

USHIO

FLUORESCENT LAMPS

C³™ SERIES



C³™ SERIES - COLD CATHODE LAMPS

Cold cathode lamps have been used for years in laptop displays, copiers and cell phones. Even some of the new flat panel LCD television screens and monitors utilize cold cathode technology because the technology is proven and reliable.

Recently, the technology has been adapted and applied to compact lighting products that have an average life rating of 25,000 hours and are dimmable. These long-life and energy saving lamps are ideal for special applications, such as signage, where reduced maintenance and energy costs are desired.

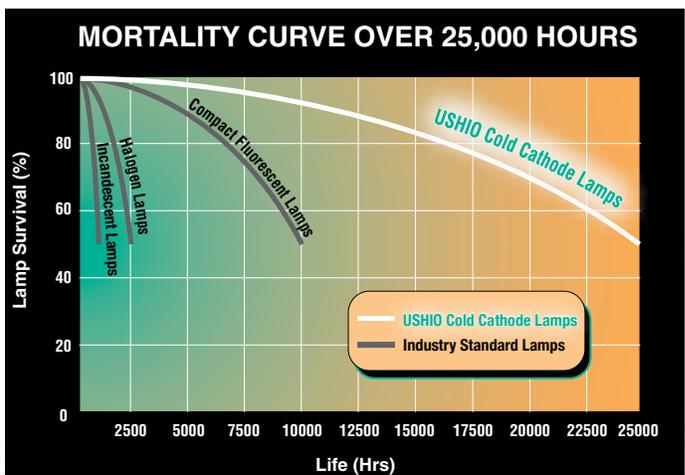
The soft starting of the cathodes ensures long lamp life and unparalleled performance under difficult ambient conditions.

APPLICATIONS

- Signs
- Marquees
- Sign Backlighting
- Special Applications

FEATURES & BENEFITS

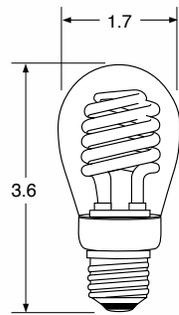
- Energy saving — Replaces higher wattage lamps
- Long lamp life — 25,000 hours
- Dimmable — For a wide variety of applications
- Minimizes the amount of maintenance required to support hard to reach lighting installations such as signs and marquees
- Dramatically reduces lamp costs — Eliminates up to 24 lamp replacements over the life of the cold cathode lamp
- Specially designed cathodes allow the lamps to cycle, flash and dim with no impact on life
- UL listed
- 24-month limited warranty



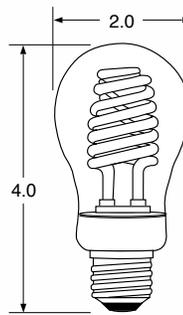
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C³™ COLD CATHODE
Universal Burn Position

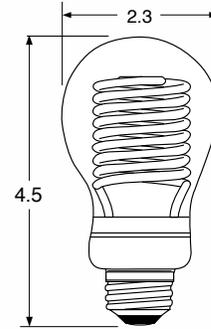
CHARACTERISTICS & SPECIFICATIONS



E26
S14
Fig. 1



E26
A16
Fig. 2



E26
A19
Fig. 3

Watts (W)	Ushio Ordering Code	Ushio Lamp Description	Dimensions			CRI	Color Temp (K)	Approx Lumens (lm)	Avg Life (h)	Case Qty	Fig. No.
			Dia (in)	MOL (mm)	MOL (in)						
3	3000475	CF-3CC/2700/E26	1.7	91.4	3.6	82	2700	120	25,000	12	1
5	3000476	CF-5CC/2700/E26	2.0	101.6	4.0	82	2700	200	25,000	12	2
8	3000528	CF-8CC/2700/E26	2.3	114.3	4.5	82	2700	300	25,000	12	3
8	3000529	CF-8CC/FR/2700/E26	2.3	114.3	4.5	82	2700	290	25,000	12	3

Operating Characteristics

DIMMING:

USHIO's dimmable C³™ Cold Cathode Fluorescent lamps should only be used on modern analog dimmers. They will not work on digital dimming systems, which although uncommon, may still be found in certain new installations.

CCFL's will not dim to 0%. A Cold Cathode lamp functions similarly to a linear fluorescent lamp, which requires that an arc be maintained between the cathodes / electrodes. A certain amount of power is required to maintain this arc. There is also power that is consumed in the operation of the ballast. Due to the power consumed by these two items, a dimmable CCFL lamp has a much more restricted dimming range than other lamps. C³™ Cold Cathode lamps have a dimming range of 100% - 30%. Depending on the brand and type of dimmer used, you may experience flickering or shutdown with C³™ Cold Cathode lamps when dimmed below 30% of the lamp's power.

ENVIRONMENT

The ideal ambient operating temperature for the C³™ Cold Cathode lamps is 25°C (77°F). These lamps will operate in ambient temperatures between -15°C (5°F) and 50°C (122°F).

The 3W, 5W and 8W C³™ lamps are suitable for use indoors or outdoors. The 13W and 18W C³™ lamps are for indoor use only.



Scan with a smartphone to view this product online.

LAMP CONTAINS MERCURY - (Hg)

Manage in Accord with Disposal Laws

See: www.lamprecycle.org or 1-800-895-8842

Distributed by:

Form No. S-C3CCFL/R-1013: The specifications on this sheet supercede all previously published specifications and may be subject to change for design and specification improvement without prior notice.

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