

TINA2-WW

~60° wide beam optimized for Nichia NS6x83. Assembly with holder and installation tape.

SPECIFICATION:

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



MATERIALS:

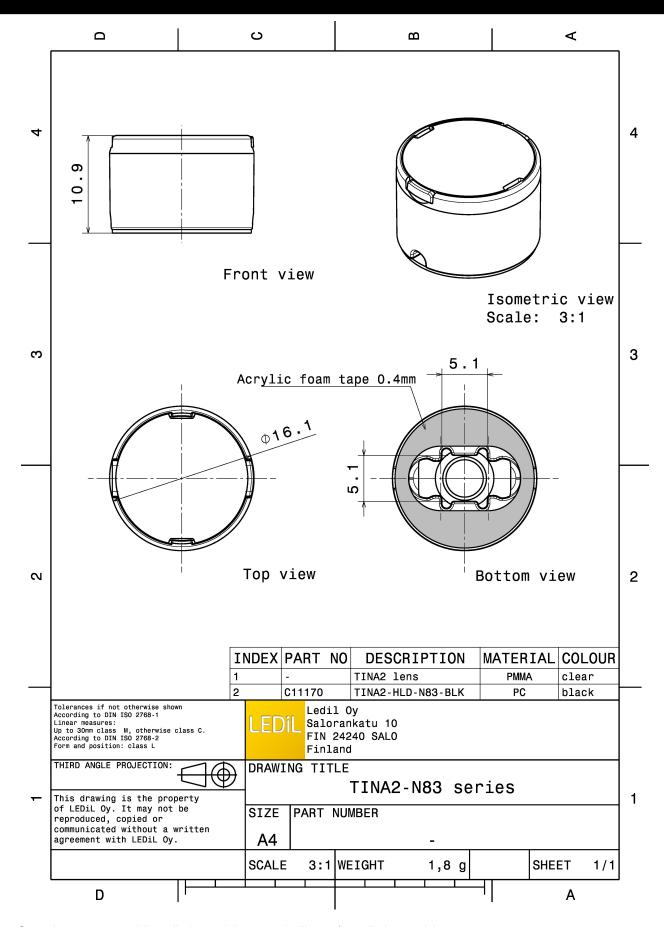
Component	Туре	Material	Colour	Finish	Length (mm)
TINA2-WW-6N83	Single lens	PMMA	clear		
TINA2-HLD-N83-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acrvl tape	black		

ORDERING INFORMATION:

» Box size: 451 x 241 x 298 mm

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11176_TINA2-WW	4140		230	0.0

PRODUCT DATASHEET CA11176_TINA2-WW



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



OPTICAL RESULTS (MEASURED):

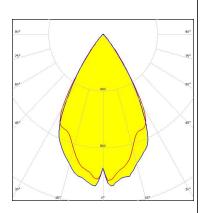
CREE \$

LED MX-6 FWHM / FWTM 56.0° / 86.0°

Efficiency %

Peak intensity 0.9 cd/lm

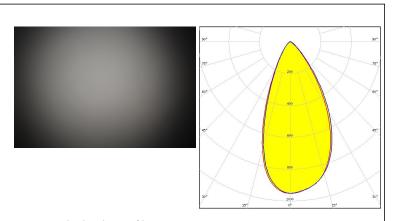
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON V
FWHM / FWTM 51.0° / 82.0°
Efficiency 76 %
Peak intensity 1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NS3x83
FWHM / FWTM 60.0° / 90.0°
Efficiency 87 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



OPTICAL RESULTS (MEASURED):

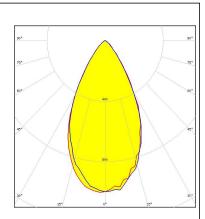
WNICHIA

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

Light distribution files



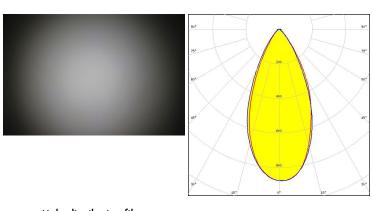
LED CLP-x5050F6L FWHM / FWTM 55.0° / 86.0° Efficiency 86 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour/type White Required components:



Light distribution files

SAMSUNG

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



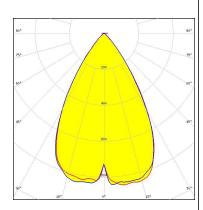
Light distribution files



CREE \$

LED XHP35 HI
FWHM / FWTM 63.0° / 86.0°
Efficiency 87 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

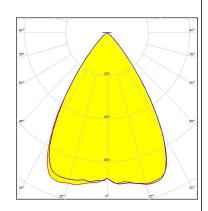


Light distribution files

CREE -

LED XP-G3
FWHM / FWTM 68.0° / 90.0°
Efficiency 88 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

CREE -

LED XP-L HD
FWHM / FWTM 67.0° / 91.0°
Efficiency 89 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



CREE +

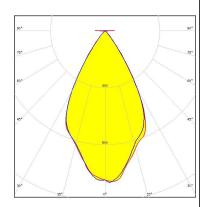
LED XP-L HI
FWHM / FWTM 64.0° / 84.0°
Efficiency 92 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



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

Required components:



Light distribution files



LED LUXEON HL2X
FWHM / FWTM 66.0° / 88.0°

Efficiency 92 %

Peak intensity 0.9 cd/lm

LEDs/each optic 1

Light colour/type White

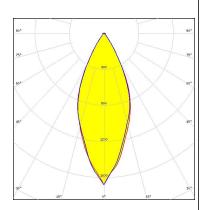
Required components:

Light distribution files



WNICHIA

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

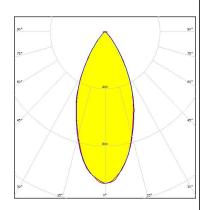


Light distribution files

WNICHIA

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

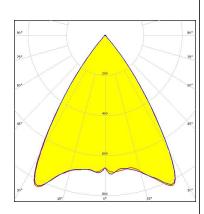
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 68.0° / 82.0°
Efficiency 90 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



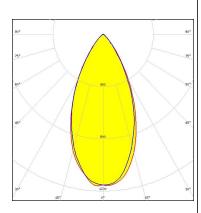
Light distribution files



OSRAM Opto Semiconductors

LED Duris S8
FWHM / FWTM 49.0° / 82.0°
Efficiency 86 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



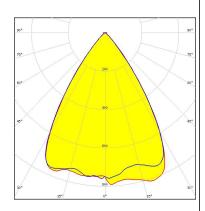
Light distribution files

OSRAM Opto Semiconductore

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 70.0° / 88.0°
Efficiency 92 %
Peak intensity 0.8 cd/lm
LEDs/each optic 1
Light colour/type White

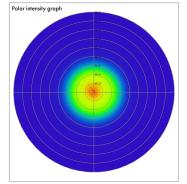
Required components:

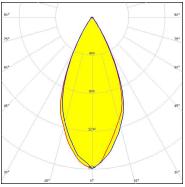


Light distribution files

OSRAM Onto Semiconductors

LED SFH 4715AS
FWHM / FWTM 47.0° / 69.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type IR
Required components:



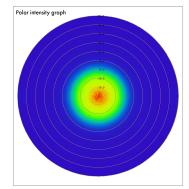


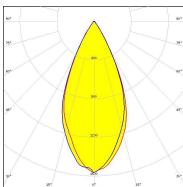
Light distribution files





LED SFH 4725AS
FWHM / FWTM 47.0° / 69.0°
Efficiency 90 %
LEDs/each optic 1
Light colour/type IR
Required components:





Light distribution files

SAMSUNG

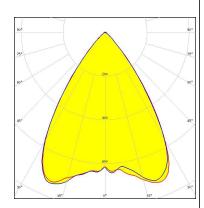
LED LH181B
FWHM / FWTM 49.1° / 74.2°
Efficiency 88 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

Light distribution files

SAMSUNG

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



Light distribution files



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.

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