

## MICRO BRITE™

### Decorative Cold Cathode Fluorescent Lamps



G16.5

C11

C11BT

#### Features and Benefits

- 25,000-hour life
- Up to 85% energy savings compared to incandescent
- Dimmable
- Flashable
- Candelabra bases
- Reduces replacement and maintenance costs
- Can be used indoors and outdoors
- 2-year warranty

#### Applications

- Marquees
- Sign applications
- Bathroom lighting
- Hallway lighting
- Chandelier lighting
- Hotels
- Wall sconces
- Floor and table lighting
- Building perimeter lighting

#### Style and Substance with Micro-Brite Decorative Lamps

Litetronics International, Inc. has applied its patented cold cathode fluorescent technology to a line of decorative Micro-Brite™ lamps. The Micro-Brite G16½ is ideal for bathrooms, restaurants, hotels, hallways, and vanity mirror lighting. These lamps can last up to 25,000 hours — twenty-six times longer than standard decorative incandescent lamps. They also offer up to 85% energy savings. With such high efficiency, Micro-Brite decorative lamps pay for themselves.

Micro-Brite C11 lamps are great for chandeliers, wall sconces, floor lighting, and table lighting. Available in candelabra bases, the Micro-Brite C11 lamp is available with a bent tip for a more stylish design, and it is dimmable down to 5% of its light output. These lamps can provide efficient, long-lasting lighting for any occasion. Like all Micro-Brite lamps, these decorative lamps can be used indoors or outdoors in extreme temperatures. Get alluring lighting and attractive benefits with Micro-Brite decorative lamps.

**LITETRONICS®**

4101 West 123rd Street  
Alsip, Illinois 60803  
[www.Litetronics.com](http://www.Litetronics.com)

# MICRO BRITE™ Cold Cathode Micro Compact Fluorescent Lamps



LAMP	WATTS	BASE	VOLTS	DESCRIPTION	ORDERING CODE	QTY/ CASE	AVERAGE RATED LIFE	CRI	CORRELATED COLOR TEMP(K)	INITIAL LUMENS	M.O.L.**
<b>C11</b>	5 \$	CAND LO	120	5W C11 CL PW	MB-540DP	30	25,000	82	2850	200	4.50"
	5 \$	CAND LO	120	5W C11 WH PW	MB-541DP	30	25,000	82	2850	200	4.50"
	5 \$	CAND LO	120	5W C11 CL PW BENT TIP	MB-547DP	30	25,000	82	2850	200	4.80"
	5 \$	CAND LO	120	5W C11 WH PW BENT TIP	MB-549DP	30	25,000	82	2850	200	4.80"
<b>G16.5</b>	5 \$	CAND LO	120	5W G16.5 CL PW	MB-538DP	20	25,000	82	2850	200	3.54"

## SPECIFICATIONS

INPUT LINE FREQUENCY	50/60 HZ
RELIABLE OPERATING TEMP.	5°F – 105°F
POWER FACTOR	> .90
TOTAL HARMONIC DISTORTION	< .30

## CONVERSION CHART

CFL	=	INCANDESCENT
5-watt	=	30-watt

\$ Energy Savings

\*\* Maximum Overall Length (in inches)





## Material Safety Data Sheet

**Product : Cold Cathode Compact Fluorescent Lamps (CCFL)**

**Company Identification** Litetronics International Inc.,  
4101 West, 123<sup>rd</sup> Street  
Alsip, IL- 60803  
USA  
1-800-860-3392

### **Hazardous Ingredients**

Lamp Assembly

OSHA	Phosphor Powder (nuisance dust)	Yttrium Oxide(1314-36-9)	Mercury(7439-97-6)
Mg/m <sup>3</sup>	15	1	0.1
ACGIH(TLV)	10	1	0.025
% by Wt	<2%	<0.5%	<0.01%

### **Chemical / Physical Data**

This item is a light bulb and is Not applicable to intact lamps.

### **Fire & Explosion Data**

The shell material of the light bulb is composed of Polybutylene terephthalate(PBT). It has a melting temperature of ~500°F. Generally continuous external flame source is needed to initiate or sustain combustion.

### **Reactivity Data**

The PBT is a stable thermoplastic solid compound, and will not undergo hazardous polymerization.

### **Health Hazard Data**

Not Applicable to the intact lamp. Breakage of the cover will not result in any release of material. The luminescent material are contained in the glass tube, which is inside the cover. Breakage of the tube may result in some exposure to phosphor powder dust and mercury. No adverse effects are expected from occasional exposure to broken lamps, but as a matter of good practice prolonged or frequent exposure should be avoided through the use of adequate ventilation during disposal of large number of lamps.

Emergency & First Aid Procedure : Normal first aid procedure for glass cuts, if such occur through lamp breakage.



### **Precautions for safe handling and use**

Normal precautions should be taken for collection of broken glass

Waste Disposal Method : At the end of rated life, when the lamp is removed from service, it will, when subjected to the current Toxic Characteristic Leaching Procedure (TCLP) prescribed by the Environmental Protection Agency for determining whether an item is a hazardous waste be listed as a non-hazardous waste under current EPA definition. Dispose lamps according to local and state law, visit [www.lamprecycle.org](http://www.lamprecycle.org).

### **Control Measures**

Respiratory Protection : None. NIOSH approved respirator might be used if large volume of lamps are being broken for disposal.

Ventilation : Avoid inhalation of any airborne dust. Provide local exhaust when disposing large quantities of broken lamps.

Hand & Eye Protection : Appropriate hand and eye protection should be worn when disposing or handling of broken lamps.

When breaking lamps wear protective eyeglasses or chemical safety goggles.

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Under the occupational Safety and Health Administration (OSHA) Hazards communication Standard, a lamp (light bulb) is exempted as an "article", and that as such, does not require an MSDS.