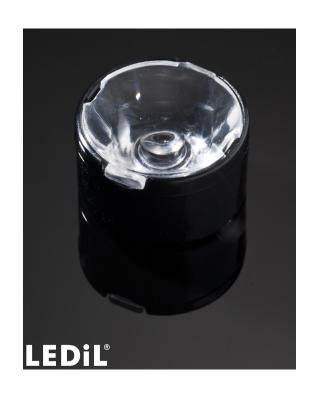


#### TINA2-RS

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

#### **SPECIFICATION:**

Dimensions	Ø 16.0
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



#### **MATERIALS:**

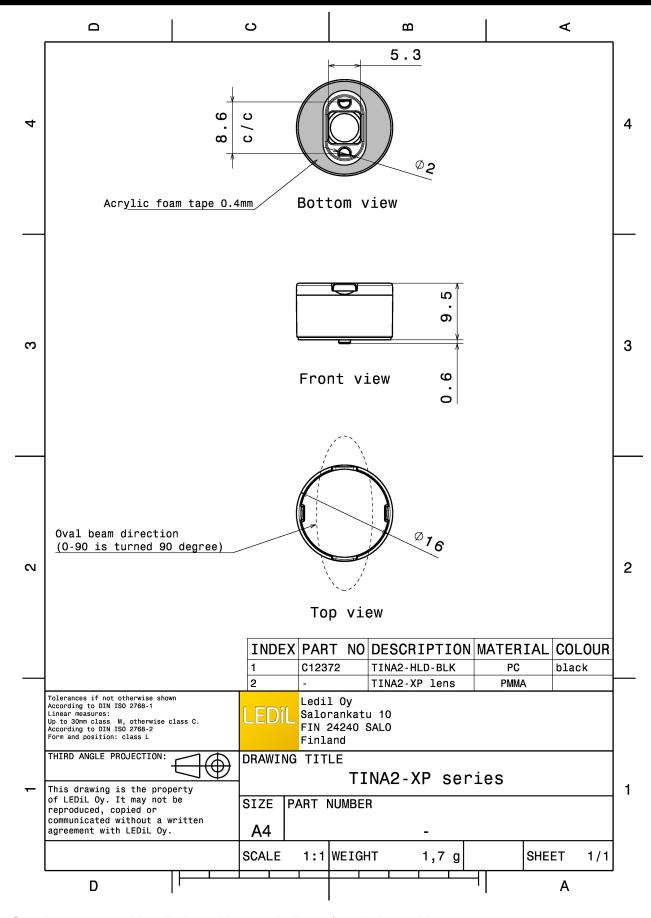
Component	Type	Material	Colour	Finish	Length (mm)
TINA2-RS	Single lens	PMMA	clear		
TINA2-HLD-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acryl tape	black		

#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12374_TINA2-RS	4140	230	230	8.3

» Box size: 451 x 241 x 298 mm





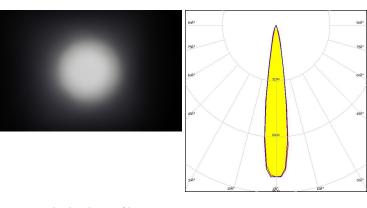
See also our general installation guide: www.ledil.com/installation\_guide

Published: 16/11/2018



# CREE \$

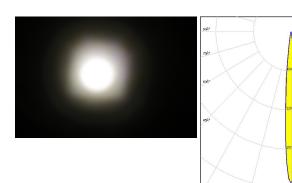
LED XB-H
FWHM / FWTM 17.0° / 30.0°
Efficiency 86 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

## CREE \$

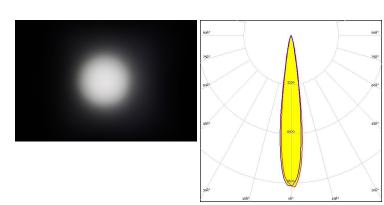
LED XQ-E HI
FWHM / FWTM 9.0° / 19.0°
Efficiency 81 %
Peak intensity 25 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:



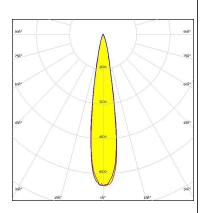
Light distribution files



#### **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:

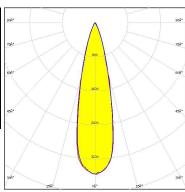


Light distribution files



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



## OSRAM Opto Semiconductors

OSLON Square PC FWHM / FWTM 12.0° / 25.0° Efficiency 88 %

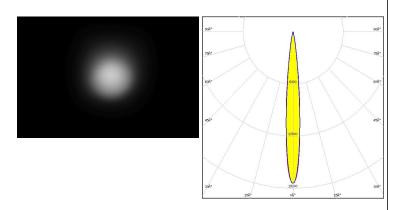
Peak intensity 9.2 cd/lm LEDs/each optic White Light colour/type Required components:

#### 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**

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

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



# OSRAM Opto Semiconductors

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

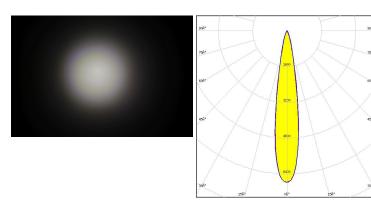
Efficiency LEDs/each optic Light colour/type White Required components:

#### Light distribution files



FWHM / FWTM 17.0° / 34.0° Efficiency 87 % Peak intensity 6.8 cd/lm LEDs/each optic

Light colour/type White Required components:



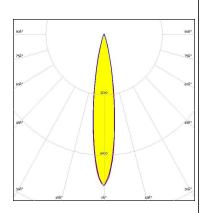
Light distribution files



# 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:

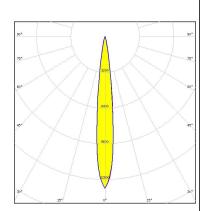


Light distribution files

## CREE \$

LED XD16
FWHM / FWTM 12.0° / 24.0°
Efficiency 88 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour/type White

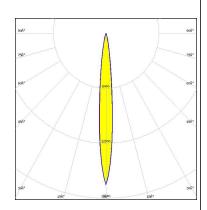
Required components:



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:

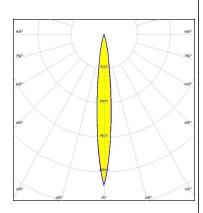






LED LUXEON C
FWHM / FWTM 11.0° / 26.0°
Efficiency 92 %
Peak intensity 14 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



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:

564\*

564\*

564\*

565\*

665\*

665\*

665\*

665\*

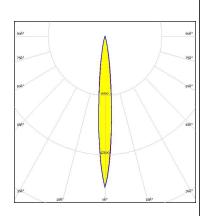
665\*

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





LFD **LUXEON Rubix** FWHM / FWTM 16.0° / 29.0° Efficiency 92 % Peak intensity 10.8 cd/lm LEDs/each optic 1

Light colour/type Blue Required components:

Light distribution files



**LUXEON Rubix** LFD FWHM / FWTM 15.0° / 29.0° Efficiency 92 % Peak intensity 11.1 cd/lm 1

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

Light distribution files



Required components:

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

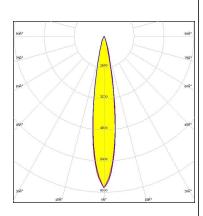
Light distribution files



#### **WNICHIA**

LFD NF2W757H FWHM / FWTM 18.0° / 32.0° Efficiency 92 % Peak intensity 7.8 cd/lm LEDs/each optic Light colour/type White

Required components:

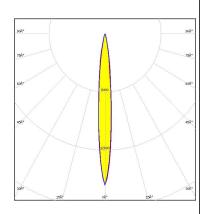


Light distribution files



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

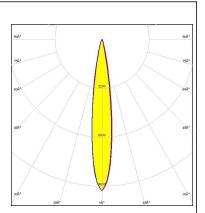
Required components:



Light distribution files

#### **OSRAM**

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



Light distribution files



# OSRAM Opto Semino

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

Light distribution files

# OSRAM Opto Semiconductore

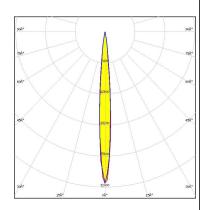
Required components:

OSLON Black Flat (LUW HWQP) LFD

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**

OSLON Black Flat (LUW HWQP)

FWHM / FWTM 14.0° / 26.0° Efficiency 92 % Peak intensity 13.4 cd/lm LEDs/each optic Light colour/type White Required components:

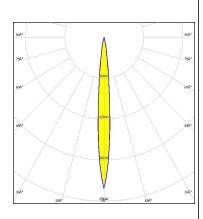


## OSRAM Opto Semiconductors

OSLON Pure 1414 LED FWHM / FWTM 10.0° / 20.0° Efficiency 92 % Peak intensity 23.7 cd/lm

LEDs/each optic Light colour/type White

Required components:



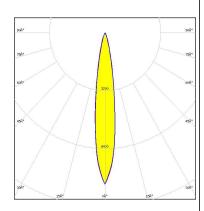
Light distribution files

# OSRAM Opto Semiconductore

OSLON Square CSSRM2/CSSRM3 LFD

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

Required components:



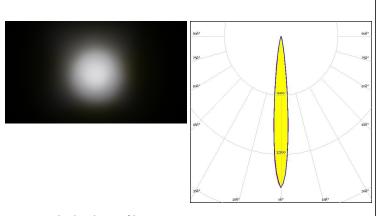
Light distribution files

#### **OSRAM**

OSLON Square Flat

FWHM / FWTM 11.0° / 23.0° Efficiency 91 % Peak intensity 16.4 cd/lm LEDs/each optic Light colour/type White

Required components:



Light distribution files



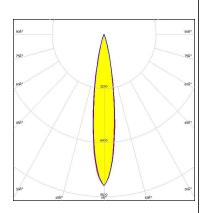
## OSRAM Opto Semiconductors

LED OSLON SSL 150 FWHM / FWTM 17.0° / 32.0° Efficiency 92 % Peak intensity 9 cd/lm LEDs/each optic 1

White

Required components:

Light colour/type

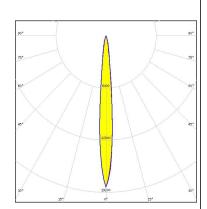


Light distribution files

# OSRAM Opto Semiconductore

OSLON SSL 80 LFD FWHM / FWTM 10.0° / 21.0° Efficiency 90 % Peak intensity 18.6 cd/lm LEDs/each optic Light colour/type White

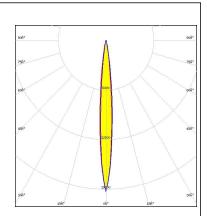
Required components:



Light distribution files

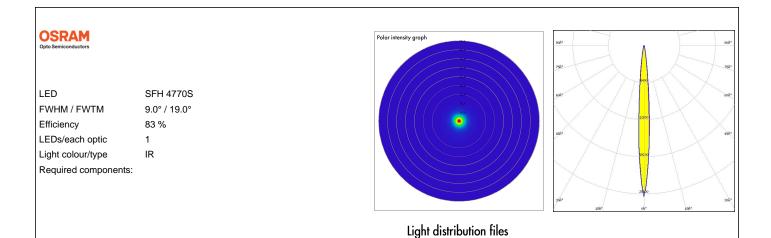
#### **OSRAM**

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



Light distribution files





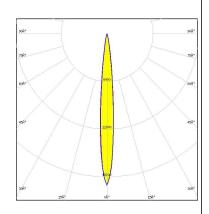
# OSRAM Opto Semiconductore

Synios P2720 1 mm LFD 10.0° / 20.0° FWHM / FWTM Efficiency 92 %

20.3 cd/lm Peak intensity

LEDs/each optic Light colour/type White

Required components:

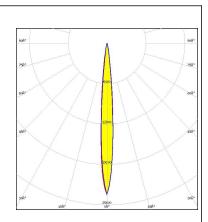


Light distribution files

#### **OSRAM**

Synios P2720 1/2 mm

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



Light distribution files



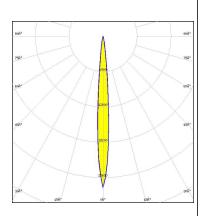
# OSRAM Opto Semiconductors

LED Synios P2720 1/4 mm

FWHM / FWTM 8.0° / 17.0° Efficiency 92 % Peak intensity 27.5 cd/lm

LEDs/each optic Light colour/type White

Required components:

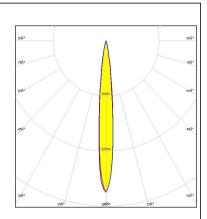


Light distribution files

## STANLEY

MGN1108MS LED FWHM / FWTM 10.0° / 22.0° Efficiency 91 % LEDs/each optic 1 IR

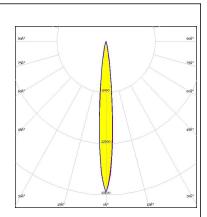
Light colour/type Required components:



Light distribution files

## STANLEY

LED MJN1108MS FWHM / FWTM 10.0° / 22.0° Efficiency 92 % LEDs/each optic 1 Light colour/type IR Required 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:**

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# Ledil Optics Technology (Shenzhen) Co., Ltd.

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# Local sales and technical support

www.ledil.com/ where\_to\_buy

#### **Shipping locations**

Poznan, Poland Hong Kong, China

#### **Distribution Partners**

Published: 16/11/2018

16/16

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