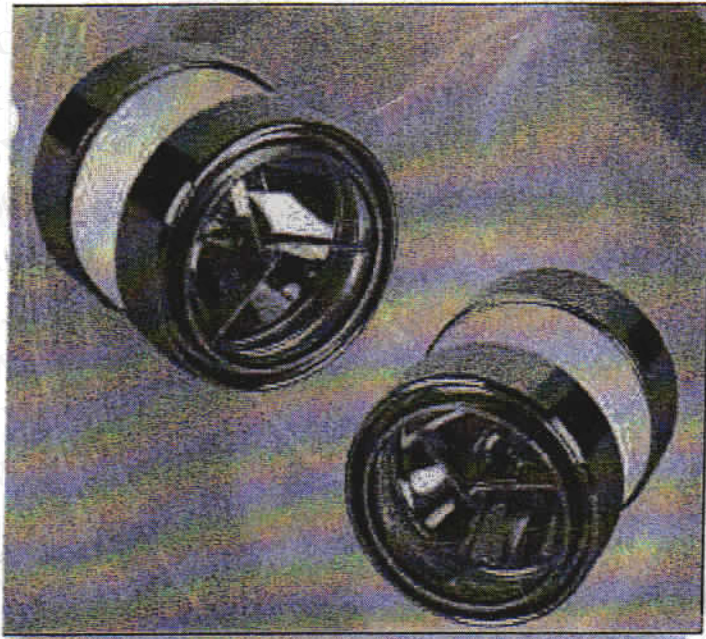


# Xenon Collimated Arc Lamps

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)



## CL175BF

UV Filtered

## CL175BUV

UV Optimized

## CL300BF

UV Filtered

## CL300BUV

UV Optimized

## Xenon Collimated Arc Lamps

### Physical Specifications

Description	Specification
Reflector Geometry	Parabolic Y2 = 0.5 X
Arc Gap	.049 inches (1.24mm)
Window Diameter	1 inch (25.4 mm)
Weight	132 grams

## CL175BF and CL175BUV

### Operational Specifications

Description	Nominal	Range
Power	175 watts	150 – 200 watts
Current	14 amps (DC)	12 – 16 amps (DC)
Operating Voltage	12.5 volts (DC)	11 – 14 volts (DC)
Ignition Voltage	23 kilovolts (minimum recommended)	
Temperature	150° C	
Life	1000 hours	

### Output at Nominal Power

Description	F=UV Filtered	V=UV Optimized
	CL175BF	CL175BUV
Radiant Output	25 watts	25 watts
Visible Output	2200 lumens	2000 lumens
UV Output	1.2 watts	3.5 watts
IR Output	14 watts	13 watts
Color Temperature	5600 K	5100 K
Cone Half Angle	5°	5°

## CL300BF and CL300BUV

### Operational Specifications

Description	Nominal	Range
Power	300 watts	180 – 330 watts
Current	21 amps (DC)	10 – 22 amps (DC)
Operating Voltage	14 volts (DC)	13 – 16 volts (DC)
Ignition Voltage	23 kilovolts (minimum recommended)	
Temperature	150° C	
Life	1000 hours	

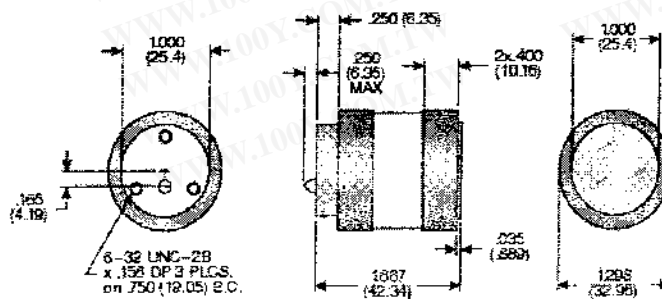
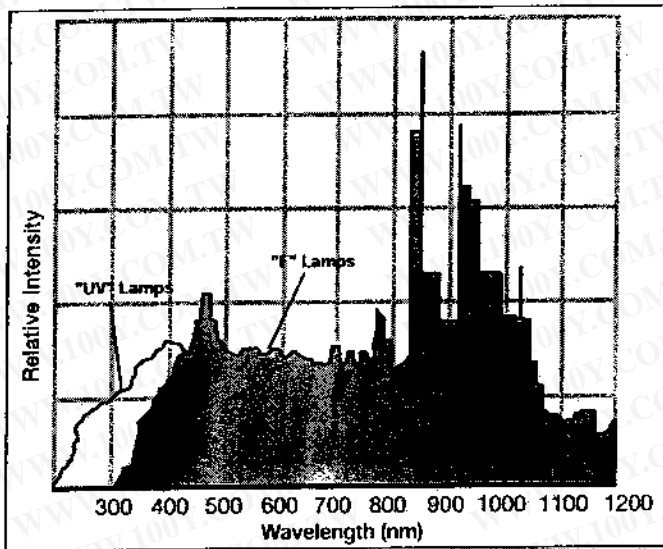
### Output at Nominal Power

Description	F=UV Filtered	V=UV Optimized
	CL300BF	CL300BUV
Radiant Output	50 watts	50 watts
Visible Output	5000 lumens	4500 lumens
UV Output	2.6 watts	6.6 watts
IR Output	28.8 watts	26.8 watts
Color Temperature	5600 K	5100 K
Cone Half Angle	5°	5°

**Xenon Collimated Arc Lamps provide the end market with a value alternative supplier of ceramic lamps. Engineered to be exact replacement for lamps designed to operate in existing systems employing this type of ceramic, xenon short arc lamp.**

**The short arc xenon illuminators emit intense, highly collimated beams of spectral white light. For the rigorous lighting requirements of the medical, industrial and commercial markets, the Xenon Collimated Arc Lamp is a simple, cost-effective solution.**

**Designed to be more rugged than conventional quartz lamps, these compact illuminators are easily incorporated into a variety of light engines.**



Dimensions in parentheses are in millimeters.

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