

GE Consumer & Industrial
Lighting



These compact, rugged and high brightness xenon lamps offer medical equipment OEMs & healthcare facilities a superior quality choice. Ceramic xenon lamps produce focused, white light that makes them an ideal choice for fiber optic illumination applications. GE lamps are warranted for 500 hrs life, provide excellent color rendition and maintain a stable light output.



Light Engine™

Ceramic Xenon Lamps



imagination at work

Light Engine™ Ceramic Xenon Lamps

Product Description	CXE175/BF	CXE300/BF
Product Code	29376	10115
Case Quantity	4	4

Physical Characteristics

Lamp Material	Ceramic	Ceramic
Lamp Weight	grams	grams
	132	132

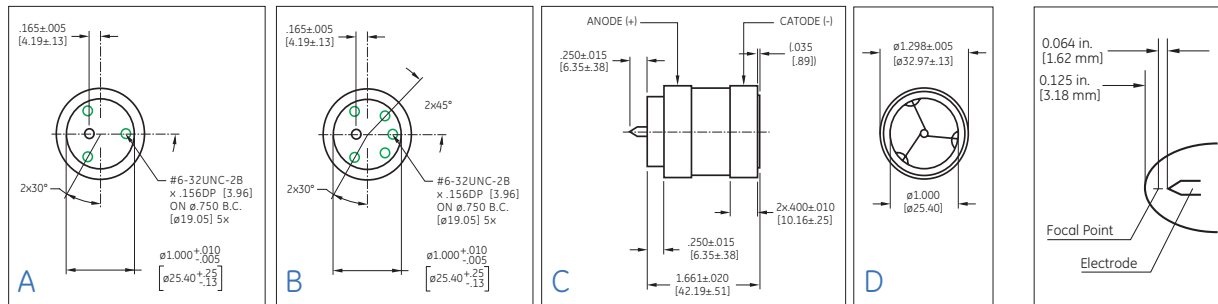
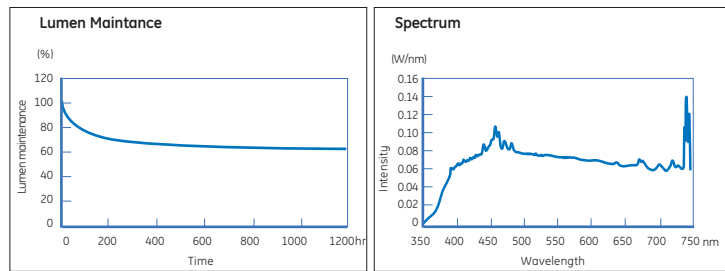
Dimensions	Units	Nominal	Nominal
Length	in. (mm)	1.667 (42.34)	1.667 (42.34)
Diameter	in. (mm)	1.298 (32.96)	1.298 (32.96)
Window Diameter	in. (mm)	1.00 (25.4)	1.00 (25.4)
Arc Gap	in (mm)	0.050 (1.27)	0.050 (1.27)

Electrical Characteristics

Nominal Lamp Power at 25° C, 100 hrs	Watts	175	300
	Power Range	(150-200)	(180-340)
Nominal Lamp Volts at 25° C, 100 hrs	V rms	12	14
	Voltage Range	(11-15)	(13-16)
Nominal Lamp Current (DC) at 25° C, 100 hrs	A rms	14	21
	Current Range	(12-16)	(10-22)
Ignition Voltage	kV	23	23
Lamp Temperature (Max)	Deg C	150	150

Photometric Characteristics

Visible Output	Lumens	2,200	5,000
Peak Intensity	Candelas	350,000	500,000
Radiant Output	Watts	25	50
UV (<390nm) Output	Watts	1.2	2.6
Color Temperature	Kelvin	5600	5600
Peak Instability		4%	4%
Beam Half Angle	°	5	5
Focused Output @ 6mm Aperature	Lumens	1400	3130
Focused Output @ 3mm Aperature	Lumens	830	1410
Reflector Geometry		Parabolic	Parabolic
Life	Hours	1,000	1,000
Drawings - Fig. no		A, C, D	B, C, D



Dimensions in brackets are in mm.

WARNING

Risk of electric shock

- Turn power off before inspection, installation or removal
- Do not open - no user serviceable parts inside

Risk of fire

- Keep combustible materials away from lamp
 - Use in fixture rated for this product
- Lamp emits UV radiation which may cause eye/skin injury. RG-3
- Avoid exposure of eyes and skin to unshielded lamp

R Warning: This lamp can cause serious skin burn and eye inflammation from short-wave ultraviolet radiation. Do not use where people will remain for more than a few minutes unless adequate shielding or other safety precautions are used. Certain types of lamps that will automatically extinguish when the outer envelope is broken or punctured are commercially available from the General Electric Company. 21 CFR 1040.30 Pressurized lamp - unexpected rupture may cause injury, fire, or property damage

- Do not touch glass with bare hands
- Avoid contact with glass during operation
- Avoid direct water/liquid contact
- Use in enclosed fixture rated for this product
- Do not use lamp if outer glass is scratched or broken
- Use only properly rated ballast
- Operate lamp only in specified position
- Do not use beyond rated life
- Do not turn on lamp until fully installed

CAUTION

Risk of burn

- Allow lamp to cool before handling
 - Do not turn on lamp until fully installed
 - Turn power off before installing lamp
- Lamp may shatter and cause injury if broken
- Wear safety glasses and gloves when handling lamp
 - Do not use lamp if outer glass is scratched or broken
 - Dispose of lamp in a closed container

APPLICATION NOTICES

Lamp must not be operated with window facing upwards within 45% of vertical.

Seal temperature must not exceed 150°C.

Lamp must be operated within recommended current and power range. Over powering may lead to arc instability, hard starting and premature aging.

Manufactured by Lighting Technologies International in collaboration with GE Consumer & Industrial. For complete information regarding GE's medical & scientific lamps please visit the GE website at www.GELighting.com