

### TINA2-RS

~14° spot beam. Assembly with holder, installation tape and location pins.

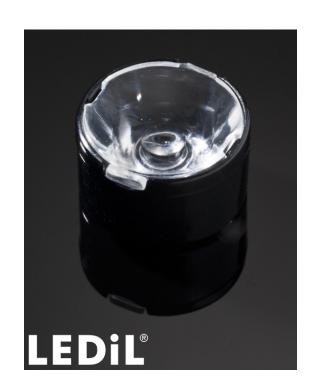
### SPECIFICATION:

Dimensions Ø 16.0 mm

Height 9.5 mm

Fastening tape, pin

ROHS compliant yes ①



### **MATERIALS:**

Component	Туре	Material	Colour	Finish	Length
TINA2-RS	Single lens	PMMA	clear		16.1
TINA2-HLD-BLK	Holder	PC	black		16.1
TINA-TAPE3	Tape	Acrylic foam	black		16.0

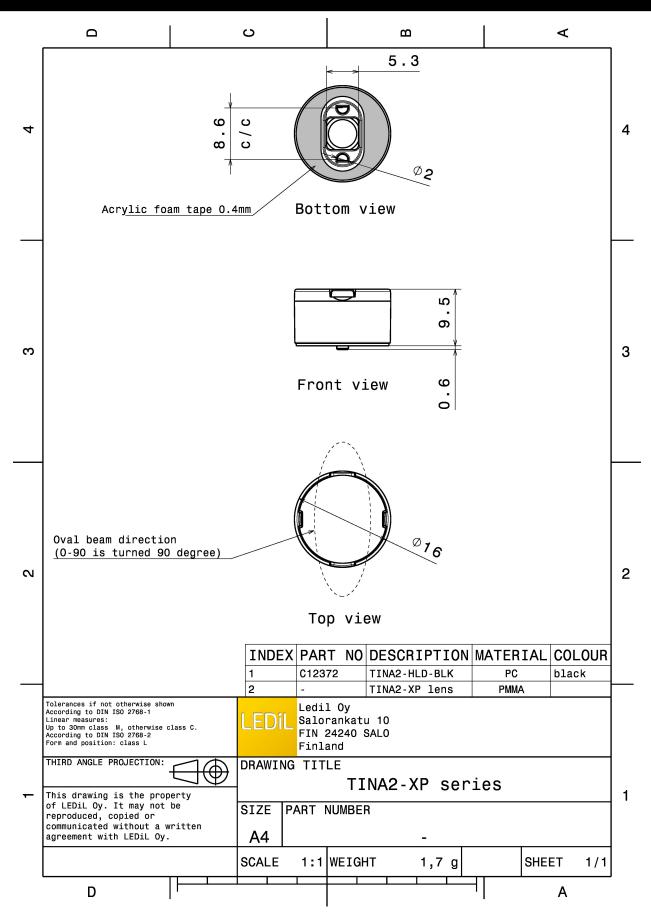
### **ORDERING INFORMATION:**

» Box size: 451 x 241 x 298 mm

Component Qty in box MOQ MPQ Box weight (kg)

CA12374\_TINA2-RS 4140 230 230 8.3



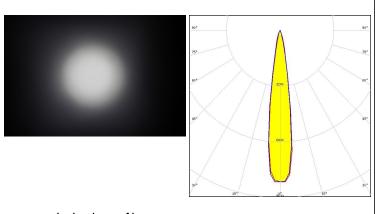


See also our general installation guide: www.ledil.com/installation\_guide



# CREE \$

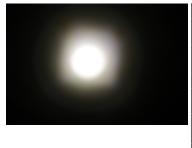
LED XB-H
FWHM / FWTM 17.0° / 30.0°
Efficiency 86 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

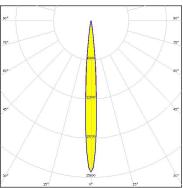


Light distribution files

## CREE \$

LED XQ-E HI
FWHM / FWTM 9.0° / 19.0°
Efficiency 81 %
Peak intensity 25 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



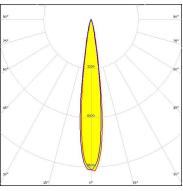


Light distribution files

## **MILEDS**

LED LUXEON TX
FWHM / FWTM 15.0° / 27.0°
Efficiency 89 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:





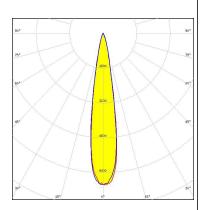
Light distribution files



### **WNICHIA**

LED NVSxx19B/NVSxx19C

FWHM / FWTM 18.0° / 32.0°
Efficiency 88 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

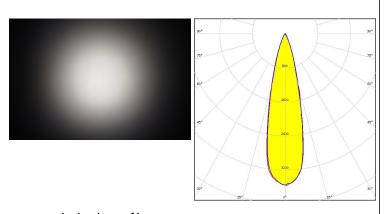


Light distribution files



LED NWSx229A
FWHM / FWTM 25.0° / 47.0°
Efficiency 86 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour(hypo White

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



Light distribution files

#### OSRAM Opto Semiconductors

LED OSLON Square EC FWHM / FWTM 13.0° / 26.0°

Efficiency 88 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

4/16



## OSRAM Opto Semiconductors

Light colour/type

Required components:

OSLON Square PC FWHM / FWTM 12.0° / 25.0°

White

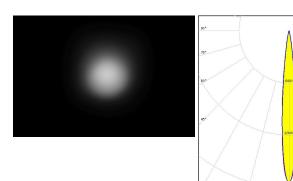
Efficiency 88 % Peak intensity 9.2 cd/lm LEDs/each optic

Light distribution files

## OSRAM Opto Semiconductors

OSLON SSL 150 FWHM / FWTM 11.0° / 21.0° Efficiency 89 % Peak intensity 18.7 cd/lm

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



Light distribution files

## OSRAM Opto Semiconductors

OSLON SSL 80 LED FWHM / FWTM 10.0° / 24.0° Efficiency 88 % Peak intensity 16 cd/lm 1

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



### OSRAM Opto Semiconductors

LED SFH 4180S FWHM / FWTM 6.0° / 16.0° Efficiency %

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

Light distribution files

#### OSRAM Opto Semiconductors

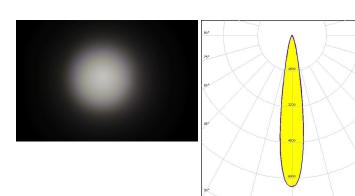
LED SFH 4716S FWHM / FWTM 11.0° / 22.0°

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

Light distribution files



LED Z5M3
FWHM / FWTM 17.0° / 34.0°
Efficiency 87 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



## CREE +

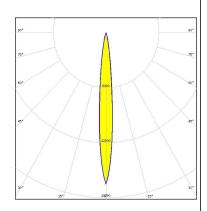
LED XB-D
FWHM / FWTM 17.0° / 33.0°
Efficiency 88 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

## CREE \$

LED XE-G
FWHM / FWTM 10.0° / 23.0°
Efficiency 91 %
Peak intensity 17.7 cd/lm
LEDs/each optic 1
Light colour/type White

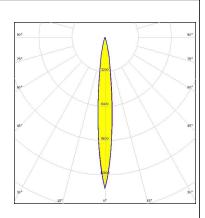
Required components:



Light distribution files



LED LUXEON C
FWHM / FWTM 11.0° / 26.0°
Efficiency 92 %
Peak intensity 14 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

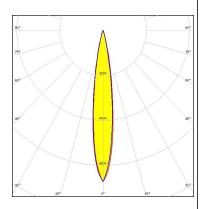






LED LUXEON CZ
FWHM / FWTM 15.0° / 29.0°
Efficiency 92 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour/type Red

Required components:



Light distribution files



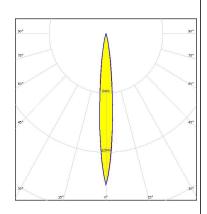
LED LUXEON IR Compact

FWHM / FWTM 10.0° / 22.0°
Efficiency 87 %

LEDs/each optic 1

Light colour/type IR

Required components:

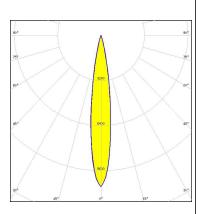


Light distribution files



Required components:

LED LUXEON Rubix
FWHM / FWTM 16.0° / 29.0°
Efficiency 92 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour/type Blue





## **UMILEDS**

Required components:

LED LUXEON Rubix
FWHM / FWTM 15.0° / 29.0°

Efficiency 92 %

Peak intensity 11.1 cd/lm

LEDs/each optic 1

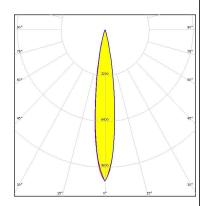
Light colour/type Red

Light distribution files



LED LUXEON Rubix
FWHM / FWTM 16.0° / 30.0°
Efficiency 92 %
Peak intensity 10.6 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



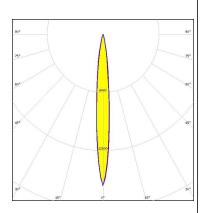
LED NF2W757H
FWHM / FWTM 18.0° / 32.0°
Efficiency 92 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



### **WNICHIA**

LED NFSx757G
FWHM / FWTM 10.0° / 24.0°
Efficiency 93 %
Peak intensity 16.7 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

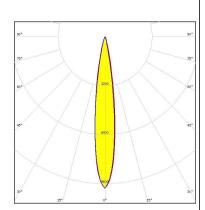


Light distribution files

### OSRAM Opto Semiconductore

LED Duris S5 (2 chip)
FWHM / FWTM 15.0° / 29.0°
Efficiency 92 %
Peak intensity 9.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

### **OSRAM**

LED OSCONIQ P 3030
FWHM / FWTM 12.0° / 24.0°
Efficiency 91 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:

Light distribution files



### OSRAM Opto Semiconductore

LED OSLON Black Flat (LUW HWQP)

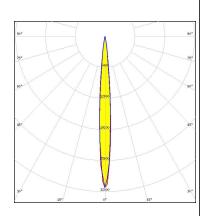
 FWHM / FWTM
 8.6° / 17.0°

 Efficiency
 92 %

 Peak intensity
 32.4 cd/lm

LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

### OSRAM Opto Semiconductore

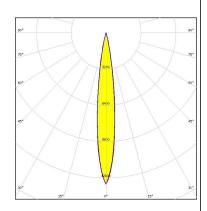
Opto Semiconducti

LED OSLON Black Flat (LUW HWQP)

FWHM / FWTM 14.0° / 26.0° Efficiency 92 % Peak intensity 13.4 cd/lm LEDs/each optic 1

LEDs/each optic 1
Light colour/type White

Required components:



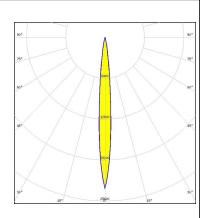
Light distribution files

#### OSRAM Onto Semiconductors

LED OSLON Pure 1414
FWHM / FWTM 10.0° / 20.0°
Efficiency 92 %

Peak intensity 23.7 cd/lm
LEDs/each optic 1
Light colour/type White

Light colour/type
Required components:



Light distribution files



## OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3

FWHM / FWTM 16.0° / 32.0° Efficiency 91 % Peak intensity 8.4 cd/lm LEDs/each optic 1 Light colour/type White

Required components:

### Light distribution files

## OSRAM Opto Semiconductore

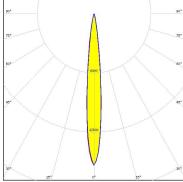
LFD OSLON Square Flat

White

FWHM / FWTM 11.0° / 23.0° Efficiency 91 % Peak intensity 16.4 cd/lm LEDs/each optic 1

Light colour/type Required components:



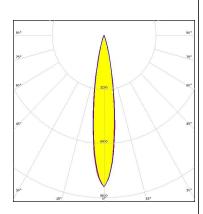


Light distribution files

### **OSRAM**

OSLON SSL 150 FWHM / FWTM 17.0° / 32.0° Efficiency 92 % Peak intensity 9 cd/lm LEDs/each optic Light colour/type White

Required components:

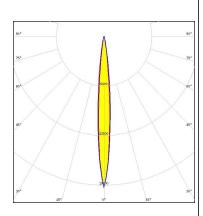


Light distribution files



### OSRAM Opto Semiconductors

LED SFH 4170S
FWHM / FWTM 10.0° / 21.0°
Efficiency 81 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

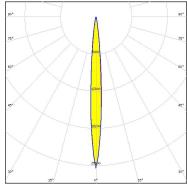
#### OSRAM Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 9.0° / 19.0°
Efficiency 83 %
LEDs/each optic 1

Light colour/type
Required components:



Light distribution files



### **OSRAM**

Synios P2720 1 mm

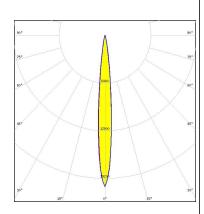
IR

 FWHM / FWTM
 10.0° / 20.0°

 Efficiency
 92 %

 Peak intensity
 20.3 cd/lm

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



Light distribution files

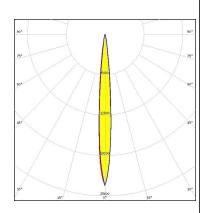


#### OSRAM Opto Semiconductors

LED Synios P2720 1/2 mm

FWHM / FWTM 9.0° / 18.0°
Efficiency 92 %
Peak intensity 24 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files

### OSRAM Opto Semiconductors

LED Synios P2720 1/4 mm

FWHM / FWTM 8.0° / 17.0° Efficiency 92 % Peak intensity 27.5 cd/lm LEDs/each optic 1

Light colour/type White Required components:

Light distribution files

## **STANLEY**

LED MGN1108MS
FWHM / FWTM 10.0° / 22.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type IR
Required components:



## **STANLEY**

LEDMJN1108MSFWHM / FWTM10.0° / 22.0°Efficiency92 %LEDs/each optic1Light colour/typeIRRequired components:

Light distribution files



## PRODUCT DATASHEET CA12374\_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:

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# Local sales and technical support

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### **Distribution Partners**

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