

#### **TINA-Y-SS**

~16° smooth spot beam. Assembly with holder, installation tape and pins.

#### **SPECIFICATION:**

Dimensions	Ø 16.1
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



#### **MATERIALS:**

Component	Туре	Material	Colour	Finish	Length (mm)
TINA-Y-SS	Single lens	PMMA	clear	gloss	
TINA-Y-HLD	Holder	PC	black	gloss	
TINA-Y-TAPE	Tape	Acryl tape			

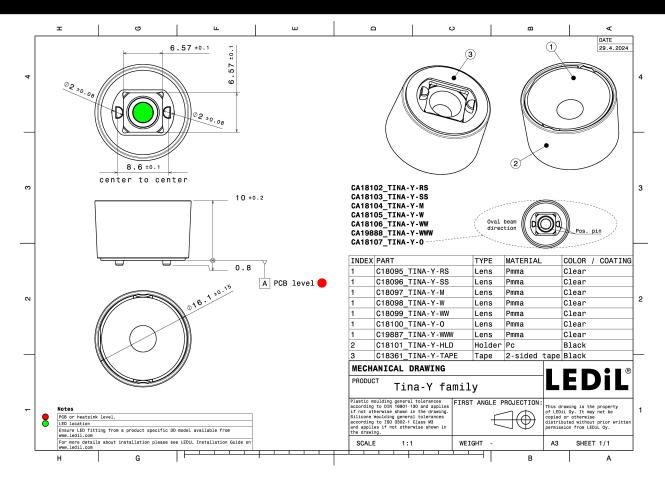
#### **ORDERING INFORMATION:**

» Box size: 476 x 273 x 197 mm

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18103_TINA-Y-SS	3900	300	300	5.7



# **PRODUCT** DATASHEE CA18103\_TINA-Y-SS



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

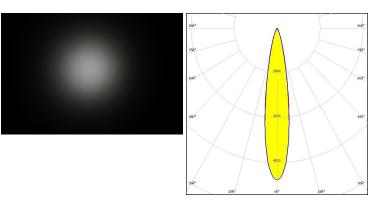
Published: 09/06/2022



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

# CREE \$

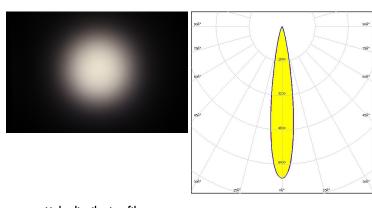
LED XP-G3
FWHM / FWTM 18.0° / 37.0°
Efficiency 81 %
Peak intensity 5.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

# CREE \$

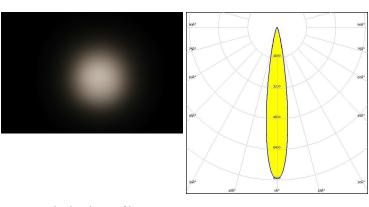
LED XP-G4
FWHM / FWTM 17.0° / 33.0°
Efficiency 87 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## **WNICHIA**

LED NVSW719AC
FWHM / FWTM 17.0° / 31.0°
Efficiency 87 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



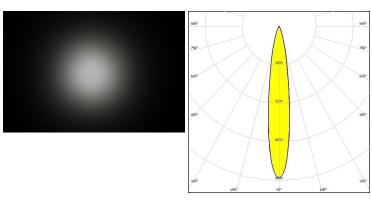
Light distribution files



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



OSCONIQ C 3030 FWHM / FWTM 16.0° / 36.0° Efficiency 83 % Peak intensity 6.3 cd/lm LEDs/each optic Light colour/type White Required components:



Light distribution files

Published: 09/06/2022



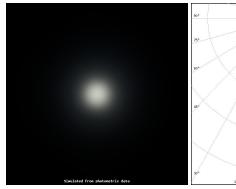


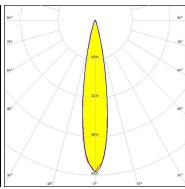
LED Bridgelux SMD 3535 (3B1)

FWHM / FWTM 18.0° / 35.0 + 34.0°

Efficiency 88 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:





Light distribution files

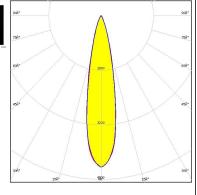
# CREE \$

LED CLR6A-TKW
FWHM / FWTM 21.0° / 42.0°
Efficiency 86 %
Peak intensity 4.5 cd/lm
LEDs/each optic 1
Light colour/type RGBW

Required components:







Light distribution files

# CREE -

LED J Series 3030C
FWHM / FWTM 16.0° / 34.0°
Efficiency 87 %
Peak intensity 7.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



# CREE \$

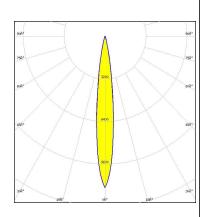
LED XD16 Premium
FWHM / FWTM 14.0° / 26.0°

Efficiency 86 %
Peak intensity 11.4 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:

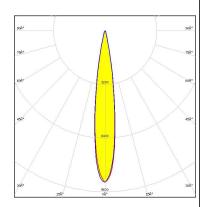


Light distribution files

# CREE -

LED XE-G
FWHM / FWTM 16.0° / 28.0°
Efficiency 87 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White

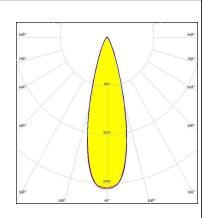
Required components:



Light distribution files

# CREE -

LED XHP35.2 HD
FWHM / FWTM 28.0° / 52.0°
Efficiency 75 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



# CREE +

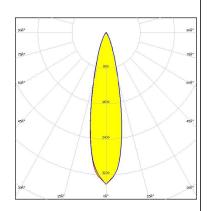
LED XHP35.2 HI
FWHM / FWTM 22.0° / 46.0°
Efficiency 83 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

# CREE -

LED XHP50.3 HI
FWHM / FWTM 24.0° / 48.0°
Efficiency 82 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



LED XM-L RGBW (XMLDCL HD)

FWHM / FWTM 30.0° / 50.0°
Efficiency 85 %
Peak intensity 2.7 cd/lm
LEDs/each optic 1
Light colour/type RGBW
Required components:

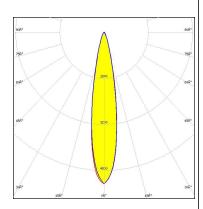


# CREE +

LED XM-L RGBW (XMLDCL HI)

FWHM / FWTM 20.0° / 38.0°
Efficiency 85 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour/type RGBW

Required components:

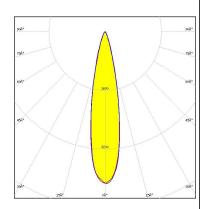


Light distribution files

# CREE \$

LED XM-L3
FWHM / FWTM 21.0° / 42.0°
Efficiency 80 %
Peak intensity 4 cd/lm
LEDs/each optic 1
Light colour/type White

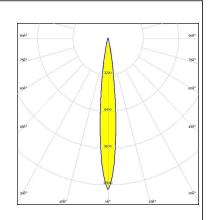
Required components:



Light distribution files

# CREE -

LED XP-E2
FWHM / FWTM 12.0° / 24.0°
Efficiency 88 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



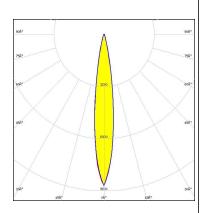
Light distribution files



# CREE +

LED XP-G2
FWHM / FWTM 15.0° / 28.0°
Efficiency 87 %
Peak intensity 9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

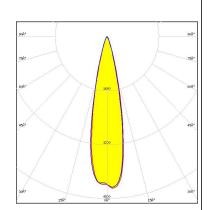


Light distribution files

# CREE \$

LED XP-L RGBW HD
FWHM / FWTM 23.0° / 39.0°
Efficiency 87 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type RGBW

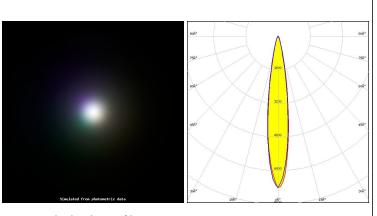
Required components:



Light distribution files

# CREE -

LED XP-L RGBW HI
FWHM / FWTM 16.0° / 32.0°
Efficiency 84 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type RGBW



Light distribution files



# CREE +

LED XP-P
FWHM / FWTM 12.0° / 22.0°
Efficiency 89 %
Peak intensity 15.1 cd/lm
LEDs/each optic 1
Light colour/type White

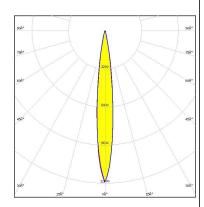
Required components:

Light distribution files

# CREE \$

LED XQ-E HD
FWHM / FWTM 12.0° / 24.0°
Efficiency 87 %
Peak intensity 12.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

# CREE -

LED XQ-E HI
FWHM / FWTM 12.0° / 22.0°
Efficiency 87 %
Peak intensity 15.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



## **MUMILEDS**

LED LUXEON 5050 Round LES

FWHM / FWTM 28.0° / 56.0°

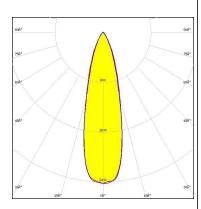
Efficiency 80 %

Peak intensity 2.4 cd/lm

LEDs/each optic 1

Light colour/type White

Required components:



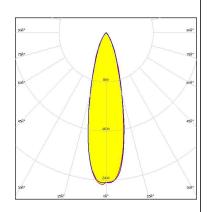
Light distribution files



LED LUXEON 5050 Square LES

FWHM / FWTM 26.0° / 56.0°
Efficiency 78 %
Peak intensity 2.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

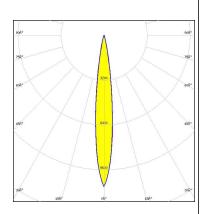


Light distribution files



LED LUXEON C
FWHM / FWTM 14.0° / 26.0°
Efficiency 79 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1

Light colour/type White Required components:



Light distribution files

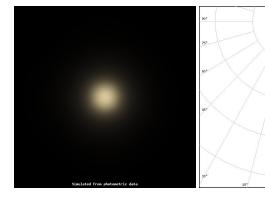


## **MUMILEDS**

LED LUXEON HL2X-V FWHM / FWTM 19.0 + 20.0° / 35.0 + 34.0°

Efficiency 89 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



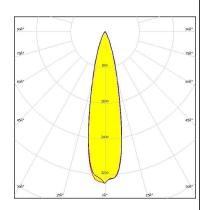
Light distribution files

# **UMILEDS**

LED LUXEON MZ
FWHM / FWTM 24.0° / 47.0°
Efficiency 81 %
Peak intensity 3.4 cd/lm
LEDs/each ontic 1

LEDs/each optic 1
Light colour/type White

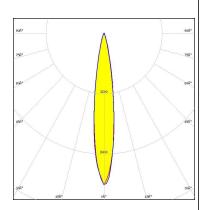
Required components:



Light distribution files



LED LUXEON TX
FWHM / FWTM 15.0° / 30.0°
Efficiency 84 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White



Light distribution files

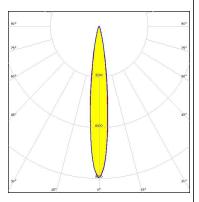




Required components:

LED SST-10-IR-B90
FWHM / FWTM 13.0° / 28.0°
Efficiency 87 %
LEDs/each optic 1
Light colour/type IR

Polar intensity graph

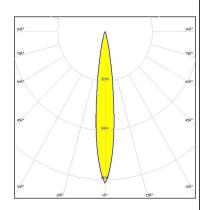


Light distribution files



LED SST-20 Gen1
FWHM / FWTM 14.0° / 28.0°
Efficiency 86 %
Peak intensity 9.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

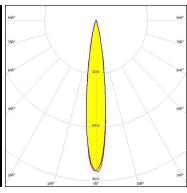


LED SST-20 Gen2

FWHM / FWTM 14.0 + 15.0° / 30.0 + 29.0°

Efficiency 86 %
Peak intensity 9.1 cd/lm
LEDs/each optic 1
Light colour/type White





Light distribution files

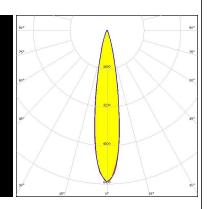




Required components:

LED SST-20F-W
FWHM / FWTM 18.0° / 36.0°
Efficiency 89 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White

SSMIDATENT From photometric data



Light distribution files

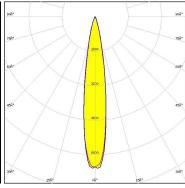


LED SST-25-W FWHM / FWTM 18.0 + 16.0° / 34.0°

Efficiency 86 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:





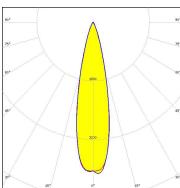
Light distribution files



LED SST-36F-W FWHM / FWTM 24.0° / 43.0 + 44.0°

Efficiency 87 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White





Light distribution files



#### **WNICHIA**

Required components:

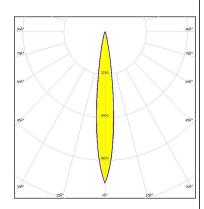
LEDNV4WB35AMFWHM / FWTM24.0° / 46.0°Efficiency85 %Peak intensity3.7 cd/lmLEDs/each optic1Light colour/typeWhite

Light distribution files



LED NVSW219C-V2
FWHM / FWTM 14.0° / 26.0°
Efficiency 88 %
Peak intensity 11.3 cd/lm
LEDs/each optic 1
Light colour/type White

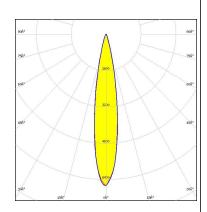
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 18.0° / 33.0°
Efficiency 87 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





#### **WNICHIA**

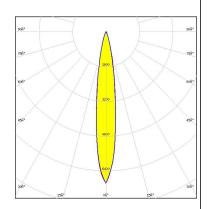
LED NVSW519A
FWHM / FWTM 22.0° / 40.0°
Efficiency 83 %
Peak intensity 4.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files



LED NVSxE21A
FWHM / FWTM 16.0° / 34.0°
Efficiency 79 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

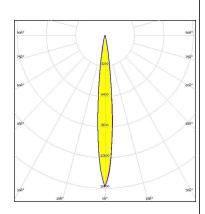


Light distribution files

#### OSRAM Onto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 12.0° / 22.0°
Efficiency 89 %
Peak intensity 15.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



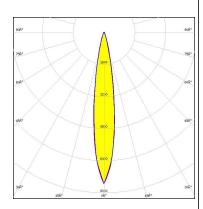


#### OSRAM Opto Seminant

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 16.0° / 32.0°
Efficiency 86 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

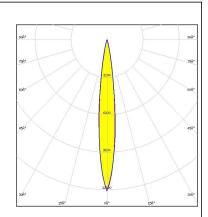


Light distribution files

#### OSRAM Opto Semiconductore

LED OSLON SSL 150
FWHM / FWTM 13.0° / 25.0°
Efficiency 88 %
Peak intensity 13 cd/lm
LEDs/each optic 1
Light colour/type White

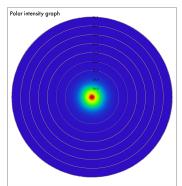
Required components:

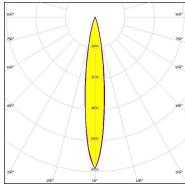


Light distribution files

#### OSRAM Onto Semiconductors

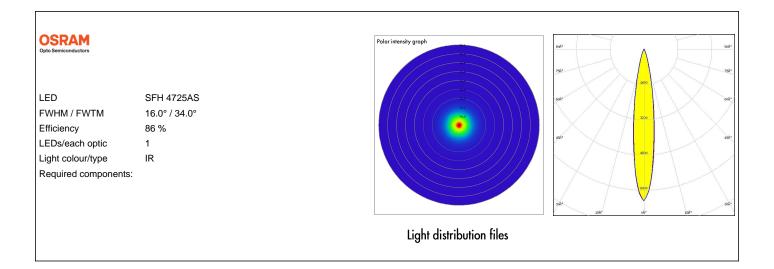
LED SFH 4715AS
FWHM / FWTM 16.0° / 33.0°
Efficiency 86 %
LEDs/each optic 1
Light colour/type IR
Required components:





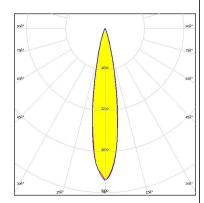
Light distribution files





## **SAMSUNG**

LED LH351C
FWHM / FWTM 19.0° / 36.0°
Efficiency 87 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour/type White



Light distribution files



# PRODUCT DATASHEET CA18103\_TINA-Y-SS

#### **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

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Poznan, Poland Hong Kong, China

#### **Distribution Partners**

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