

GE
Lighting Solutions

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.

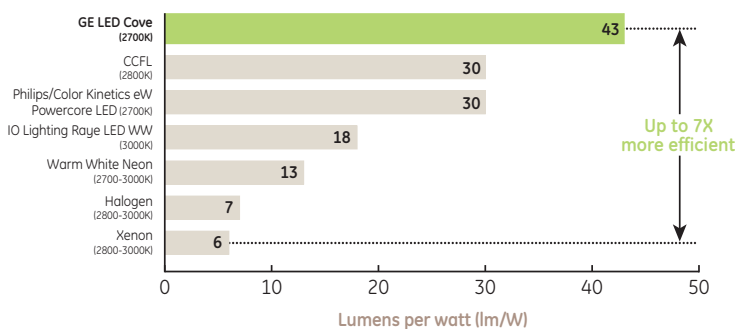


Improved Energy Usage

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!



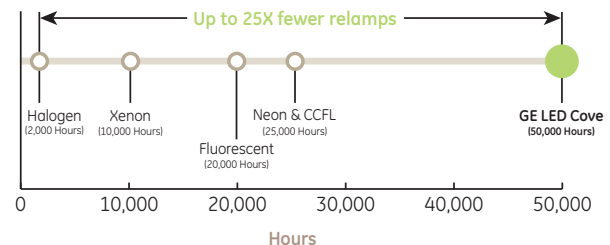
Reduced Maintenance Costs

Fewer lamps to replace & dispose

The GE LED Cove Lighting System is rated to perform for 50,000 hours (L70)² 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 14 million feet of GE LED systems are currently installed in signage and architectural applications with a warranty return rate of less than 0.05%³ 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.

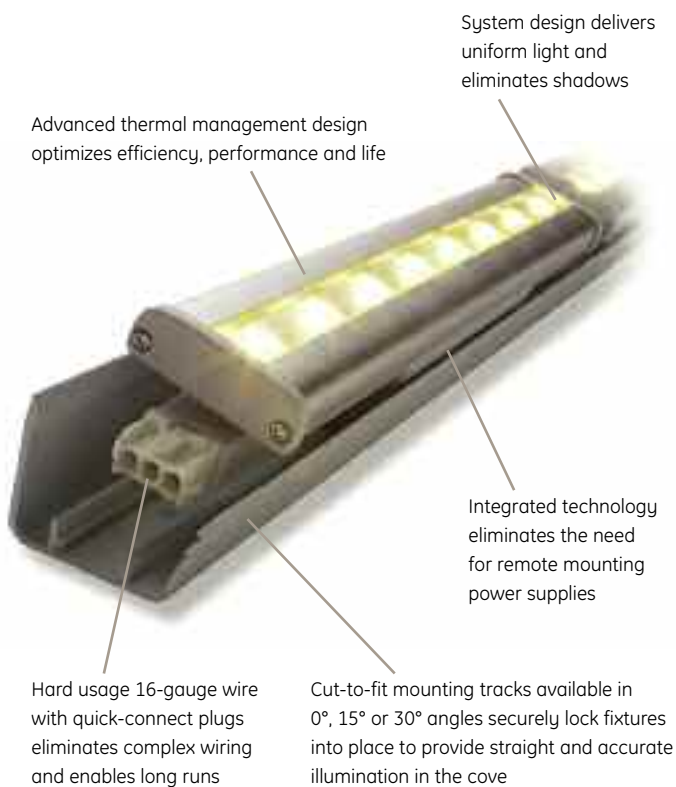
² L70 indicates the amount of operating time before the luminous flux of the LED depreciates to 70% of initial lumens.

³ Based on warranty return rate of GE Tetra® LED Systems through December 2008.

Reduced Installation Costs

Installs quickly & accurately

Easy-to-use mounting tracks and fewer system components allow for quick and simple assembly on-site. Material estimation is easy with 12 inch (0.3m) LED fixture lengths that provide better lighting around curves and corners. Jumper cables make it easy to work around tight 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 120V power input and up to 330 feet (101 m) per 240V power input. This ease of installation can significantly reduce labor and material costs to save you money.



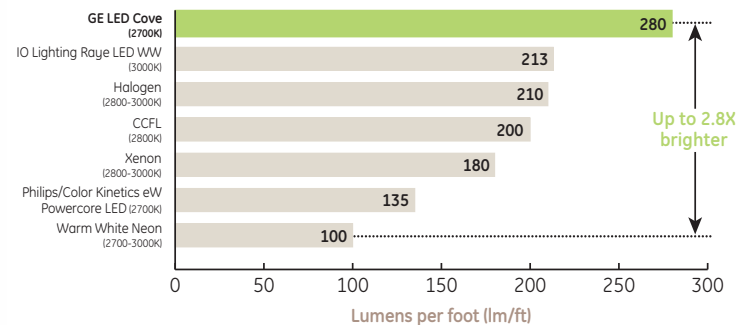
Improved Brand Image

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 290 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.

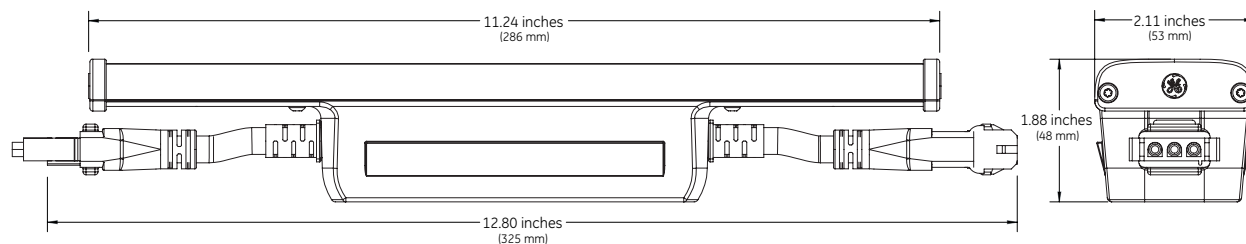


Fluorescent



GE LED Cove

Product Dimensions



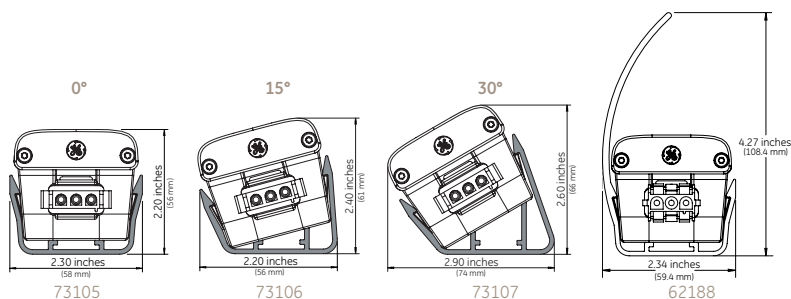
*For material estimation, each fixture measures exactly 12 inches (0.3m)

Cove Fixture Specifications

Product Code	Description	Input Voltage	CCT	+/- CCT	Lumens	LPW	CRI	Wattage (ft/m)	Length (inches/mm)	IP Rating	Case Qty
73098	LC12/727/120V	120V	2700K	+200/-200K	290	45	70	6.5/21.32	12.8/325	IP20	10
62193	LC12/827/120V	120V	2700K	+120/-170K	350	51	80	6.8/22.30	12.8/325	IP54	10
73099	LC12/730/120V	120V	3000K	+200/-200K	300	46	70	6.5/21.32	12.8/325	IP20	10
74892	LC12/741/120V	120V	4100K	+300/-300K	320	49	77	6.5/21.32	12.8/325	IP20	10
62194	LC12/840/120V	120V	4000K	+290/-260K	400	59	80	6.8/22.30	12.8/325	IP54	10
73100	LC12/727/240V	240V	2700K	+200/-200K	290	45	70	6.5/21.32	12.8/325	IP20	10
62197	LC12/827/240V	240V	2700K	+120/-170K	350	51	80	6.8/22.30	12.8/325	IP54	10
73101	LC12/730/240V	240V	3000K	+200/-200K	300	46	70	6.5/21.32	12.8/325	IP20	10
73826	LC12/741/240V	240V	4100K	+300/-300K	320	49	77	6.5/21.32	12.8/325	IP20	10
62198	LC12/840/240V	240V	4000K	+290/-260K	400	59	80	6.8/22.30	12.8/325	IP54	10

Mounting Track Specifications

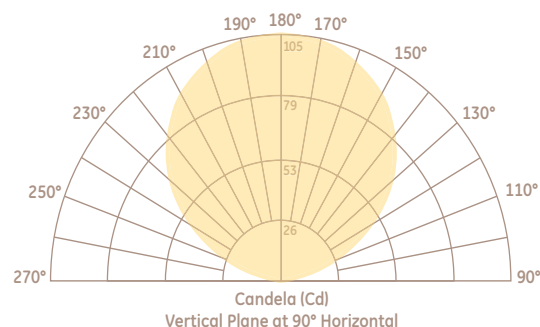
Product Code	Description	Track Angle	Type	Length (inches)	Length (mm)	Case Qty
73105	LC-MT48/0	0°	Track	48	1,219	25
73106	LC-MT48/15	15°	Track	48	1,219	25
73107	LC-MT48/30	30°	Track	48	1,219	25
62188	LC-MTS48/0	0°	Track	48	1,219	10
62818	LC-SC	Shield Connector		5.91	150	20



Connector Cable Specifications

	Product Code	Description	Input Voltage	Length (inches)	Length (mm)	Case Qty
Leader Cables Connects LED Cove fixtures to power source	73108	LC-LC/40	120V	480	12,192	1
	75476	LC-LC/10	120V	120	3,048	1
	73617	LC-LC/12M/CE	240V	472.4	12,000	1
	73618	LC-LC/3M/CE	240V	118.1	3,000	1
Jumper Cables Connects between two LED Cove fixtures for added flexibility	73109	LC-JC/3	120V	36	914	1
	73616	JC-JC/1M/CE	240V	39.4	1,000	1

Candlepower Distribution Comparison



IES files can be downloaded at www.gelightingsolutions.com



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