

## TINA2-D

~16° diffused spot beam optimized for Nichia NS6x83. Assembly with holder and installation tape.

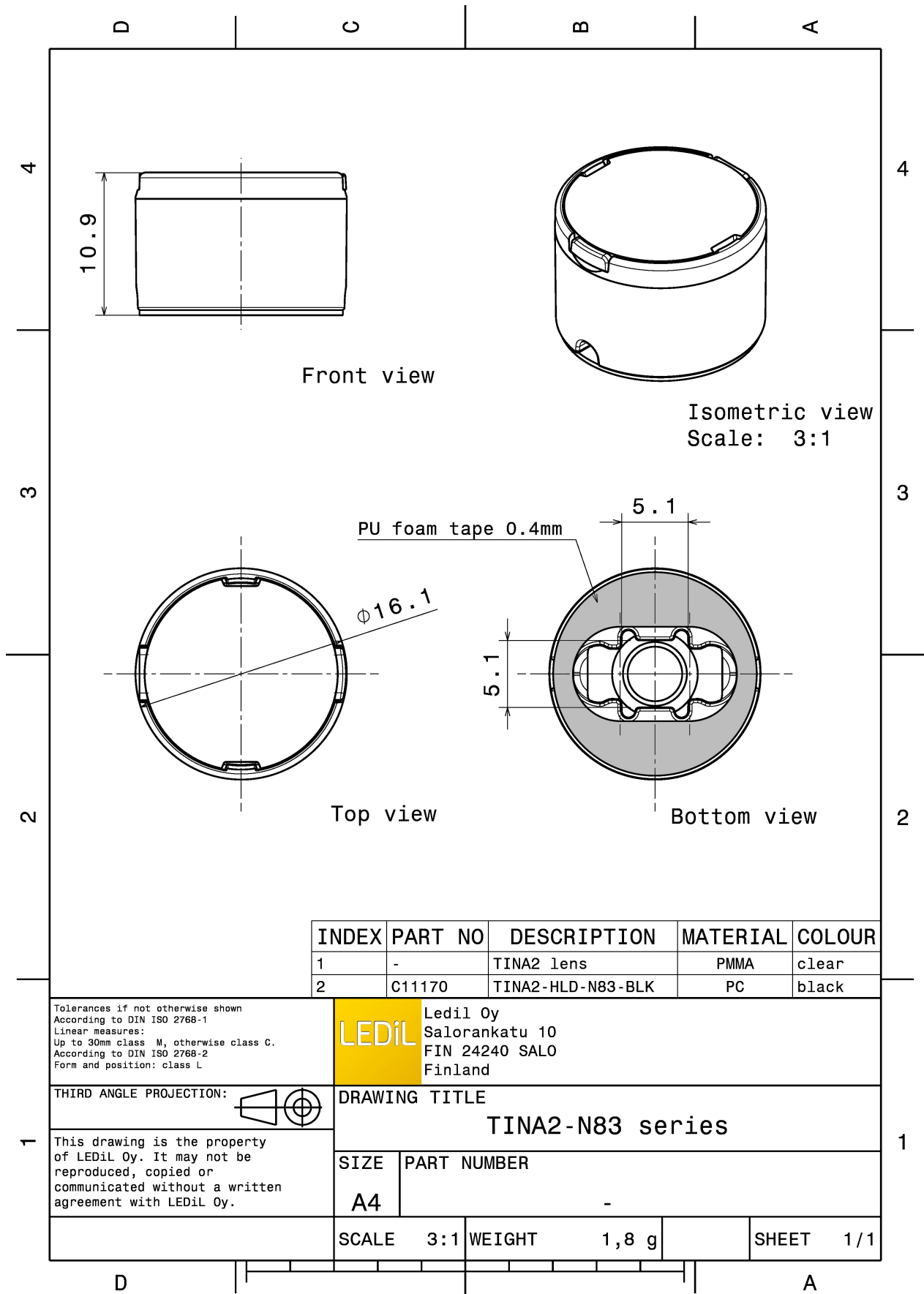
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	0 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

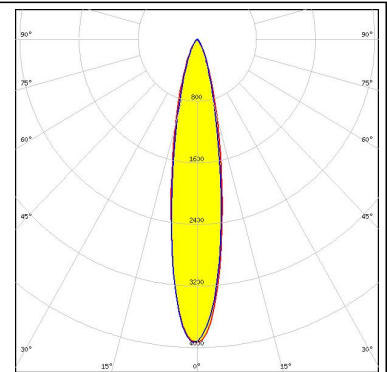
Component	Type	Material	Colour
TINA2-D	Lens	PMMA	clear
TINA2-HLD-N83-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



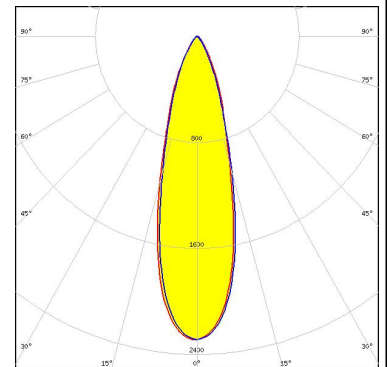
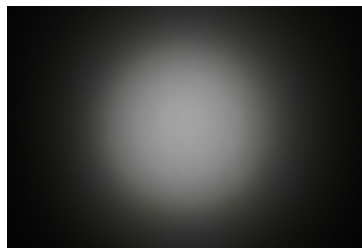
### PHOTOMETRIC DATA (MEASURED):



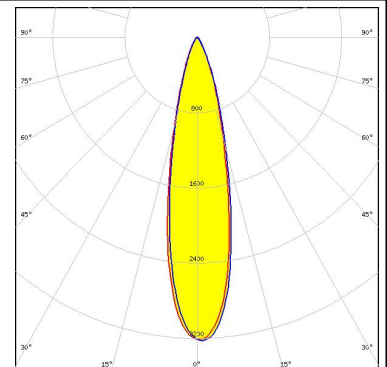
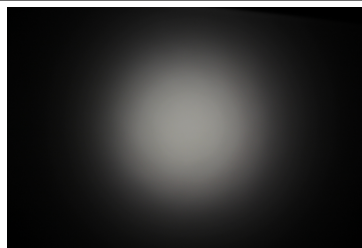
LED MX-6  
FWHM 20.0°  
Efficiency %  
Peak intensity 4.000 cd/lm  
Required components:



LED LUXEON 5050  
FWHM 28.0°  
Efficiency 82 %  
Peak intensity 2.300 cd/lm  
Required components:



LED LUXEON V  
FWHM 24.0°  
Efficiency 80 %  
Peak intensity 3.200 cd/lm  
Required components:

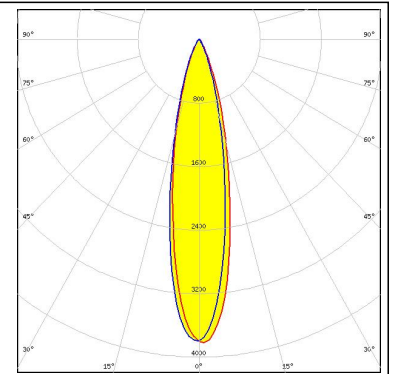
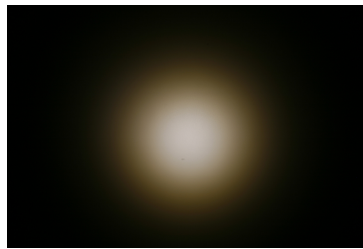


LED NS3x83  
FWHM 18.0°  
Efficiency 89 %  
Peak intensity cd/lm  
Required components:

### PHOTOMETRIC DATA (MEASURED):



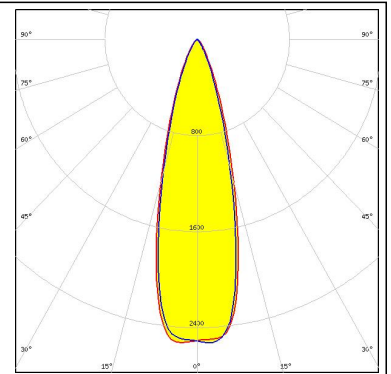
LED NS6x83  
FWHM 22.0°  
Efficiency 89 %  
Peak intensity 3.800 cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):

**OSRAM**  
Opto Semiconductors

LED Duris S8  
FWHM 28.0°  
Efficiency 83 %  
Peak intensity 2.550 cd/lm  
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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