

### TINA2-RS

~14° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.

#### **SPECIFICATION:**

Dimensions Ø 16.1 mm
Height 10.1 mm
Fastening tape
ROHS compliant yes ①



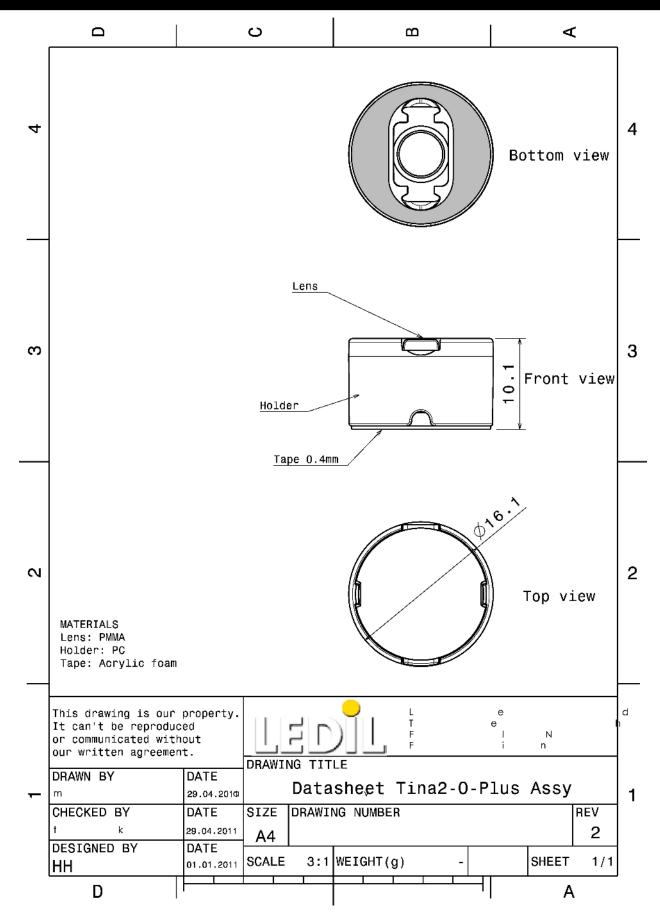
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
TINA2-O-PLUS-RS	Single lens	PMMA	clear	
TINA2-O-PLUS-HLD-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11847_TINA2-RS	Single lens	4140	230	230	0.0
» Box size: 451 x 241 x 298 mm					





See also our general installation guide: <a href="www.ledil.com/installation\_guide">www.ledil.com/installation\_guide</a>



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

OSRAM Opto Semiconductors

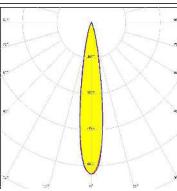
LED Golden Dragon+
FWHM / FWTM 10.0° / 20.0°
Efficiency 93 %
Peak intensity 18 cd/lm
LEDs/each optic 1
Light colour White
Required components:





LED XP-G2 HE
FWHM / FWTM 17.0° / 34.0°
Efficiency 88 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour White

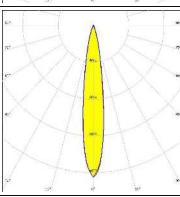
Required components:



#### CREE - LED

LED XP-G3
FWHM / FWTM 16.0° / 34.0°
Efficiency 85 %
Peak intensity 6.6 cd/lm
LEDs/each optic 1
Light colour White

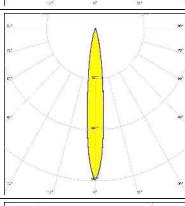
Required components:



#### CREE + LED

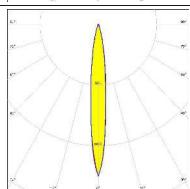
LED XP-L HI
FWHM / FWTM 12.0° / 30.0°
Efficiency 89 %
Peak intensity 9.6 cd/lm
LEDs/each optic 1
Light colour White

Required components:



### CREE - LED

LED XT-E
FWHM / FWTM 12.0° / 30.0°
Efficiency 82 %
Peak intensity 8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



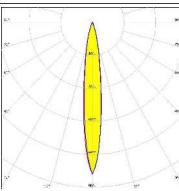




LED LUXEON 3030 HE Plus

FWHM / FWTM 14.0° / 34.0°
Efficiency 87 %
Peak intensity 7.4 cd/lm
LEDs/each optic 1
Light colour White

Required components:

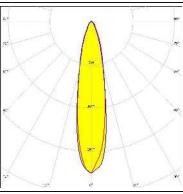


## **BLUMILEDS**

LED LUXEON 5050 Square LES

FWHM / FWTM 22.0° / 52.0°
Efficiency 85 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White

Required components:



## **DUMILEDS**

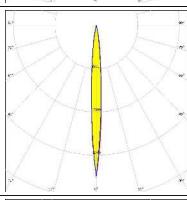
 LED
 LUXEON CZ

 FWHM / FWTM
 8.0° / 20.0°

 Efficiency
 88 %

 Peak intensity
 22.5 cd/lm

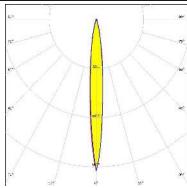
LEDs/each optic 1
Light colour Red
Required components:



## **UMILEDS**

LED LUXEON IR Domed 150

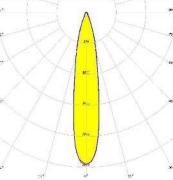
FWHM / FWTM 10.0° / 27.0°
Efficiency 81 %
LEDs/each optic 1
Light colour IR
Required components:





## **WNICHIA**

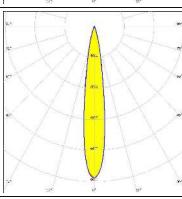
LED NV4WB35AM
FWHM / FWTM 20.0° / 44.0°
Efficiency 86 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour White



## WNICHIA

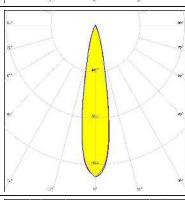
Required components:

LED NVSW219F
FWHM / FWTM 16.0° / 32.0°
Efficiency 89 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### **WNICHIA**

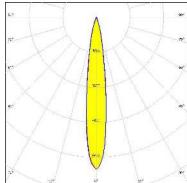
LED NVSW519A
FWHM / FWTM 20.0° / 38.0°
Efficiency 85 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## **WNICHIA**

LED NVSxx19B/NVSxx19C

FWHM / FWTM 16.0° / 33.0°
Efficiency 84 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:





# OSRAM Opto Semiconductors

LED

Duris S8

FWHM / FWTM

25.0° / 59.0°

Efficiency

85 %

Peak intensity

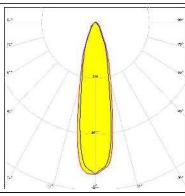
2.2 cd/lm

LEDs/each optic

Light colour

White

Required components:



## OSRAM Opto Semiconductor

LED

KW CULPM1.TG

FWHM / FWTM

10.0° / 24.0°

Efficiency

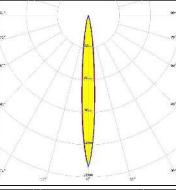
89 %

Peak intensity LEDs/each optic 15.1 cd/lm

Light colour

1 White

Required components:



# OSRAM Opto Semiconductor

LED

PLPVEC2 850A  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 10.0° / 23.0°

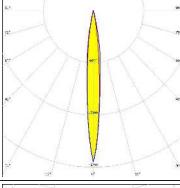
Efficiency

93 %

LEDs/each optic

1 IR

Light colour Required components:



## OSRAM Opto Semiconductors

SFH 4232A

FWHM / FWTM

8.0° / 19.0°

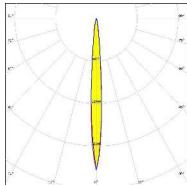
Efficiency

94 %

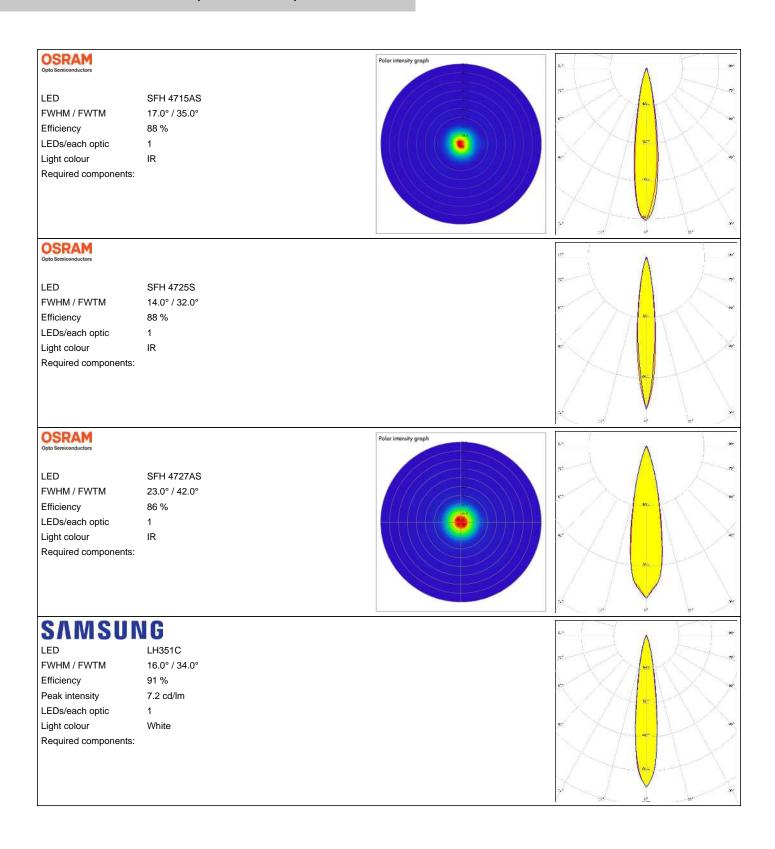
LEDs/each optic Light colour

1 IR

Required components:









## PRODUCT DATASHEET CA11847\_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:

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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#### **LEDIL Oy**

Joensuunkatu 13 FI-24240 SALO Finland

#### LEDiL Inc.

228 West Page Street Suite D Sycamore IL 60178 USA

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

# 405, Block B Casic Motor Building Shenzhen 518057 P.R.CHINA

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