

## TINA3-W

~40° wide beam optimized for CREE XP-E.  
Assembly with holder, installation tape and location pins.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

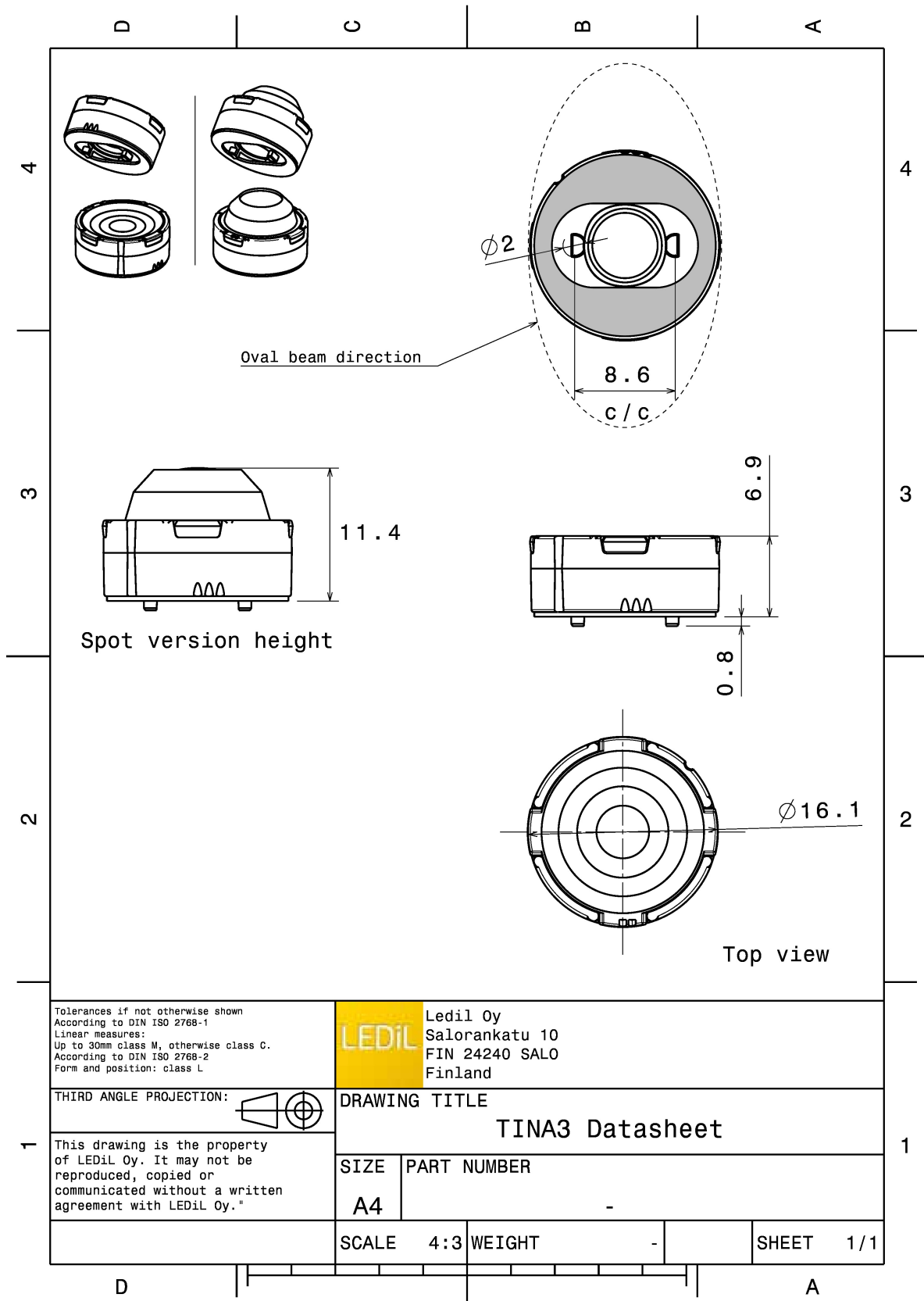
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA3-W	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11824_TINA3-W	Single lens	2016	288	288	3.2
» Box size:					





### PHOTOMETRIC DATA (MEASURED):

#### CREE

LED XB-D  
FWHM 40.0°  
Efficiency 91 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

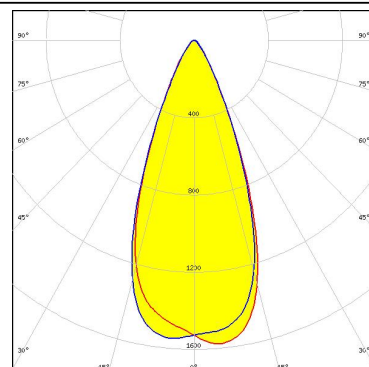
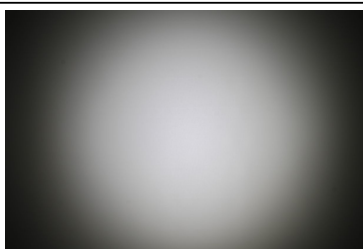
LED XP-E  
FWHM 41.0°  
Efficiency 93 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-G  
FWHM 32.0°  
Efficiency 93 %  
Peak intensity 1.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE

LED XP-L HI  
FWHM 43.0°  
Efficiency 91 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## PHOTOMETRIC DATA (MEASURED):

### LUMILEDS

LED LUXEON A  
FWHM 44.0°  
Efficiency 90 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### LUMILEDS

LED LUXEON Rebel  
FWHM 38.0°  
Efficiency 83 %  
Peak intensity 1.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### LUMILEDS

LED LUXEON Rebel ES  
FWHM 45.0°  
Efficiency 91 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### NICHIA

LED NVSxx19A  
FWHM 41.0°  
Efficiency 93 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

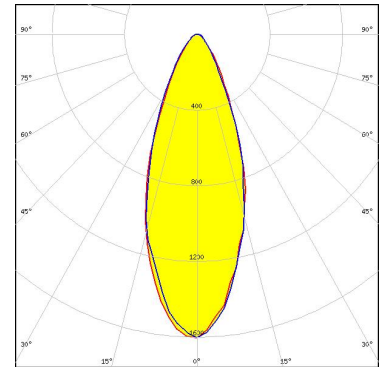
## PHOTOMETRIC DATA (MEASURED):

**OSRAM**  
Opto Semiconductors

LED OSLON SSL 150  
FWHM 37.0°  
Efficiency 89 %  
Peak intensity 2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:

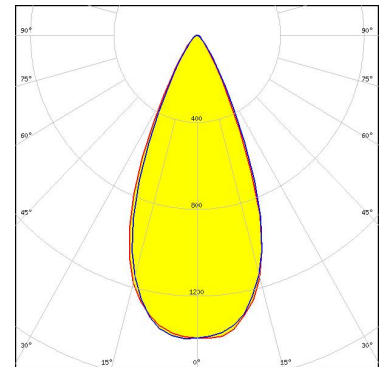
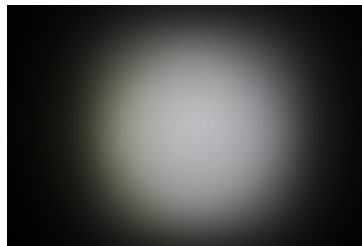
**SEOUL**  
SEMICONDUCTOR

LED Z5  
FWHM 38.0°  
Efficiency 92 %  
Peak intensity 1.6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



**SEOUL**  
SEMICONDUCTOR

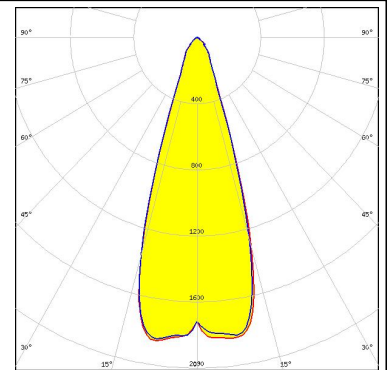
LED Z5M1/Z5M2  
FWHM 48.0°  
Efficiency 90 %  
Peak intensity 1.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



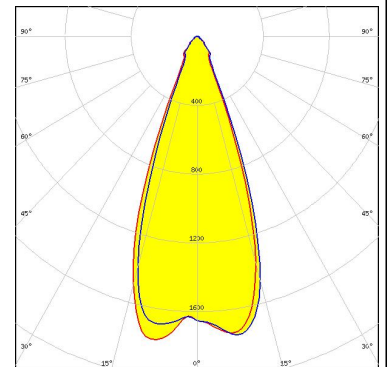
## PHOTOMETRIC DATA (SIMULATED):



LED NCSxE17A  
FWHM 36.0°  
Efficiency 81 %  
Peak intensity 1.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

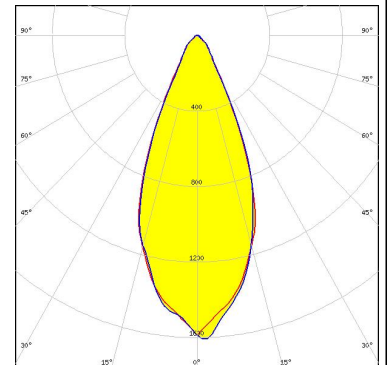


LED NCSxx19A  
FWHM 39.0°  
Efficiency 91 %  
Peak intensity 1.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P  
FWHM 42.0°  
Efficiency 94 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### 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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