

## TINA-D

~16° diffused spot 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 ⓘ

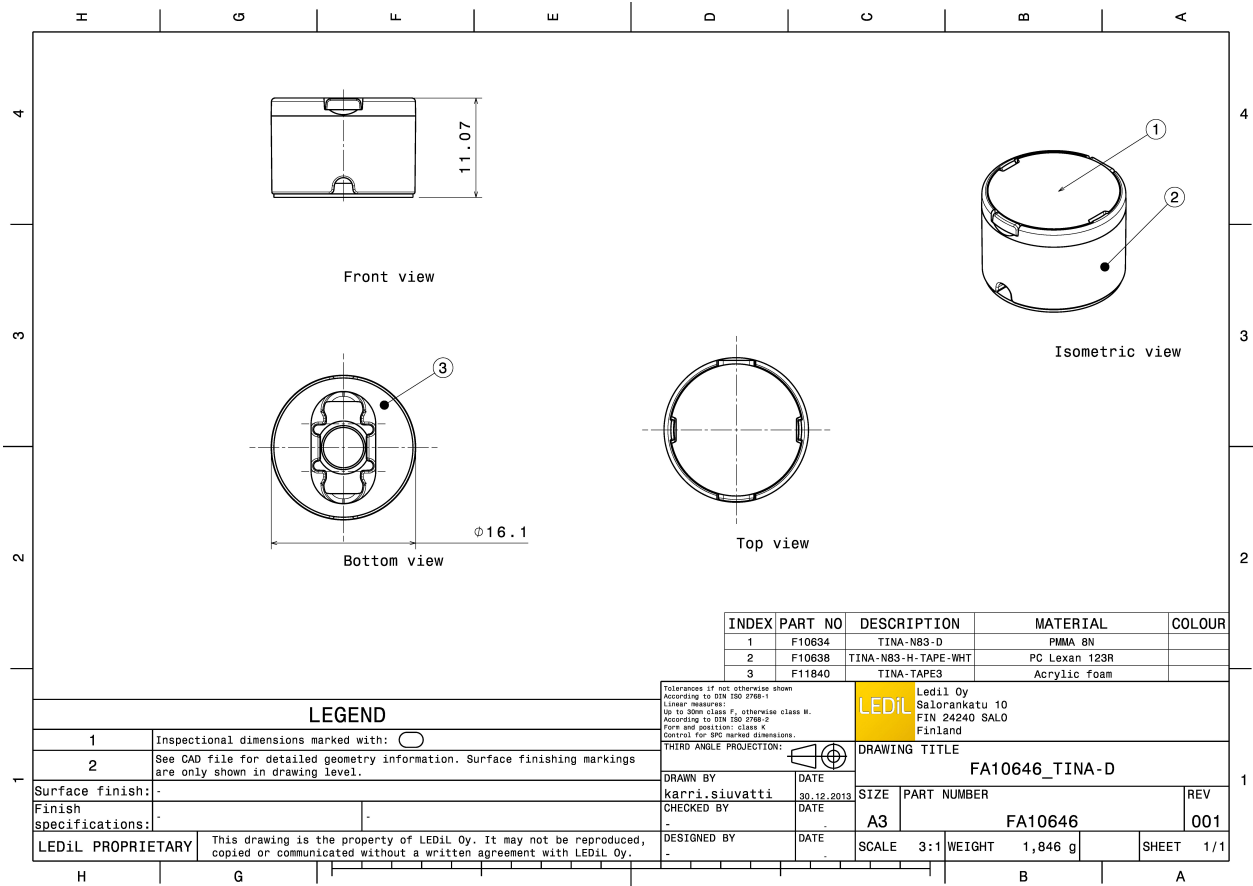


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-N83-D	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)
FA10646_TINA-D	2016	288	144	4.0
» Box size:				



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

## OPTICAL RESULTS (MEASURED):



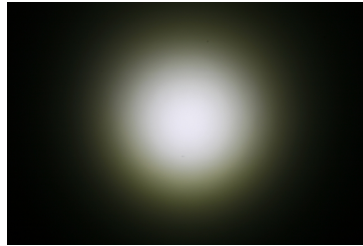
LED MX-6  
FWHM / FWTM 19.0° / 48.0°  
Efficiency 91 %  
Peak intensity 4.8 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:



[Light distribution files](#)



LED NS6x83  
FWHM / FWTM 23.0° / 50.0°  
Efficiency 92 %  
Peak intensity 4.1 cd/m  
LEDs/each optic 1  
Light colour/type White  
Required components:

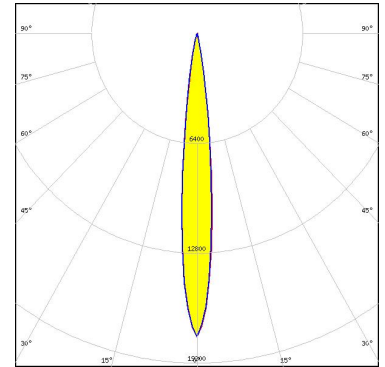


[Light distribution files](#)

### OPTICAL RESULTS (SIMULATED):



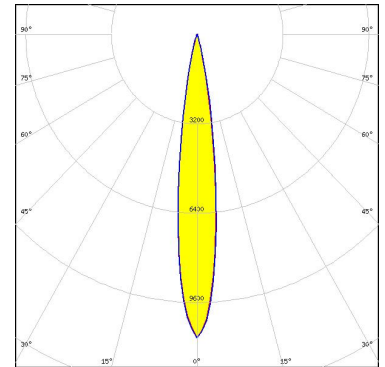
LED XP-E2  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 92 %  
Peak intensity 17.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



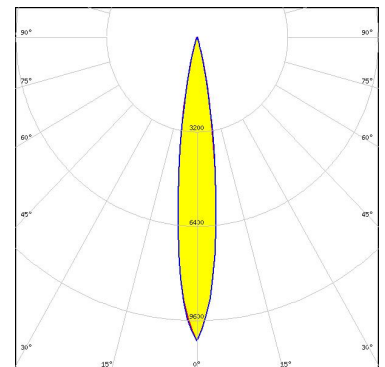
LED XP-G2  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 92 %  
Peak intensity 10.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L HI  
FWHM / FWTM 14.0° / 28.0°  
Efficiency 93 %  
Peak intensity 10.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

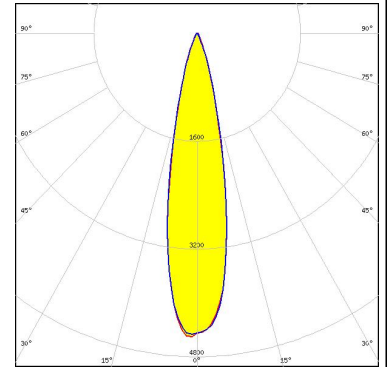


Light distribution files

### OPTICAL RESULTS (SIMULATED):



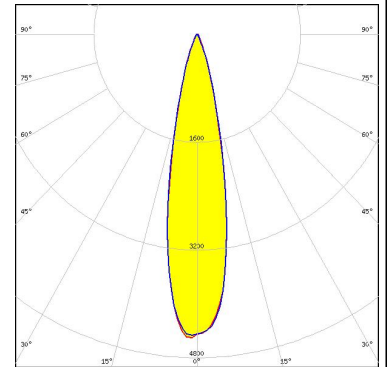
LED NV4WB35AM  
FWHM / FWTM 22.0° / 41.0°  
Efficiency 90 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



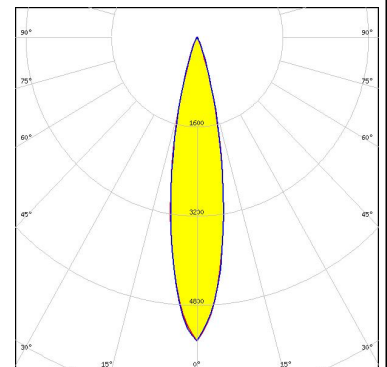
LED NV4WB35AM  
FWHM / FWTM 22.0° / 41.0°  
Efficiency 90 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

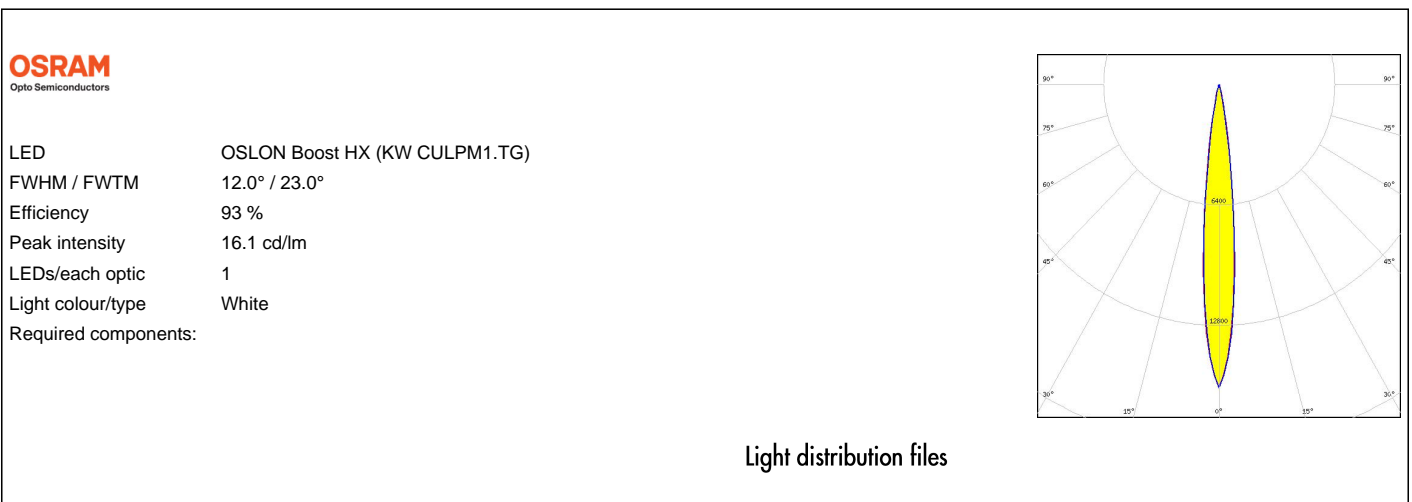
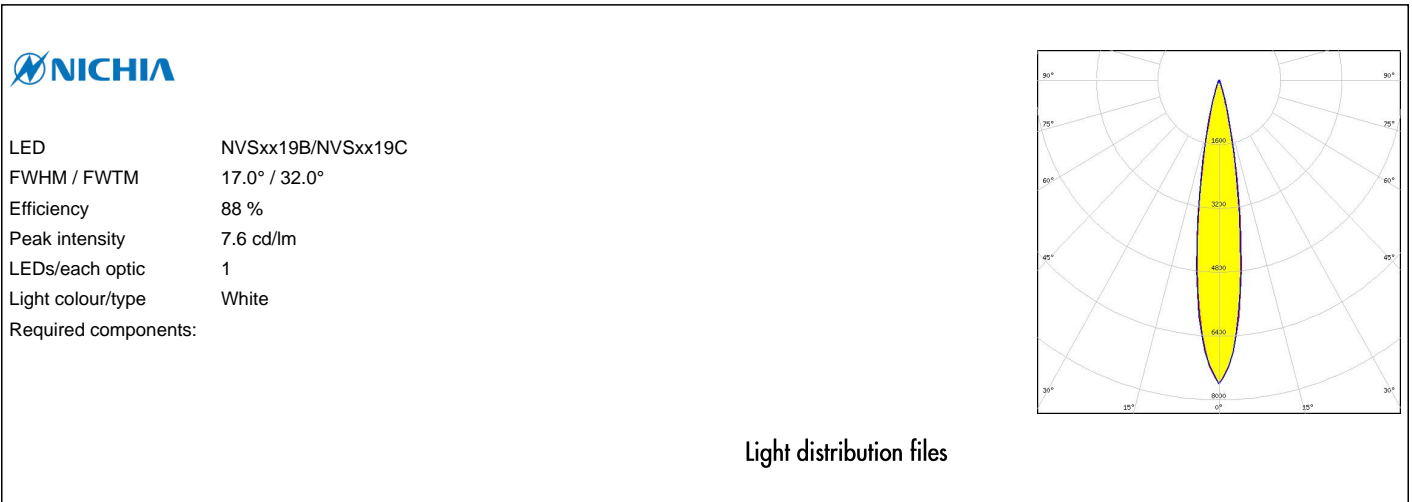


LED NVSW519A  
FWHM / FWTM 20.0° / 38.0°  
Efficiency 88 %  
Peak intensity 5.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### OPTICAL RESULTS (SIMULATED):



### 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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