

## TINA-M

~30° medium beam optimized for Nichia NS6x83.  
Assembly with holder and installation tape.

### SPECIFICATION:

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

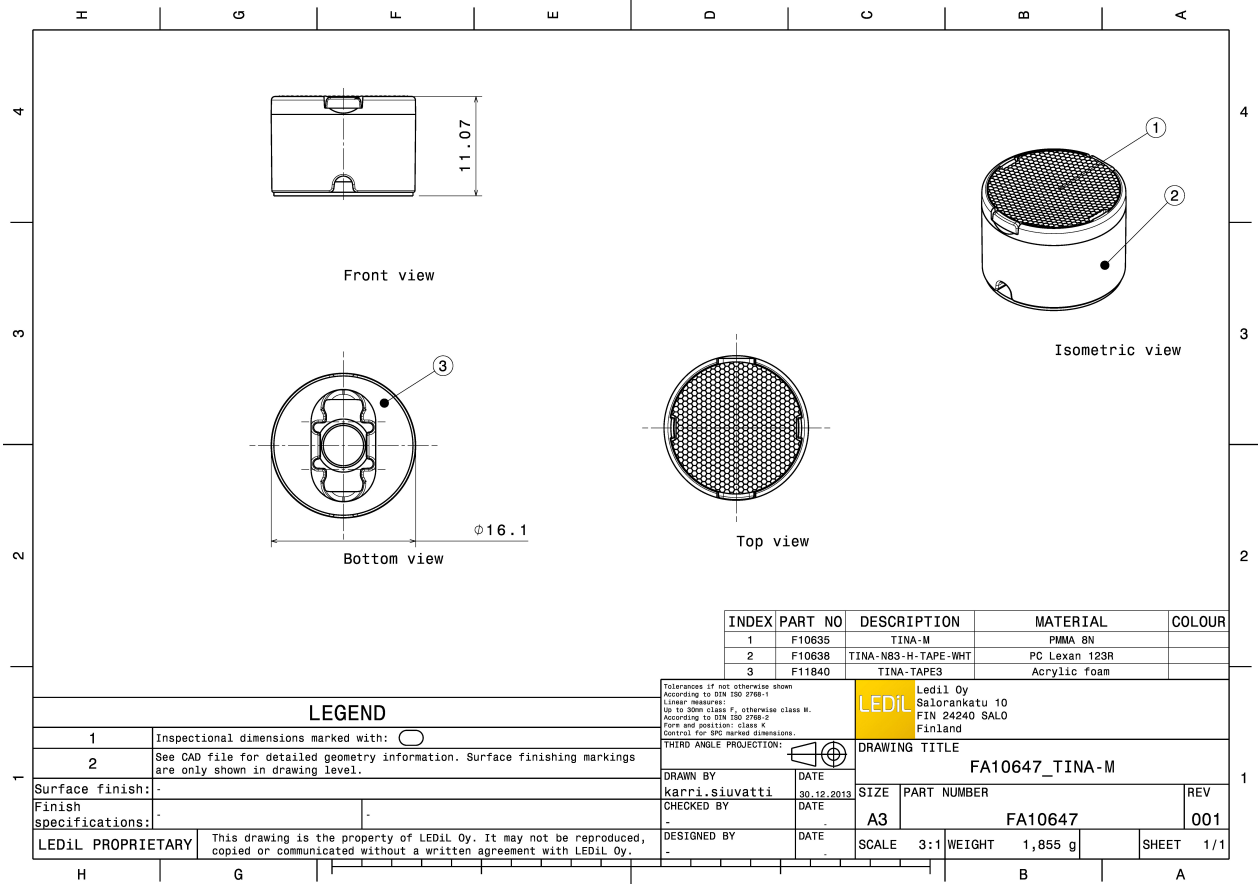


### MATERIALS:

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

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA10647_TINA-M » Box size:	2016	288	144	6.0

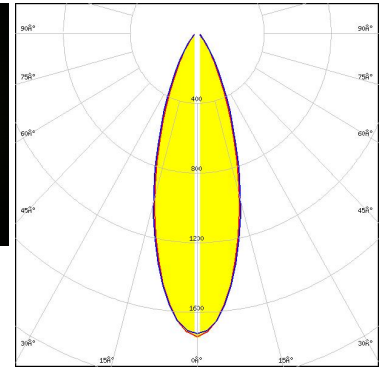


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



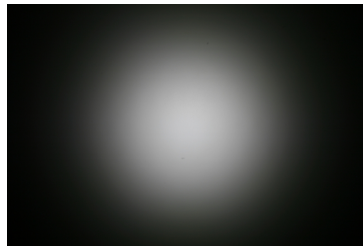
LED MX-6  
FWHM / FWTM 33.0° / 68.0°  
Efficiency 87 %  
Peak intensity 2.1 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED NS6x83  
FWHM / FWTM 32.0° / 68.0°  
Efficiency 87 %  
Peak intensity 2.2 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

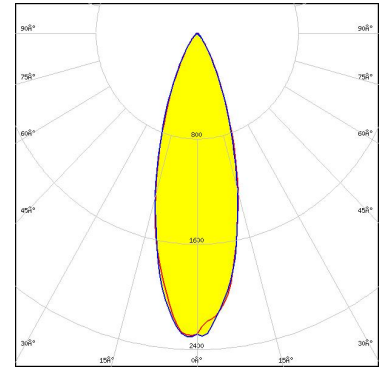


Light distribution files

### OPTICAL RESULTS (SIMULATED):



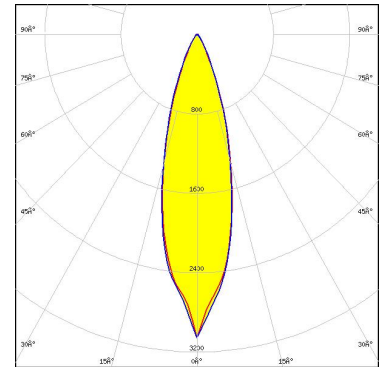
LED XHP35 HD  
FWHM / FWTM 32.0° / 63.0°  
Efficiency 93 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



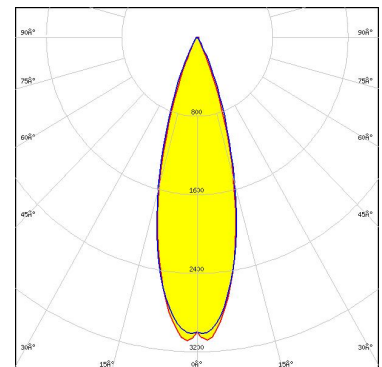
LED XHP35 HI  
FWHM / FWTM 28.0° / 54.0°  
Efficiency 92 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-E2  
FWHM / FWTM 30.0° / 52.0°  
Efficiency 92 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

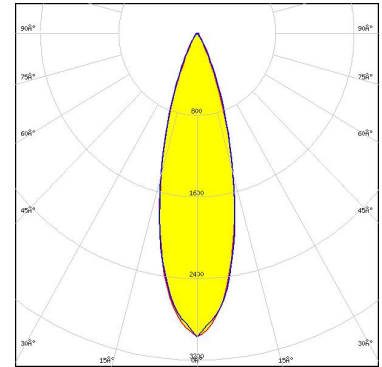


Light distribution files

### OPTICAL RESULTS (SIMULATED):



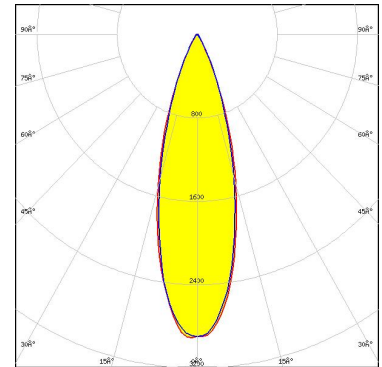
LED XP-L HI  
 FWHM / FWTM 29.0° / 53.0°  
 Efficiency 92 %  
 Peak intensity 3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



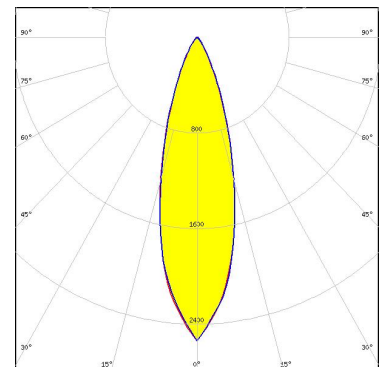
LED NVSW219F  
 FWHM / FWTM 30.0° / 54.0°  
 Efficiency 92 %  
 Peak intensity 2.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW519A  
 FWHM / FWTM 30.0° / 58.0°  
 Efficiency 87 %  
 Peak intensity 2.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

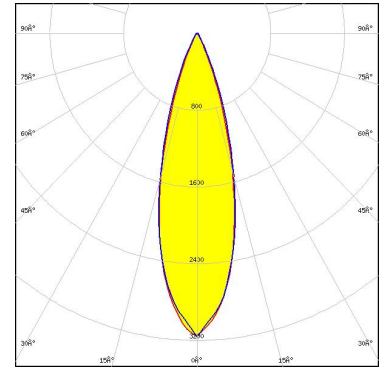


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

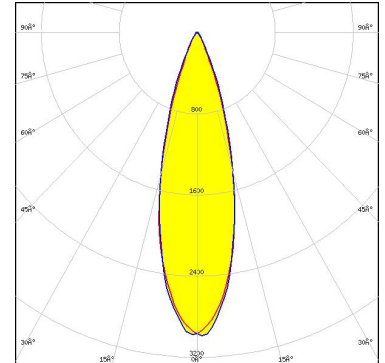
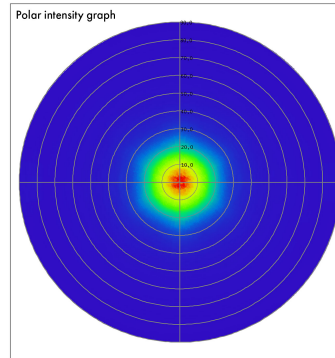
LED OSLON Boost HX (KW CULPM1.TG)  
 FWHM / FWTM 29.0° / 51.0°  
 Efficiency 92 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4715AS  
 FWHM / FWTM 28.0° / 52.0°  
 Efficiency 91 %  
 LEDs/each optic 1  
 Light colour/type IR  
 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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