

## TINA2-RS

~14° spot beam optimized for CREE XP-E.  
Assembly with holder and installation tape.

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

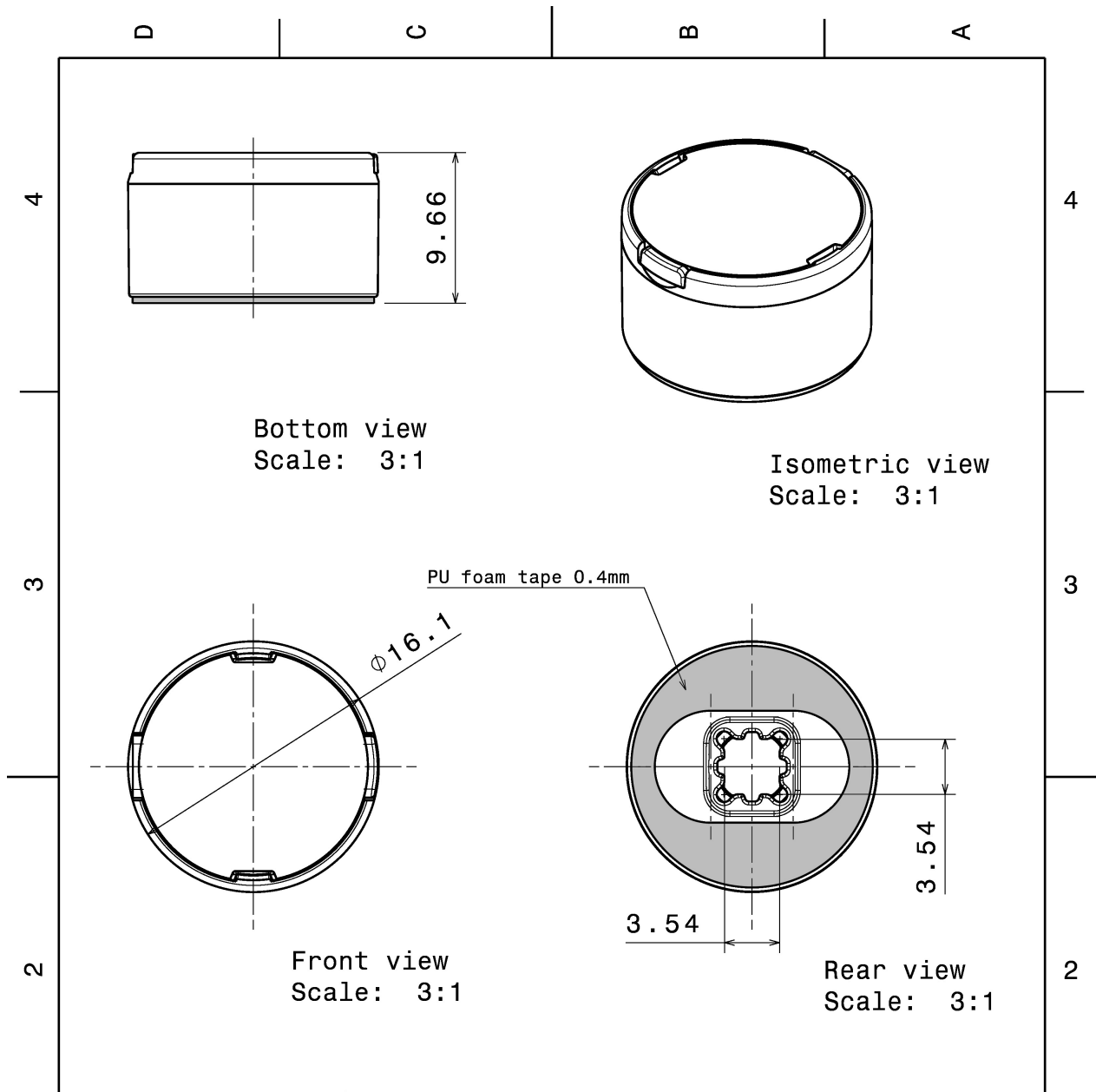
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black	
TINA-TAPE3	Tape	PU tape	black	



### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11016_TINA2-RS	Single lens	4140	230	230	8.1
» Box size: 451 x 241 x 298 mm					



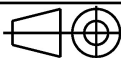
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2-lens	PMMA	
2	C11418	TINA2-XP-HLD-TAPE-BLK	PC	black

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

TINA2-XP-series assembly

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SIZE PART NUMBER

A4

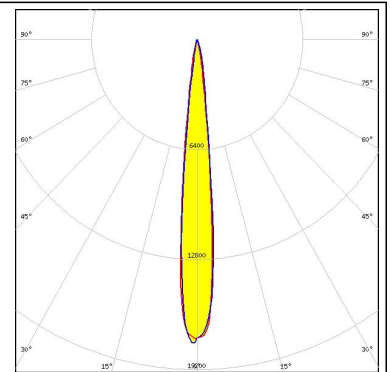
-

SCALE 3:1 WEIGHT 1,3 g SHEET 1/1

#### PHOTOMETRIC DATA (MEASURED):

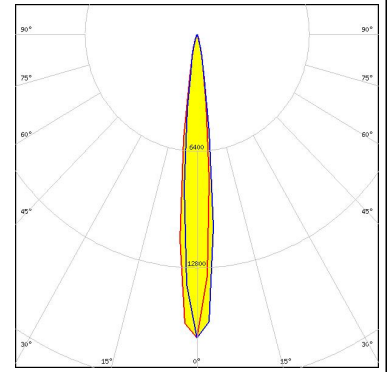
**CREE** 

LED XP-E  
 FWHM 11.0°  
 Efficiency 90 %  
 Peak intensity 17.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



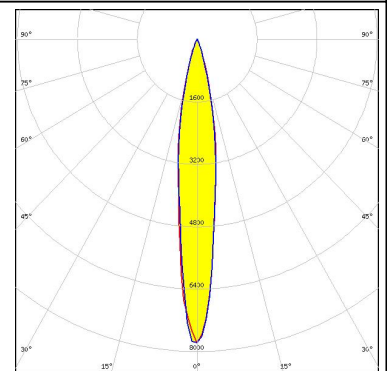
**CREE** 

LED XP-E2  
 FWHM 11.0°  
 Efficiency 89 %  
 Peak intensity 16.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



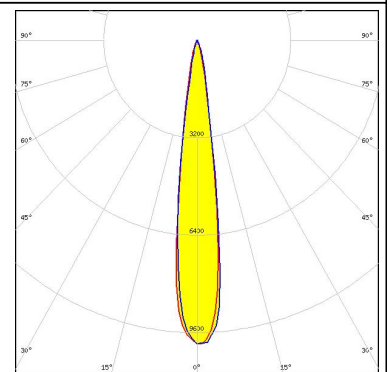
**CREE** 

LED XP-G  
 FWHM 15.0°  
 Efficiency 93 %  
 Peak intensity 9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



**CREE** 

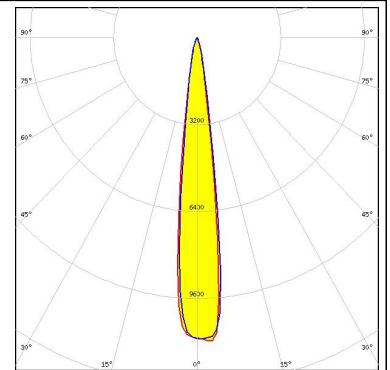
LED XP-G2  
 FWHM 15.0°  
 Efficiency 91 %  
 Peak intensity 10 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### PHOTOMETRIC DATA (MEASURED):

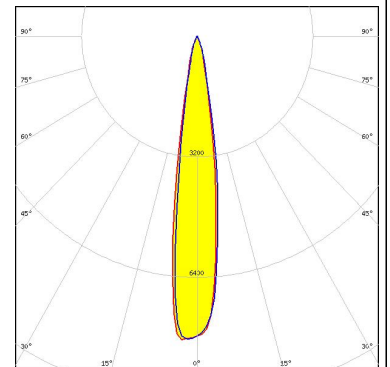
##### LG Innotek

LED H35B0 (LEMWA32)  
 FWHM 14.0°  
 Efficiency 91 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



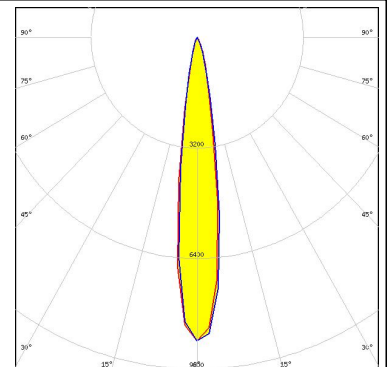
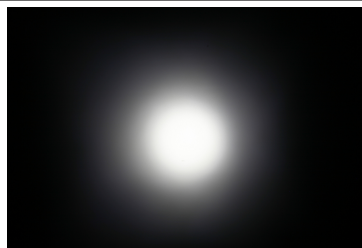
##### LG Innotek

LED H35C0 (LEMWA33)  
 FWHM 16.0°  
 Efficiency 91 %  
 Peak intensity 8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



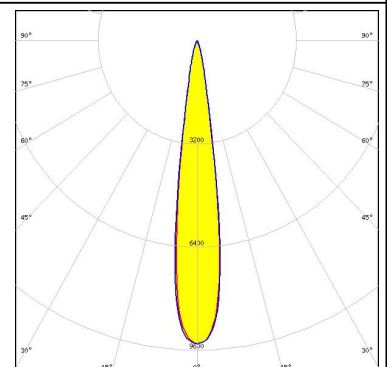
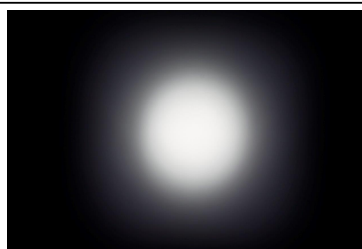
##### LG Innotek

LED H35C1 (LEMWA33)  
 FWHM 16.0°  
 Efficiency 88 %  
 Peak intensity 8.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### PHILIPS

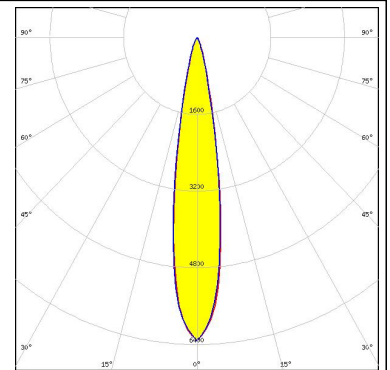
LED Fortimo FastFlex 2x8 DS G3  
 FWHM 15.0°  
 Efficiency 86 %  
 Peak intensity 9.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



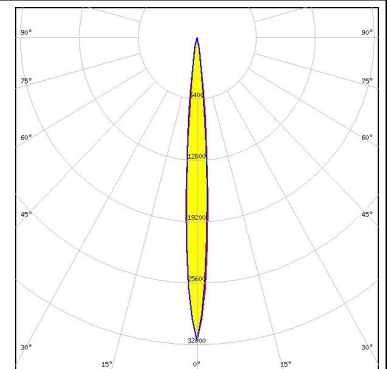
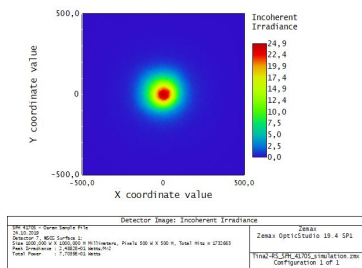
### PHOTOMETRIC DATA (SIMULATED):



**LED** XP-G2 HE  
**FWHM** 18.0°  
**Efficiency** 80 %  
**Peak intensity** 6.3 cd/lm  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** SFH 4170S  
**FWHM** 8.5°  
**Efficiency** 78 %  
**LEDs/each optic** 1  
**Light colour** White  
**Required components:**



**LED** Z5  
**FWHM** 8.0°  
**Efficiency** 91 %  
**Peak intensity** 31.6 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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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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