

#### TINA2-RS

~14° spot beam optimized for Nichia NS6x83. Assembly with holder and installation tape.

#### **SPECIFICATION:**

Dimensions	Ø 16.1 mm
Height	11 mm
Fastening	tape
ROHS compliant	yes 🕕



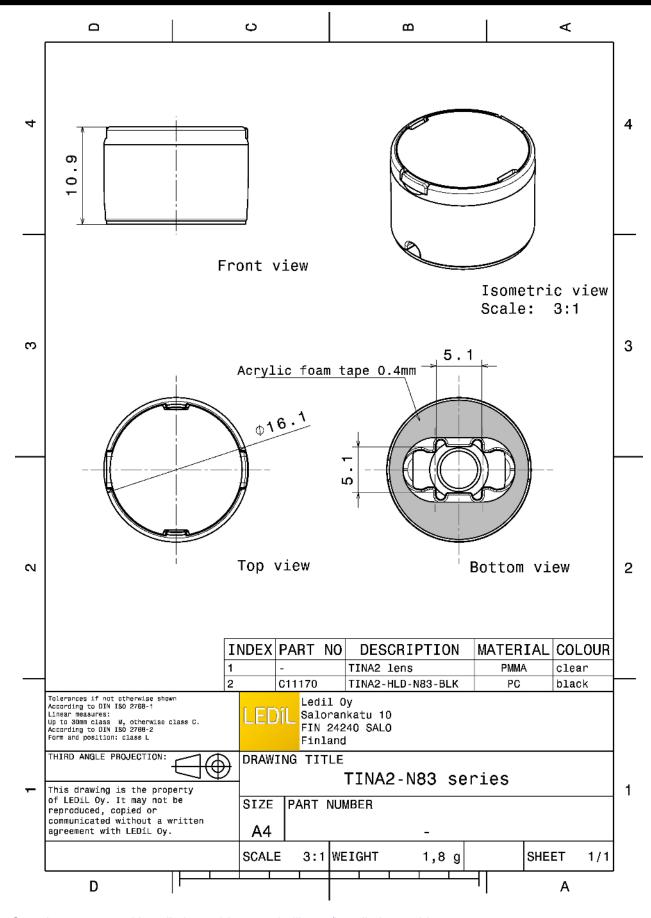
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-HLD-N83-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11171_TINA2-RS	Single lens	4140	230	230	8.4
» Box size: 451 x 241 x 298 mm					





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

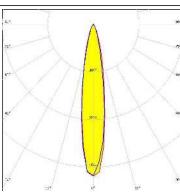


# **OPTICAL RESULTS (MEASURED):**

## CREE . LED

Required components:

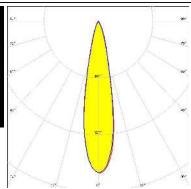
LED MX-6
FWHM / FWTM 18.0° / 40.0°
Efficiency 89 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White



#### LUMILEDS

LED LUXEON V
FWHM / FWTM 21.0° / 41.0°
Efficiency 82 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



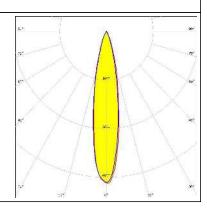


# **WNICHIA**

LED NS3x83
FWHM / FWTM 15.0°
Efficiency 93 %
LEDs/each optic 1
Light colour White
Required components:

# **WNICHIA**

LED NS6x83
FWHM / FWTM 19.0° / 42.0°
Efficiency 93 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:





## **OPTICAL RESULTS (MEASURED):**



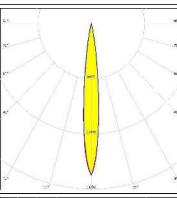




LED XP-E2 FWHM / FWTM 12.0° / 22.0° Efficiency 91 % Peak intensity 18.1 cd/lm LEDs/each optic

Light colour White

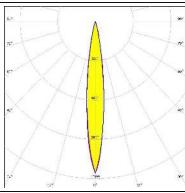
Required components:



#### CREE - LED

LED XP-G2 FWHM / FWTM 14.0° / 27.0° Efficiency 91 % Peak intensity 12.4 cd/lm

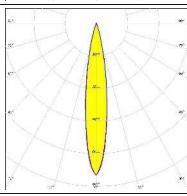
LEDs/each optic 1 White Light colour Required components:



#### CREE \$\(\preceq\) LED

LED XP-G3 FWHM / FWTM 16.0° / 34.0° Efficiency 87 % Peak intensity 7.5 cd/lm LEDs/each optic Light colour White

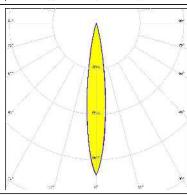
Required components:



#### CREE - LED

XP-L HI FWHM / FWTM 14.0° / 28.0° Efficiency 92 % Peak intensity 10.7 cd/lm LEDs/each optic White Light colour

Required components:







LED XT-E

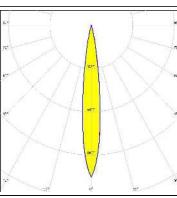
FWHM / FWTM 14.0° / 26.0°

Efficiency 85 %

Peak intensity 11.3 cd/lm

LEDs/each optic 1
Light colour White

Required components:



#### **MUMILEDS**

LED LUXEON CZ

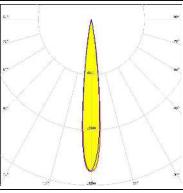
FWHM / FWTM 12.0° / 22.0°

Efficiency 92 %

Peak intensity 17.7 cd/lm LEDs/each optic 1

Light colour Red

Required components:



# **BLUMILEDS**

LED LUXEON HL2X

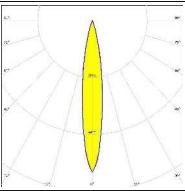
FWHM / FWTM 16.0° / 32.0°

Efficiency 91 %

Peak intensity 8.5 cd/lm

LEDs/each optic 1
Light colour White

Required components:



#### **ELUMINUS**

LED SST-20

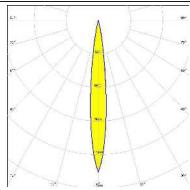
FWHM / FWTM 12.0° / 24.0°

Efficiency 88 %
Peak intensity 14.5 cd/lm

Peak intensity 14.5 c LEDs/each optic 1

Light colour White

Required components:

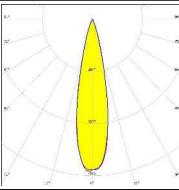






LED NV4WB35AM
FWHM / FWTM 22.0° / 40.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White

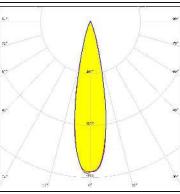
Required components:



# **WNICHIA**

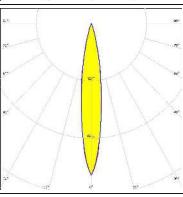
LEDNV4WB35AMFWHM / FWTM22.0° / 40.0°Efficiency89 %Peak intensity4.7 cd/lmLEDs/each optic1Light colourWhite

Required components:



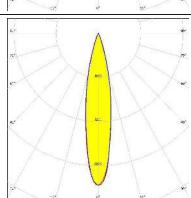
#### **WNICHIA**

LED NVSW219F
FWHM / FWTM 16.0° / 32.0°
Efficiency 91 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

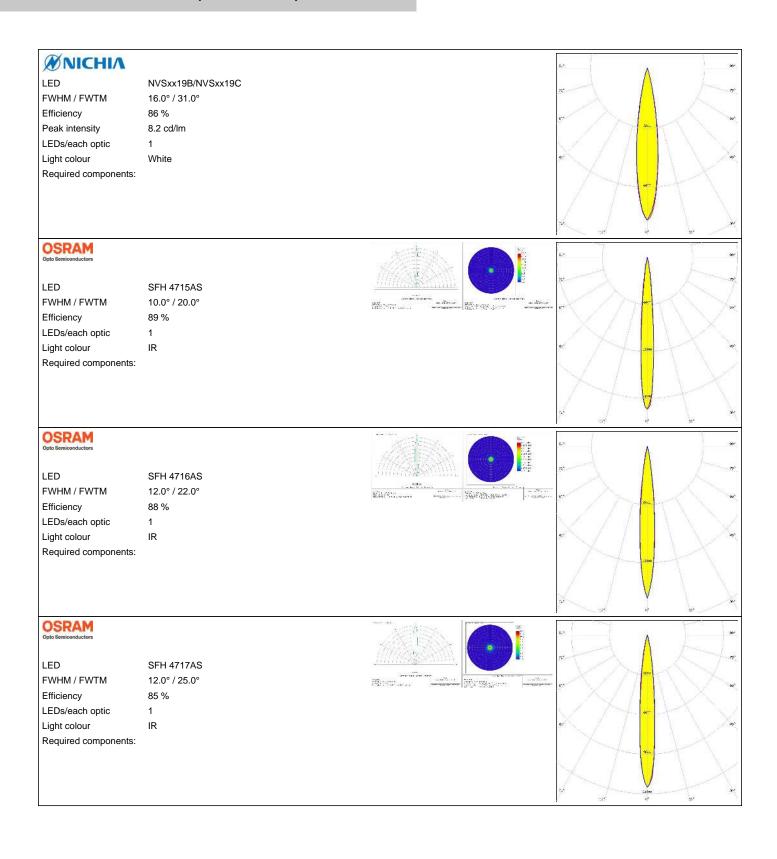


# **WNICHIA**

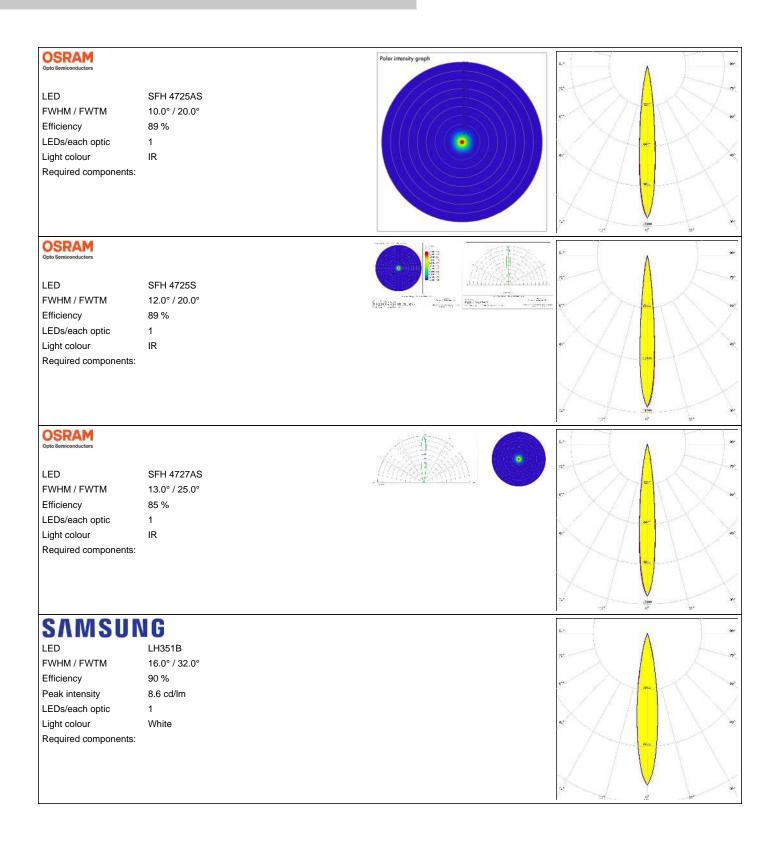
LED NVSW519A
FWHM / FWTM 20.0° / 39.0°
Efficiency 86 %
Peak intensity 5.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:









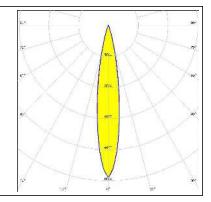




# SAMSUNG

Required components:

LED LH351C
FWHM / FWTM 18.0° / 33.0°
Efficiency 92 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White





# PRODUCT DATASHEET CA11171\_TINA2-RS

#### **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.

#### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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