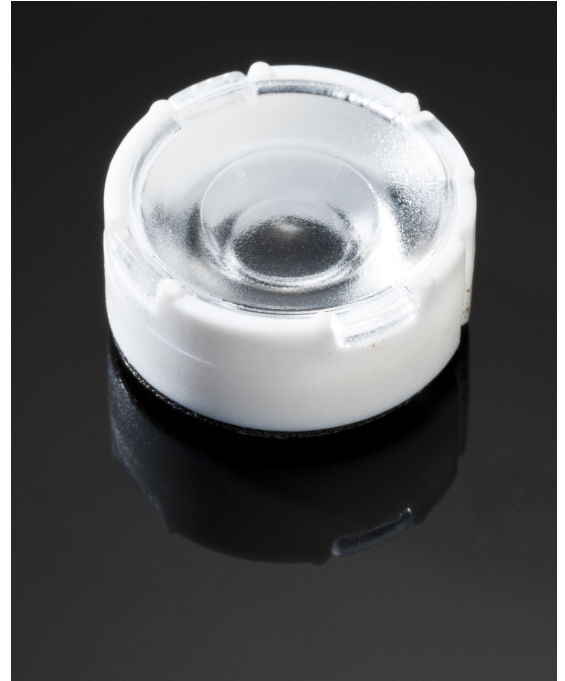


## TINA3-WWW

~70° wide beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

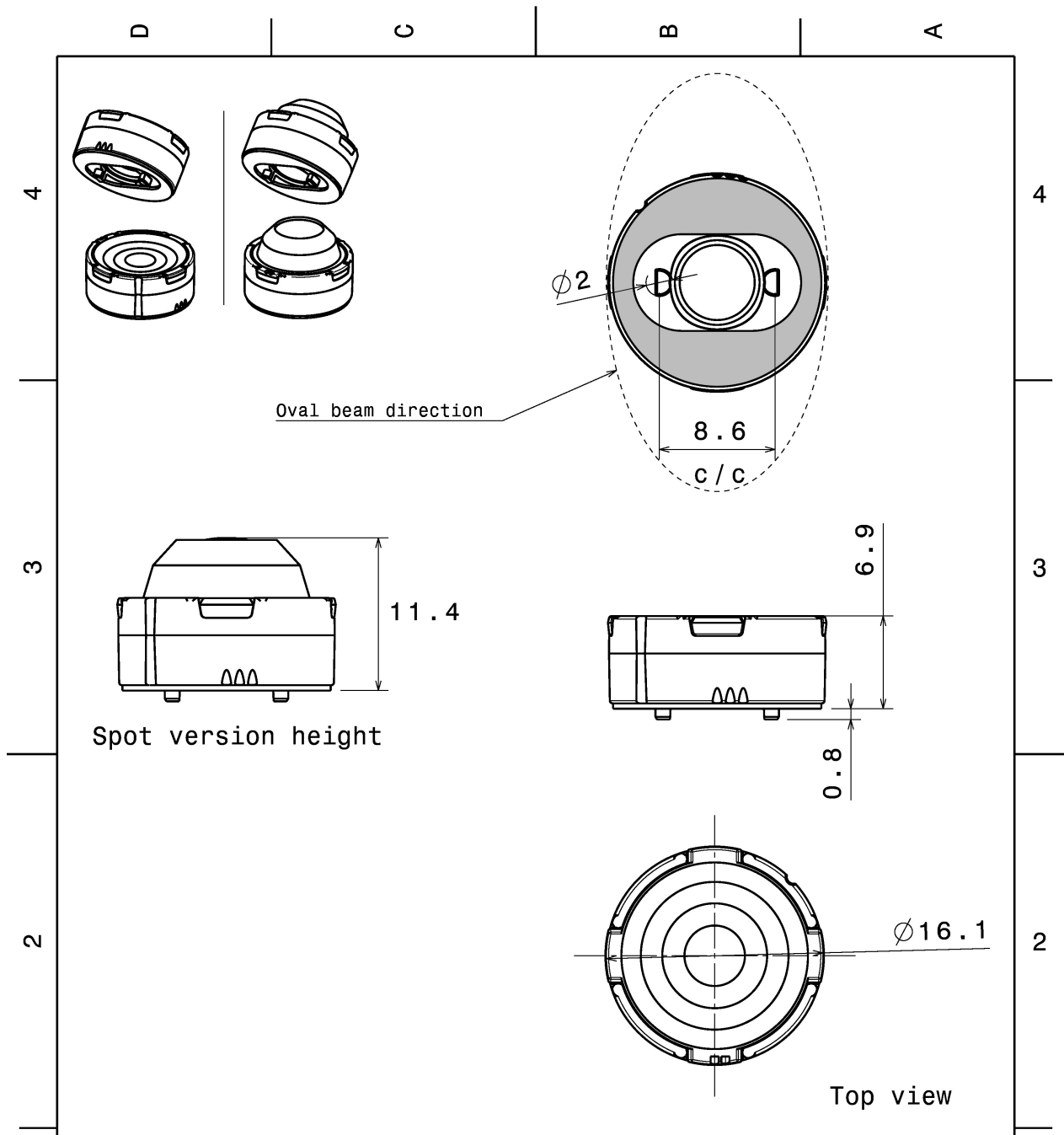
### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	3.9 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



### MATERIAL SPECIFICATIONS:

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

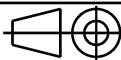


Tolerances if not otherwise shown  
According to DIN ISO 2768-1  
Linear measures:  
Up to 30mm class M, otherwise class C.  
According to DIN ISO 2768-2  
Form and position: class L

**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

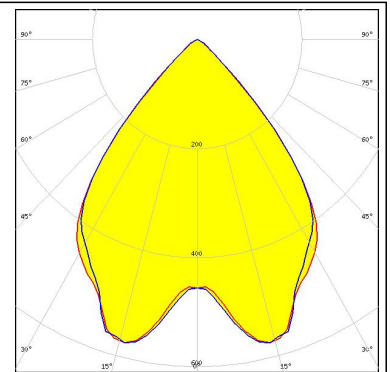
-

SHEET 1/1

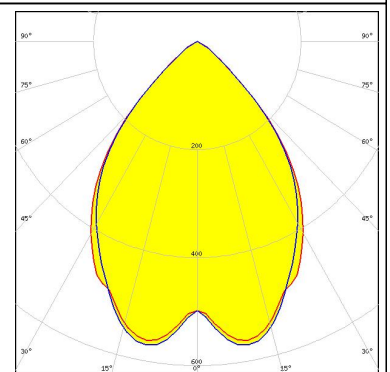
**PHOTOMETRIC DATA (MEASURED):**



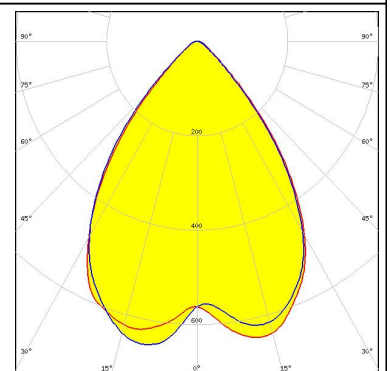
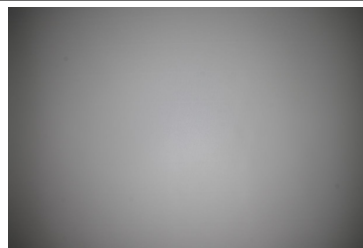
LED XP-E  
FWHM 79.0°  
Efficiency 92 %  
Peak intensity 0.460 cd/lm  
Required components:



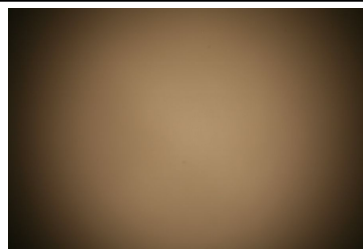
LED XP-G  
FWHM 77.0°  
Efficiency 92 %  
Peak intensity 0.500 cd/lm  
Required components:



LED XP-L HI  
FWHM 77.0°  
Efficiency 90 %  
Peak intensity 0.670 cd/lm  
Required components:



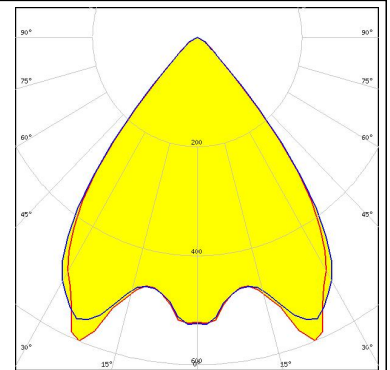
LED LUXEON A  
FWHM 80.0°  
Efficiency 90 %  
Peak intensity 0.500 cd/lm  
Required components:



### PHOTOMETRIC DATA (MEASURED):

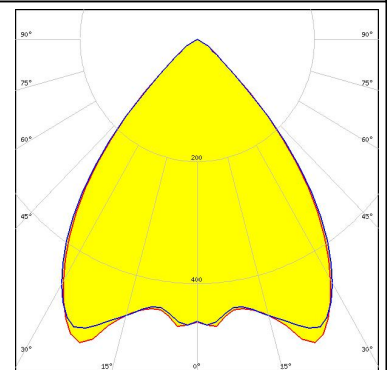
#### LUMILEDS

LED LUXEON Rebel  
FWHM 77.0°  
Efficiency 81 %  
Peak intensity 0.520 cd/lm  
Required components:



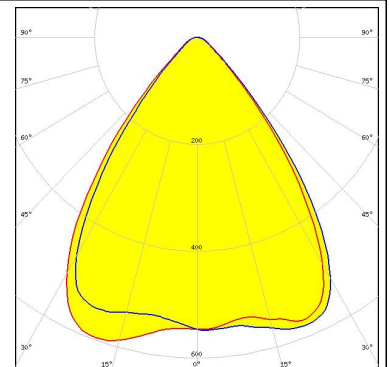
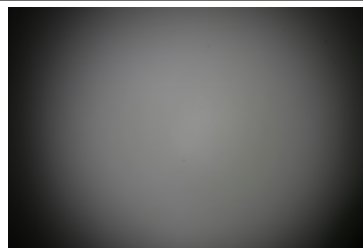
#### LUMILEDS

LED LUXEON Rebel ES  
FWHM 80.0°  
Efficiency 91 %  
Peak intensity 0.460 cd/lm  
Required components:



#### NICHIA

LED NF2x757A  
FWHM 76.0°  
Efficiency 88 %  
Peak intensity 0.600 cd/lm  
Required components:



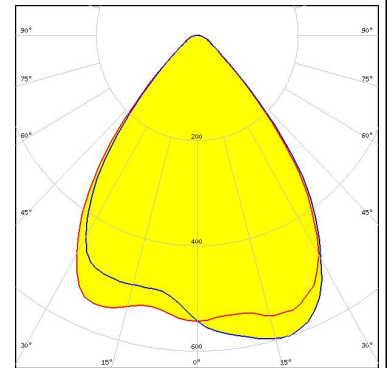
#### NICHIA

LED NVSxx19A  
FWHM 78.0°  
Efficiency 91 %  
Peak intensity 0.550 cd/lm  
Required components:

**PHOTOMETRIC DATA (MEASURED):**

**OSRAM**  
Opto Semiconductors

LED Duris S5 (2 chip)  
FWHM 80.0°  
Efficiency 88 %  
Peak intensity 0.600 cd/lm  
Required components:

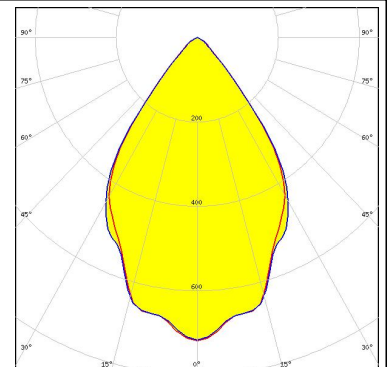


**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 68.0°  
Efficiency 88 %  
Peak intensity 0.700 cd/lm  
Required components:

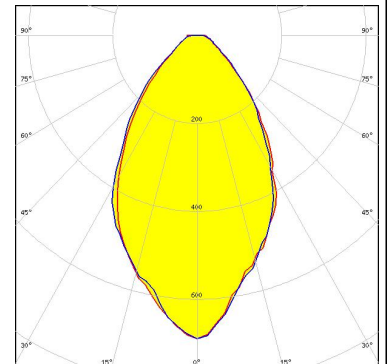
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 69.0°  
Efficiency 88 %  
Peak intensity 0.700 cd/lm  
Required components:



**SEOL**  
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 62.0°  
Efficiency 89 %  
Peak intensity 0.700 cd/lm  
Required components:



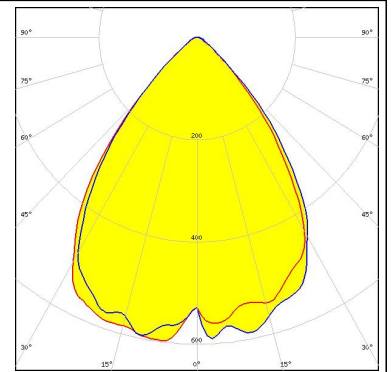
## PHOTOMETRIC DATA (MEASURED):



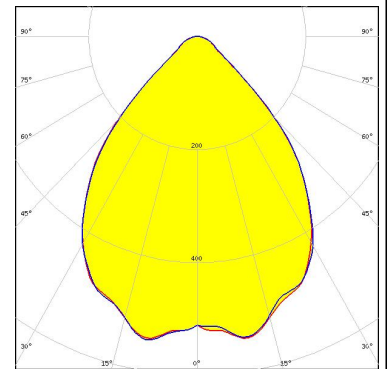
### PHOTOMETRIC DATA (SIMULATED):



LED NF2x757G  
FWHM 75.0°  
Efficiency 88 %  
Peak intensity 0.610 cd/lm  
Required components:



LED Z8Y22P  
FWHM 84.0°  
Efficiency 90 %  
Peak intensity 0.540 cd/lm  
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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