

GE Consumer & Industrial
Lighting

LED Cove Lighting System



imagination at work

Saving money never looked so good...

GE believes that financial and environmental responsibility can work hand-in-hand. That's why we designed the GE LED Cove Lighting System to help casinos, hotels, restaurants and retail users create a consistently beautiful look while lowering operating costs and curbing the impact on our environment.

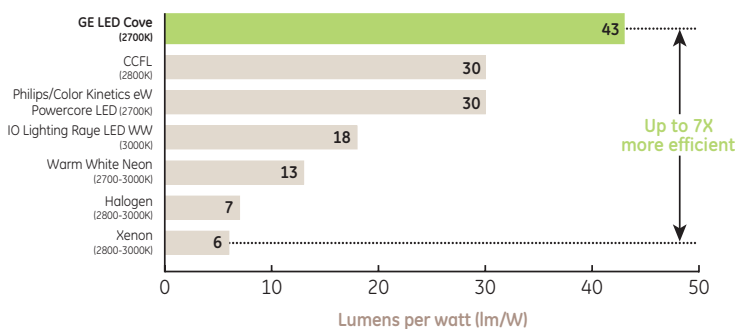


Improved Energy Usage

Up to 7 times more efficient than xenon

The GE LED Cove Lighting System delivers more lumens per watt over most other systems—substantially lowering the amount of energy required to achieve maximum brightness. Property owners can remove excessive wattage to save money while meeting their lighting requirements. Although fluorescent systems have an edge in efficiency, it does not offer all the advantages of GE LED Cove such as long life and reduced maintenance costs. Compared to halogen systems, GE LED Cove could reduce energy costs by over \$117,000 per 1,000 feet installed over the life of the system.¹

Efficiency Comparison



Philips and IO Lighting information from published sources – April 2008. Assumes total system watts, including power losses and 60% use of total lamp lumens in application for non-LED systems. Value will vary with specific fixture and efficiency.

Lower carbon emissions

By replacing 1,000 feet of 30W halogen systems with GE LED Cove, you could reduce carbon dioxide emissions from power generation by over 285,000 pounds annually. That's equal to planting over 35 acres of trees each year!



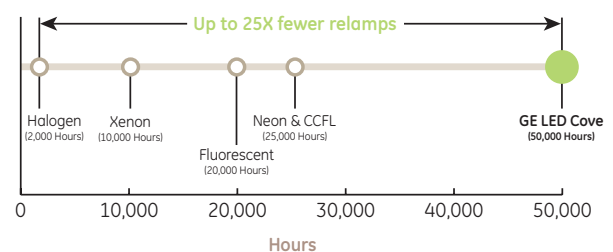
Reduced Maintenance Costs

Fewer lamps to replace & dispose

The GE LED Cove Lighting System is rated to perform for 50,000 hours—that's 5.7 years of 24/7 operation without changing a lamp—and it could be more. GE LED Cove Lighting can significantly reduce the hassle and expense of labor, material and disposal costs associated with lamp replacement. At 25 times the life of halogen, GE LED Cove can save over \$375,000 per 1,000 feet in lamp purchases alone over the 50,000 hour rated life.¹

Our robust GE LED Cove system contains no lead, mercury or glass—making handling and disposal less of a concern—and it is RoHS compliant.

Relamp Schedule



A reliable system designed with proven expertise

Backed by a reputation for reliability in the LED industry, more than 10 million feet of GE LED systems are currently installed in signage and architectural applications with a warranty return rate of less than 0.05%² since 2001.

Building on that remarkable tradition of reliability, GE LED Cove performance claims are based on a robust design process and stringent testing of the entire system, not solely on laboratory data from the LED supplier. This all adds up to exceptional quality you can depend on.

¹ Assumes: 2000-hour halogen lamp, 6 lamps per foot, 50,000 rated life, 30 watts/foot, \$0.10/kwh, and cost of \$3.00 per halogen lamp & \$75.00 per foot of GE LED Cove.

² Based on warranty return rate of GE Tetra® LED Systems through October 2007.

Reduced Installation Costs

Installs quickly & accurately

Easy-to-use mounting tracks and fewer system components allow for quick and simple assembly on-site. The one-foot LED fixture lengths provide better lighting around curves and corners, and jumper cables make it easy to work around angles. A low-voltage, Class II power supply is integrated in each fixture to enable long runs of up to 200 feet (61 m) per power input. This ease of installation can significantly reduce labor and material costs to save you money.



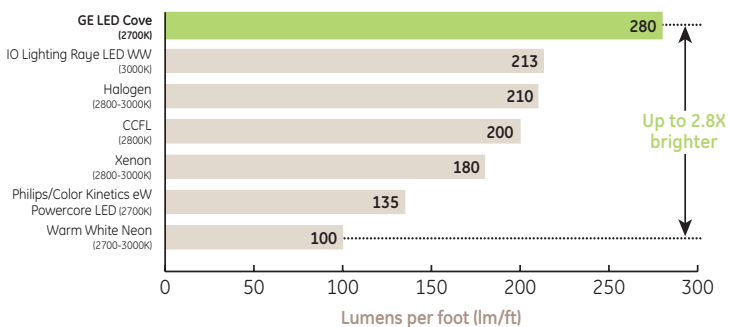
Improved Brand Image

Bright, uniform light that lasts

Lighting designers and customers will appreciate the warm look and feel of the GE LED Cove Lighting System. Delivering over 280 lumens per foot, GE LED Cove provides excellent brightness and uniformity over time.

While fluorescent systems may produce more lumens per foot, GE LED Cove offers better uniformity and consistency, as well as 2.5 times the performance life. This long life eliminates inconsistencies caused by relamping errors. Brand image will no longer suffer from dimmed or burned out lamps, incorrect color temperatures, or different levels of brightness. There are no socket shadows to disrupt uniformity, only bright, even white light throughout the cove.

Light Intensity Comparison



Philips and IO Lighting information from published sources — April 2008. Assumes total system watts, including power losses and 60% use of total lamp lumens in application for non-LED systems. Value will vary with specific fixture and efficiency.

Ability to dim

GE LED Cove can be dimmed when connected to an electronic low-voltage (ELV) reverse phase control dimmer. Recommended dimmers are Lutron and Leviton. Performance may vary, so please consult dimmer manufacturer for more information.

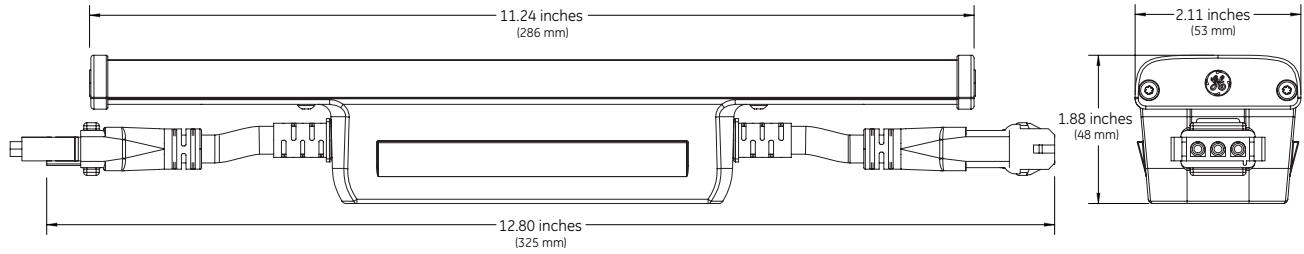


Fluorescent



GE LED Cove

Product Dimensions



Cove Fixture Specifications

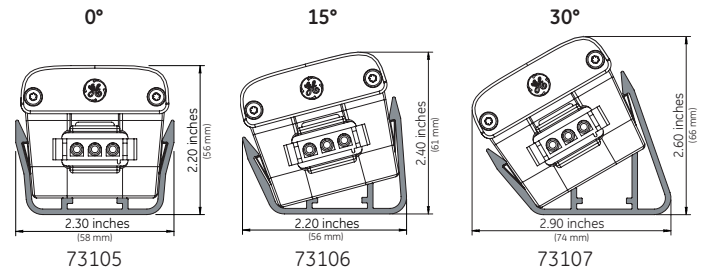
Product Code	73098	73099	73100	73101
Description	LC12/727/120V	LC12/730/120V	LC12/727/240V	LC12/730/240V
Input Voltage	120V	120V	240V	240V
Wattage/ft	6.5	6.5	6.5	6.5
Wattage/m	21.32	21.32	21.32	21.32
Lumens	280	280	280	280
LPW	43	43	43	43
CCT	2700K	3000K	2700K	3000K
CRI	70	70	70	70
Length (inches)	12.8	12.8	12.8	12.8
Length (mm)	325	325	325	325
Case Qty	10	10	10	10

Connector Cables

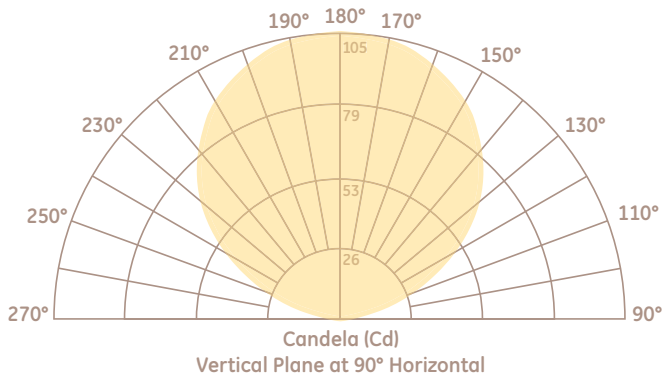
73108	73109
LC-LC/40	LC-JC/3
Leader Cable	Jumper Cable
Connects LED Cove fixtures to power source	Connects between two LED Cove fixtures for added flexibility
480	36
12,192	914
1	1

Mounting Track Specifications

Product Code	73105	73106	73107
Description	LC-MT48/0	LC-MT48/15	LC-MT48/30
Track Angle	0°	15°	30°
Type	Track	Track	Track
Length (inches)	48	48	48
Length (mm)	1219	1219	1219
Case Qty	25	25	25



Candlepower Distribution Comparison



IES files can be downloaded at www.gelighting.com

Vertical Angles	Horizontal Angles									
	0	45	90	135	180	225	270	315	360	
0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	
40	0	0	0	0	0	0	0	0	0	
50	0	0	0	0	0	0	0	0	0	
60	0	0	0	0	0	0	0	0	0	
70	0	0	0	0	0	0	0	0	0	
80	0	0	0	0	0	0	0	0	0	
90	0	0	0	0	0	0	0	0	0	
100	4	4	2	3	6	6	5	7	4	
110	22	20	20	19	25	25	26	26	22	
120	43	40	39	39	46	46	47	47	43	
130	61	59	58	58	63	65	65	65	61	
140	76	74	74	74	76	79	80	79	76	
150	88	86	87	86	88	90	91	90	88	
160	96	96	96	96	96	98	99	98	96	
170	101	102	102	102	100	102	103	102	101	
180	104	104	104	104	104	104	104	104	104	

Candela (Cd)

For additional product and application information, Please consult GE's Website: www.gelighting.com

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