

#### **TINA2-WW**

~60° wide 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 🕕



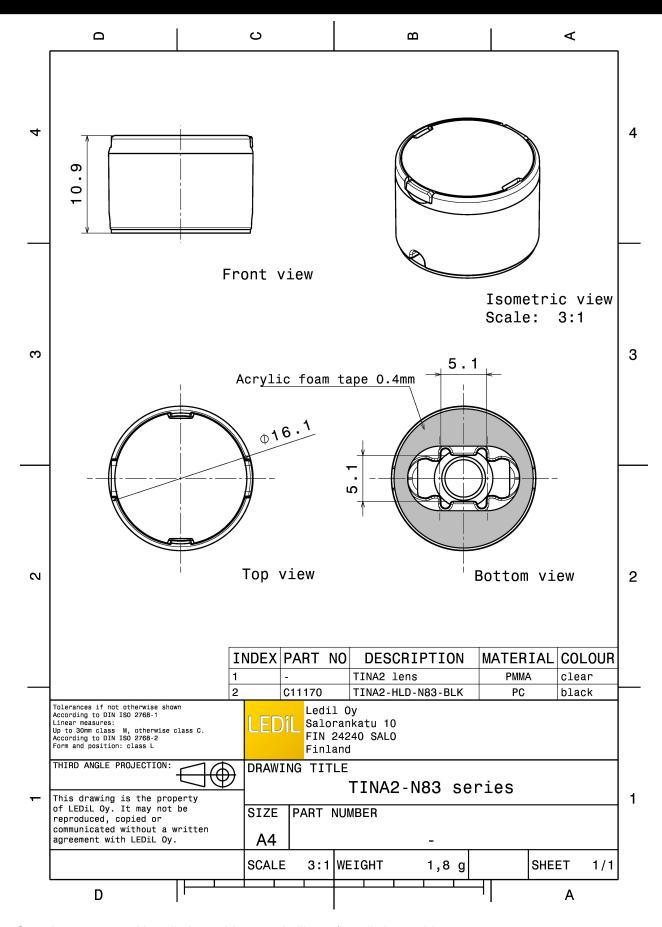
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
TINA2-WW-6N83	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)
CA11176_TINA2-WW	Single lens	4140		230	0.0
» Box size: 451 x 241 x 298 mm					

# PRODUCT DATASHEET CA11176\_TINA2-WW



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



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

# CREE &

LED MX-6

FWHM / FWTM 56.0° / 86.0°

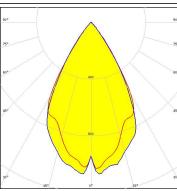
Efficiency %
Peak intensity 0.9

0.9 cd/lm

LEDs/each optic

Light colour White

Required components:



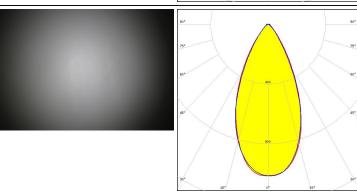
#### **MUMILEDS**

LED LUXEON 5050 Round LES

FWHM / FWTM 49.0° / 81.0° Efficiency 76 %

Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour White

Required components:



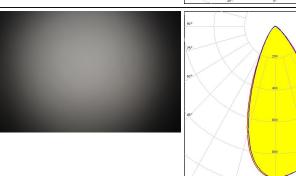
## LUMILEDS

LED LUXEON V

FWHM / FWTM 51.0° / 82.0° Efficiency 76 %

Peak intensity 1 cd/lm LEDs/each optic 1

Light colour White Required components:



## **WNICHIA**

LED NS3x83

FWHM / FWTM 60.0° / 90.0°

Efficiency 87 %
Peak intensity 0.8 cd/lm

LEDs/each optic 1
Light colour White

Required components:



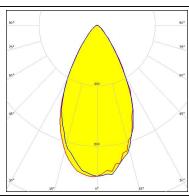
## **OPTICAL RESULTS (MEASURED):**



LED NS6x83
FWHM / FWTM 60.0° / 90.0°
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

#### OPT@GAN

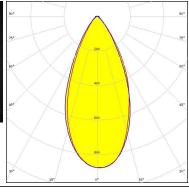
LED OLP-x5050F6L FWHM / FWTM 55.0° / 86.0° Efficiency 86 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:



## **SAMSUNG**

LED LH508A
FWHM / FWTM 48.0° / 80.0°
Efficiency 64 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:







# CREE &

LED XHP35 HI

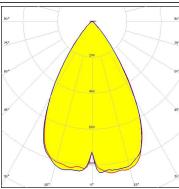
FWHM / FWTM 63.0° / 86.0°

Efficiency 87 %
Peak intensity 0.9 cd/lm

Peak intensity 0.9 cd/lm LEDs/each optic 1

Light colour White

Required components:



# CREE \$

LED XP-G3

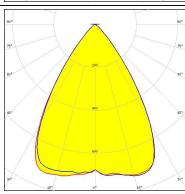
FWHM / FWTM 68.0° / 90.0° Efficiency 88 %

Peak intensity 0.8 cd/lm

LEDs/each optic 1

Light colour White

Required components:



# CREE &

LED XP-L HD

FWHM / FWTM 67.0° / 91.0°

1

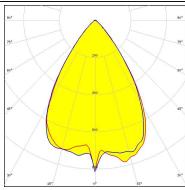
Efficiency 89 %

Peak intensity 0.8 cd/lm

Light colour White

Required components:

LEDs/each optic



# CREE \$

LED XP-L HI

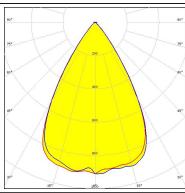
FWHM / FWTM 64.0° / 84.0°

Efficiency 92 %
Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour White

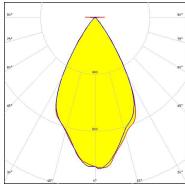
Required components:







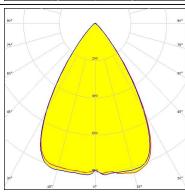
LED LUXEON C
FWHM / FWTM 58.0° / 78.0°
Efficiency 83 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White



## **MUMILEDS**

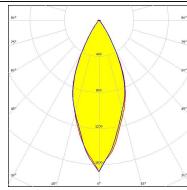
Required components:

LED LUXEON HL2X
FWHM / FWTM 66.0° / 88.0°
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



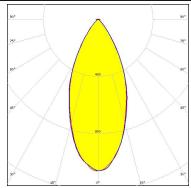
#### **WNICHIA**

LED NCSxE17A
FWHM / FWTM 42.0° / 70.0°
Efficiency 85 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:

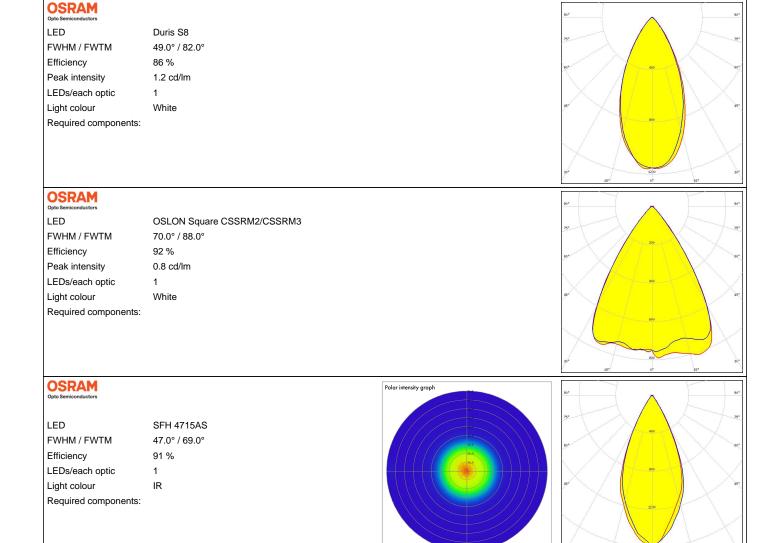


## **WNICHIA**

LED NCSxE17A
FWHM / FWTM 46.0° / 80.0°
Efficiency 72 %
Peak intensity 1.1 cd/lm
LEDs/each optic 4
Light colour White
Required components:

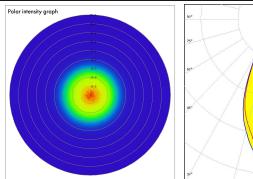


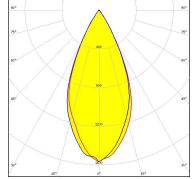




#### **OSRAM**

LEDSFH 4725ASFWHM / FWTM47.0° / 69.0°Efficiency90 %LEDs/each optic1Light colourIRRequired components:







# **SAMSUNG**

LED LH181B

FWHM / FWTM 49.1° / 74.2° Efficiency 88 %

Peak intensity 1.4 cd/lm

LEDs/each optic 1

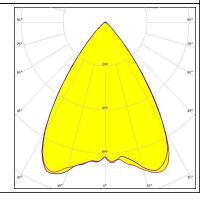
Light colour White

Required components:

## **SAMSUNG**

LED LH351B
FWHM / FWTM 70.0° / 92.0°
Efficiency 90 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour White

Light colour White Required components:





# PRODUCT DATASHEET CA11176\_TINA2-WW

#### **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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# Local sales and technical support

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