

## 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
ROHS compliant	yes ⓘ

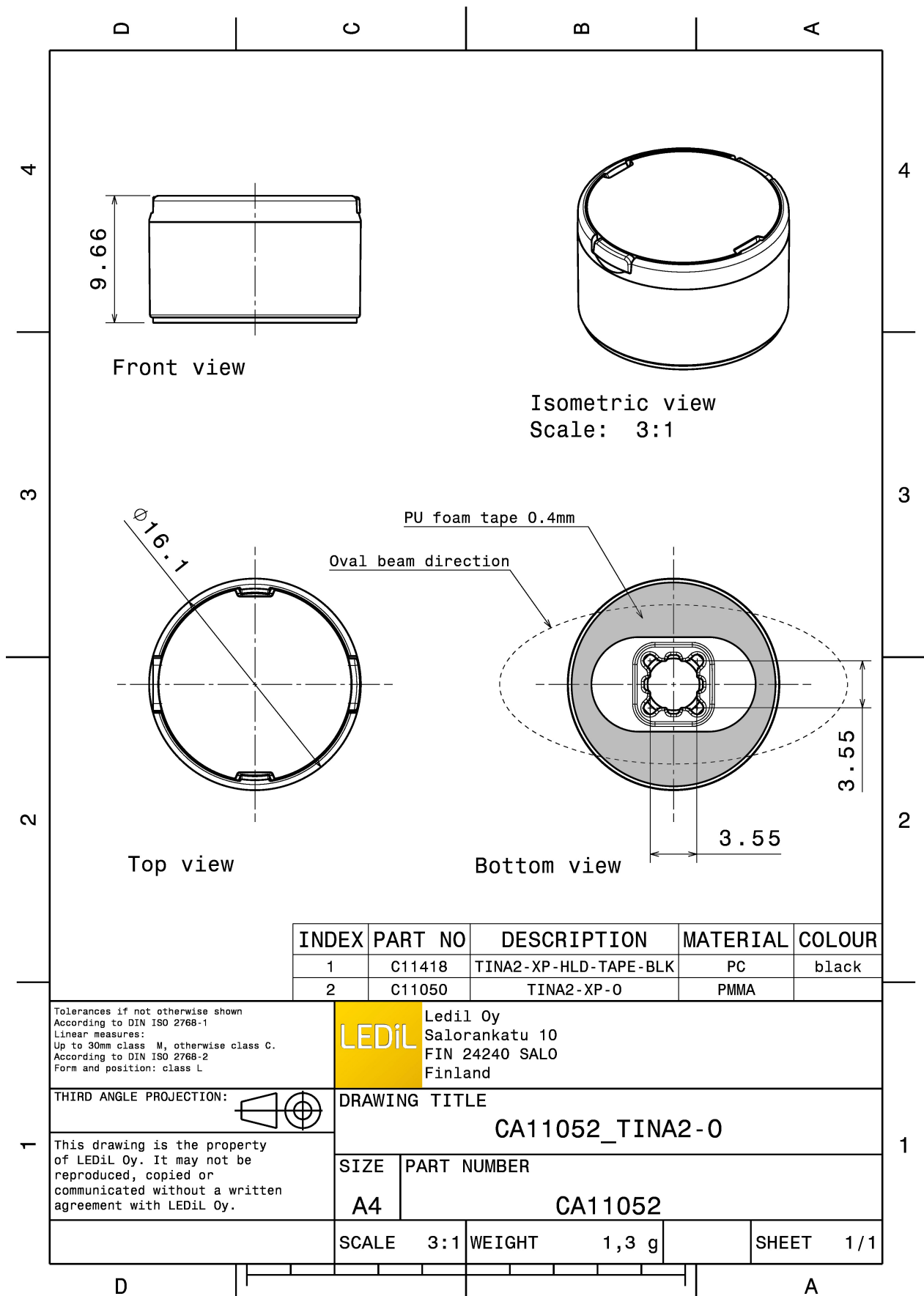
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-XP-O	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)
CA11052_TINA2-O	Single lens	4140	230	230	8.3
» Box size: 451 x 241 x 298 mm					

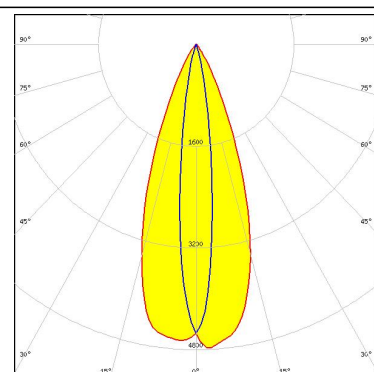




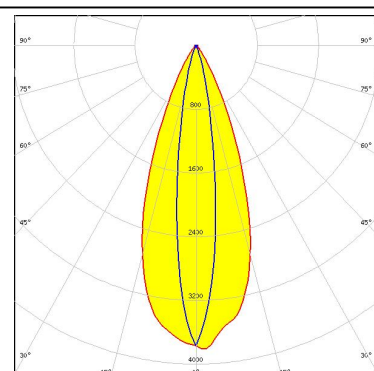
### PHOTOMETRIC DATA (MEASURED):



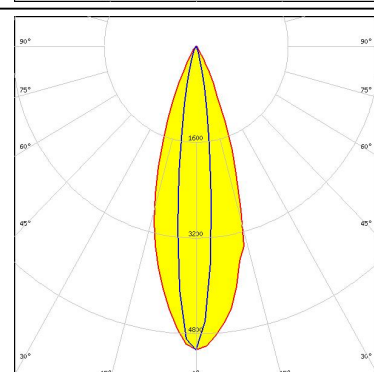
LED XP-E  
FWHM 32.0 + 14.0°  
Efficiency 87 %  
Peak intensity 4.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



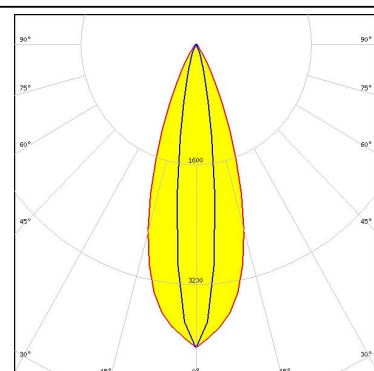
LED XP-E-HEW  
FWHM 34.0 + 16.0°  
Efficiency %  
Peak intensity 3.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-E2  
FWHM 34.0 + 14.0°  
Efficiency 86 %  
Peak intensity 5.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



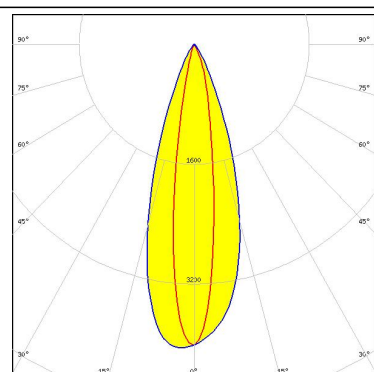
LED XP-G  
FWHM 35.0 + 16.0°  
Efficiency 87 %  
Peak intensity 3.9 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



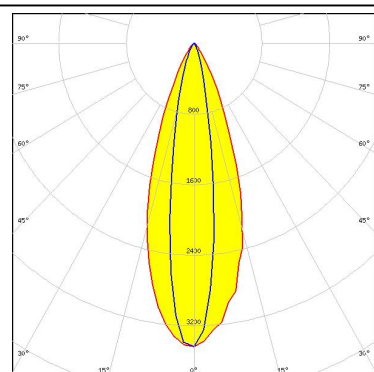
#### PHOTOMETRIC DATA (MEASURED):



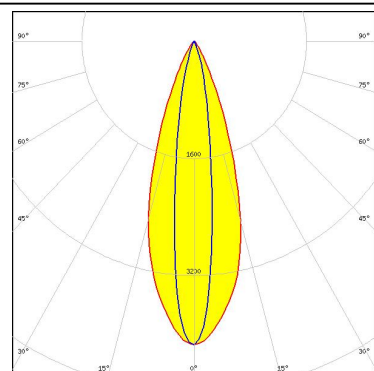
LED XP-G2  
FWHM 34.0 + 16.0°  
Efficiency 87 %  
Peak intensity 4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



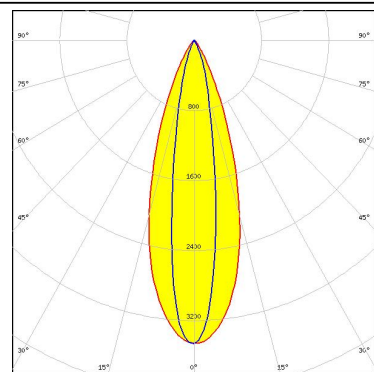
LED XT-E  
FWHM 35.0 + 16.0°  
Efficiency 85 %  
Peak intensity 3.8 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED H35B0 (LEMWA32)  
FWHM 35.0 + 15.0°  
Efficiency 86 %  
Peak intensity 4.2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



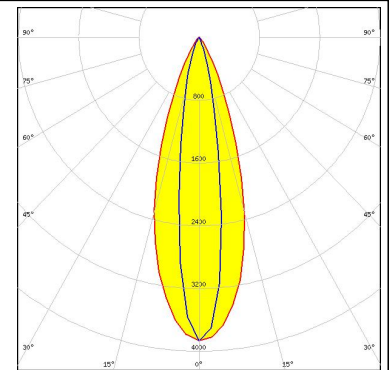
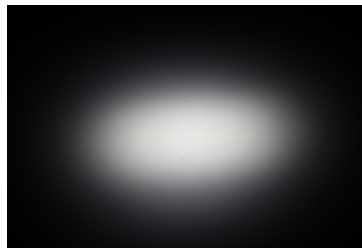
LED H35C0 (LEMWA33)  
FWHM 33.0 + 17.0°  
Efficiency 86 %  
Peak intensity 3.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

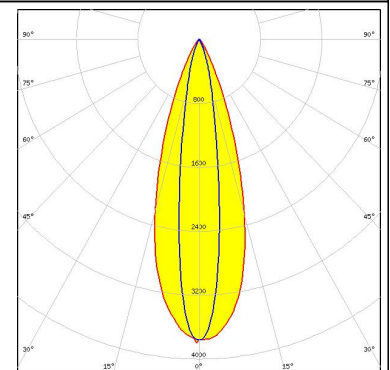
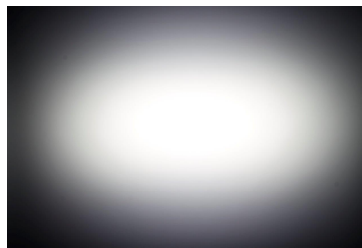
#### LG Innotek

LED H35C1 (LEMWA33)  
FWHM 35.0 + 17.0°  
Efficiency 85 %  
Peak intensity 3.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



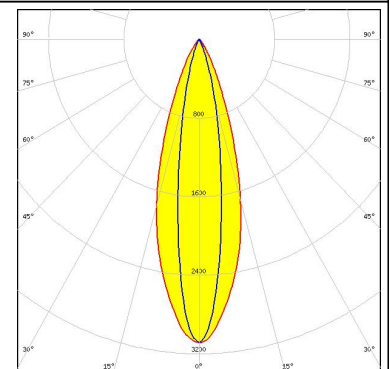
#### PHILIPS

LED Fortimo FastFlex 2x8 DS G3  
FWHM 34.0 + 16.0°  
Efficiency 83 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

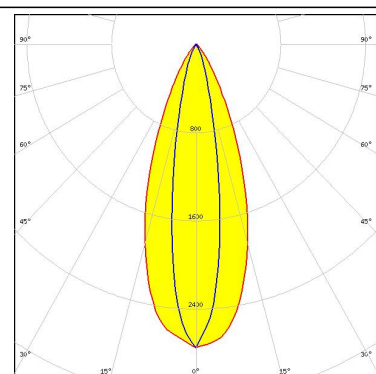
LED LH181A  
FWHM 33.0 + 17.0°  
Efficiency 72 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (SIMULATED):

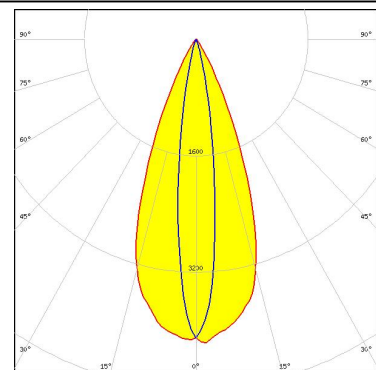


LED XP-G2 HE  
FWHM 39.0 + 18.0°  
Efficiency 77 %  
Peak intensity 2.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



SEOUL SEMICONDUCTOR

LED Z5  
FWHM 41.0 + 15.0°  
Efficiency 90 %  
Peak intensity 4.2 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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