

## PRODUCT DATASHEET CA12379\_TINA2-O

## TINA2-O

 $\sim$ 35° + 15° oval 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:**

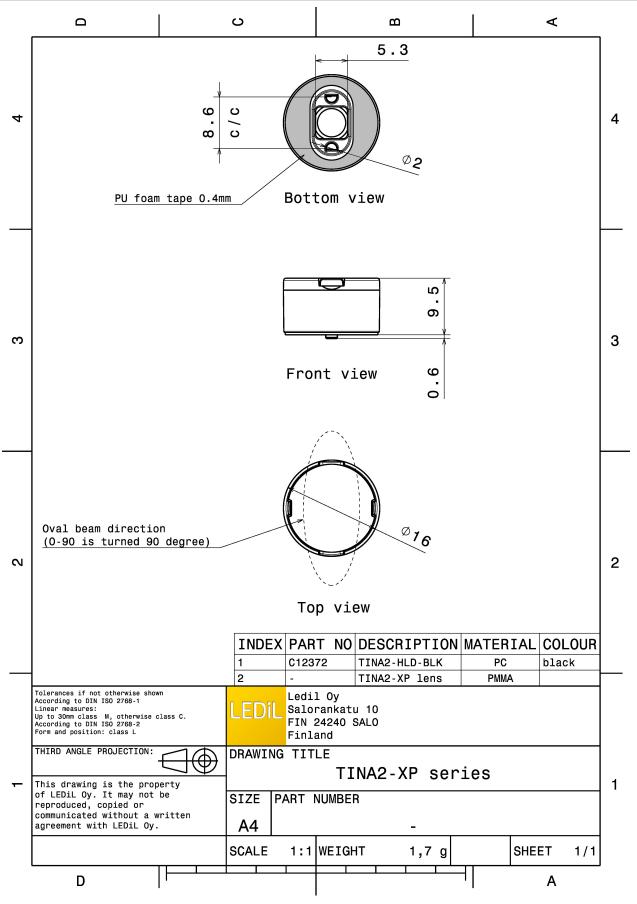
Component	Туре	Material	Colour	Finish	Length (mm)
TINA2-XP-O	Single lens	PMMA	clear		
TINA2-HLD-BLK	Holder	PC	black		
TINA-TAPE3	Таре	Acrylic foam	black		

## **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12379_TINA2-O » Box size: 451 x 241 x 298 mm	4140	230	230	8.5



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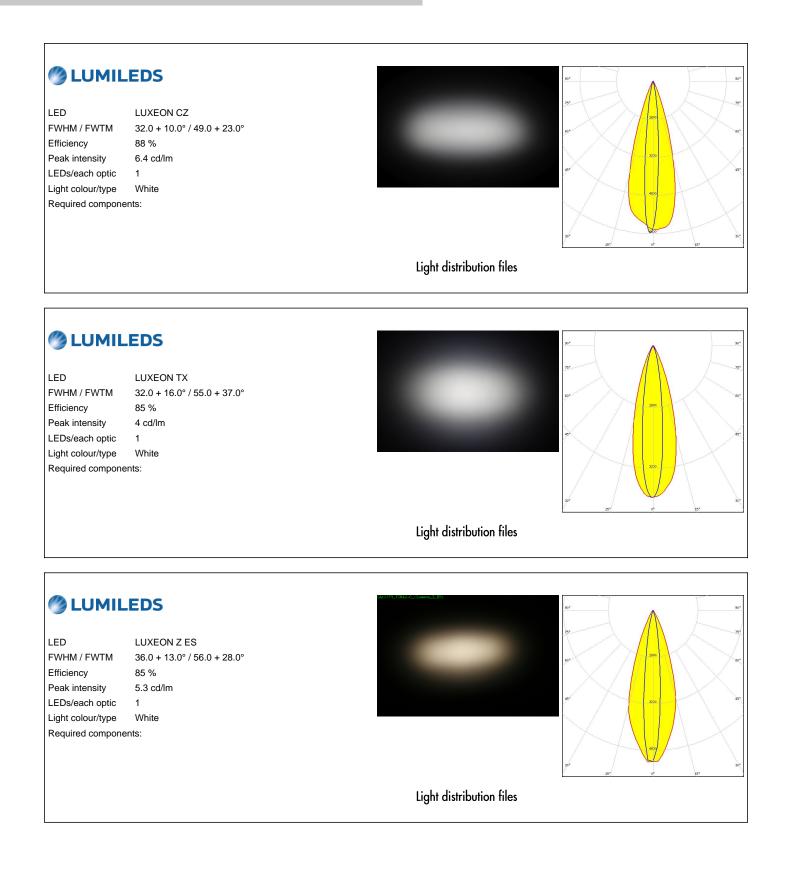


See also our general installation guide: <u>www.ledil.com/installation\_guide</u>



CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	XB-H 34.0 + 17.0° / 57.0 + 39.0° 84 % 3.9 cd/lm 1 White nts:	
		Light distribution files
CREE Constructions	XD16 32.0 + 15.0° / 54.0 + 32.0° 80 % 4.1 cd/lm 1 White nts:	Light distribution files
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required compone	XQ-E HI 33.0 + 13.0° / 51.0 + 28.0° 80 % 5 cd/lm 1 White nts:	Light distribution files







### **ΜΝΙCΗΙΛ** LED NWSx229A FWHM / FWTM 33.0 + 24.0° / 65.0 + 49.0° Efficiency 82 % Peak intensity 2.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto Semiconductore LED OSLON Black Flat (LUW HWQP) FWHM / FWTM 31.0 + 12.0° / 50.0 + 24.0° Efficiency 87 % Peak intensity 6 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto S LED OSLON Square CSSRM2/CSSRM3 FWHM / FWTM 32.0 + 16.0° / 55.0 + 36.0° Efficiency 87 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



OSLON Square EC	
33.0 + 17.0° / 57.0 + 37.0°	60
	et
	24
	Light distribution files
	90 <sup>4</sup>
OSLON Square Flat	
31.0 + 12.0° / 50.0 + 24.0°	94
	e 200
ents:	20 <sup>1</sup> 20 <sup>2</sup> 66 <sup>1</sup> /20 10 <sup>2</sup>
	Light distribution files
OSLON Square PC	
33.0 + 13.0° / 56.0 + 34.0°	
ents:	
	Light distribution files
	31.0 + 12.0° / 50.0 + 24.0° 87 % 5.9 cd/lm 1 White ents: OSLON Square PC 33.0 + 13.0° / 56.0 + 34.0° 87 % 3.8 cd/lm 1 White



#### OSRAM Opto Semiconductors

 LED
 OSLON SSL 150

 FWHM / FWTM
 38.0 + 13.0° / 59.0 + 30.0°

 Efficiency
 87 %

 Peak intensity
 3.7 cd/lm

 LEDs/each optic
 1

 Light colour/type
 White

 Required components:
 Section 1

Light distribution files

# LED OSLON SSL 150 FWHM / FWTM 33.0 + 13.0° / 52.0 + 28.0° Efficiency 86 % Peak intensity 5.2 cd/m LEDs/each optic 1 Light colour/type White Required components: Light distribution files

#### OSRAM Opto Semiconductors

LEDOSLOIFWHM / FWTM35.0 +Efficiency86 %Peak intensity3.8 cd/LEDs/each optic1Light colour/typeWhiteRequired components:

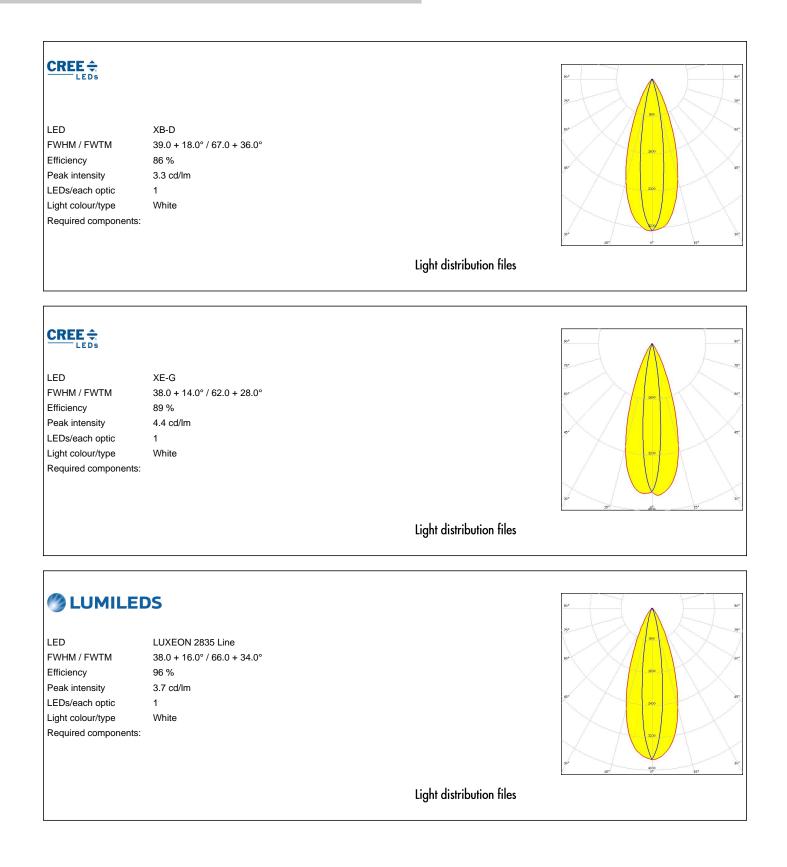
OSLON SSL 80 35.0 + 12.0° / 56.0 + 30.0° 86 % 3.8 cd/lm 1 White

Light distribution files



## OSRAM Opto Semiconductors SFH 4170S LED FWHM / FWTM 30.0 + 10.0° / 50.0 + 26.0° Efficiency % LEDs/each optic 1 IR Light colour/type Required components: Light distribution files OSRAM Opto Semiconductors LED SFH 4180S FWHM / FWTM 31.0 + 10.0° / 50.0 + 27.0° Efficiency % LEDs/each optic 1 Light colour/type IR Required components: Light distribution files SEOUL 90 SEOUL SEMICONDUCTOR LED Z5M3 FWHM / FWTM 33.0 + 19.0° / 59.0 + 42.0° Efficiency 82 % Peak intensity 3.2 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



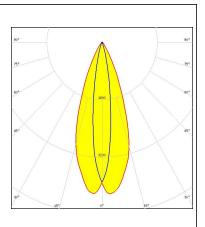




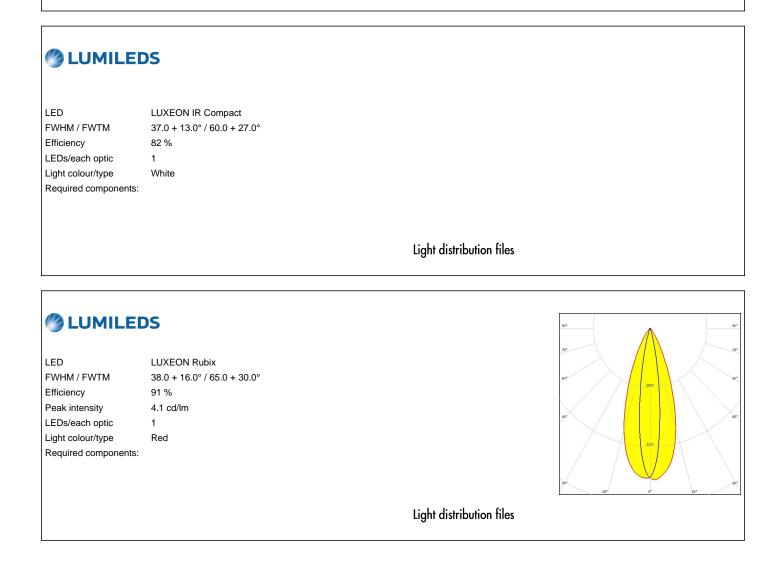
## UMILEDS

LEDLFWHM / FWTM2Efficiency2Peak intensity2LEDs/each optic2Light colour/type3Required components:

LUXEON C 14.0 + 37.0° / 30.0 + 60.0° 93 % 4.2 cd/lm 1 White



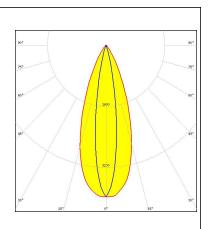
Light distribution files





## LUMILEDS

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: LUXEON Rubix 38.0 + 16.0° / 65.0 + 31.0° 90 % 4 cd/lm 1 White



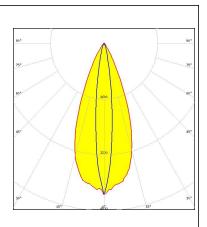
#### Light distribution files

#### LUMILEDS LUXEON Rubix I FD FWHM / FWTM 38.0 + 16.0° / 66.0 + 30.0° Efficiency 91 % Peak intensity 4 cd/lm LEDs/each optic 1 Light colour/type Blue Required components: Light distribution files **MNICHIA** LED NCSxE17A FWHM / FWTM 42.0 + 13.0° / 62.0 + 26.0° Efficiency 87 % Peak intensity 4.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



## **Μ**ΝΙCΗΙΛ

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: NFSx757G 41.0 + 13.0° / 63.0 + 29.0° 90 % 4.4 cd/lm 1 White



Light distribution files

#### **Μ**ΝΙCΗΙΛ NVSxx19B/NVSxx19C I FD 39.0 + 17.0° / 66.0 + 36.0° FWHM / FWTM Efficiency 86 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files **MNICHIA** NVSxx19B/NVSxx19C LED FWHM / FWTM 39.0 + 18.0° / 68.0 + 39.0° Efficiency 85 % Peak intensity 3.1 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



Correspondences LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:	Duris S5 (2 chip) 41.0 + 17.0° / 64.0 + 34.0° 91 % 3.6 cd/lm 1 White	
		Light distribution files
COSREM Detro Semiconductors	OSLON Black Flat (LUW HWQP) 31.0 + 12.0° / 50.0 + 24.0° 87 % 6.2 cd/lm 1 White	Light distribution files
COSRAM Opto Semiconductors	OSLON Pure 1414 38.0 + 12.0° / 60.0 + 24.0° 91 % 5.5 cd/lm 1 White	Light distribution files



#### OSRAM Opto Semiconductors

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components:

SFH 4770S 41.0 + 16.0° / 63.0 + 33.0° 85 % 3.5 cd/lm 1 White

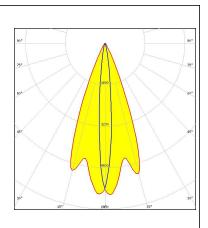
Light distribution files

#### OSRAM Opto Semiconductore I FD Synios P2720 1 mm FWHM / FWTM 41.0 + 11.0° / 57.0 + 23.0° Efficiency 91 % Peak intensity 5.5 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files OSRAM Opto S LED Synios P2720 1/2 mm FWHM / FWTM 41.0 + 10.0° / 56.0 + 23.0° Efficiency 91 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



#### OSRAM Opto Semiconductore

LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour/type Required components: Synios P2720 1/4 mm 41.0 + 9.0° / 56.0 + 22.0° 91 % 6 cd/lm 1 White



Light distribution files

#### **SAMSUNG** I FD LM302D FWHM / FWTM 40.0 + 16.0° / 66.0 + 36.0° Efficiency 88 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files SEOUL SEOUL SEMICONDUCTOR LED Z8Y15 FWHM / FWTM 40.0 + 17.0° / 66.0 + 32.0° Efficiency 82 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour/type White Required components: Light distribution files



## PRODUCT DATASHEET CA12379\_TINA2-O

### **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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