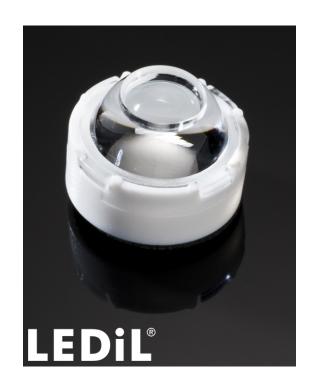


#### TINA3-S

~13° spot beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.

#### **SPECIFICATION:**

Dimensions	Ø 16.1 mm
Height	11.4 mm
Fastening	tape, pin
ROHS compliant	yes 🕕



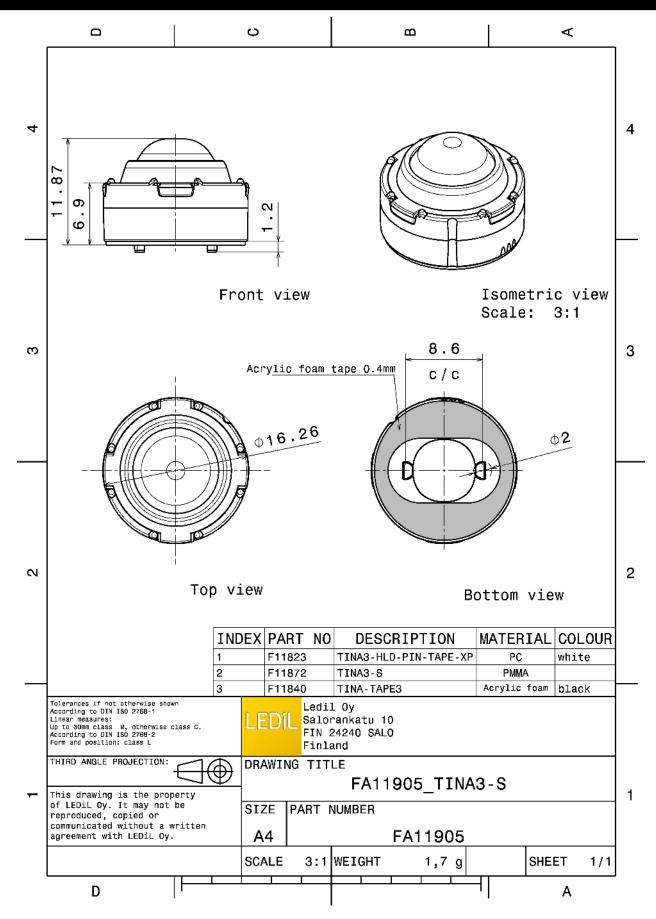
#### **MATERIALS:**

Component	Туре	Material	Colour	Finish
TINA3-S	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11905_TINA3-S	Single lens	2016	288	288	3.7
» Box size:					





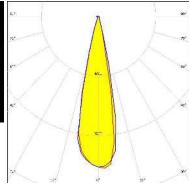
See also our general installation guide: www.ledil.com/installation\_guide



## CREE . LED

LED XM-L
FWHM / FWTM 23.0° / 30.0°
Efficiency 86 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:



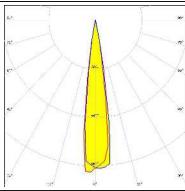


#### CREE & LED

LED XP-E
FWHM / FWTM 10.0° / 16.0°
Efficiency 86 %
Peak intensity 15.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:

#### CREE - LED

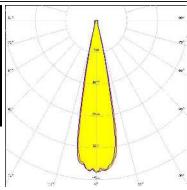
LED XP-G
FWHM / FWTM 15.0° / 25.0°
Efficiency 86 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



#### CREE - LED

LED XP-L HD
FWHM / FWTM 23.0° / 32.0°
Efficiency 87 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



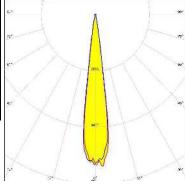




#### CREE \$\text{LED}

LED XP-L HI
FWHM / FWTM 15.0° / 22.0°
Efficiency 88 %
Peak intensity 8.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:





## **MUMILEDS**

LED LUXEON A
FWHM / FWTM 16.0° / 23.0°
Efficiency 83 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



## **MILEDS**

LED LUXEON Rebel
FWHM / FWTM 11.0° / 18.0°
Efficiency 83 %
Peak intensity 12.9 cd/lm
LEDs/each optic 1
Light colour White



Required components:

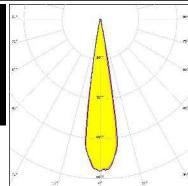
LED LUXEON Rebel ES
FWHM / FWTM 18.5° / 22.0°
Efficiency 82 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



### **WNICHIA**

LED NVSW219F FWHM / FWTM 18.0° / 24.0° Efficiency 85 % Peak intensity 6.1 cd/lm LEDs/each optic Light colour White Required components:



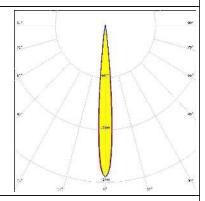


#### WNICHIA

LED NVSxx19A FWHM / FWTM 16.5° / 23.0° Efficiency 87 % Peak intensity 6.8 cd/lm LEDs/each optic 1 White Light colour Required components:

## OSRAM Opto Semiconductors

LED OSLON SSL 150 FWHM / FWTM 9.0° / 14.0° Efficiency 84 % Peak intensity 18.4 cd/lm LEDs/each optic Light colour White Required components:



## OSRAM Opto Semiconductors

LED

OSLON SSL 80

FWHM / FWTM

11.0° / 17.0°

Efficiency Peak intensity 86 % 14 cd/lm

LEDs/each optic Light colour

White

Required components:





LED Z5

LEDs/each optic 1
Light colour White
Required components:



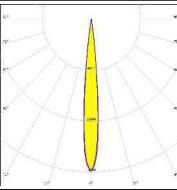


White

## CREE . LED

LED XP-E2  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 10.0° / 17.0° Efficiency 92 % Peak intensity 19.1 cd/lm LEDs/each optic

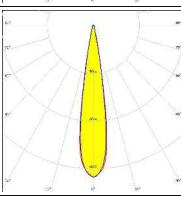
Light colour Required components:



#### CREE & LED

LED XP-G3 FWHM / FWTM 18.0° / 28.0° Efficiency 78 % Peak intensity 5.1 cd/lm LEDs/each optic 1 Blue Light colour

Required components:

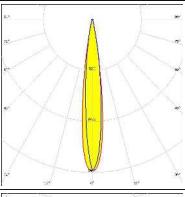


## LUMILEDS

LED LUXEON 2835 Line FWHM / FWTM 13.0° / 25.0° Efficiency 91 %

Peak intensity 9.5 cd/lm LEDs/each optic 1 Light colour White

Required components:



#### **ELUMINUS**

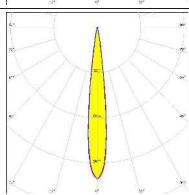
SST-20 FWHM / FWTM 12.0° / 22.0° Efficiency 86 %

Peak intensity 10.8 cd/lm LEDs/each optic

White

Required components:

Light colour







LED NV4WB35AM  $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 22.0° / 41.0° Efficiency 90 % Peak intensity 4.6 cd/lm LEDs/each optic Light colour White

#### WNICHIA

Required components:

LED NVSW519A FWHM / FWTM 24.0° / 32.0° Efficiency 82 % Peak intensity 4.1 cd/lm LEDs/each optic 1 White Light colour Required components:

#### **WNICHIA**

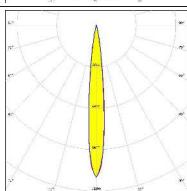
LED NVSxx19B/NVSxx19C

FWHM / FWTM 18.0° / 26.0° Efficiency 83 % Peak intensity 6 cd/lm LEDs/each optic Light colour White Required components:

## OSRAM Opto Semiconductors

LED OSLON Black FWHM / FWTM 12.0° / 23.0° Efficiency 86 % Peak intensity 11.8 cd/lm LEDs/each optic White Light colour

Required components:





#### OSRAM Opto Semiconductors

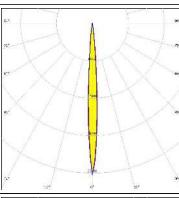
 LED
 SFH 4714A

 FWHM / FWTM
 7.0° / 14.0°

 Efficiency
 84 %

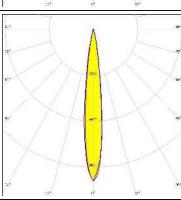
 Peak intensity
 26 cd/lm

LEDs/each optic 1
Light colour IR
Required components:



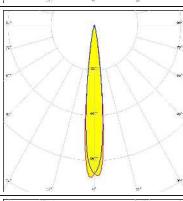
#### OSRAM Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 13.0° / 25.0°
Efficiency 88 %
LEDs/each optic 1
Light colour IR
Required components:



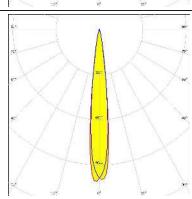
#### OSRAM Opto Semiconduct

LED SFH 4715S
FWHM / FWTM 13.0° / 24.0°
Efficiency 87 %
LEDs/each optic 1
Light colour IR
Required components:



#### OSRAM Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 13.0° / 24.0°
Efficiency 87 %
LEDs/each optic 1
Light colour IR
Required components:







10/11



# PRODUCT DATASHEET FA11905\_TINA3-S

#### **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.

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