

TINA2-O

~35° + 15° oval beam optimized for CREE XP-E.
Assembly with holder and installation tape.

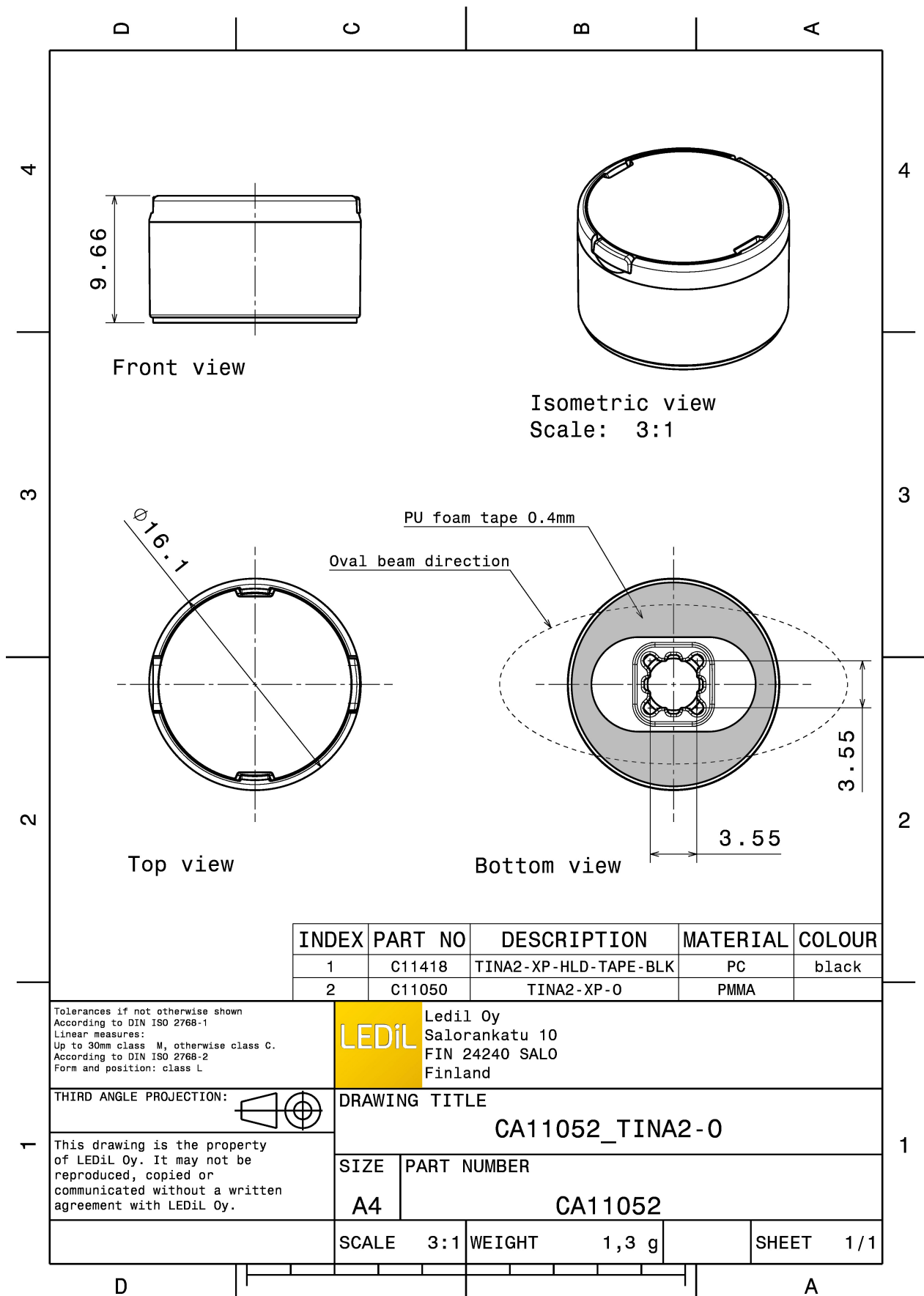
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.7 mm
Fastening	tape
Colour	black
Box size	451 x 241 x 298 mm
Box weight	8.3 kg
Quantity in Box	4140 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

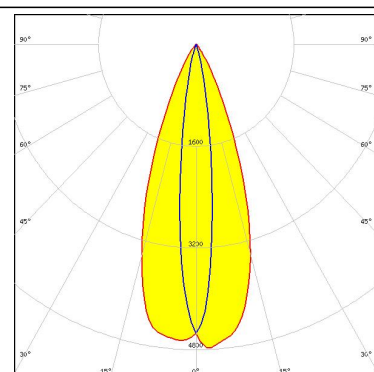
Component	Type	Material	Colour
TINA2-XP-O	Single lens	PMMA	clear
TINA2-XP-HLD-TAPE-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



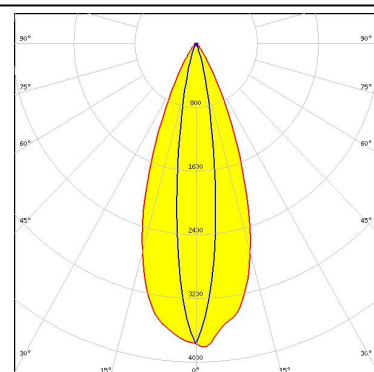
PHOTOMETRIC DATA (MEASURED):



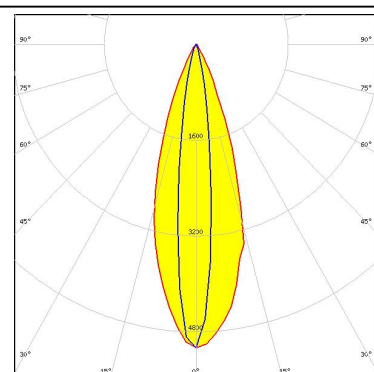
LED XP-E
FWHM 32.0 + 14.0°
Efficiency 87 %
Peak intensity 4.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



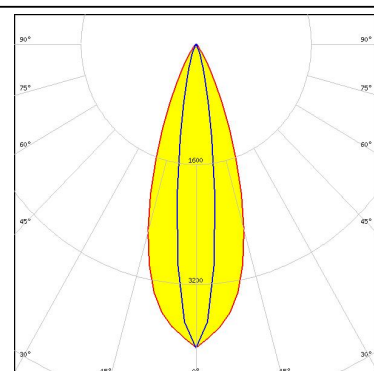
LED XP-E-HEW
FWHM 34.0 + 16.0°
Efficiency %
Peak intensity 3.360 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E2
FWHM 34.0 + 14.0°
Efficiency 86 %
Peak intensity 5.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



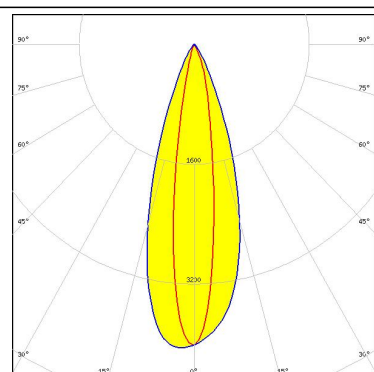
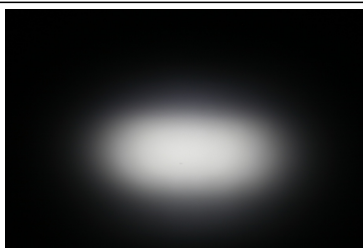
LED XP-G
FWHM 35.0 + 16.0°
Efficiency 87 %
Peak intensity 3.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



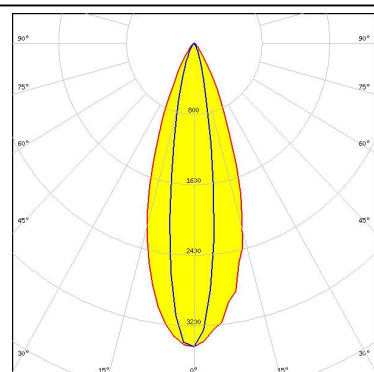
PHOTOMETRIC DATA (MEASURED):



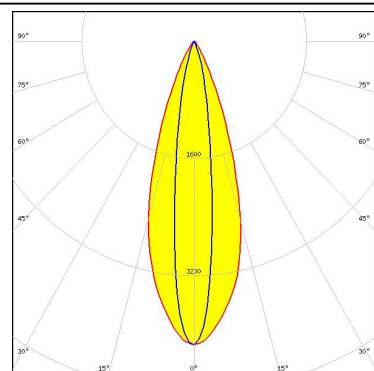
LED XP-G2
FWHM 34.0 + 16.0°
Efficiency 87 %
Peak intensity 4.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



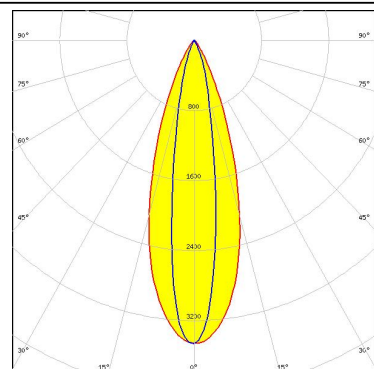
LED XT-E
FWHM 35.0 + 16.0°
Efficiency 85 %
Peak intensity 3.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED H35B0 (LEMWA32)
FWHM 35.0 + 15.0°
Efficiency 86 %
Peak intensity 4.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



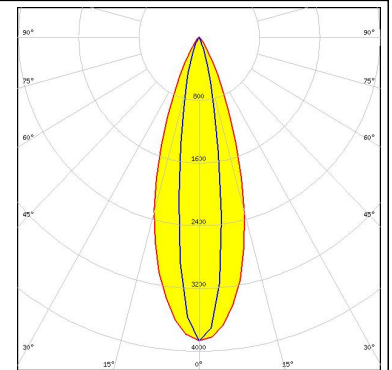
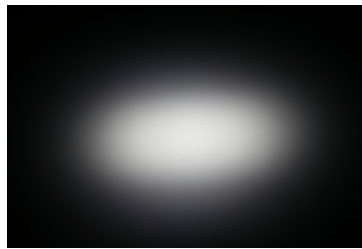
LED H35C0 (LEMWA33)
FWHM 33.0 + 17.0°
Efficiency 86 %
Peak intensity 3.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

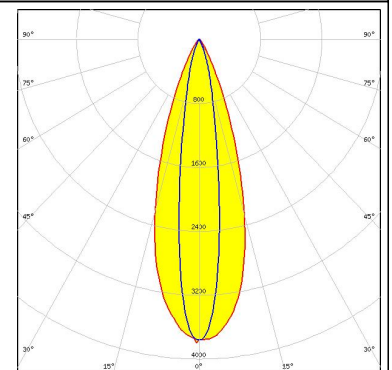
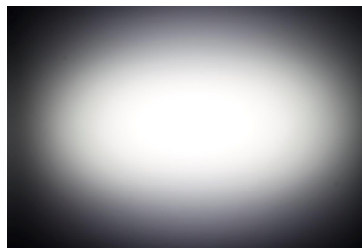
LG Innotek

LED H35C1 (LEMWA33)
FWHM 35.0 + 17.0°
Efficiency 85 %
Peak intensity 3.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



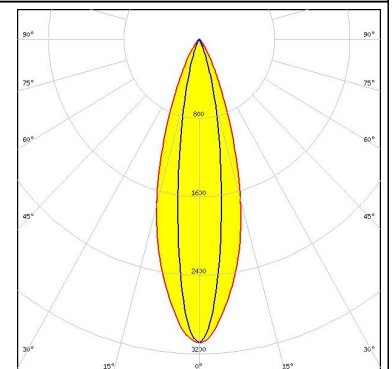
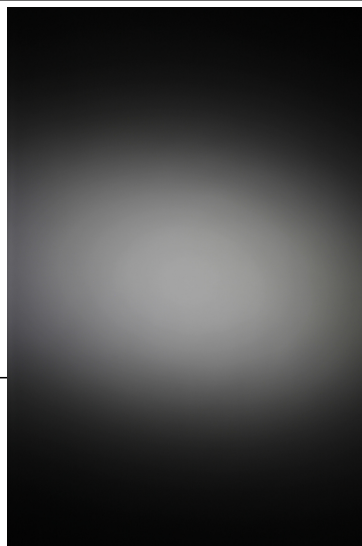
PHILIPS

LED Fortimo FastFlex 2x8 DS G3
FWHM 34.0 + 16.0°
Efficiency 83 %
Peak intensity 3.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:

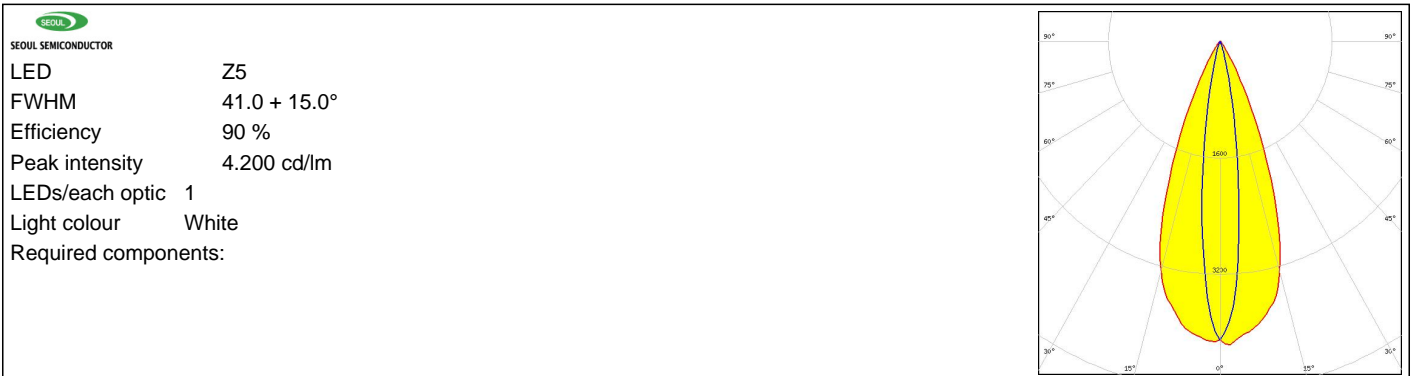


SAMSUNG

LED LH181A
FWHM 33.0 + 17.0°
Efficiency 72 %
Peak intensity 3.100 cd/lm
LEDs/each optic 1
Light colour White
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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