

TINA-RS

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



SPECIFICATION:

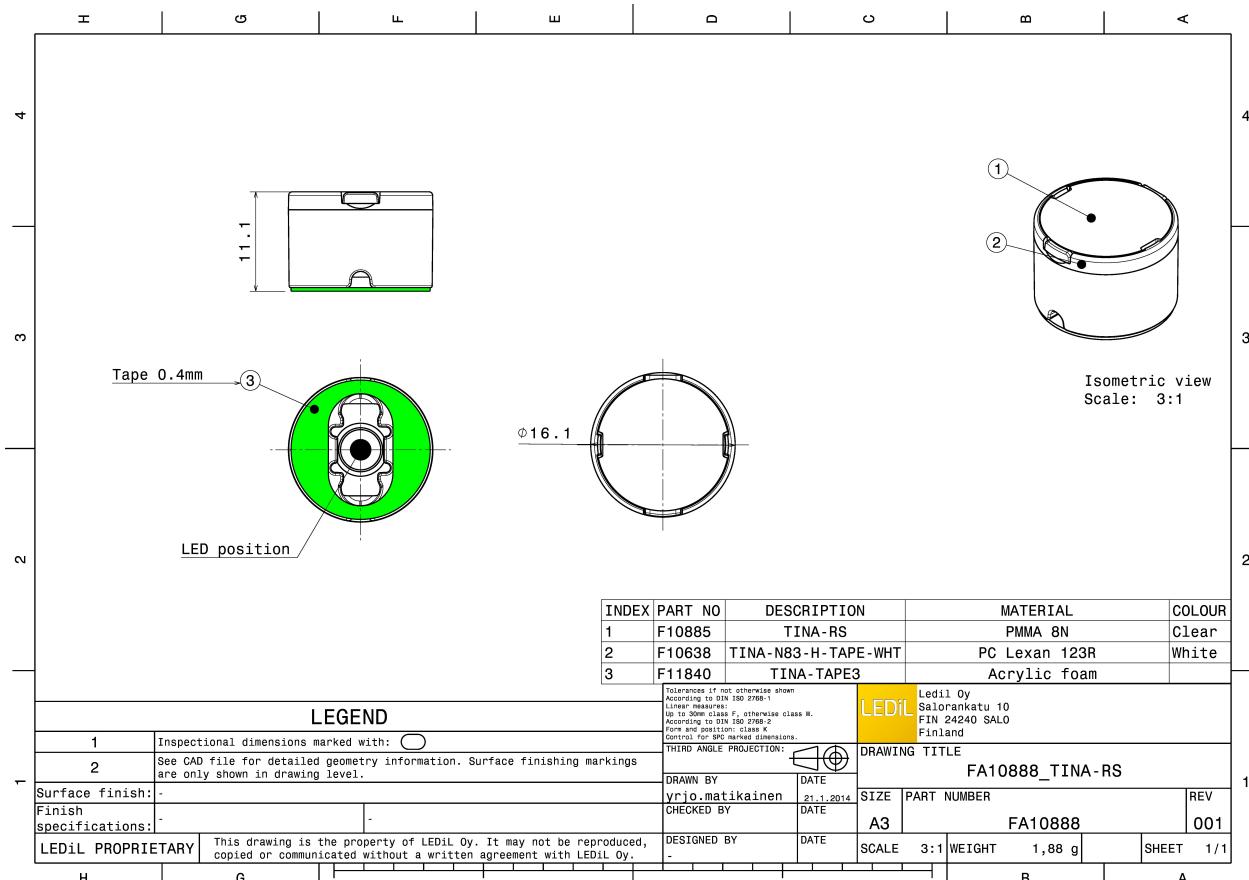
Dimensions	Ø 16.1 mm
Height	11.1 mm
Fastening	tape
ROHS compliant	yes 

MATERIALS:

Component	Type	Material	Colour	Finish
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	Single lens	2016	288	144

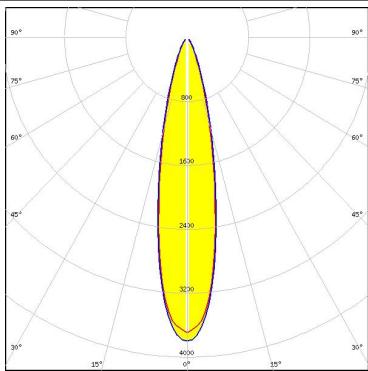


See also our general installation guide: www.ledil.com/installation_guide

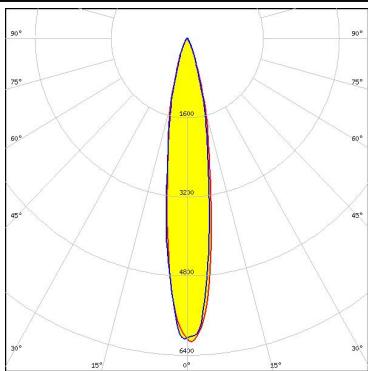
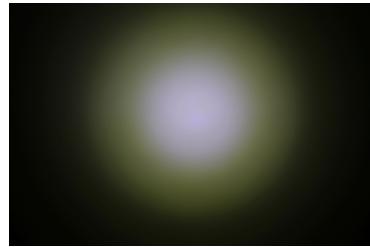
OPTICAL RESULTS (MEASURED):



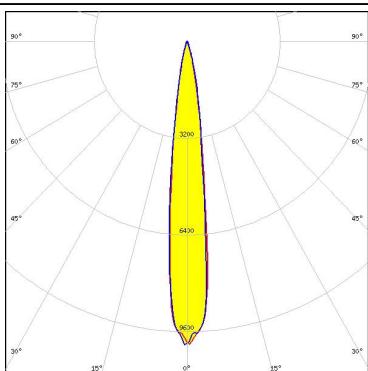
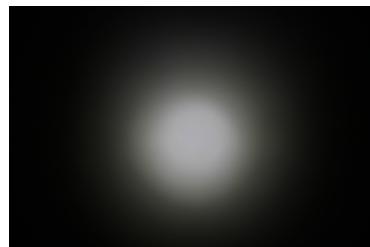
LED MX-6
FWHM / FWTM 14.0° / 36.0°
Efficiency 93 %
Peak intensity 7.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



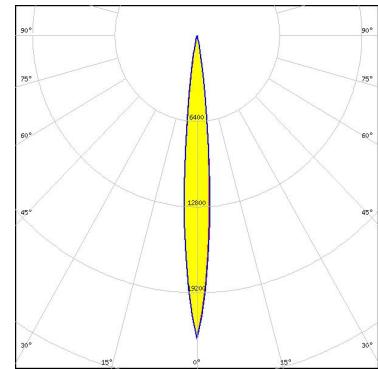
Leading Innovation »
LED TL1L4
FWHM / FWTM 13.0° / 28.0°
Efficiency 90 %
Peak intensity 10 cd/lm
LEDs/each optic 1
Light colour White
Required components:



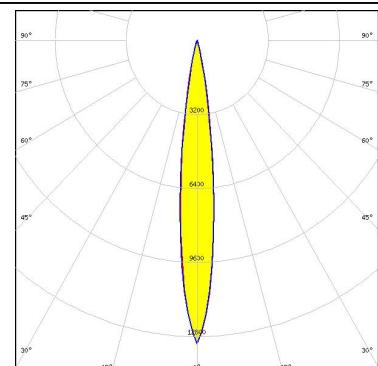
OPTICAL RESULTS (SIMULATED):



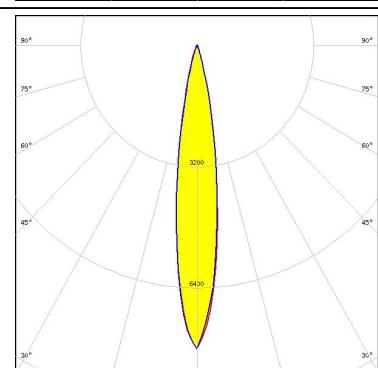
LED XP-E2
FWHM / FWTM 10.0° / 20.0°
Efficiency 92 %
Peak intensity 22.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



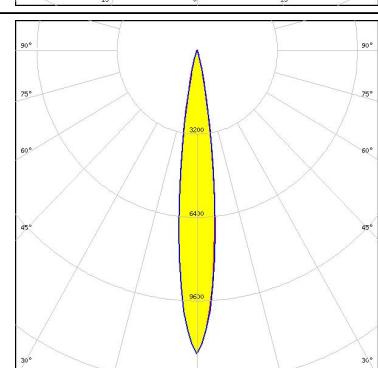
LED XP-G2
FWHM / FWTM 14.0° / 25.0°
Efficiency 92 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



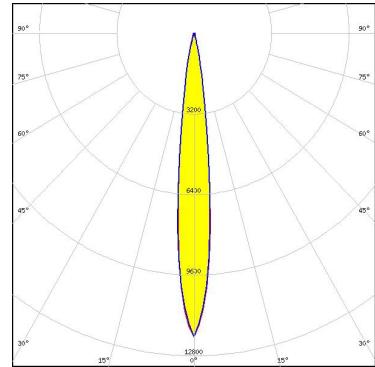
LED XP-L HI
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 11.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



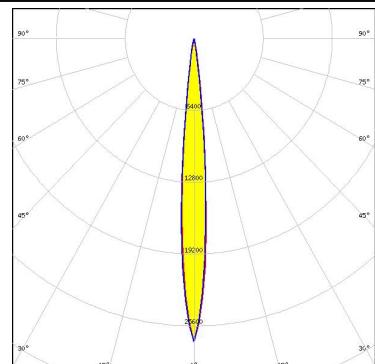
OPTICAL RESULTS (SIMULATED):



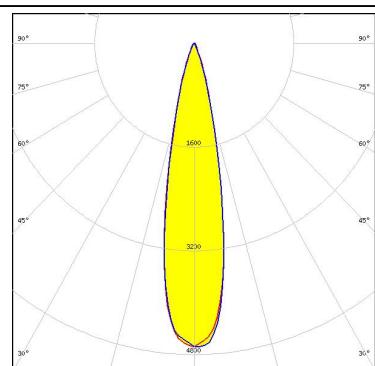
LED XT-E
FWHM / FWTM 12.0° / 24.0°
Efficiency 86 %
Peak intensity 12.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



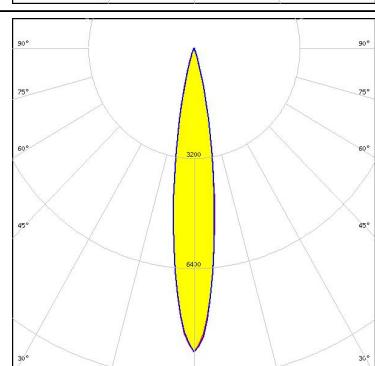
LED LUXEON CZ
FWHM / FWTM 10.0° / 18.0°
Efficiency 92 %
Peak intensity 27 cd/lm
LEDs/each optic 1
Light colour Red
Required components:



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



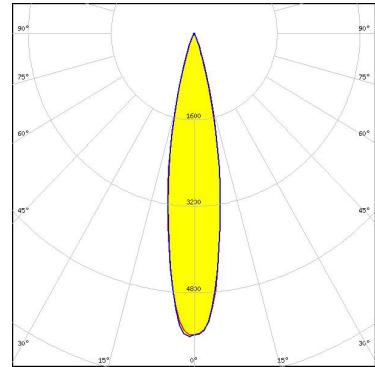
LED NVSW219F
FWHM / FWTM 16.0° / 30.0°
Efficiency 92 %
Peak intensity 8.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



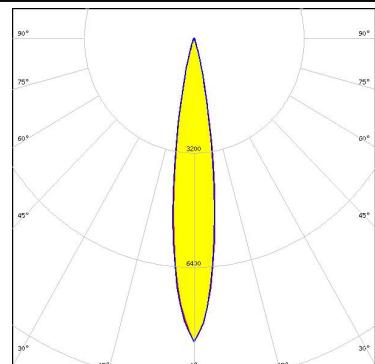
OPTICAL RESULTS (SIMULATED):



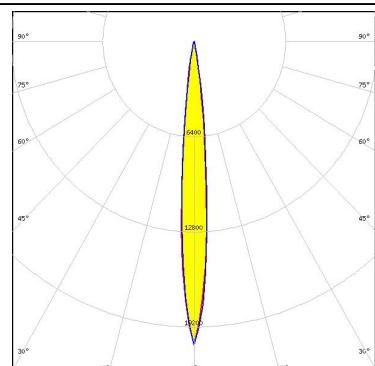
LED NVSW519A
FWHM / FWTM 20.0° / 37.0°
Efficiency 88 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



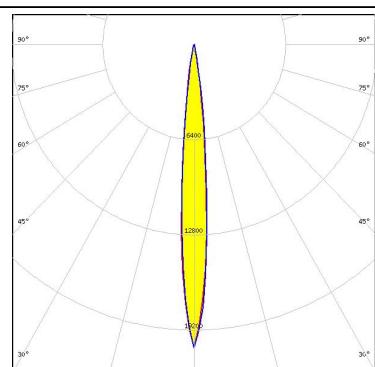
LED NSxx19B/NVSxx19C
FWHM / FWTM 16.0° / 30.0°
Efficiency 88 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



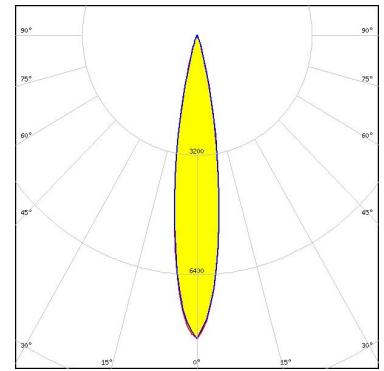
OSRAM
Opto Semiconductors
LED SFH 4716AS
FWHM / FWTM 11.0° / 21.0°
Efficiency 90 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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 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:

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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