

## TINA-RS

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

## SPECIFICATION:

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



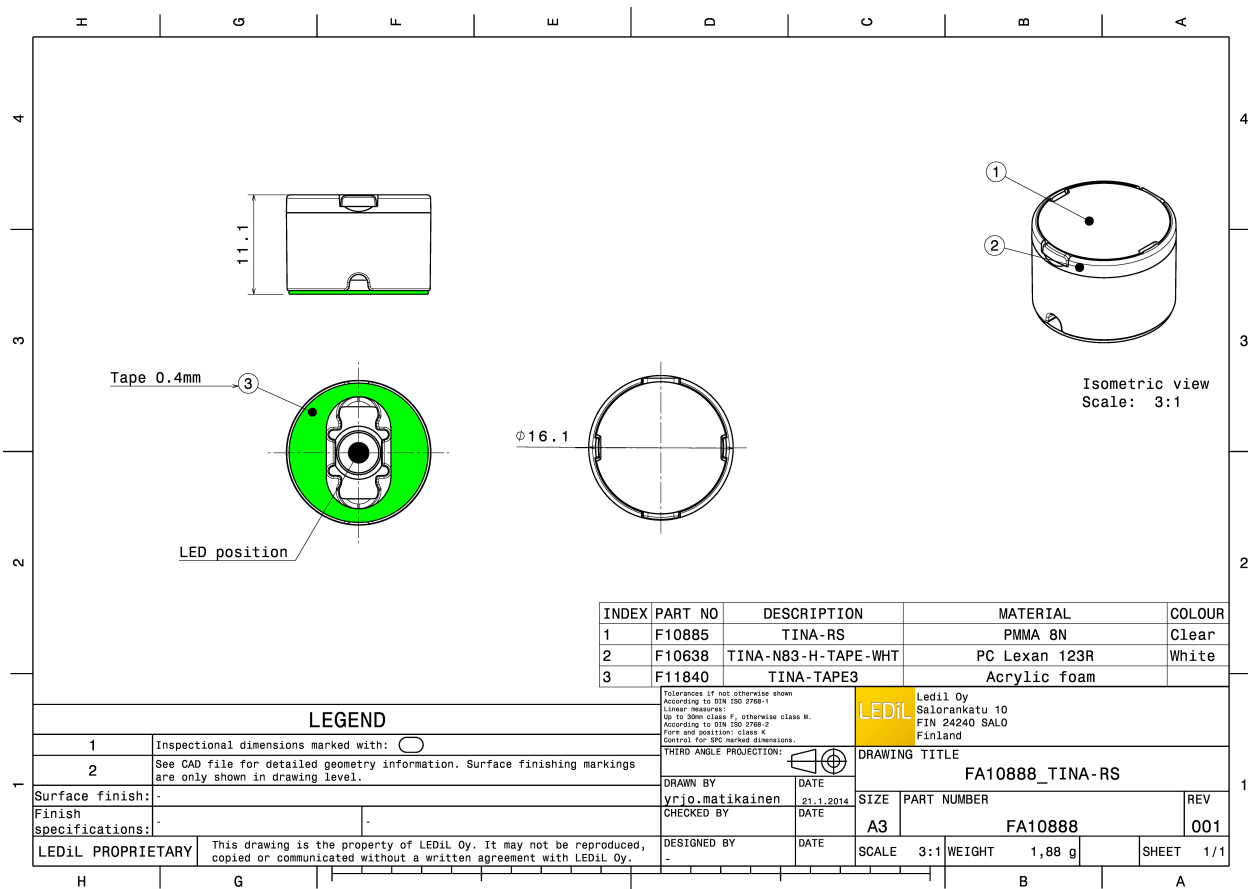
LEDiL

## MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-RS	Single lens	PMMA	clear		
TINA-N83-H-TAPE-WHT	Holder	PC	white		
TINA-TAPE3	Tape	Acrylic foam	black		

## ORDERING INFORMATION:

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

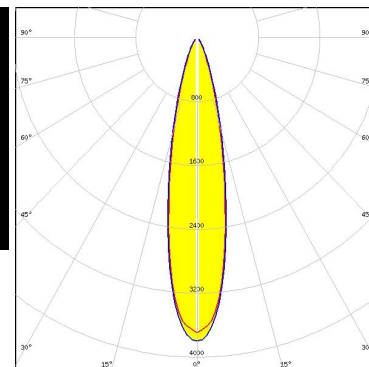


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



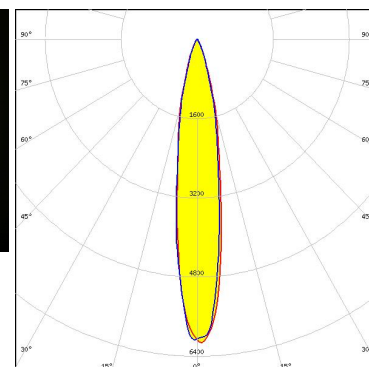
LED MX-6  
FWHM / FWTM 14.0° / 36.0°  
Efficiency 93 %  
Peak intensity 7.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



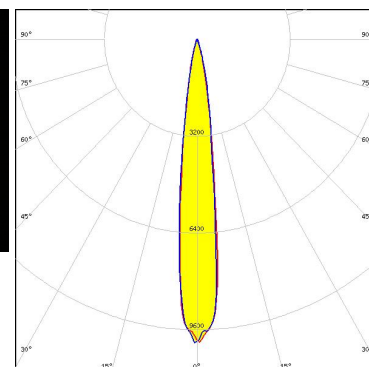
LED NS6x83  
FWHM / FWTM 17.0° / 39.0°  
Efficiency 94 %  
Peak intensity 6.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED TL1L4  
FWHM / FWTM 13.0° / 28.0°  
Efficiency 90 %  
Peak intensity 10 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

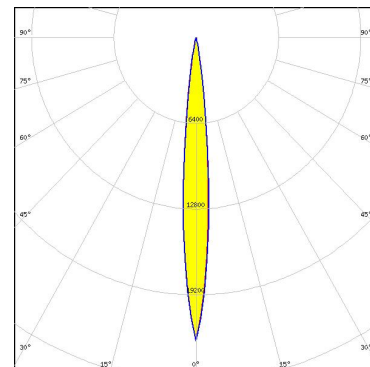


Light distribution files

### OPTICAL RESULTS (SIMULATED):



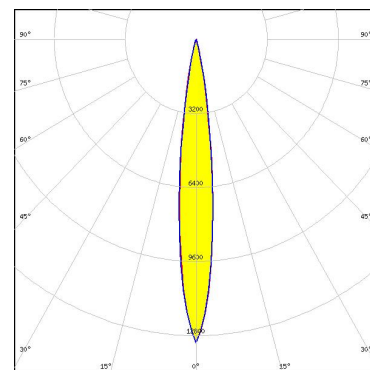
LED XP-E2  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 92 %  
Peak intensity 22.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



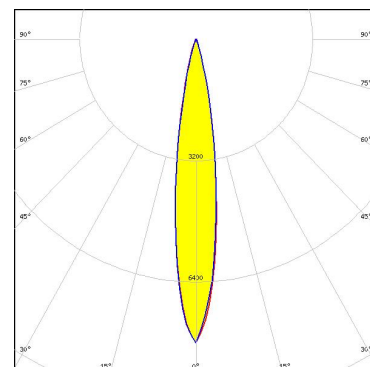
LED XP-G2  
FWHM / FWTM 14.0° / 25.0°  
Efficiency 92 %  
Peak intensity 13.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-G3  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 89 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

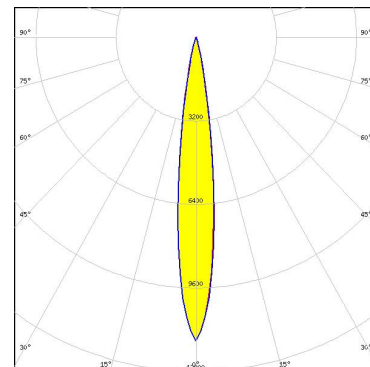


Light distribution files

### OPTICAL RESULTS (SIMULATED):



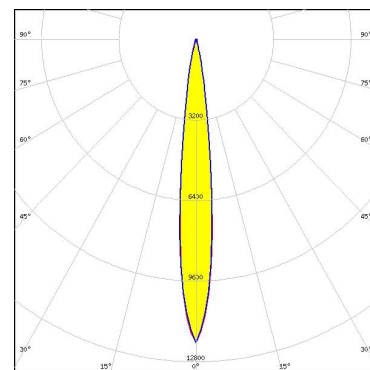
LED XP-L HI  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 93 %  
Peak intensity 11.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



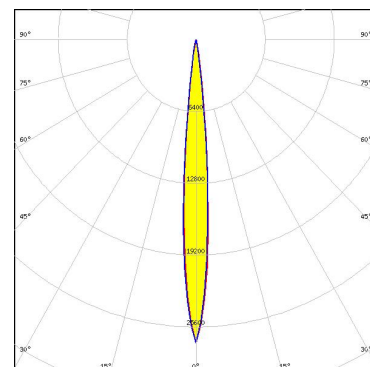
LED XT-E  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 86 %  
Peak intensity 12.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON CZ  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 92 %  
Peak intensity 27 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:

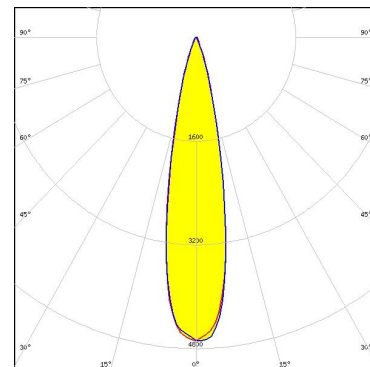


Light distribution files

### OPTICAL RESULTS (SIMULATED):



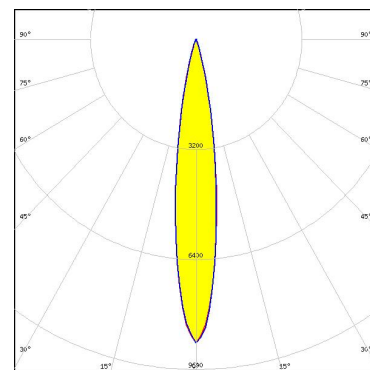
LED NV4WB35AM  
FWHM / FWTM 22.0° / 40.0°  
Efficiency 90 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



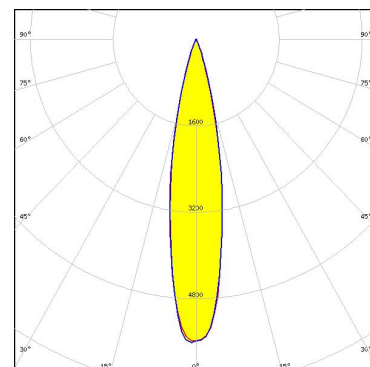
LED NVSW219F  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 92 %  
Peak intensity 8.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NVSW519A  
FWHM / FWTM 20.0° / 37.0°  
Efficiency 88 %  
Peak intensity 5.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

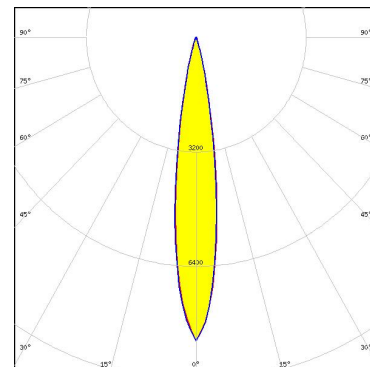


Light distribution files

### OPTICAL RESULTS (SIMULATED):



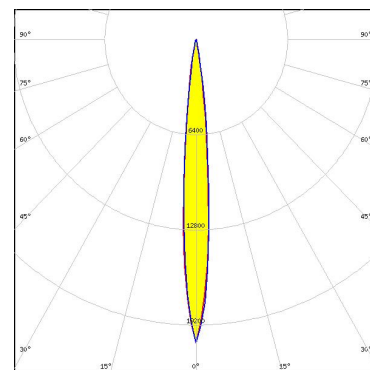
LED NVSxx19B/NVSxx19C  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 88 %  
Peak intensity 8.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



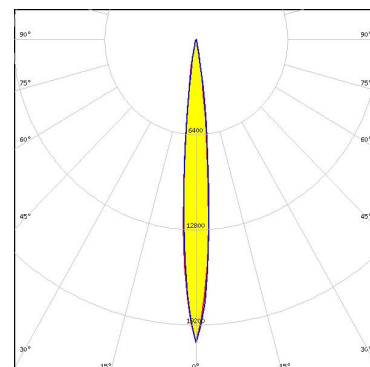
LED OSLOM Black  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 89 %  
Peak intensity 20.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED SFH 4716AS  
FWHM / FWTM 11.0° / 21.0°  
Efficiency 90 %  
Peak intensity 17.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

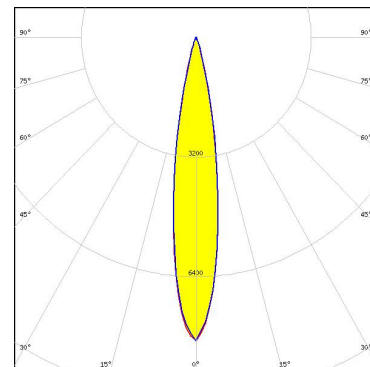


Light distribution files

## OPTICAL RESULTS (SIMULATED):

## SAMSUNG

LED	LH351C
FWHM / FWTM	18.0° / 32.0°
Efficiency	94 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



### 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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