

## TINA2-W

~45° wide beam optimized for Nichia NS6x83.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
ROHS compliant	yes ⓘ

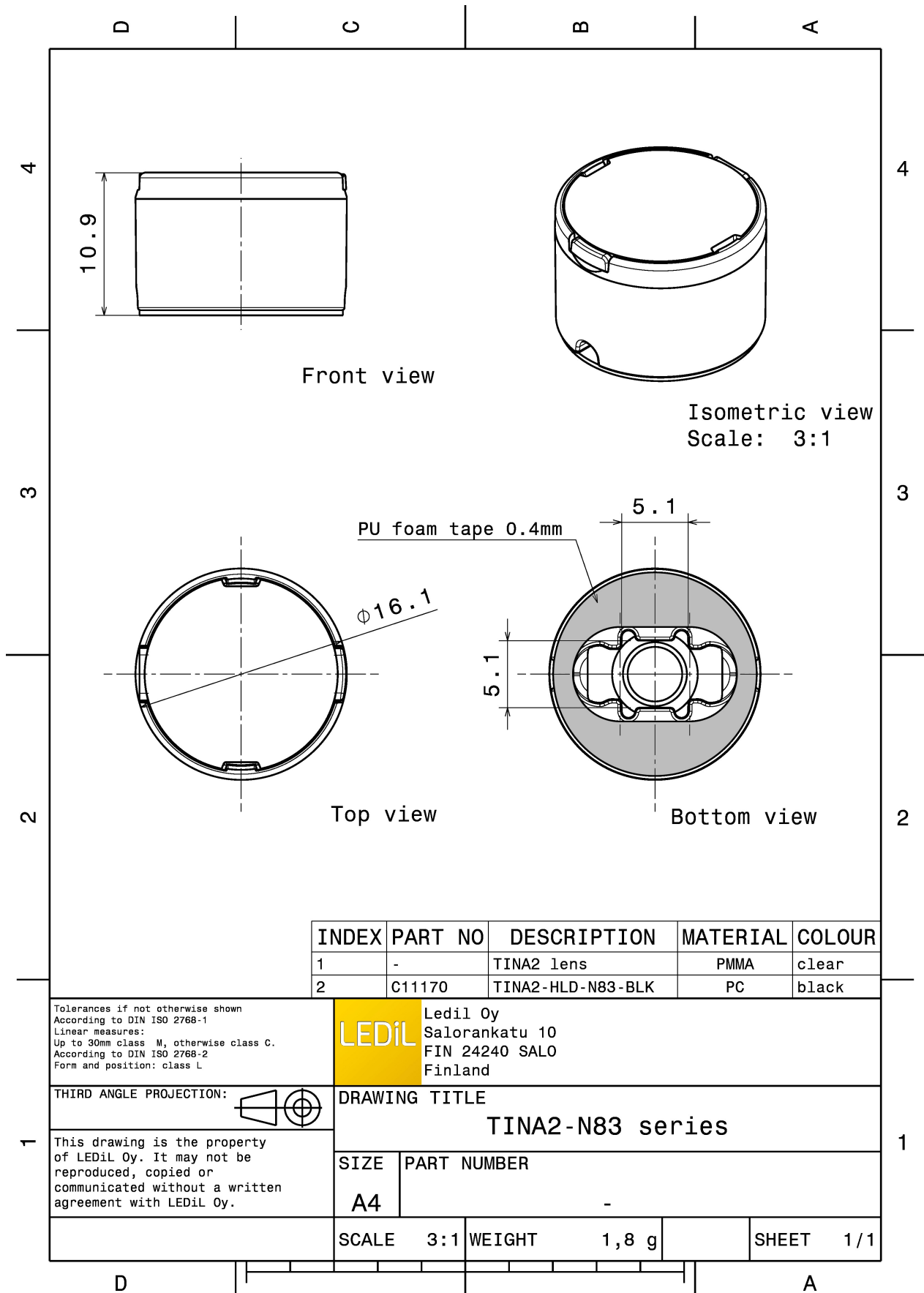
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-W	Single lens	PMMA		
TINA2-HLD-N83-BLK	Holder	PC		
TINA-TAPE3	Tape	PU tape		



### ORDERING INFORMATION:

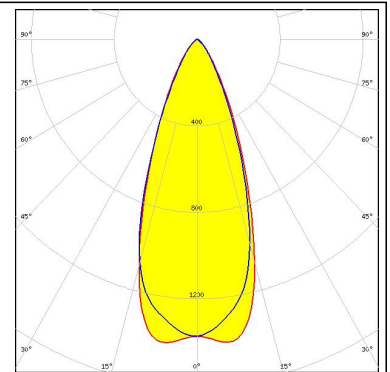
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11175_TINA2-W	Single lens	4140		230	0.0
» Box size: 451 x 241 x 298 mm					



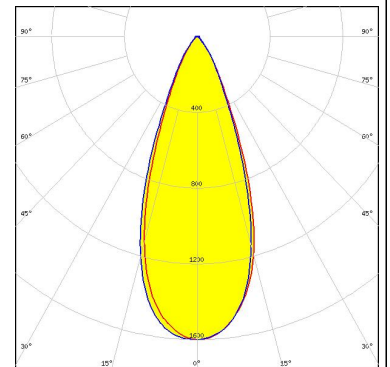
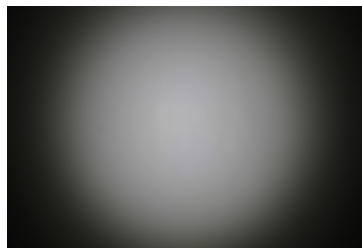
#### PHOTOMETRIC DATA (MEASURED):



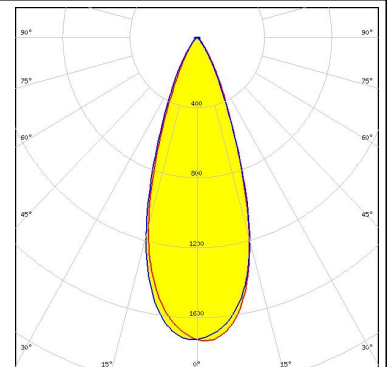
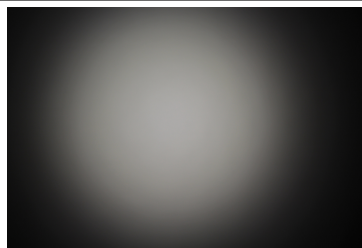
LED MX-6  
 FWHM 40.0°  
 Efficiency 87 %  
 Peak intensity 1.200 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



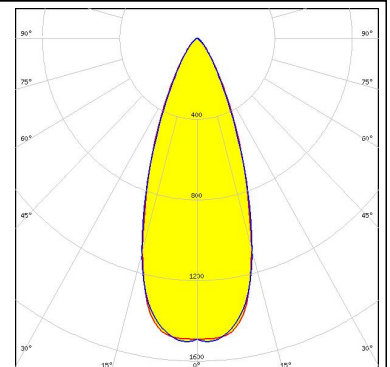
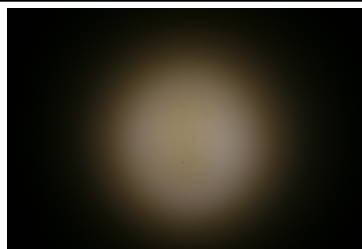
LED LUXEON 5050 Round LES  
 FWHM 40.0°  
 Efficiency 82 %  
 Peak intensity 1.600 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON V  
 FWHM 37.0°  
 Efficiency 79 %  
 Peak intensity 1.700 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



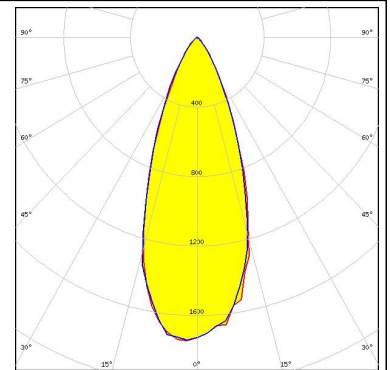
LED NS6x83  
 FWHM 36.0°  
 Efficiency 88 %  
 Peak intensity 1.500 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

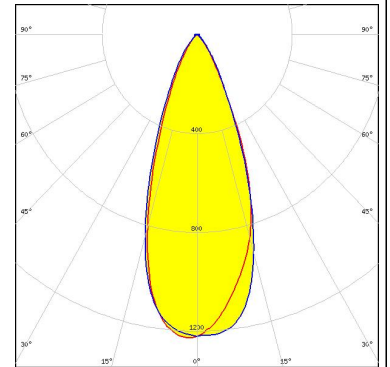
#### OPTIGAN

LED OLP-x5050F6L  
FWHM 39.0°  
Efficiency 88 %  
Peak intensity 1.700 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

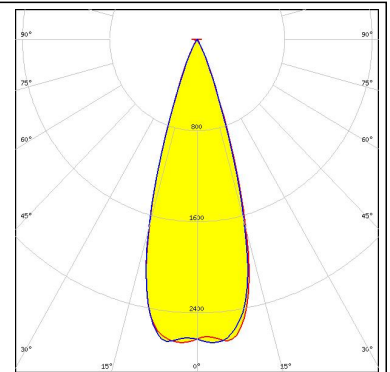
LED LH508A  
FWHM 39.0°  
Efficiency 61 %  
Peak intensity 1.200 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

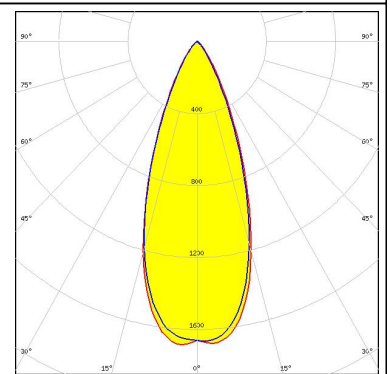
**CREE** 

LED XT-E  
FWHM 32.0°  
Efficiency 84 %  
Peak intensity 2.720 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM 39.0°  
Efficiency 86 %  
Peak intensity 1.690 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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