

## TINA3-S

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

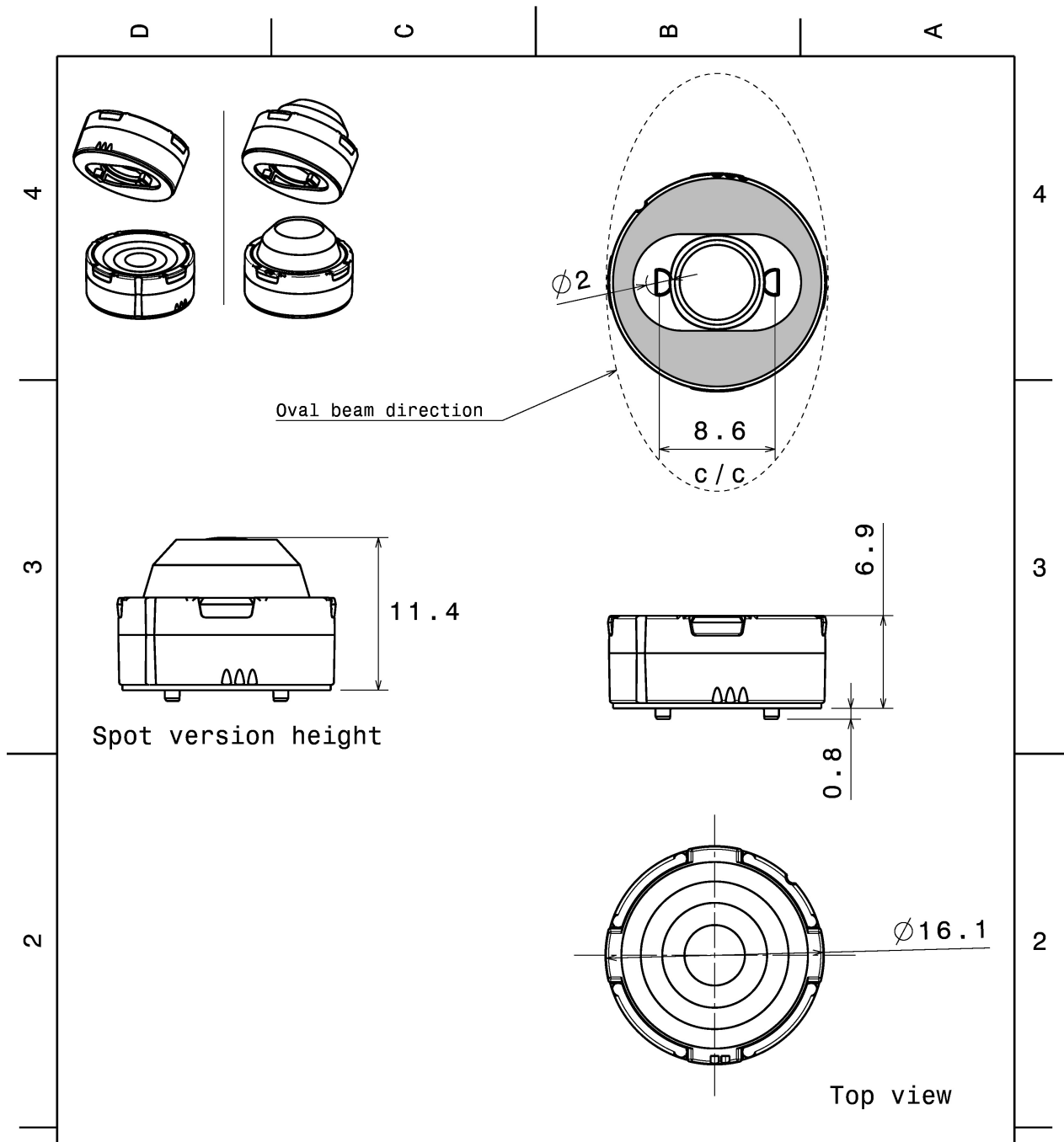
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11.4 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	3.7 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA3-S	Lens	PMMA	clear
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white
TINA-TAPE3	Tape	PU tape	black



Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**LEDiL** LediL Oy  
Salorankatu 10  
FIN 24240 SALO  
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE  
**TINA3 Datasheet**

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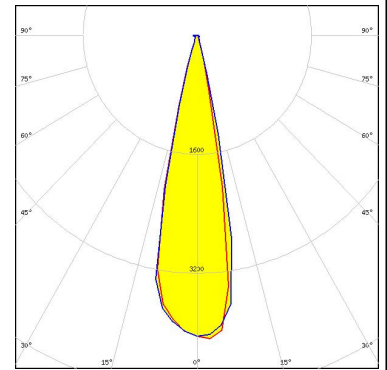
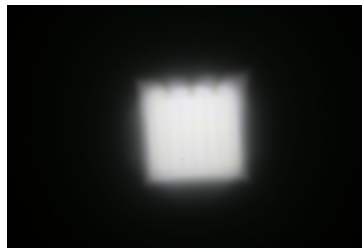
SIZE	PART NUMBER
A4	-

SCALE	4:3	WEIGHT	-	SHEET	1/1
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#### PHOTOMETRIC DATA (MEASURED):



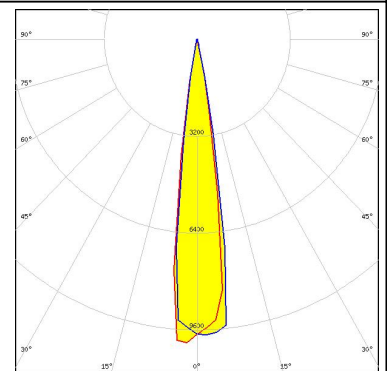
LED XM-L  
 FWHM 23.0°  
 Efficiency 86 %  
 Peak intensity 3.440 cd/lm  
 Required components:



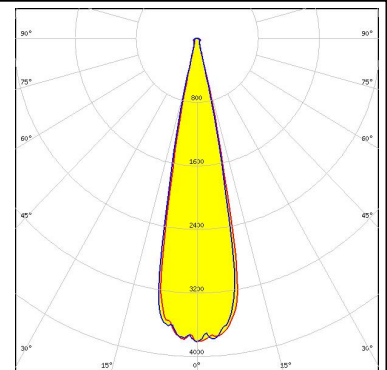
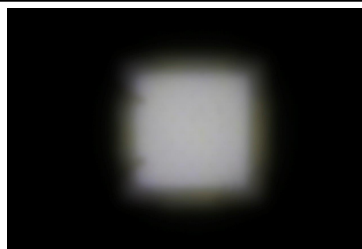
LED XP-E  
 FWHM 10.0°  
 Efficiency 86 %  
 Peak intensity 15.800 cd/lm  
 Required components:



LED XP-G  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 6.700 cd/lm  
 Required components:



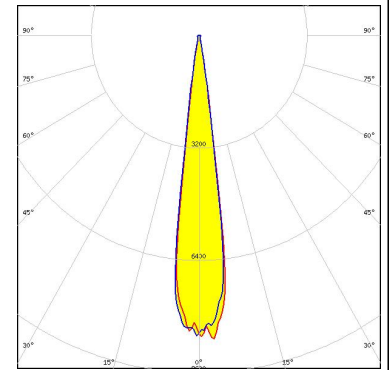
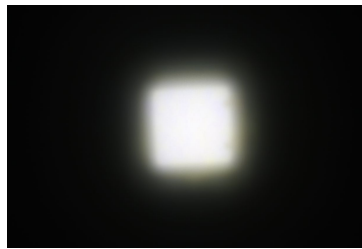
LED XP-L  
 FWHM 23.0°  
 Efficiency 87 %  
 Peak intensity 3.840 cd/lm  
 Required components:



### PHOTOMETRIC DATA (MEASURED):



LED XP-L HI  
FWHM 15.0°  
Efficiency 88 %  
Peak intensity 8.900 cd/lm  
Required components:



LED LUXEON A  
FWHM 16.0°  
Efficiency 83 %  
Peak intensity 6.700 cd/lm  
Required components:



LED LUXEON Rebel  
FWHM 11.0°  
Efficiency 83 %  
Peak intensity 12.900 cd/lm  
Required components:



LED LUXEON Rebel ES  
FWHM 18.5°  
Efficiency 82 %  
Peak intensity 6.900 cd/lm  
Required components:

## PHOTOMETRIC DATA (MEASURED):



LED NVSxx19A  
FWHM 16.5°  
Efficiency 87 %  
Peak intensity 6.800 cd/lm  
Required components:



LED Oslon SSL 150  
FWHM 9.0°  
Efficiency 84 %  
Peak intensity 18.400 cd/lm  
Required components:

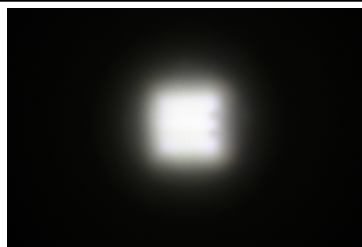


LED Oslon SSL 80  
FWHM 11.0°  
Efficiency 86 %  
Peak intensity 14.000 cd/lm  
Required components:

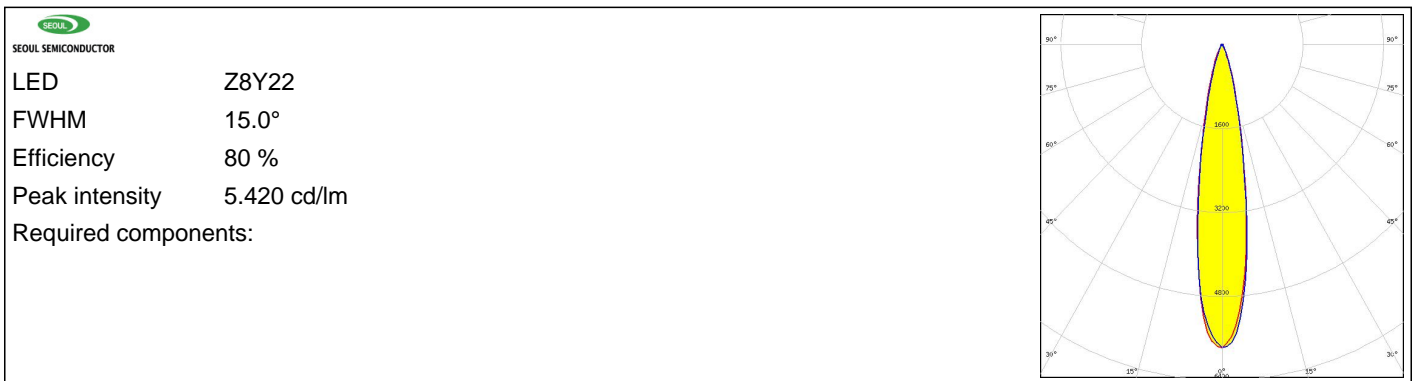


SEOUL SEMICONDUCTOR

LED Z5  
FWHM 10.0°  
Efficiency 80 %  
Peak intensity 16.390 cd/lm  
Required components:



### PHOTOMETRIC DATA (SIMULATED):



### 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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