

#### **TINA-RS**

~13° spot beam optimized for Osram Golden Dragon+. Assembly with holder and installation tape.

#### **SPECIFICATION:**

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



#### **MATERIALS:**

Component	Type	Material	Colour	Finish	Length (mm)
TINA-O-PLUS-RS	Single lens	PMMA	clear		
TINA-O-PLUS-H-TAPE-WHT	Holder	PC	white		
TINA-TAPE3	Tape	Acryl tape	black		

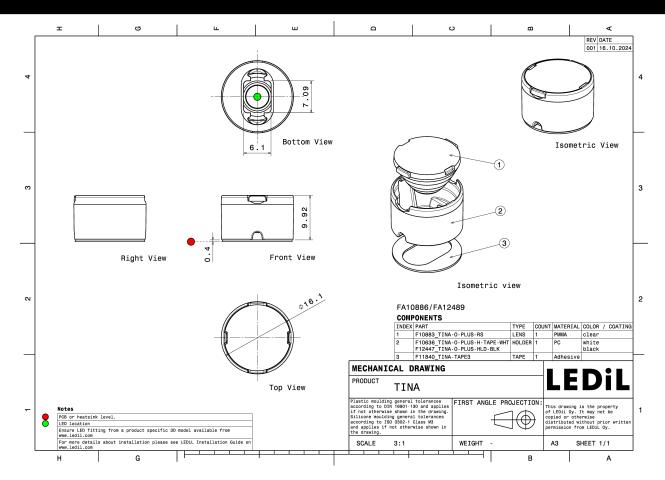
#### **ORDERING INFORMATION:**

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA10886_TINA-RS	2016	288	144	4.1

» Box size:



# PRODUCT DATASHEET FA10886\_TINA-RS



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

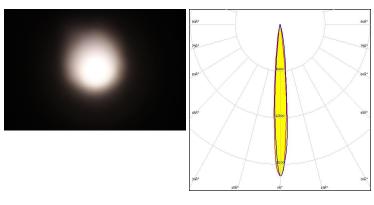


## **OPTICAL RESULTS (MEASURED):**



LED Golden Dragon+
FWHM / FWTM 10.0° / 19.0°
Efficiency 93 %
Peak intensity 20.1 cd/lm
LEDs/each optic 1

Peak intensity 20.1 cd/
LEDs/each optic 1
Light colour/type White
Required components:



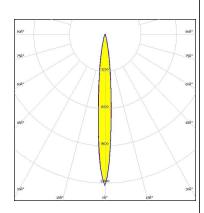
Light distribution files





LED XP-E2
FWHM / FWTM 10.0° / 25.0°
Efficiency 88 %
Peak intensity 13.1 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

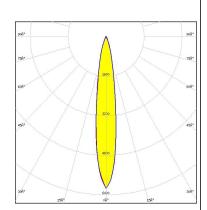


Light distribution files

# CREE \$

LED XP-G3
FWHM / FWTM 16.0° / 36.0°
Efficiency 85 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour/type White

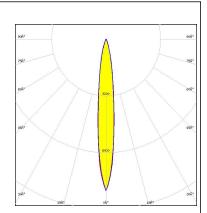
Required components:



Light distribution files

# CREE -

LED XP-L HI
FWHM / FWTM 12.0° / 32.0°
Efficiency 89 %
Peak intensity 8.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

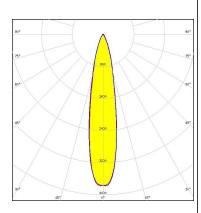


Light distribution files



# CREE +

LED XP-L2
FWHM / FWTM 21.0° / 46.0°
Efficiency 85 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

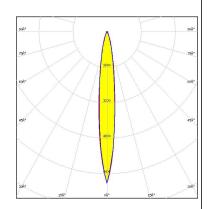


Light distribution files

# CREE \$

LED XT-E
FWHM / FWTM 12.0° / 32.0°
Efficiency 81 %
Peak intensity 6.8 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

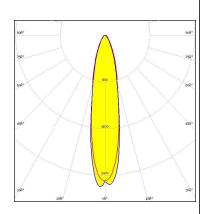


Light distribution files



LED LUXEON 5050 Square LES

FWHM / FWTM 22.0° / 56.0°
Efficiency 84 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



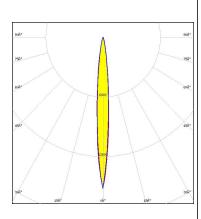
Light distribution files



# LUMILEDS

LFD LUXEON CZ  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 10.0° / 22.0° Efficiency 88 % Peak intensity 16.3 cd/lm LEDs/each optic 1 Red

Light colour/type Required components:

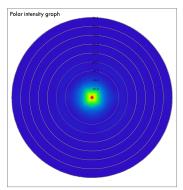


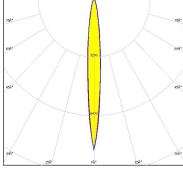
Light distribution files



LUXEON IR Domed 150 (L1I0-0xxx150000000) LFD

FWHM / FWTM 10.0° / 28.0° Efficiency 80 % LEDs/each optic 1 Light colour/type IR Required components:

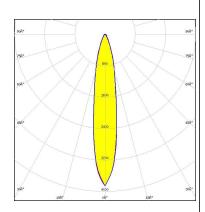




Light distribution files



NV4WB35AM FWHM / FWTM 18.0° / 46.0° Efficiency 85 % Peak intensity 3.7 cd/lm LEDs/each optic Light colour/type White Required components:



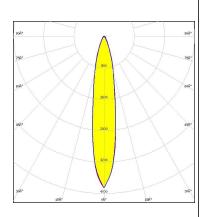
Light distribution files



### **WNICHIA**

LED NV4WB35AM
FWHM / FWTM 18.0° / 45.0°
Efficiency 85 %
Peak intensity 3.9 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:

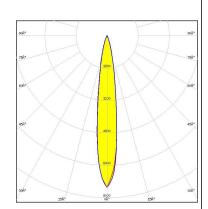


Light distribution files



LED NVSW219F
FWHM / FWTM 14.0° / 34.0°
Efficiency 88 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour/type White

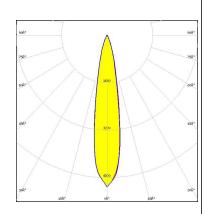
Required components:



Light distribution files



LED NVSW519A
FWHM / FWTM 19.0° / 40.0°
Efficiency 85 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



### **WNICHIA**

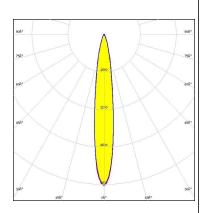
LFD NVSxx19B/NVSxx19C

White

 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 14.0° / 34.0° Efficiency 84 % Peak intensity 6.5 cd/lm LEDs/each optic 1

Required components:

Light colour/type



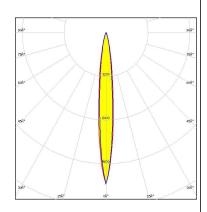
Light distribution files

# OSRAM Opto Semiconductore

OSLON Boost HX (KW CULPM1.TG) LED

FWHM / FWTM 11.0° / 27.0° Efficiency 88 % Peak intensity 11.1 cd/lm LEDs/each optic 1 Light colour/type White

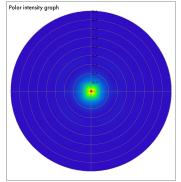
Required components:

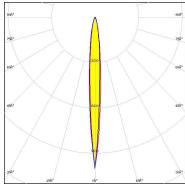


Light distribution files

#### **OSRAM**

LED SFH 4716AS FWHM / FWTM 8.0° / 26.0° Efficiency 83 % LEDs/each optic 1 Light colour/type IR Required components:





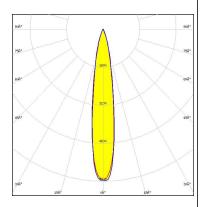
Light distribution files



# SAMSUNG

LED LH351C
FWHM / FWTM 16.0° / 37.0°
Efficiency 91 %
Peak intensity 6.4 cd/lm
LEDs/each optic 1
Light colour/type White

Required components:



Light distribution files



# PRODUCT DATASHEET FA10886\_TINA-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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# Local sales and technical support

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