

TINA2-D

~16° diffused spot beam optimized for CREE XP-E. Assembly with holder and installation tape.

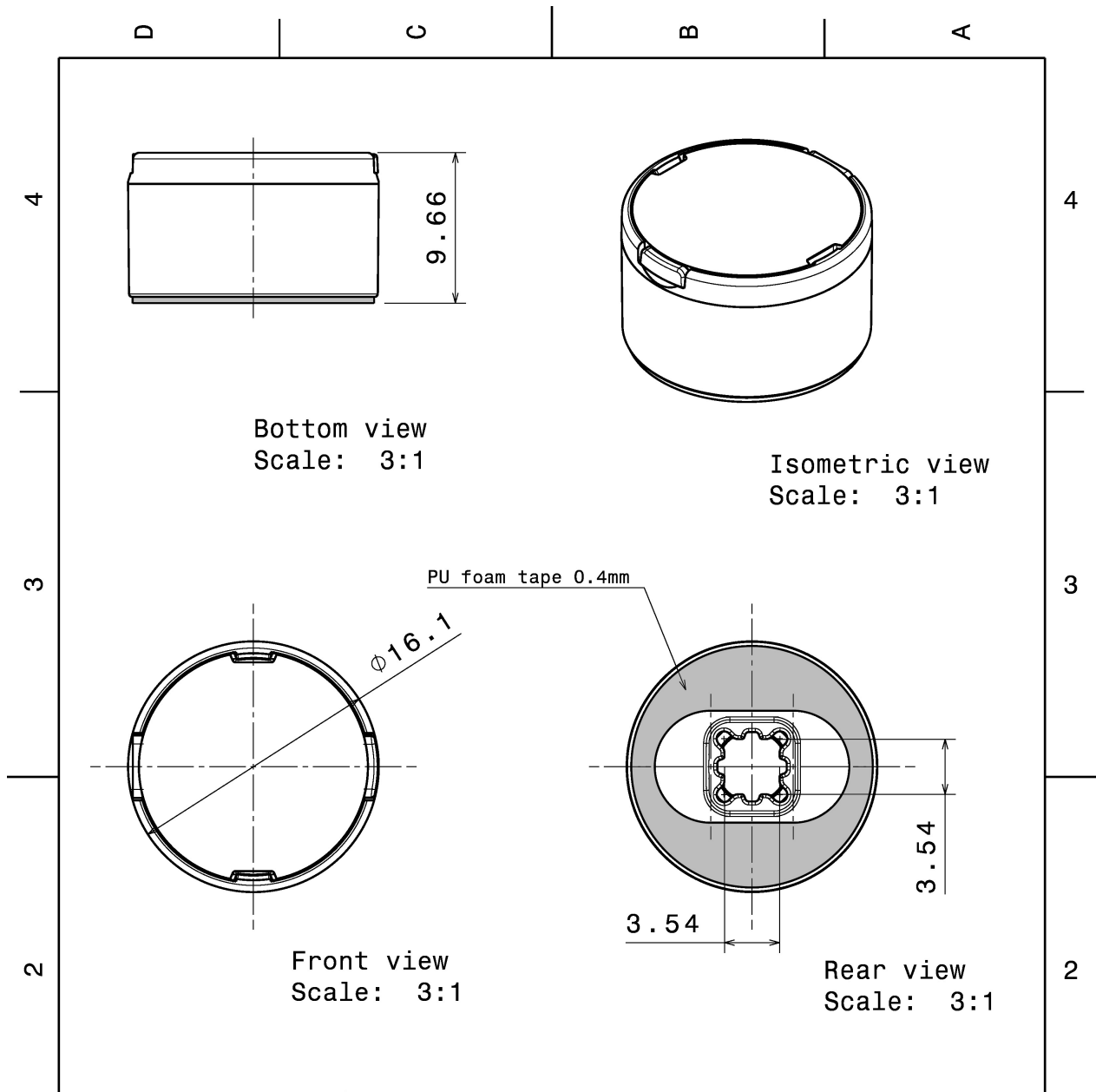
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.8 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA2-XP-D	Lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



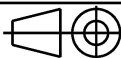
INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	TINA2-lens	PMMA	
2	C11418	TINA2-XP-HLD-TAPE-BLK	PC	black

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

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THIRD ANGLE PROJECTION:



DRAWING TITLE

TINA2-XP-series assembly

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SIZE PART NUMBER

A4

-

SCALE

3:1

WEIGHT

1,3 g

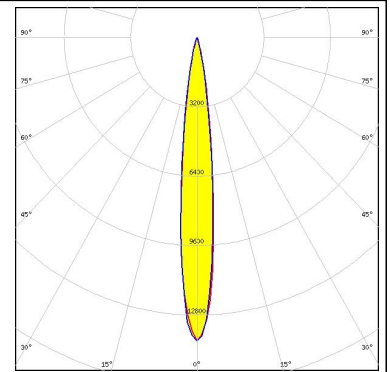
SHEET

1/1

PHOTOMETRIC DATA (MEASURED):

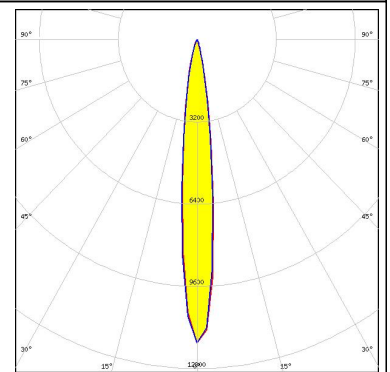
CREE 

LED XP-E
FWHM 12.0°
Efficiency 91 %
Peak intensity 10.300 cd/lm
Required components:



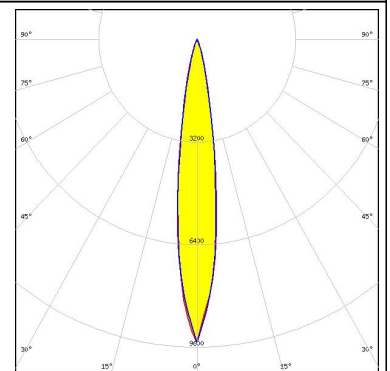
CREE 

LED XP-E2
FWHM 13.0°
Efficiency 86 %
Peak intensity 11.800 cd/lm
Required components:



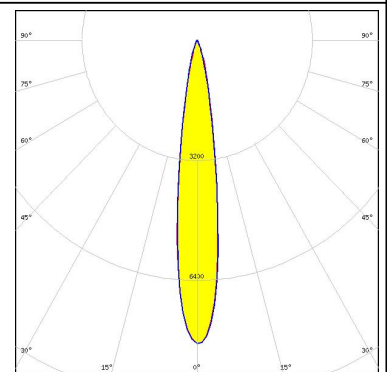
CREE 

LED XP-G
FWHM 17.0°
Efficiency 91 %
Peak intensity 5.520 cd/lm
Required components:



CREE 

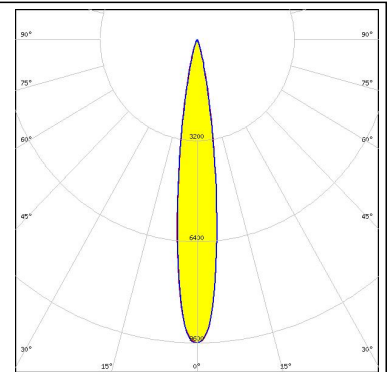
LED XP-G2
FWHM 15.0°
Efficiency 90 %
Peak intensity 8.000 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):

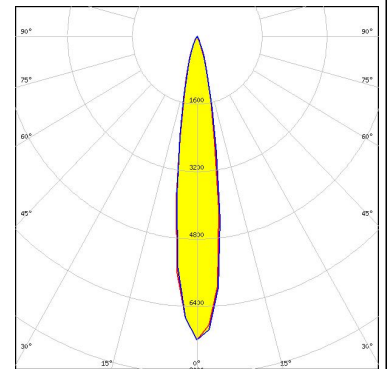
CREE 

LED XT-E
FWHM 16.0°
Efficiency %
Peak intensity 6.170 cd/lm
Required components:



 **LG Innotek**

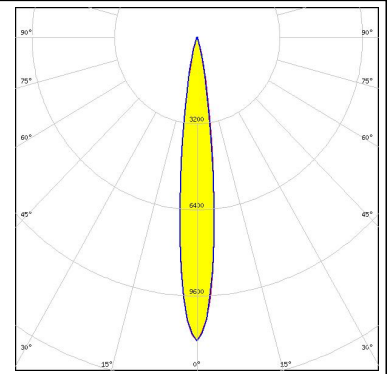
LED H35C1 (LEMWA33)
FWHM 17.0°
Efficiency 86 %
Peak intensity 7.200 cd/lm
Required components:



PHOTOMETRIC DATA (SIMULATED):

CREE 

LED XD16
FWHM 13.0°
Efficiency 87 %
Peak intensity 11.270 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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