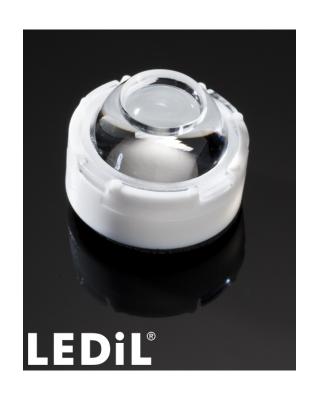


TINA3-S

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

TECHNICAL SPECIFICATIONS:

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



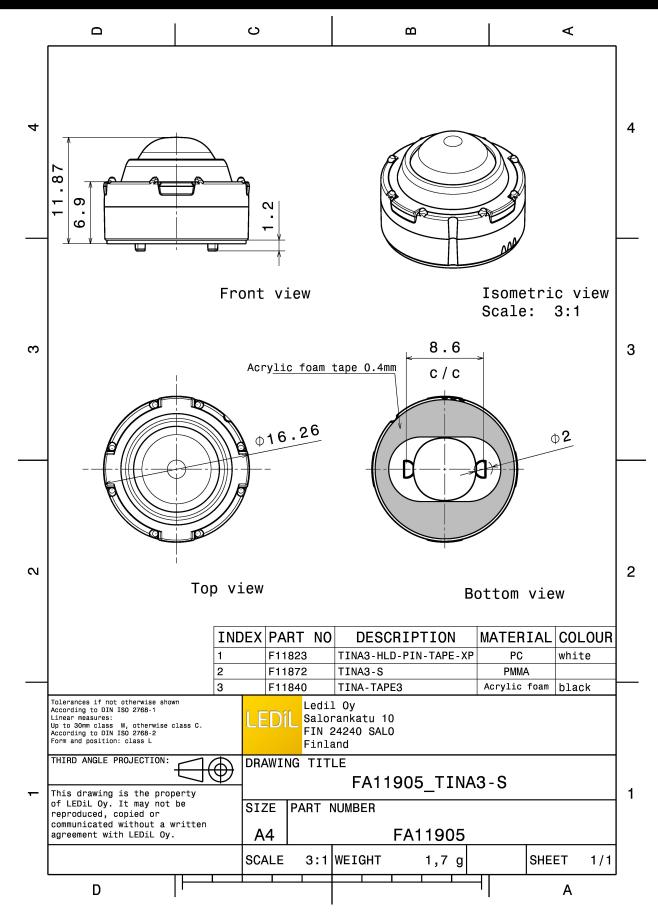
MATERIAL SPECIFICATIONS:

| 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: | | | | | |





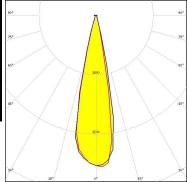
See also our general installation guide: www.ledil.com/installation_guide



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:



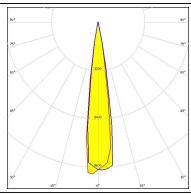


CREE - LED

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

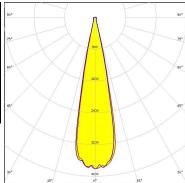
LED XP-G
FWHM / FWTM 15.0° / 25.0°
Efficiency 86 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



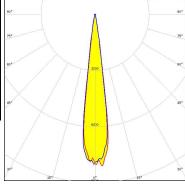




CREE - LED

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:





LUMILEDS

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:



MATERIAL PROPERTY OF THE PROP

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:

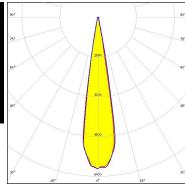
LED LUXEON Rebel ES
FWHM / FWTM 18.5° / 22.0°
Efficiency 82 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



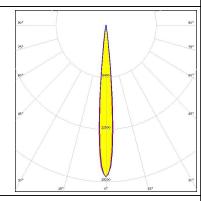


WNICHIA

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 $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 9.0° / 14.0° Efficiency 84 % Peak intensity 18.4 cd/lm LEDs/each optic Light colour White Required components:



OSRAM

LED

OSLON SSL 80 FWHM / FWTM 11.0° / 17.0° Efficiency 86 % Peak intensity 14 cd/lm LEDs/each optic White Light colour Required components:





LED Z5

 $\begin{tabular}{ll} FWHM / FWTM & 10.0^{\circ} / 17.0^{\circ} \\ Efficiency & 80 \% \\ Peak intensity & 16.4 cd/lm \\ \end{tabular}$

LEDs/each optic 1
Light colour White
Required components:

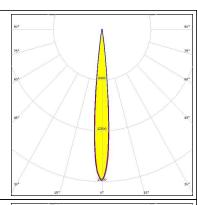




CREE 1 LED

LED XP-E2
FWHM / FWTM 10.0° / 17.0°
Efficiency 92 %
Peak intensity 19.1 cd/lm
LEDs/each optic 1
Light colour White

Light colour
Required components:



CREE - LED

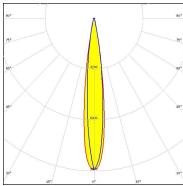
LED XP-G3
FWHM / FWTM 18.0° / 28.0°
Efficiency 78 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:

MILEDS

LED LUXEON 2835 Line
FWHM / FWTM 13.0° / 25.0°
Efficiency 91 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1

White

Light colour
Required components:



ELUMINUS

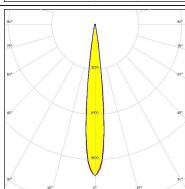
 LED
 SST-20

 FWHM / FWTM
 12.0° / 22.0°

 Efficiency
 86 %

 Peak intensity
 10.8 cd/lm

LEDs/each optic 1
Light colour White
Required components:

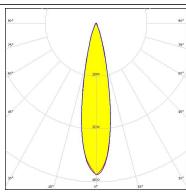




WNICHIA

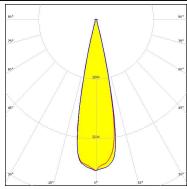
LED NV4WB35AM
FWHM / FWTM 22.0° / 41.0°
Efficiency 90 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour White

Light colour White
Required components:



WNICHIA

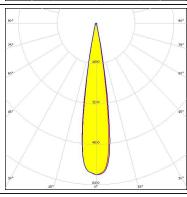
LED NVSW519A
FWHM / FWTM 24.0° / 32.0°
Efficiency 82 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



WNICHIA

LED NVSxx19B/NVSxx19C

FWHM / FWTM 18.0° / 26.0°
Efficiency 83 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

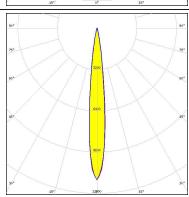
 LED
 OSLON Black

 FWHM / FWTM
 12.0° / 23.0°

 Efficiency
 86 %

 Peak intensity
 11.8 cd/lm

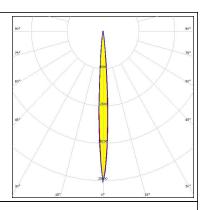
LEDs/each optic 1
Light colour White
Required components:





OSRAM

LED SFH 4714A $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 7.0° / 14.0° Efficiency 84 % Peak intensity 26 cd/lm LEDs/each optic Light colour IR Required components:

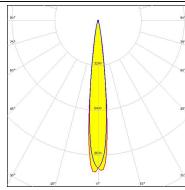


OSRAM Opto Semiconductors

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

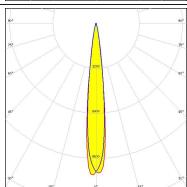
OSRAM Opto Semiconductor

LED SFH 4715S $\mathsf{FWHM}\,/\,\mathsf{FWTM}$ 13.0° / 24.0° Efficiency 87 % LEDs/each optic 1 Light colour IR Required components:



OSRAM

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









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:

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