

## TINA-RS

~13° spot beam optimized for Nichia NS6x83.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11.1 mm
Fastening	tape
ROHS compliant	yes ⓘ

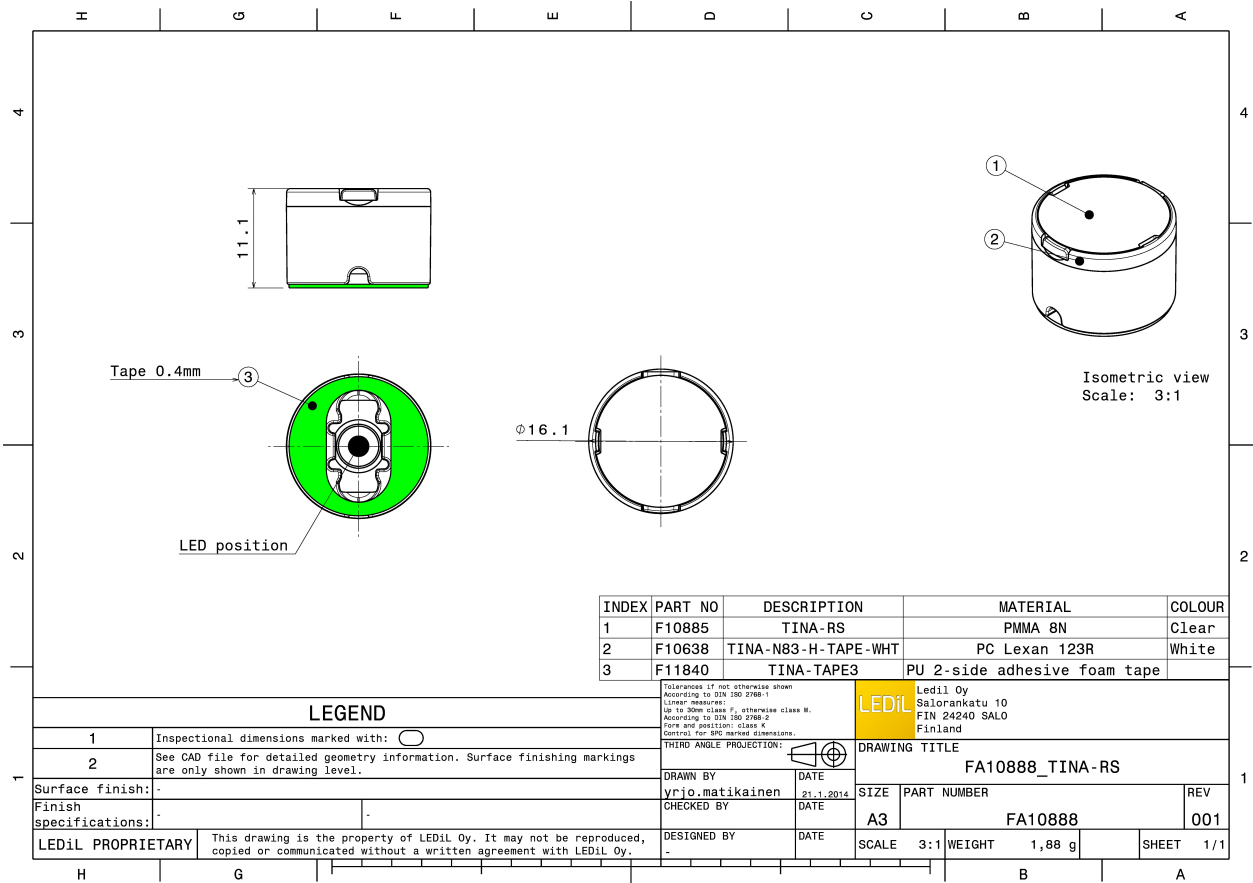
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-RS	Single lens	PMMA	clear	
TINA-N83-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10888_TINA-RS	Single lens	2016	288	144	4.1
» Box size: 470 x 240 x 105 mm					

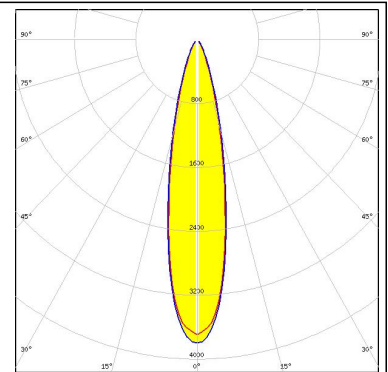
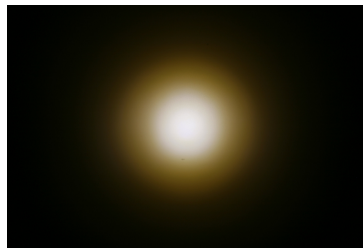




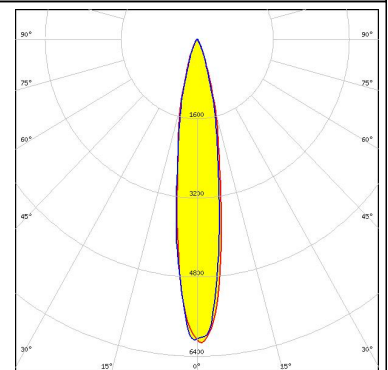
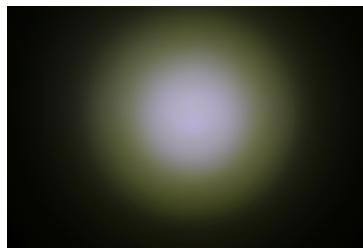
#### PHOTOMETRIC DATA (MEASURED):



LED MX-6  
 FWHM 14.0°  
 Efficiency 93 %  
 Peak intensity 7.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

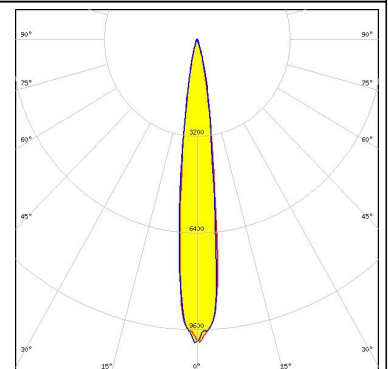
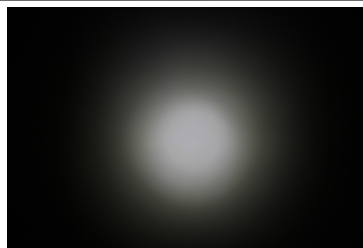


LED NS6x83  
 FWHM 17.0°  
 Efficiency 94 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



Leading Innovation >>>

LED TL1L4  
 FWHM 13.0°  
 Efficiency 90 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

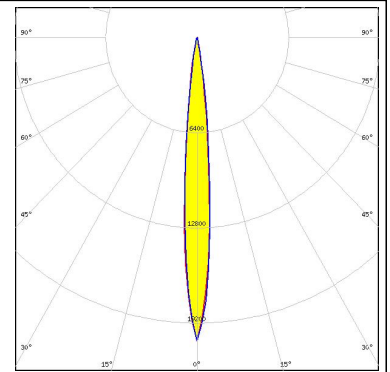


### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

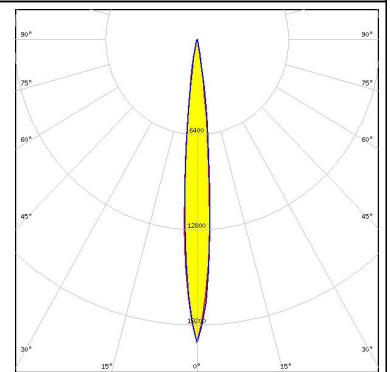
LED OSLON Black  
FWHM 10.0°  
Efficiency 89 %  
Peak intensity 20.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

Opto Semiconductors

LED SFH 4716AS  
FWHM 11.0°  
Efficiency 90 %  
Peak intensity 17.7 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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