

TINA2-D

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



TECHNICAL SPECIFICATIONS:

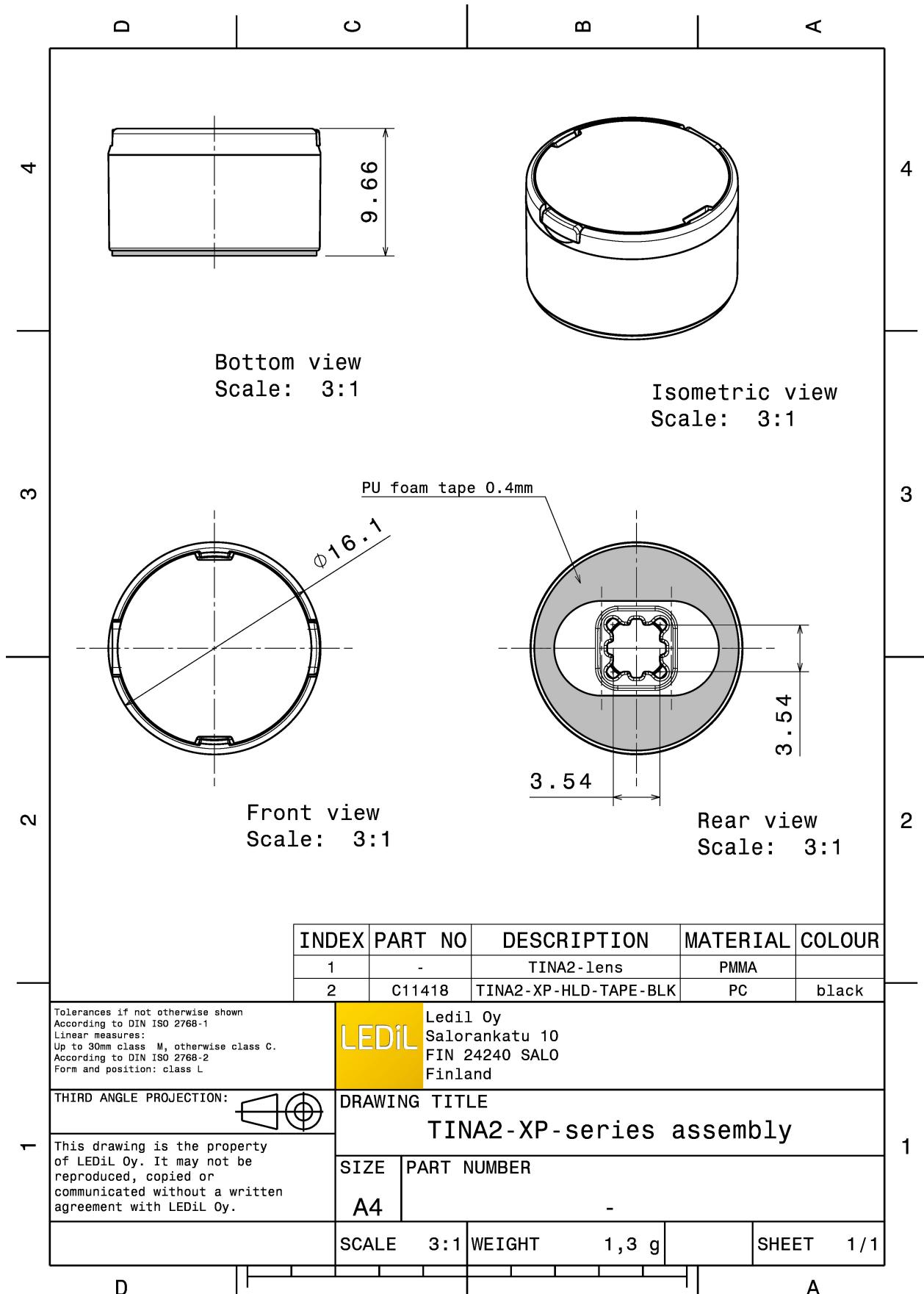
Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

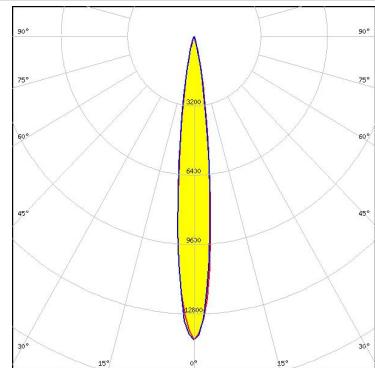
Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11420_TINA2-D » Box size: 451 x 241 x 298 mm	Single lens	4140	230	230



PHOTOMETRIC DATA (MEASURED):

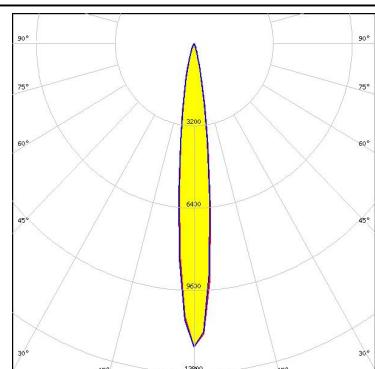
CREE 

LED XP-E
FWHM 12.0°
Efficiency 91 %
Peak intensity 10.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



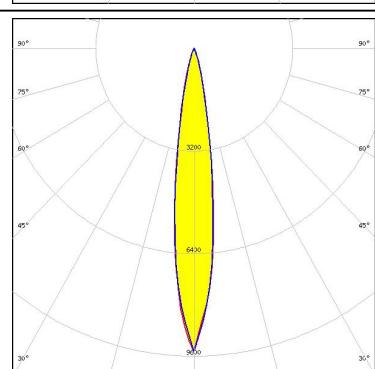
CREE 

LED XP-E2
FWHM 13.0°
Efficiency 86 %
Peak intensity 11.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



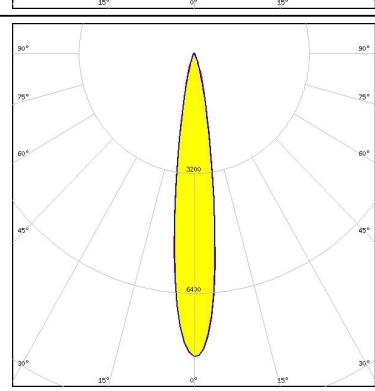
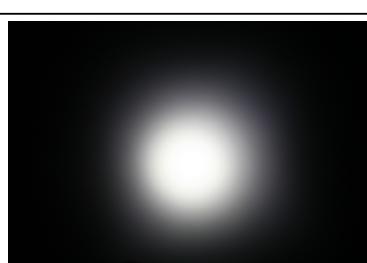
CREE 

LED XP-G
FWHM 17.0°
Efficiency 91 %
Peak intensity 5.520 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

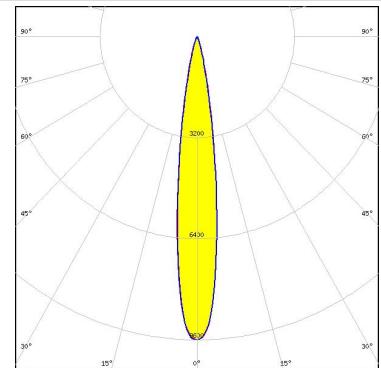
LED XP-G2
FWHM 15.0°
Efficiency 90 %
Peak intensity 8.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

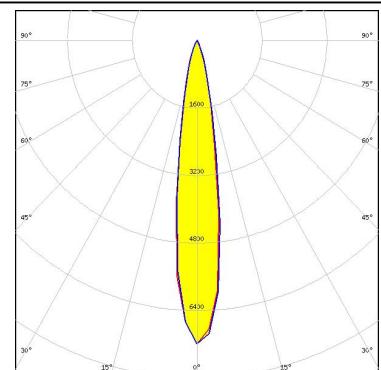
CREE 

LED XT-E
FWHM 16.0°
Efficiency %
Peak intensity 6.170 cd/lm
LEDs/each optic 1
Light colour White
Required components:



 **LG Innotech**

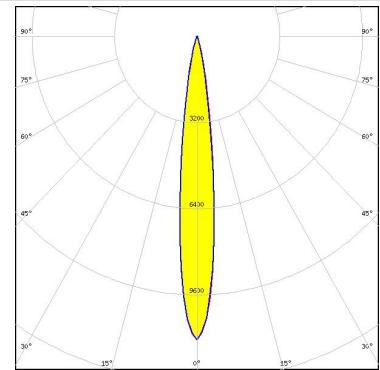
LED H35C1 (LEMWA33)
FWHM 17.0°
Efficiency 86 %
Peak intensity 7.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

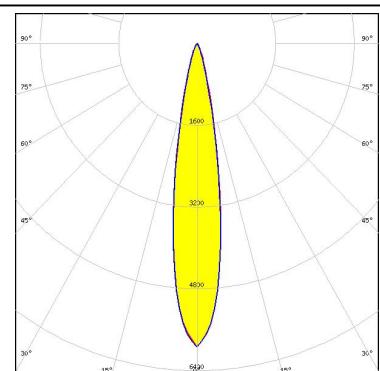
CREE 

LED XD16
FWHM 13.0°
Efficiency 87 %
Peak intensity 11.270 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE 

LED XP-G2 HE
FWHM 18.0°
Efficiency 80 %
Peak intensity 5.935 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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