C3 SERIES COLD CATHODE COMPACT FLUORESCENT LAMPS FOR GENERAL LIGHTING

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 general illumination products that have an average life rating of 25,000 hours and are dimmable. These energy saving lamps replace higher wattage incandescent lamps making them ideal for applications 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.

FEATURES & BENEFITS

- Energy saving — Directly replaces higher wattage incandescent lamps.
- 25,000 Hour lamp life — Lasts up to 25 times longer than standard incandescent lamps.
- Dimmable — For a wide variety of applications.
- Minimizes the amount of maintenance required to support hard to reach lighting installations
- 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.

APPLICATIONS

- 3W S14 C3, 5W A16 C3 & 8W A19 Lamps: Ideal for signs, marquees and accent lighting.
- 8W, 13W & 18W C3 Coilights: Direct replacements for higher wattage incandescent lamps.
- 18W C3 Puck Lamps: Low profile product ideal for under cabinet, wall sconce, shallow recessed applications.
- 18W C3 Flat PAR Lamp: Energy saving retrofit for higher wattage halogen and incandescent reflector lamps.
C3 COLD CATHODE

Universal Burn Position

Form No. S-CC3CFL/R-1208: The specifications on this sheet supersede all previously published specifications and may be subject to change for design and specification improvement without prior notice.

C3 Cold Cathode

CFL Series

Lamp Code

Dimensions

Color Temp

Approx

Case

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<th>Ushio Lamp Code</th>
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Operating Characteristics

DIMMING:
USHIO's dimmable C3 Cold Cathode Compact 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 commercial installations.

Unlike their incandescent counterparts, CCFL's will not dim to 0%. This can be attributed to the differences in the lamp designs and technologies. 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 CFL lamp has a much more restricted dimming range than incandescent 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 25ºC (77ºF). These lamps will operate in ambient temperatures between -15ºC (5ºF) and 50ºC (122ºF).
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.

LAMP CONTAINS MERCURY - Hg
Manage in Accord with Disposal Laws
See: www.lamprecycle.org or 1-800-895-8842

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