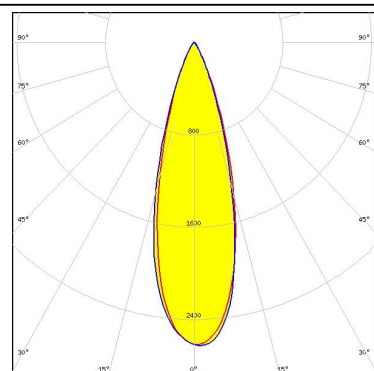
LED XP-E-HEW  
FWHM 30.0°  
Efficiency %  
Peak intensity 2.3 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM 32.0°  
Efficiency 86 %  
Peak intensity 3 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



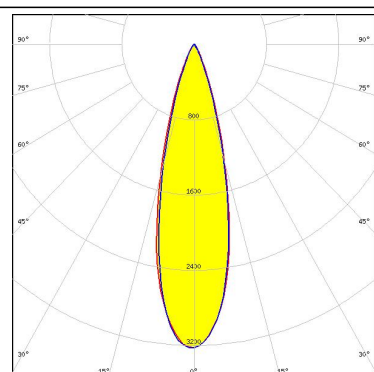
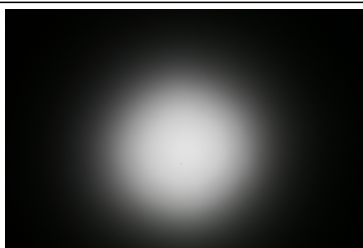
LED XP-G  
FWHM 30.0°  
Efficiency 88 %  
Peak intensity 2.8 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



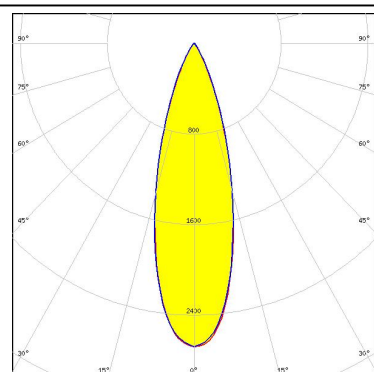
#### PHOTOMETRIC DATA (MEASURED):



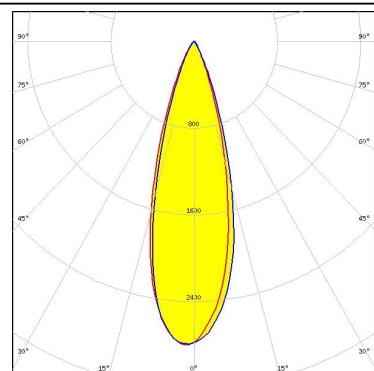
LED XP-G2  
FWHM 26.0°  
Efficiency 84 %  
Peak intensity 3.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



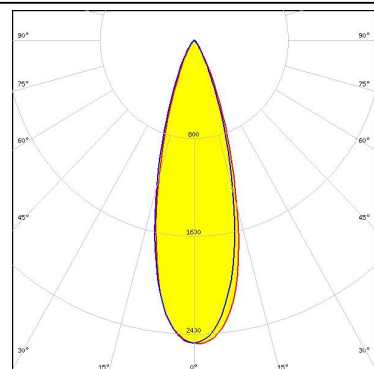
LED XT-E  
FWHM 31.0°  
Efficiency 81 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35B0 (LEMWA32)  
FWHM 30.0°  
Efficiency 86 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



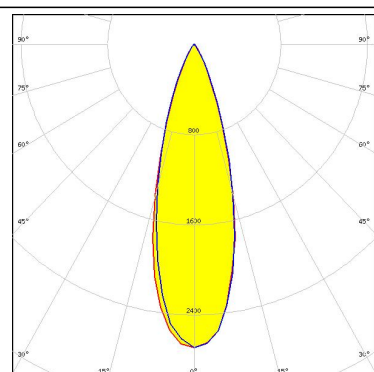
LED H35C0 (LEMWA33)  
FWHM 30.0°  
Efficiency 85 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



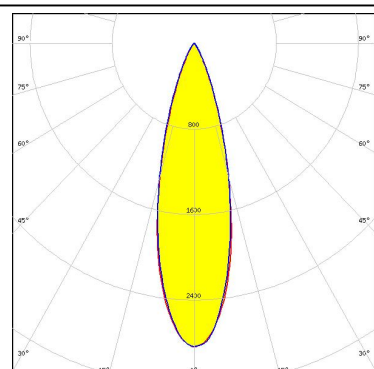
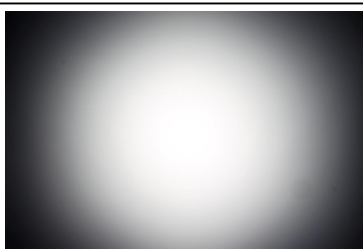
### PHOTOMETRIC DATA (MEASURED):



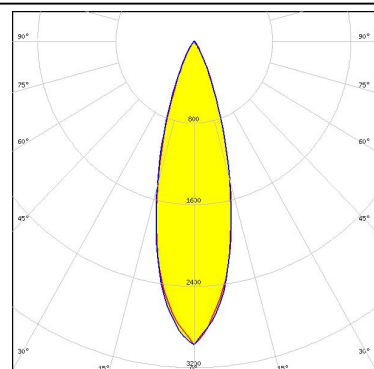
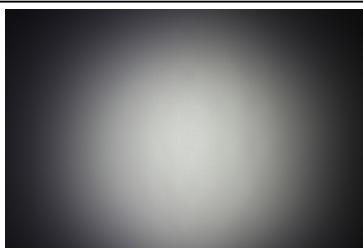
LED H35C1 (LEMWA33)  
FWHM 31.0°  
Efficiency 84 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Fortimo FastFlex 2x8 DS G3  
FWHM 28.0°  
Efficiency 83 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



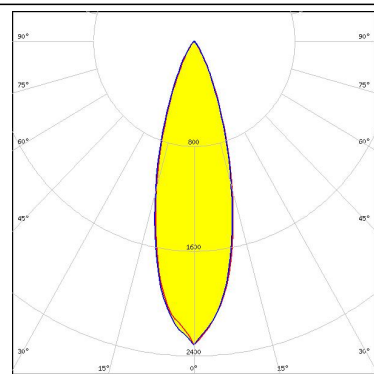
LED Z5M1/Z5M2  
FWHM 29.0°  
Efficiency 84 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



LED	XP-G2 HE
FWHM	30.0°
Efficiency	78 %
Peak intensity	2.3 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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