

## TINA3-WWW

~70° wide beam. Assembly with holder,  
installation tape and location pins.

## SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

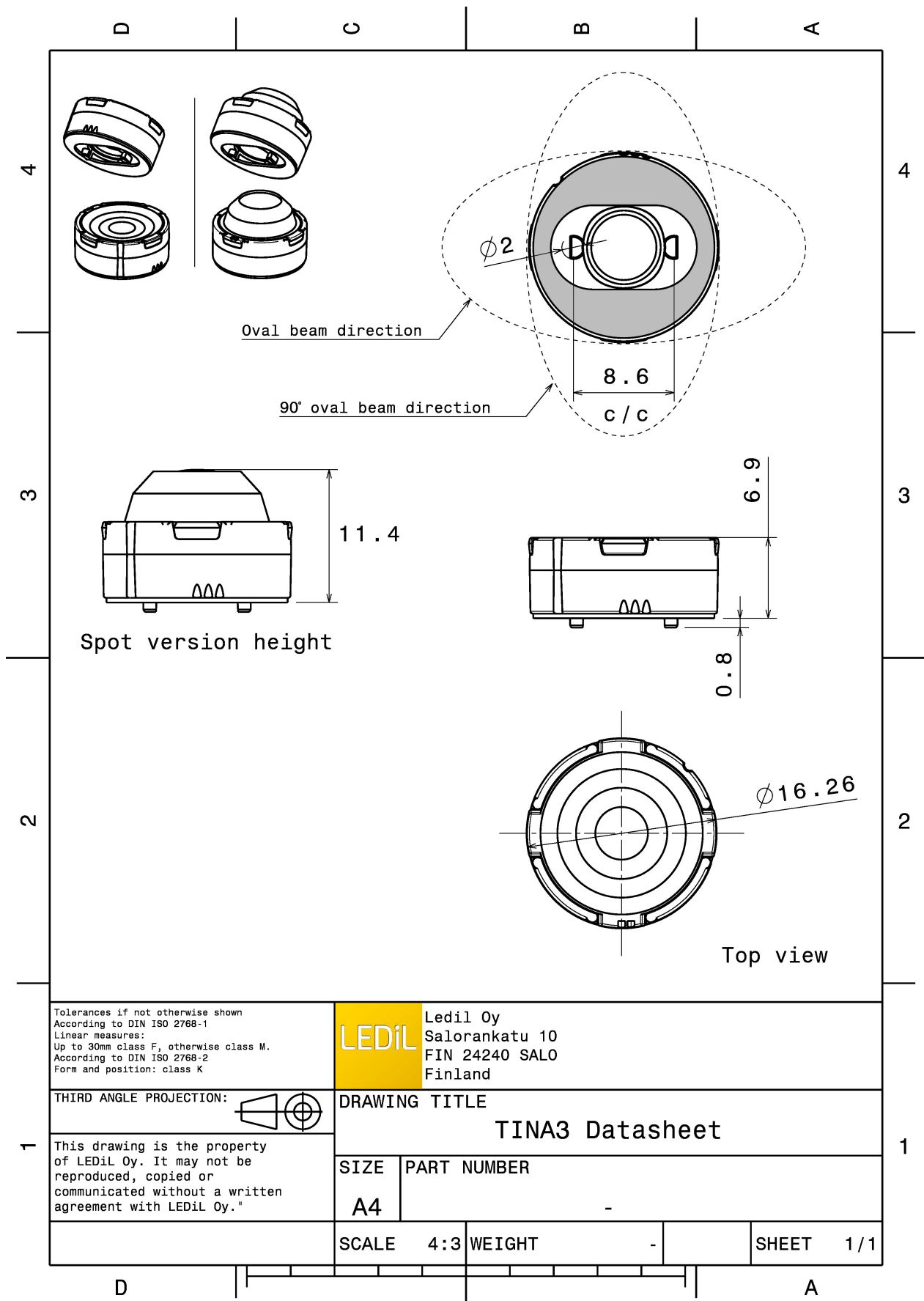


## MATERIALS:

Component	Type	Material	Colour	Finish
TINA3-WWW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12428_TINA3-WWW	Single lens	5750	230	230	8.2
» Box size: 451 x 241 x 298 mm					

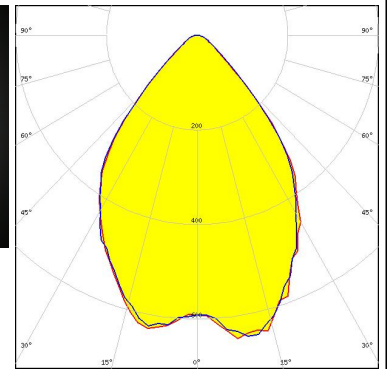
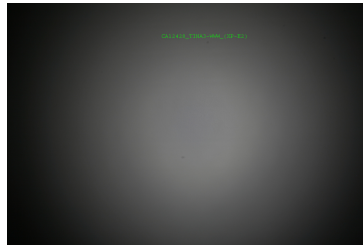


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

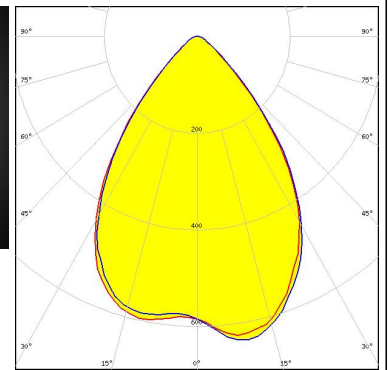
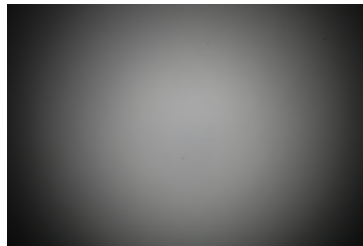
### OPTICAL RESULTS (MEASURED):



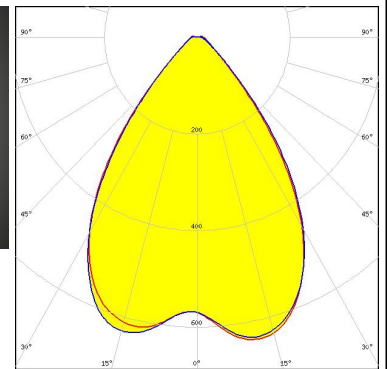
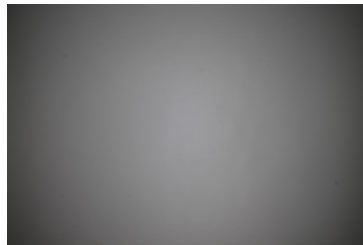
LED XP-E2  
FWHM / FWTM 77.0° / 106.0°  
Efficiency 88 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



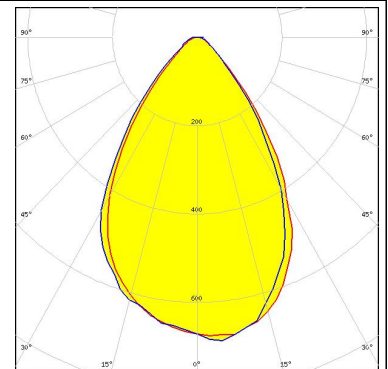
LED XP-G2  
FWHM / FWTM 76.0° / 108.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-L HI  
FWHM / FWTM 74.0° / 105.0°  
Efficiency 91 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



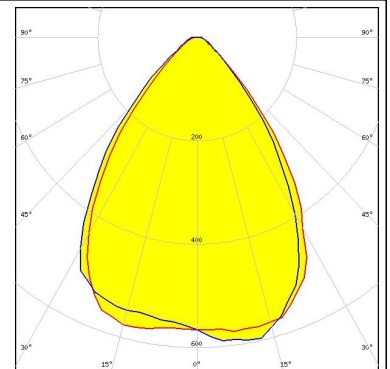
LED XT-E  
FWHM / FWTM 68.0° / 102.0°  
Efficiency 85 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

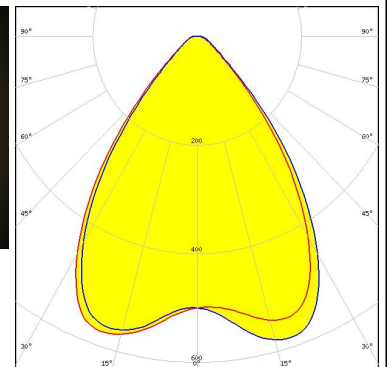
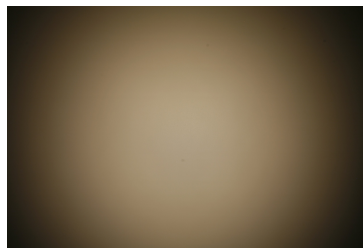
#### LUMILEDS

LED LUXEON A  
FWHM / FWTM 74.0° / 106.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



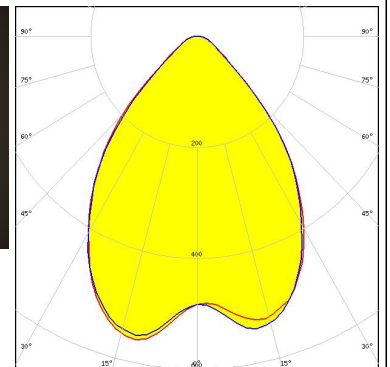
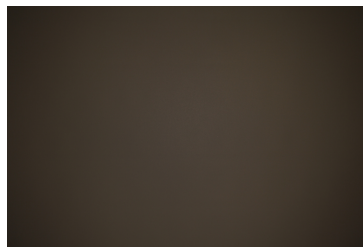
#### LUMILEDS

LED LUXEON T  
FWHM / FWTM 78.0° / 109.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



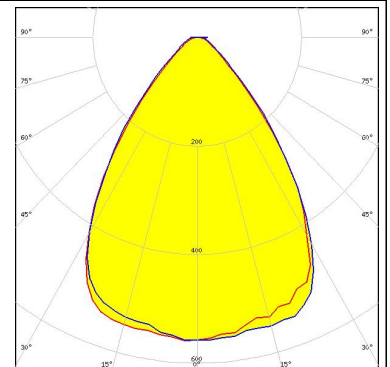
#### LUMILEDS

LED LUXEON TX  
FWHM / FWTM 79.0° / 115.0°  
Efficiency 87 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### NICHIA

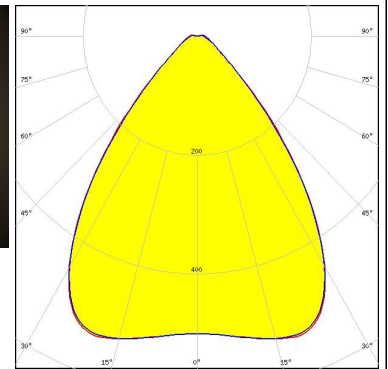
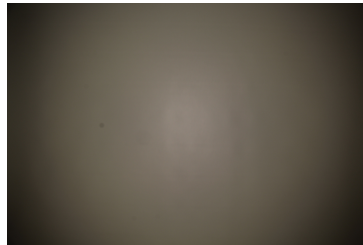
LED NVSxx19A  
FWHM / FWTM 75.0° / 106.0°  
Efficiency 83 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



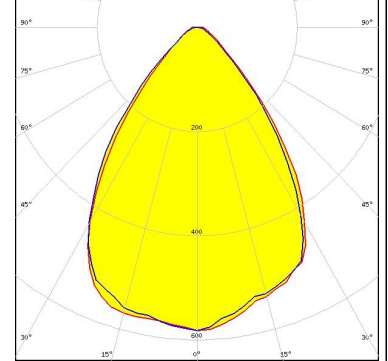
### OPTICAL RESULTS (MEASURED):



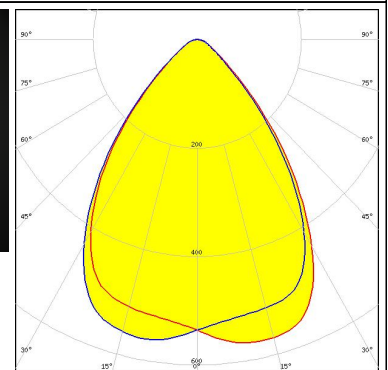
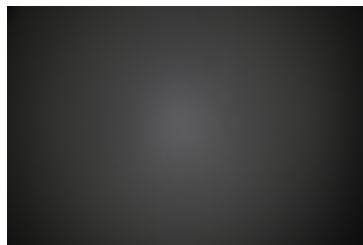
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 79.0° / 113.0°  
Efficiency 90 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



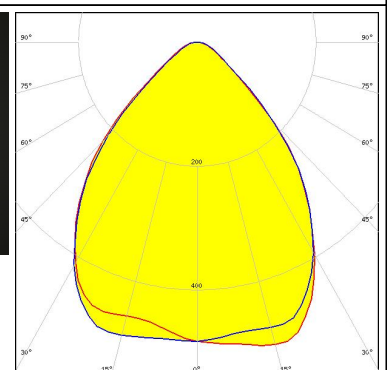
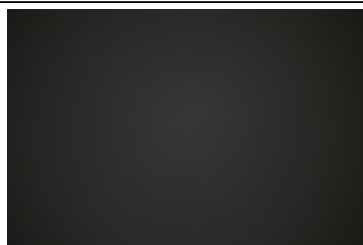
LED OSLOM Square EC  
FWHM / FWTM 75.0° / 110.0°  
Efficiency 84 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LH351B  
FWHM / FWTM 76.0° / 110.0°  
Efficiency 86 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



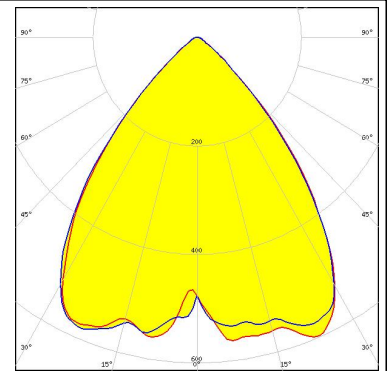
LED LH351Z  
FWHM / FWTM 85.0° / 121.0°  
Efficiency 87 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



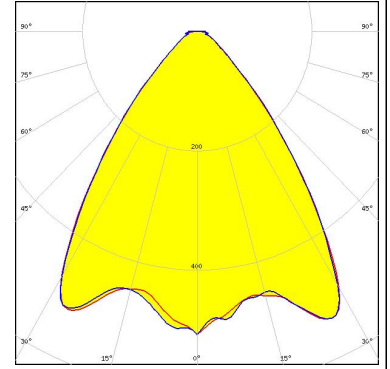
### OPTICAL RESULTS (SIMULATED):



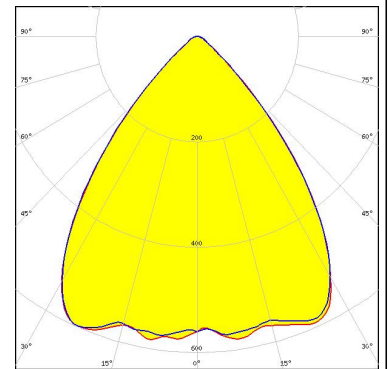
LED J Series 2835  
FWHM / FWTM 80.0° / 104.0°  
Efficiency 92 %  
Peak intensity 0.6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



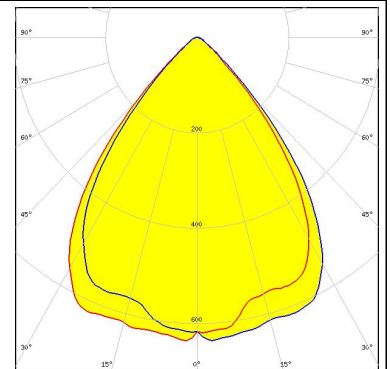
LED XB-D  
FWHM / FWTM 77.0° / 110.0°  
Efficiency 83 %  
Peak intensity 0.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 2835 Line  
FWHM / FWTM 80.0° / 103.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rebel  
FWHM / FWTM 78.0° / 101.0°  
Efficiency 93 %  
Peak intensity 0.7 cd/Im  
LEDs/each optic 1  
Light colour Green  
Required components:

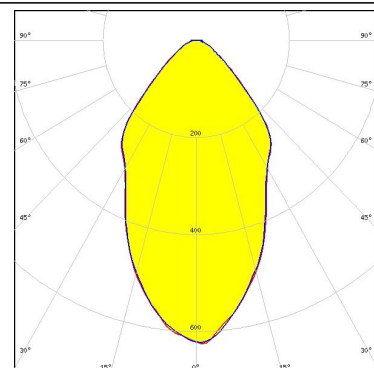




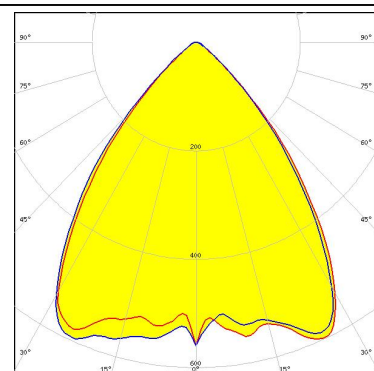
### OPTICAL RESULTS (SIMULATED):



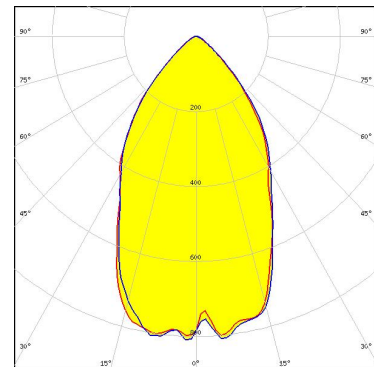
LED NCSxE17A  
FWHM / FWTM 58.0° / 114.0°  
Efficiency 80 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 4  
Light colour White  
Required components:



LED LM28xB Series  
FWHM / FWTM 80.0° / 104.0°  
Efficiency 92 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED Z5M1/Z5M2  
FWHM / FWTM 62.0° / 102.0°  
Efficiency 92 %  
Peak intensity 0.8 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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