

Product identification

The following glossary of terms will help you when selecting lamps in this section. Within each product line, lamps are divided into families – within these families, lamps are listed by wattage. The Product Description can be used as a quick reference to each product's attributes. Where Life or Average Life are stated we refer to the industry standard definition of how many hours of operation 50% of a given installation will exceed.

Additional parameters:

Forward Voltage (Vf) Typical [V]: Typical voltage drop across the LED when driven at 350mA. Value will vary at different drive currents.

Track Angle: LED Cove is available with 3 mounting options, at 0, 15 and 30 degrees to the horizontal surface.

Watts:

Energy Used –
Nominal Watts.

To estimate energy consumption (kWh), multiply watts x hours of use and divide by 1000

Cap:
The type of cap
fitted.
See page 134-135
for cap drawings

Volts:
Lamp data
is based on
operation at
rated voltage

Product description:
The lamp's
identification code

Candela:
Luminous intensity
of the lamp beam
expressed in
candelas

CCT [K]:Colour
Temperature – Kelvins
A measure of the
visual “warmth” or
“coolness” of the light
from the lamp. The
higher the value the
whiter or “cooler” the
light appears

Life [L70, h] LED lamp and system life is expressed as L70 – the point in time when light output has fallen to 70% of its initial value

Length:
Lamp length in mm

Wattage [W]

Volts [V]

Cap

Product Description

Product Code

Candela [cd]

Beam Angle [°]

CCT [K]

CRI [Ra]

Life [L70,

Diameter
[mm]

Length [mm]

Pack Qty

LED High Output Range - R63

7	220-240	E27	LED7/R63/827/220-240V/FL/E27	76093	1200	20	2700	80+	20,000	63	101	8
7	220-240	E27	LED7/R63/827/220-240V/WFL/E2	76094	520	36	2700	80+	20,000	63	101	8
7	220-240	B22	LED7/R63/827/220-240V/FL/B22	76099	1200	20	2700	80+	20,000	63	101	8

LED 7 / R63 / 8 27 / 220-240V / FL / E27

(LED)
Identifies
lamp as
LED lamp

(7) Identifies Lamp's wattage

Identifies the lamp family

(8) Colour rendering
6 - Ra 58 to 67 (Group 2B)
7 - Ra 68 to 77 (Group 2A)
8 - Ra 78 to 87 (Group 1B)
9 - Ra 88 to 97 (Group 1A)

(30) Colour temperature
XX = First 2 digits of temperature in Kelvin - XX00K
Example: 30 is 3000K

(230V) Volts:
Lamp data
is based on
operation at
rated voltage

(FL)
Identifies as
Floodlight

(E27)
Identifies
the cap
type

Product code:
It is important to
use this code when
ordering to ensure
that you receive the
exact product you
require

Beam Angle:
The angle of the cone of light produced by a reflector lamp at 50% of its peak intensity

CRI [Ra]:
Colour Rendering Index
An indication of the ability of the lamp to render object colours in a normal, natural way. The higher the number (0-100), the better the colour appearance

Diameter:
Bulb diameter in mm

Pack quantity:
Number of product
units packed in a case

GE's new 4.5/7 Watt LED GU10

GU10 spot lamp is ideal for decorative lighting especially in hotels, restaurant, bar and lobby area.

Environmentally conscious

- Energy efficient, lead free glass, and long life means fewer lamp replacements vs. standard incandescent and halogen light sources

Product Benefits

- 85% energy saving
- Payback within one year
- Simple retrofit to most standard light fixture

Long life

- 25,000 hours rated life (L70)

Warm color

- 2700K/3000K

GE Quality and Reliability

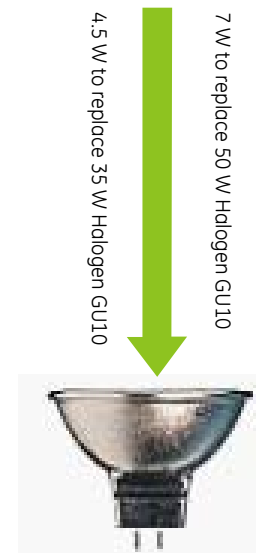
- Durable solid state design (no filament)



4.5W

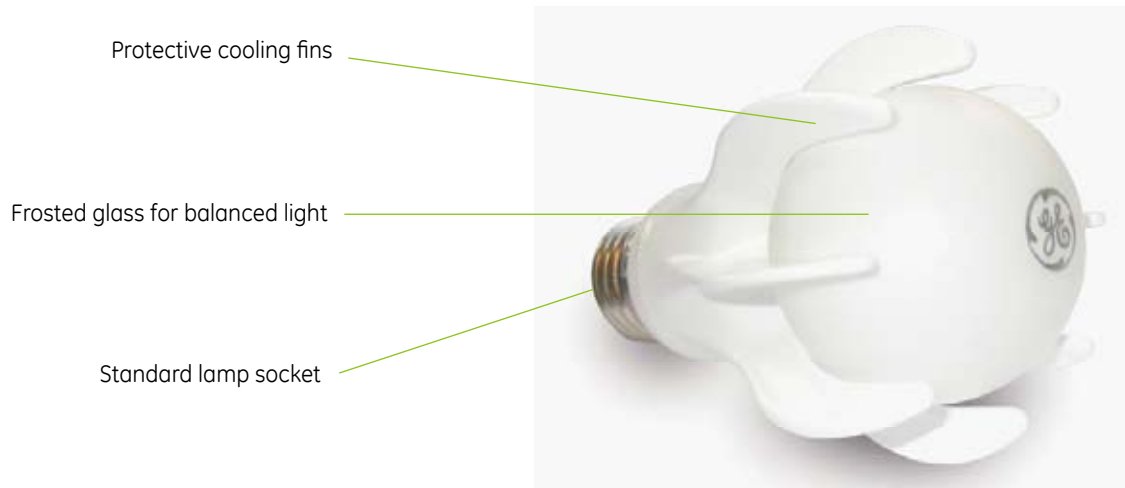


7W



GE LED A19

The new LED lamp from GE—the world's first true 40W equivalent LED bulb—consumes just 9 watts, provides an 80-percent energy savings and produces virtually the same light output of a 40-watt incandescent bulb while lasting at least 25 times as long.



Balanced Light Distribution Comparison

GE scientists and engineers designed GE's Energy Smart ® LED bulb to better direct light all around, not just out the top of the lampshade, as do some current LED bulbs.



NEW GE Infusion LED Modules

The Industry's first user-friendly
field-replaceable LED Lamp Module

“LED Luminaires are judged by serviceability and replaceability”

Daniel Blitzer, Ic, iesna, The Practical Lighting Workshop Principal, DOE Conference July 2009

Key features

- Allows upgradable luminaires to be designed knowing that future LED technology advances can be incorporated
- Easy 'simple twist' installation and replacement
- Optimized interface, with thermal, electrical and mechanical elements all separated



Vio LED MR16 Module

The look that lasts™

GE's award winning Vio™ LED technology is now available in an easy to use modular format that can be used in place of a 50mm halogen MR16 lamp, offering excellent quality of light and substantial energy saving possibilities.



Vio LED™ MR16 Module features and benefits

- Replaces MR16 lamps in recessed downlight and spotlighting applications
- 3.6 Watts for optimized energy saving
- Runs from 350mA constant current DC supply
 - compatible with range of LED drivers
- Dimensions smaller than MR16 lamp – same diameter, shallower depth
- Vio quality and stability of light – only available from GE
- 50,000 hour L70 lifetime
- High colour rendering index option
- Choice of three colour temperatures
- Attractive 'faceted reflector' appearance similar to halogen



Tetra AL10

LED linear system with extremely high colour rendition

A versatile linear LED system offering an industry best in class colour rendering of 93. Suitable for a variety of retail and architectural applications, this slim and modular fixture offers multiple lengths, beam angles and mounting angles - making it easy to incorporate into a wide array of designs.

An extremely long lifetime of 50,000 hours allows reduction of material and labour expenses associated with relamping. Combined with reduced energy consumption - up to 40% compared to T5 fluorescent - Tetra AL10 can significantly reduce operating costs.



Applications

Ideal for cove, retail under shelf, under cabinet, accent and task lighting.



Features and benefits

- Best in class CRI of 93
- Slimline
- Choice of 3 colour temperatures
- Choice of 4 optical distributions
- High light levels
- Low energy consumption
- 2 fixture lengths & 2 body colours that can be combined
- Low weight
- Long rated life of 50,000 hours
- Fully dimmable: 0-10V



GE LED Display Case Lighting System

Better light Better opportunities

The ultimate energy saving display case solution

- To save energy without compromising appearance it is vital that more lux per watt is delivered inside the case versus other systems. With GE's LED Display Case System, every emitted ray of light is directed within a 90° field, ensuring all light is usable and contained inside the case.
- Furthermore, a unique proprietary optical design creates dramatic sparkle effects throughout the case.



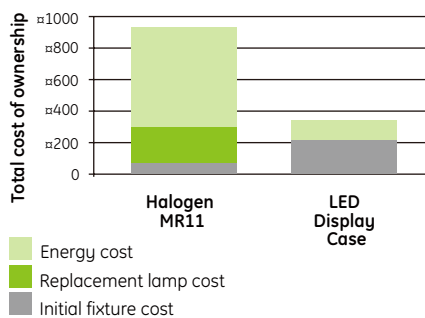
How LED can save money and help the environment

In this example, a single 25.9W LED Display Case unit is used instead of 6 halogen 20W MR11 lamps in a new jewellery display case. The benefits are clear:

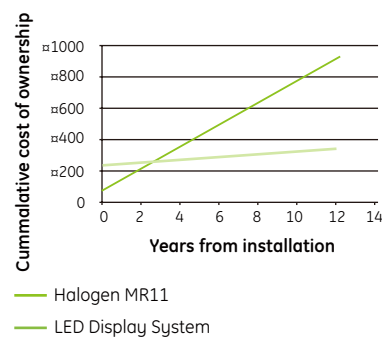
- 81% saving in energy consumption and CO2 emissions
- 12 year life of the LED system eliminates lamp replacement costs
- 64% reduction in total cost of ownership over LED useful lifetime
- 2.4 year payback



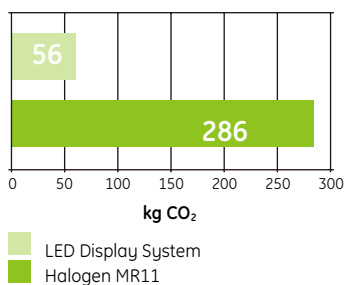
Cost of ownership over useful life of LED system



Payback



CO₂ emitted per case per year



Assumptions Energy cost of €0.10 per kWh. 0.536kg CO₂ emitted per kWh (European average from Eco-Invent). 4000 operational hours per year. Halogen fixture cost of €10, lamp cost of €3. NOTE theoretical 'typical' example only. All applications will vary.

GU10

Family



GU10 Family

The stillness at home, the elegance of a restaurant or the moderate lighting of an exhibition

LED GU10 Family

New GU10 Family offer substantial opportunities to reduce energy consumption and maintenance costs in applications where decorative, high quality tracking light is required.

Applications

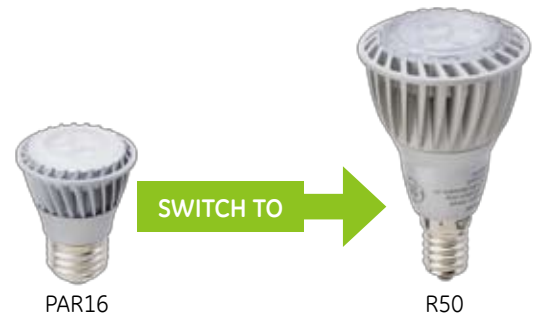
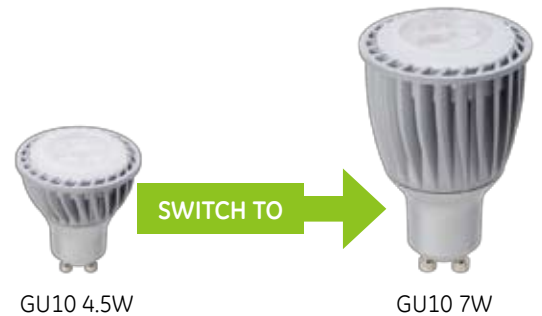
- Hotel/Restaurant/ Commercial Lighting

Advantage

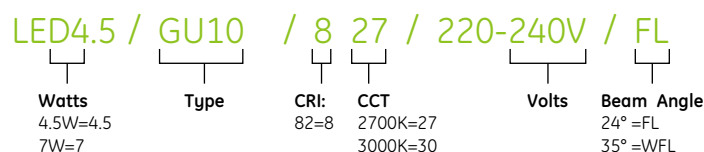
- higher lumen and more stable compare to the normal LED MR16

Features & Specification

- Lamps are the same size as their incandescent or halogen equivalents, CBCP is similar to 35W/50W halogen lamp
- Available in warm white color temperatures (2700K/3000K)
- Excellent CRI >80, High Power Factor >90%
- GU10, E14, E27 cap to meet different applications
- Long rated life 25000 hours at 70% lumens maintenance



Order logic



SKU Description

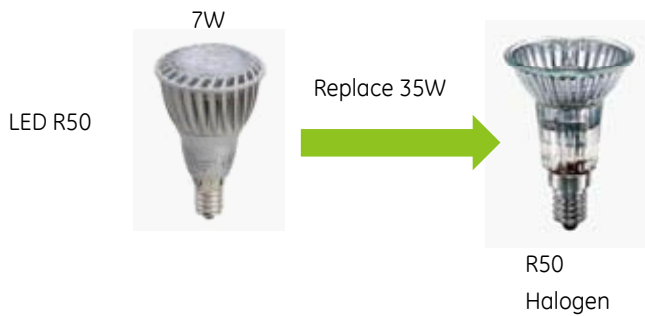
SKU	SKU Description	Type	Input Voltage	Wattage	Lumen	CBCP (cd)	Beam Angle (deg)	Socket	CRI	CCT	Life	MOD	MOL
63733	LED4.5/GU10/827/220-240V/FL/BX	GU10	220-240V	4.5	200	800	25	GU10	82	2700	25000	50.2	56.5
63734	LED4.5/GU10/827/220-240V/WFL/BX	GU10	220-240V	4.5	200	400	35	GU10	82	2700	25000	50.2	56.5
63735	LED4.5/GU10/830/220-240V/FL/BX	GU10	220-240V	4.5	200	800	25	GU10	82	3000	25000	50.2	56.5
63736	LED4.5/GU10/830/220-240V/WFL/BX	GU10	220-240V	4.5	200	400	35	GU10	82	3000	25000	50.2	56.5
63729	LED4.5/GU10/830/100-120V/FL/BX	GU10	120V	4.5	200	800	25	GU10	82	3000	25000	50.2	56.5
63730	LED4.5/GU10/830/100-120V/WFL/BX	GU10	120V	4.5	200	400	35	GU10	82	3000	25000	50.2	56.5
63739	LED7/GU10/830/220-240V/FL/BX	GU10	220-240V	7	300	1200	25	GU10	82	3000	25000	50.2	77.6
63740	LED7/GU10/830/220-240V/WFL/BX	GU10	220-240V	7	300	600	35	GU10	82	3000	25000	50.2	77.6
63741	LED7/GU10/827/220-240V/FL/BX	GU10	220-240V	7	300	1200	25	GU10	82	2700	25000	50.2	77.6
63742	LED7/GU10/827/220-240V/WFL/BX	GU10	220-240V	7	300	600	35	GU10	82	2700	25000	50.2	77.6
63737	LED4.5/R50/827/220-240V/WFL/E14/BX	R50	220-240V	4.5	200	400	35	E14	82	2700	25000	50	82.9
63738	LED4.5/R50/830/220-240V/WFL/E14/BX	R50	220-240V	4.5	200	400	35	E14	82	3000	25000	50	82.9
63743	LED4.5/P16/830/220-240V/FL/BX	PAR16	220-240V	4.5	200	800	25	E27	82	3000	25000	50.2	69.8
63744	LED4.5/P16/830/220-240V/WFL/BX	PAR16	220-240V	4.5	200	400	35	E27	82	3000	25000	50.2	69.8
63731	LED4.5/P16/830/100-120V/FL/BX	PAR16	220-240V	4.5	200	800	25	E26	82	3000	25000	50.2	66.8
63732	LED4.5/P16/830/100-120V/WFL/BX	PAR16	220-240V	4.5	200	400	35	E26	82	3000	25000	50.2	66.8

Upgrade

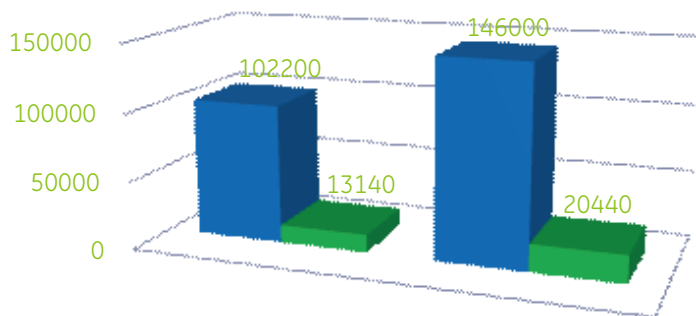
Energy Saving analysis

Use GE LED GU10 4.5W and 7W to replace halogen lamp which is 35W and 50W. Assuming operating time 8 hours/day, the chart shows energy saving situation as below.

(Axis: lighting wattage)



Lighting System Wattage



Hal 35W → LED 4.5W
■ Halogen Spot Lamp

Hal 50W → LED 7W
■ LED GU10 family

R63



Outstanding Energy Efficiency

Compared to standard 30 watt Incandescent PAR20 reflectors, GE's LED R63 uses only 7 watts, reducing energy consumption by 71%. The lamps optics concentrates light on the target, diminishing wasted extraneous light and increases the CBCP from 230 for a 20 degree Incandescent PAR20 to 1200 for a 20 degree LED R63

Application

- Down lighting and accent lighting in domestic and commercial (hotel, retail, leisure etc.)

Features and Technical Specifications

Energy saving

- Similar candela to 60W R63 incandescent lamps (360 version)
- 20% more candela than 50W halogen PAR20 lamps flood type (200 version)
- Similar beam angle to incandescent R63 lamps (360 version)
- Consumes almost 90% less energy than 60W incandescent R63 and 86% less energy than 50W halogen PAR20

Low maintenance costs

- Long life – 20,000 hours to 70% lumen output

High quality light

- Warm white 2700K and 3000K with CRI >80

Easy installation

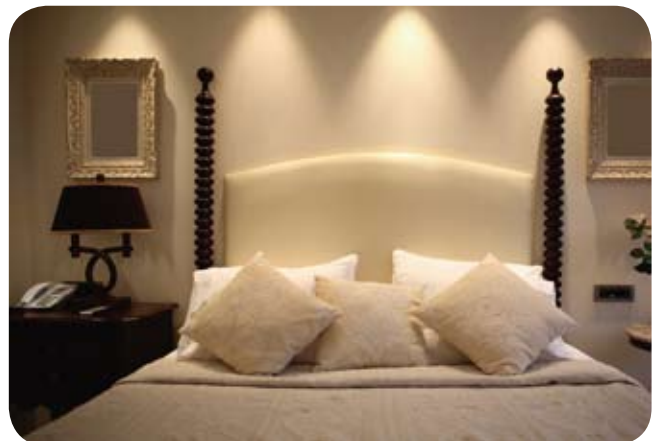
- Same size as incandescent R63 lamps
- Uses industry standard E27 base

Main applications

- Downlighting and accent lighting in domestic and commercial (hotel, retail, leisure etc) applications

Sustainable solution

- No mercury
- Up to 90% energy saving
- No UV, IR or heat in beam
- High power factor



Case Study

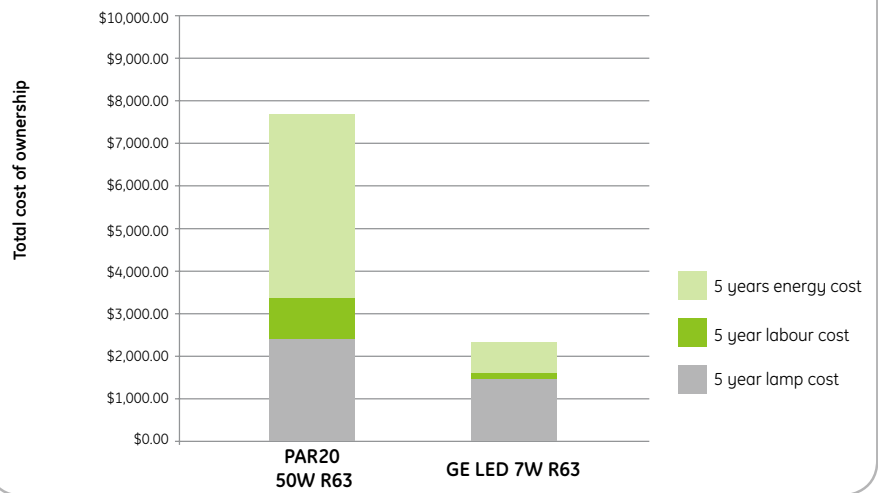
How you can save money and help the environment at the same time using GE LED Lamps

- 86% saving in energy consumption and CO₂ emissions
- 71% reduction in total cost of ownership over 5 years
- Payback in 1 year and can be less

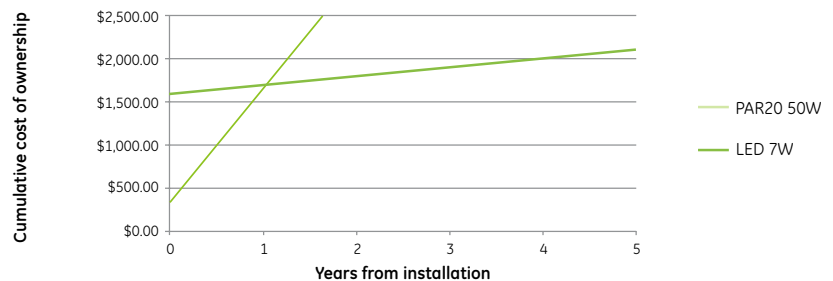
In this example, a store containing 40 50W halogen PAR20 lamps was retrofitted with GE 7W LED R63 lamps. Average burn time was assumed to be 4000 hours per year per lamp.

Assumes: \$0.11 per kWh, Labor cost to replace lamp \$2.

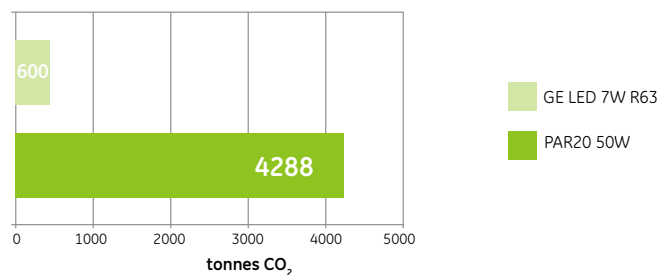
5 year cost of ownership



Payback



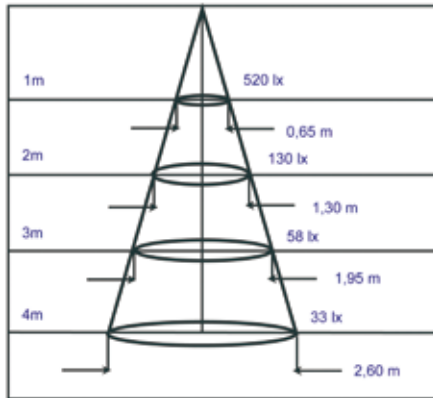
CO₂ Emitted Per Store Per Year



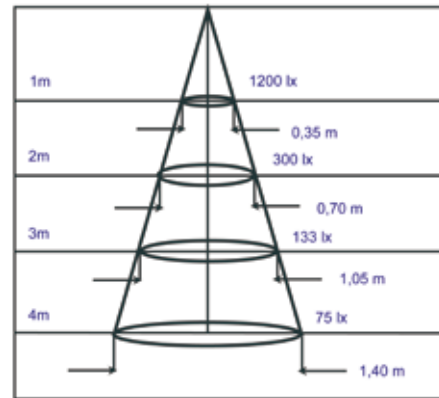
Assumptions Energy cost of \$0.11 per kWh. 0.536 kg CO₂ emitted per kWh (European average from Eco-Invent). 4000 operational hours per year. NOTE theoretical 'typical' example only. All applications will vary.

Photometric

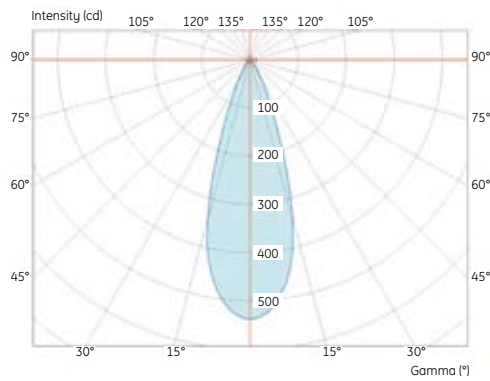
LED 7W R63 WFL
Nominal beam angle: 36°



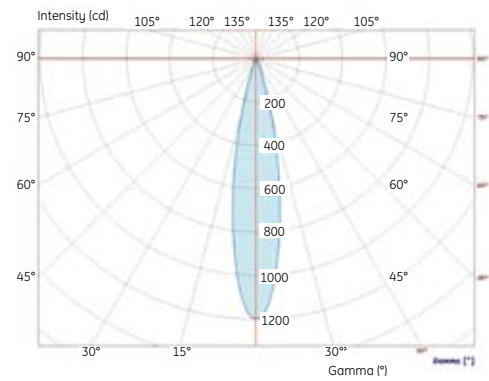
LED 7W R63 FL
Nominal beam angle: 20°



LED 7W R63 WFL
Nominal beam angle: 36°



LED 7W R63 FL
Nominal beam angle: 20°



Ordering Description

SKU	SKU Description	Input Voltage (V)	Wattage (V)	CBCP	Beam Angle (°)	Socket	CCT	Life
75294	LED 7/R63/830/220-240V/FL/E27 BX 1/8	220-240V	7	1200	20	E27	3000K	20000
75296	LED 7/R63/830/220-240V/WFL/E27 BX 1/8	220-240V	7	520	36	E27	3000K	20000
75295	LED 7/R63/830/220-240V/FL/B22 BX 1/8	220-240V	7	1200	20	B22	3000K	20000
75297	LED 7/R63/830/220-240V/WFL/B22 BX 1/8	220-240V	7	520	36	B22	3000K	20000
76093	LED 7/R63/827/220-240V/FL/E27 BX 1/8	220-240V	7	1200	20	E27	2700K	20000
76094	LED 7/R63/827/220-240V/WFL/E27 BX 1/8	220-240V	7	520	36	E27	2700K	20000
76099	LED 7/R63/827/220-240V/FL/B22 BX 1/8	220-240V	7	1200	20	B22	2700K	20000
76100	LED 7/R63/827/220-240V/WFL/B22 BX 1/8	220-240V	7	520	36	B22	2700K	20000

PAR30



LED PAR30

LED PAR30 is an ideal LED solution for commercial lighting in hotel, mall and supermarket etc. Combined with 25,000hr rated lifetime and reduced energy consumption up to 80%, LED PAR30 is suitably designed for long hours lighting applications.

Application

LED PAR30 is designed for Down lighting and Spot lighting in:

- Hotel/retail

Features & Technical Specification

- Similar lighting intensity distribution as 50W Hal PAR30
- Up to 80% energy saving compared to standard halogen lamp
- Lifetime: 25,000h@LM70
- Standard IEC dimension, easy for installation
- CCT: 2700K, 3000K, 6500K
- Beam angle: 24° , 36°
- No IR or UV



Ordering Description

SKU	SKU Description	Wattage (W)	Input Voltage (V)	CBCP (cd)	Beam Angle (°)	CCT (K)	CRI	Life Time (hrs@L70)	EA/Box
78553	LED10/PAR30/827/220-240V/FL/E27 BX1/6	10	220-240	1600	24	2700	80+	25000	6
78554	LED10/PAR30/827/220-240V/WFL/E27BX1/6	10	220-240	900	36	2700	80+	25000	6
78555	LED10/PAR30/830/220-240V/FL/E27BX1/6	10	220-240	1700	24	3000	80+	25000	6
78556	LED10/PAR30/830/220-240V/WFL/E27BX1/6	10	220-240	1000	36	3000	80+	25000	6
78557	LED10/PAR30/765/220-240V/FL/E27BX1/6	10	220-240	2000	24	6500	70+	25000	6
78558	LED10/PAR30/765/220-240V/WFL/E27BX1/6	10	220-240	1200	36	6500	70+	25000	6

Product Description Code

LED 10 / PAR 30 / 8 27 / 220-240V / FL / E27 BX1/6

Watts
10W = 10

Type

CRI:
80+=8
70+=7

CCT
2700K=27
3000K=30
6500K=65

Volts

Beam Angle
24° =FL
36° =WFL

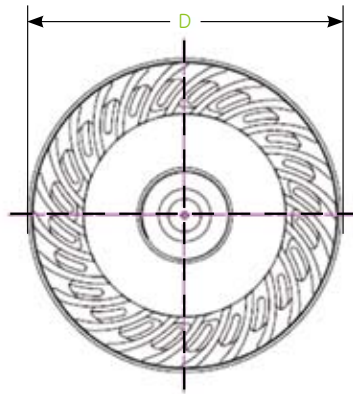
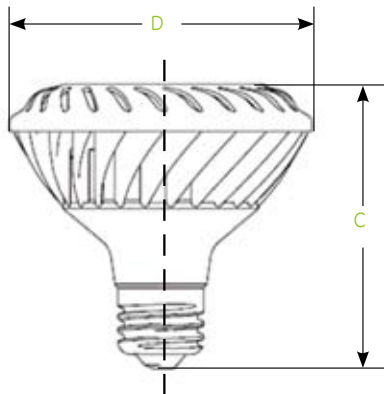
Cap

Package

Application Notes

- Operating temperature range is between -20°C~+40°C
- Only for indoor application
- Not for use with dimmers
- For use in fixtures that can support a lamp weighting 0.32KG

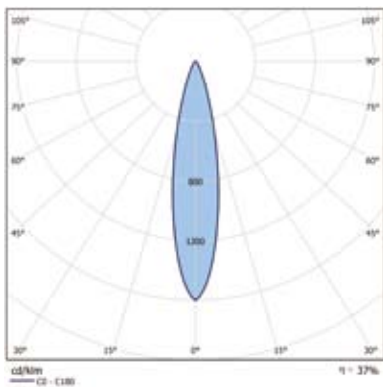
Dimensions



Type	C _{max} Length (mm)	D _{max} Diameter (mm)	Weight (kg)
LED PAR30	96	93	0.32

Photometrics

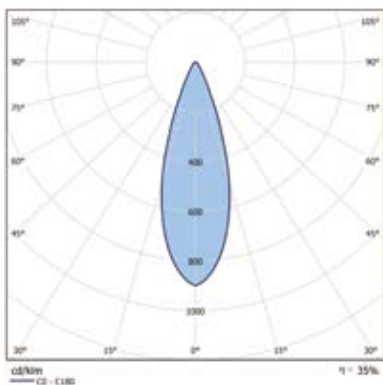
2700K 24D



2700K 24D

Distance (m)	Lux (Lx)	Diameter (m)
1	1600	0.39
2	400	0.78
3	178	1.17
4	100	1.56

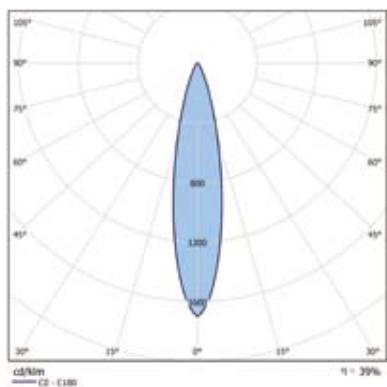
2700K 36D



2700K 36D

Distance (m)	Lux (Lx)	Diameter (m)
1	900	0.61
2	225	1.22
3	100	1.82
4	56	2.43

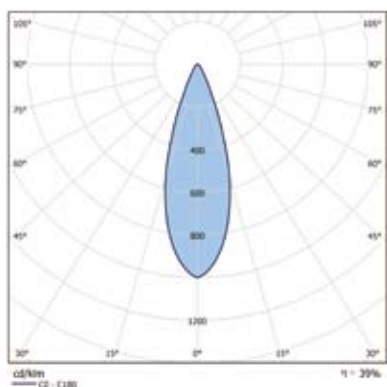
3000K 24D



3000K 24D

Distance (m)	Lux (Lx)	Diameter (m)
1	1700	0.39
2	425	0.78
3	189	1.17
4	106	1.56

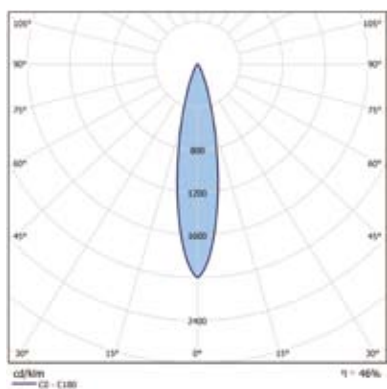
3000K 36D



3000K 36D

Distance (m)	Lux (Lx)	Diameter (m)
1	1000	0.61
2	250	1.22
3	111	1.82
4	63	2.43

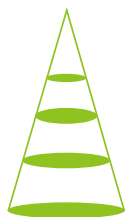
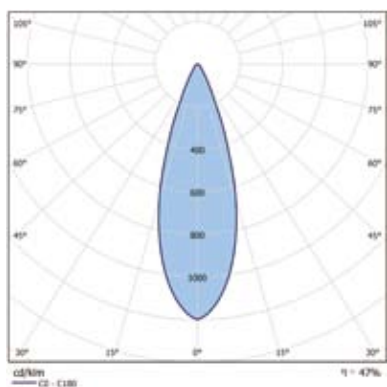
6500K 24D



6500K 24D

Distance (m)	Lux (Lx)	Diameter (m)
1	2000	0.39
2	500	0.78
3	222	1.17
4	125	1.56

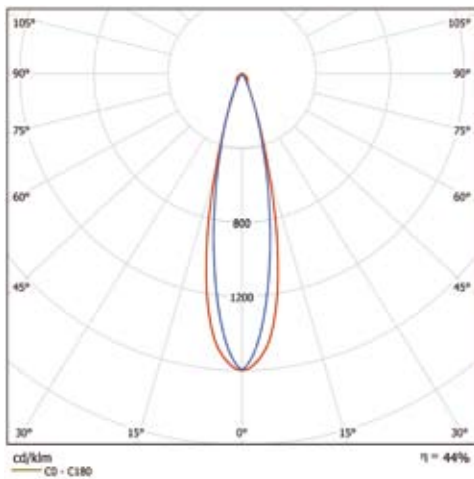
6500K 36D



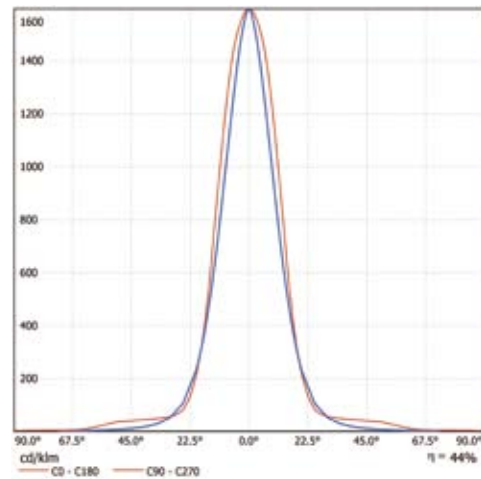
6500K 36D

Distance (m)	Lux (Lx)	Diameter (m)
1	1200	0.61
2	300	1.22
3	133	1.82
4	75	2.43

Light Intensity Distribution Comparison



— Halogen PAR30 (25D) — LED PAR30 (24D)



— Halogen PAR30 (25D) — LED PAR30 (24D)

GE LED PAR30 is an ideal replacement for traditional Halogen PAR30 for the light intensity distribution curves almost overlap.

Energy Saving Story

If a high-end hotel upgrades its traditional light source to more energy saving LED PAR30 product.

Assuming that there are 1000 GE LED PAR30 to be used to substitute the 50W Halogen PAR30 for down lighting and accent lighting, and operating time is about 24h per day. The hotel will save 350, 400kw*h electricity every year. As to the environmental benefit, this hotel can reduce carbon dioxide emission by 350t after this valuable replacement.



Dimmable

PAR Lamp



Dimmable PAR lamp

LED dimmable Par lamps are ideal LED solution for commercial lighting in hotel, mall and supermarket etc. Combined with 25,000hr rated lifetime and reduced energy consumption up to 80%, LED dimmable Par lamps are suitably designed for long hours lighting applications.

Application

- Down lighting and accent lighting in domestic and commercial (hotel, retail, leisure etc.) applications

Features & Technical Specification

- Peak intensity and beam angle match to 50W/75W incandescent or halogen equivalents.
- Up to 80% energy saving compared to standard halogen lamp
- Lifetime: 25,000h@LM70
- Standard IEC dimension, easy for installation
- Available in warm white color temperatures : 2700K, and 3000K
- Beam angle: 20° , 35°
- No IR or UV

Dimmable

The upgraded R63 and Par30 not only improve the lumen efficiency but also features excellent dimming characteristics. These lamps are dimmable down to 10% very smoothly as traditional halogen lamps



In a standard Par lamp application, much of the light projected does not fall on the intended target, but is diffused in the surrounding area due to poor optical control.



With the GE LED dimmable Par lamp, the advanced optical control of keeps the white, LED light on target therefore requiring 77% less energy to accent your merchandise.

Dimmable R63/Par20

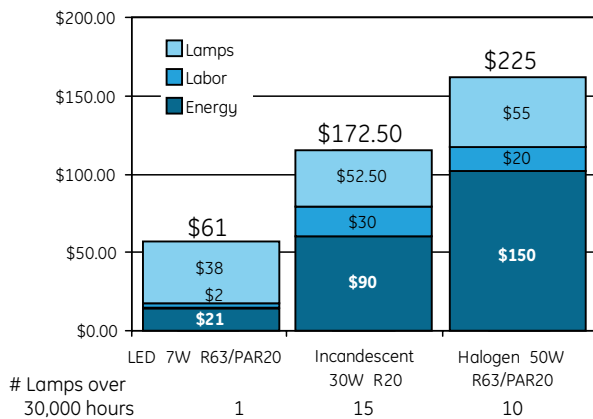


Dimmable PAR30

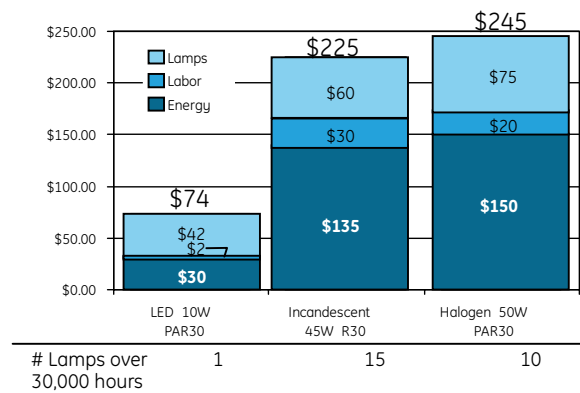


Cost to operate over 30,000 hours

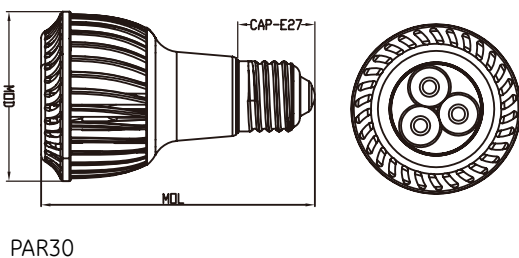
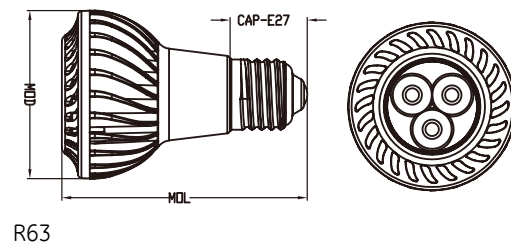
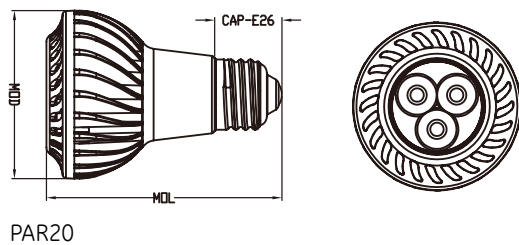
(Non-Dimmable)



Cost to operate over 30,000 hours



Dimensions

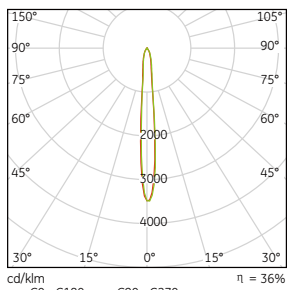


	MOD(mm)	MOL(mm)	Weight(Kg)
Par20 E26	63	88.5	0.16
Par20 E27	63	91.5	0.16
R63 E27	63	102	0.19
Par30 E26	95	90.5	0.31
Par30 E27	95	93.5	0.31

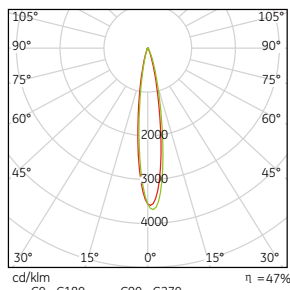
Unit: mm

Photometric

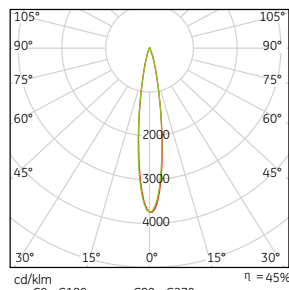
Par20-12D-120V-830



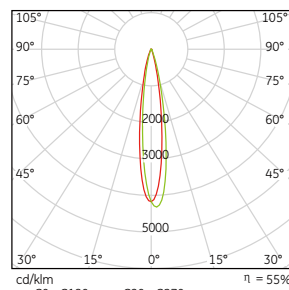
Par30-20D-120V-827



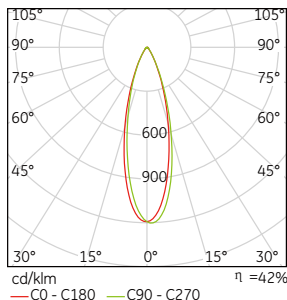
Par30-20D-230V-827



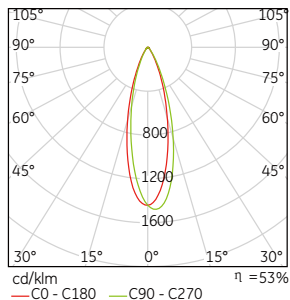
Par30-20D-230V-830



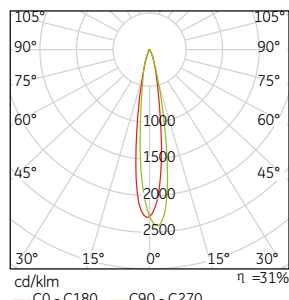
Par30-35D-230V-827



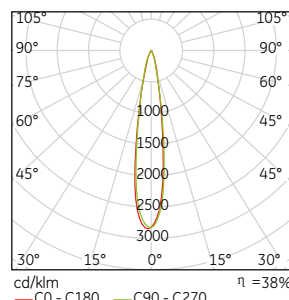
Par30-35D-230V-830



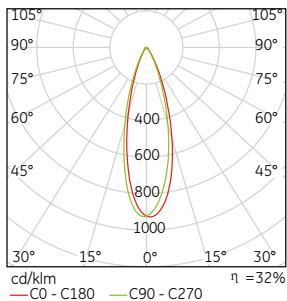
R63-20D-230V-827



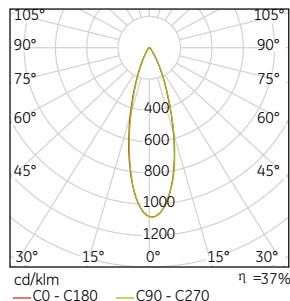
R63-20D-230V-830



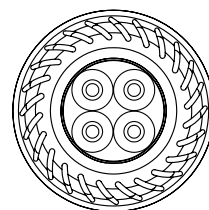
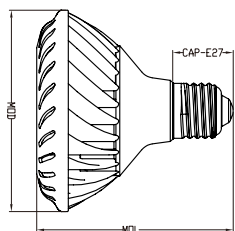
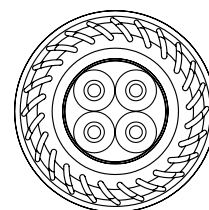
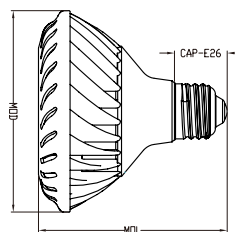
R63-35D-230V-827



R63-35D-230V-830



Dimensions



Order Logic

LED 10 D / PAR 30 / 8 27 / 220-240V / FL / BX

Watts: 7W=7, 10W=10
CRI: 80+=8, 70+=7
Type: D, PAR 30
CRI: 82=8
CCT: 2700K=27, 3000K=30
Volts: 220-240V
Beam Angle: 12°=SP, 20°=FL, 35°=WFL

SKU Data

CN SKU	SKU Description	Watts	PF	Volts	Base	Beam Angle	CCT	CRI	Initial Lumen	LPW Claim	CBCP Claim	Life
Rest of Asia												
PAR20												
63780	LED7D/P20W/830/100-120V/SP/BX	7	>0.9	95-132	E-26	12	3000	80	330	47	3400	25000
PAR30												
63783	LED10D/P30/827/100-120V/FL/BX	10	>0.9	95-132	E-26	20	2700	82	450	45	3450	25000
63793	LED10D/P30/827/220-240V/FL/BX	10	>0.8	220-240	E-27	20	2700	80	450	45	3450	25000
63794	LED10D/P30/827/220-240V/WFL/BX	10	>0.8	220-240	E-27	35	2700	80	450	45	1100	25000
63795	LED10D/P30/830/220-240V/FL/BX	10	>0.8	220-240	E-27	20	3000	80	450	45	3720	25000
63796	LED10D/P30/830/220-240V/WFL/BX	10	>0.8	220-240	E-27	35	3000	80	450	45	1130	25000
R63												
63789	LED7D/R63/827/220-240V/FL/BX	7	>0.8	220-240	E-27	20	2700	80	300	42	1900	25000
63790	LED7D/R63/827/220-240V/WFL/BX	7	>0.8	220-240	E-27	35	2700	80	300	42	830	25000
63791	LED7D/R63/830/220-240V/FL/BX	7	>0.8	220-240	E-27	20	3000	80	300	42	2000	25000
63792	LED7D/R63/830/220-240V/WFL/BX	7	>0.8	220-240	E-27	35	3000	80	300	42	850	25000

Dimmer compatibility list (for dimmable PAR20&R63)

Input Voltage (VAC)	Brand	Model	Feature	Power Rating (W)	Number of lamps per dimmer Flicker F or N		
					1	2	3
120	Lutron	S-10PR-WH	Push Switch	1000	N	N	N
		D-600PH-DK	Rotary	600	N	N	N
		Listed 6B38	Lever Switch	600	N	N	N
	Leviton	S-600PR-LA	Push Switch	600	N	N	N
		No.IPI10-1LM	Push Switch	1000	F	N	N
		# 6681	Rotary	600	N	N	N
230	Ace	SKU # 3247913	Rotary	600	N	N	N
			Rotary	60-400	F	N	N
	OSPEL TON	DW700DA	Rotary	50-300	N	N	N
		EF5700DE	Rotary	40-300	N	N	N
	KOPP		Rotary	40-400	F	N	N
			Rotary	40-400	N	N	N
	Everflourish	EF0700DA	Rotary	50-300	N	N	N
		RT34DMA	Rotary	100-500	N	N	N
	Bticino	NT4402	Rotary	60-500	F	N	N
			Rotary	100-500	N	N	N
	GEWISS	GW 20 802	Rotary	100-500	N	N	N
		PLANA	Rotary	100-500	N	N	N
	Drespa/Lichtregler	S/N005616-00	Rotary	60-400	N	N	N
		AYA22000121	Rotary	60-500	N	N	N
	SOLOGIC	Art No. 28956	Rotary	60-400	N	N	N
		Art No. 28969	Rotary	60-400	N	N	N
	Berker	286610	Rotary	20-500	N	N	N
		283010	Rotary	60-400	N	N	N
	Niko	310-013	Rotary	60-300	N	N	N
			Rotary	600	F	N	N
	OPUS	852.390	Rotary	60-400	N	N	N
		852.392	Rotary	20-500	N	N	N
	Siemens		Rotary	40-500	N	N	N

Dimmer compatibility list (for dimmable PAR30)

Input Voltage (VAC)	Brand	Model	Feature	Power Rating (W)	Number of lamps per dimmer Flicker F or N		
					1	2	3
120	Lutron	S-10PR-WH	Push Switch	1000	N	N	N
		D-600PH-DK	Rotary	600	N	N	N
		Listed 6B38	Lever Switch	600	N	N	N
	Leviton	S-600PR-LA	Push Switch	600	N	N	N
		No.IPI10-1LM	Push Switch	1000	N	N	N
		# 6681	Rotary	600	N	N	N
230	Ace	SKU # 3247913	Rotary	600	N	N	N
			Rotary	60-400	N	N	N
	OSPEL TON	DW700DA	Rotary	50-300	N	N	N
		EF5700DE	Rotary	40-300	N	N	N
	KOPP		Rotary	40-400	N	N	N
			Rotary	40-400	N	N	N
	Everflourish	EF0700DA	Rotary	50-300	N	N	N
		RT34DMA	Rotary	100-500	N	N	N
	Bticino	NT4402	Rotary	60-500	N	N	N
			Rotary	100-500	N	N	N
	GEWISS	GW 20 802	Rotary	100-500	N	N	N
		PLANA	Rotary	100-500	N	N	N
	Drespa/Lichtregler	S/N005616-00	Rotary	60-400	N	N	N
		AYA22000121	Rotary	60-500	N	N	N
	SOLOGIC	Art No. 28956	Rotary	60-400	N	N	N
		Art No. 28969	Rotary	60-400	N	N	N
	Berker	286610	Rotary	20-500	N	N	N
		283010	Rotary	60-400	N	N	N
	Niko	310-013	Rotary	60-300	N	N	N
			Rotary	600	F	N	N
	OPUS	852.390	Rotary	60-400	N	N	N
		852.392	Rotary	20-500	N	N	N
	Siemens		Rotary	40-500	N	N	N

PAR38



Outdoor PAR38

GE's new 20 Watt Light Emitting Diode (LED) PAR38 lamp is ideal for outdoor applications.

Environmentally conscious

Energy efficient and long life means fewer lamp replacements vs. standard incandescent and halogen light sources. Designed to meet ENERGY STAR® requirements.

Low cost operation

Using only 20 Watts of power, this LED would cost less than \$9.00 per year to operate, assuming 4,500 burn hours annually at \$0.10 per kWh.

Long life

- 25,000 hours rated life (L70)

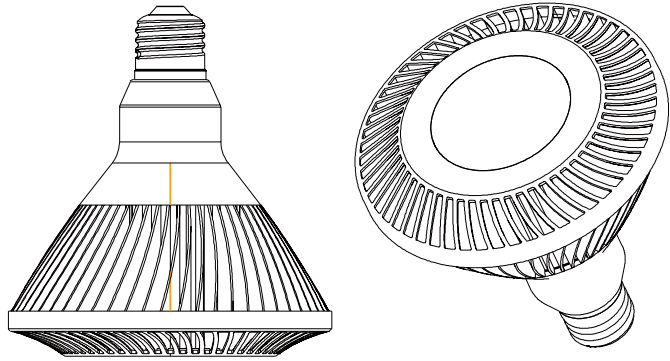
Warm color

- 3000 K

SKU Description

CN SKU	SKU Desc.	Watts	Volts	Base	Beam Angle	CCT	CRI	Initial Lumen	LPW Claim	CBCP Claim	Life
PAR38											
63768	LED20/P38/827/220-240V/FL/BX	20	95-132	E26	25	2700	80	950	47.5	4000	25K
63769	LED20/P38/827/220-240V/WFL/BX	20	95-132	E26	40	2700	80	950	47.5	1600	25K
63770	LED20/P38/830/220-240V/FL/BX	20	95-132	E26	25	3000	80	1050	52.5	4500	25K
63771	LED20/P38/830/220-240V/WFL/BX	20	95-132	E26	40	3000	80	1050	52.5	1650	25K
63772	LED20/P38/865/220-240V/FL/BX	20	95-132	E26	25	6500	70	1200	60	5000	25K
63773	LED20/P38/865/220-240V/WFL/BX	20	95-132	E26	40	6500	70	1200	60	1700	25K
63774	LED20/P38/827/220-240V/FL/BX	20	220-240	E27	25	2700	80	950	47.5	4000	25K
63775	LED20/P38/827/220-240V/WFL/BX	20	220-240	E27	40	2700	80	950	47.5	1600	25K
63776	LED20/P38/830/220-240V/FL/BX	20	220-240	E27	25	3000	80	1050	52.5	4500	25K
63777	LED20/P38/830/220-240V/WFL/BX	20	220-240	E27	40	3000	80	1050	52.5	1650	25K
63778	LED20/P38/865/220-240V/FL/BX	20	220-240	E27	25	6500	70	1200	60	5000	25K
63779	LED20/P38/865/220-240V/WFL/BX	20	220-240	E27	40	6500	70	1200	60	1700	25K

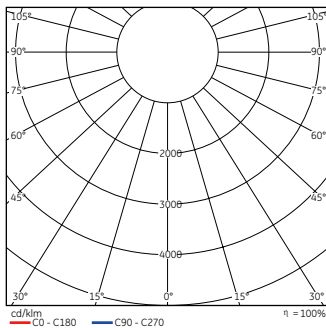
Dimensions



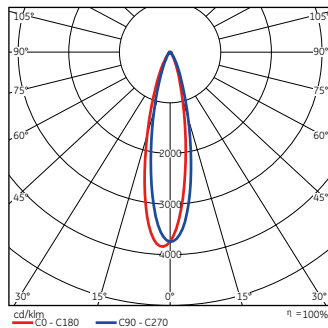
Unit: mm

Photometric

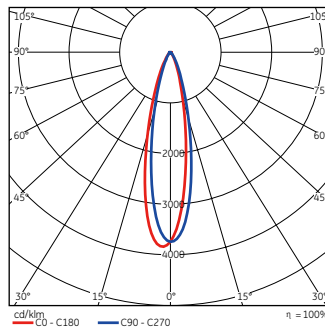
120V 2700K 25DE26



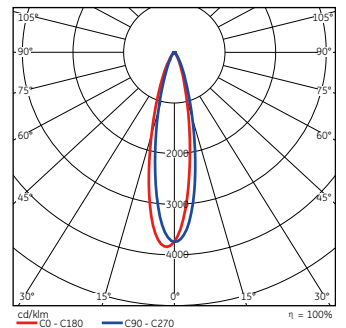
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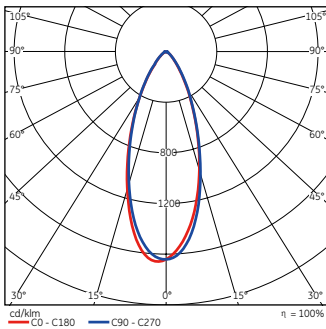
120V 3000K 25DE26



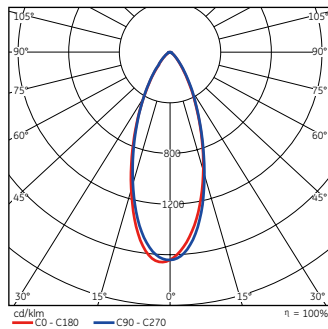
120V 3000K 40DE26



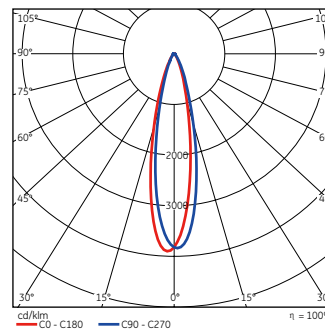
120V 6500K 25DE26



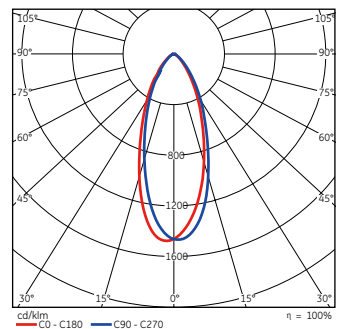
120V 6500K 40DE26



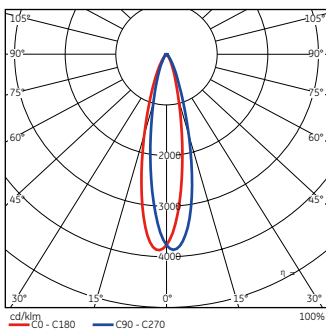
230V 2700K 25DE27



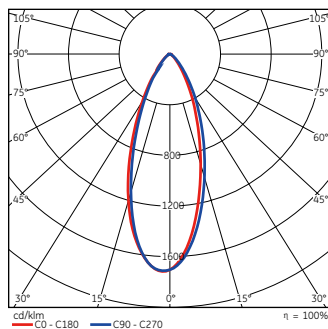
230V 2700K 40DE27



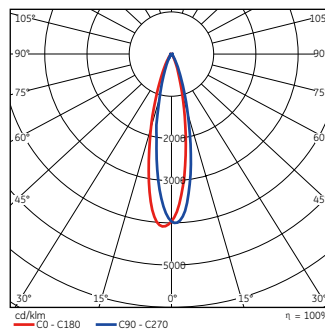
230V 3000K 25DE27



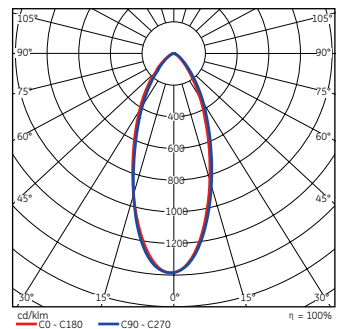
230V 3000K 40DE27



230V 6500K 25DE27



230V 6500K 40DE27



Retail

PAR38 Lamps



Retail PAR38 Lamps

The GE energy smart® LED Retail PAR38 lamp is the perfect blend of enhanced color quality, advanced optics and reduced glare.

Product Benefits

GE's LED Retail 17 watt PAR38 lamps provide significant energy savings and color quality demanded by merchants. The GE LED Retail PAR38 features reduced glare design, leadership optics and lowers potential for fading or discoloration of merchandise (UV/IR).

Environmentally conscious

- Designed to meet ENERGY STAR® requirements
- RoHS Compliant

High Output

- 820 lumens

Long life

- Very long life –rated for 25,000 hours at L70

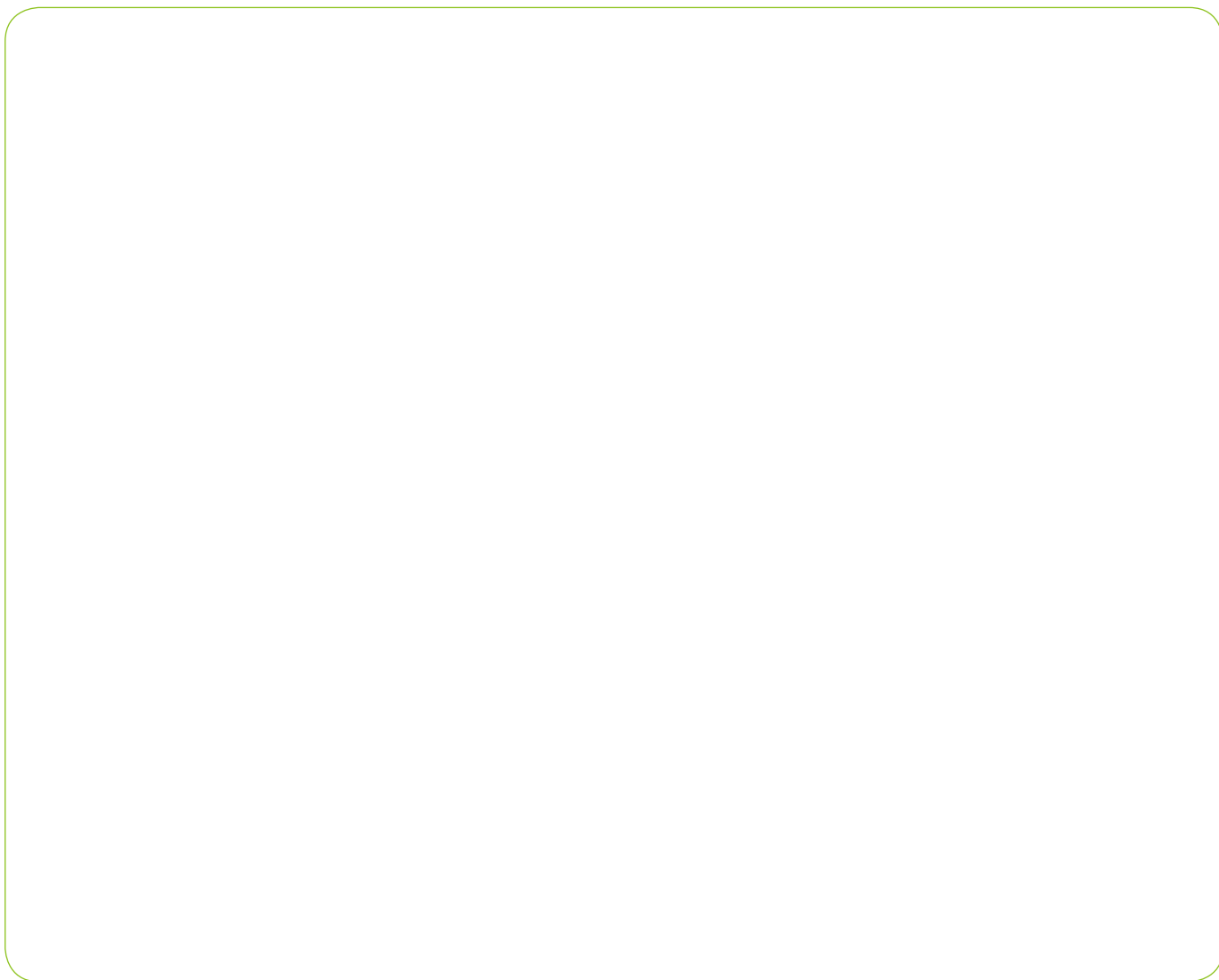
Warm color

- Available in 84 and 87 CRI and high saturated reds

GE Quality and reliability

- 3 year limited warranty

A19



Omni Directional A19 Blub

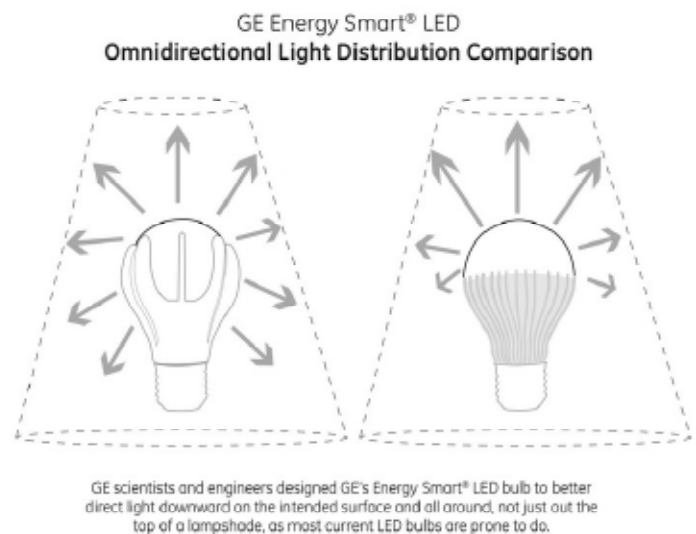
The GE energy smart® LED A19 stands apart as an excellent replacement for a standard 40W incandescent product and is expected to meet ENERGY STAR® guidelines that will be effective in August 2010.

A19 benefits

- Expected to consume just 9w compared with 40w INC/HAL or 10w CFL, while delivering nearly the same light output
- Expected 25,000-hour rated life-will last 17 years (4 hours per day), which is 25 times longer than a general service 40w INC or HAL bulb and more than 3 times longer than a standard 8,000-hour rated life CFL
- LED technology delivers the instant full brightness of an INC or HAL bulb
- Durable solid-state design with no filament to break
- Contains no mercury and will be RoHS compliant
- Feels cooler to the touch than CFLs and far cooler than incandescent bulbs

General Characteristics

- Lamp type: LED –Aline
- Bulb: A19
- Base: Medium Screw (E
- Bulb Finish: Coated
- Initial Lumens: 450
- Wattage: 9
- Voltage: 120
- CRI: >80
- Color Temperature: 3000 K
- Power Factor: >0.95
- Rated Life: 25,000 hrs
- Bulb Material: Soft Glass
- Primary Application: Standard

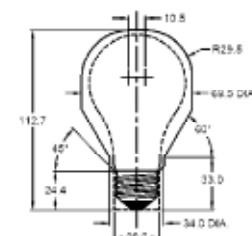


SKU Description

CN SKU	SKU Description	Type	watts	Volts	Base	CCT	CRI	Lumen	Life
Omni A19									
63760	LED9/A60/830/100-120V/E26/BL	A19	9	120	E26	3000	80	450	25K
63761	LED9/A60/765/100-120V/E26/BL	A19	9	120	E26	6500	70	?	25K
63757	LED9/A60/830/220-240V/E27/BL	A19	9	230	E27	3000	80	470	25K
63759	LED9/A60/765/220-240V/E27/BL	A19	9	230	E27	6500	70	?	25K
64393	LED9/A60/830/220-240V/B22/BL	A19	9	230	B22	3000	80	450	25K
64394	LED9/A60/765/220-240V/B22/BL	A19	9	230	B22	6500	70	?	25K

Dimension

- Maximum Overall
- Length (MOL) 112.7mm
- Bulb Diameter (DIA) 69.5mm
- Weight:125 grams

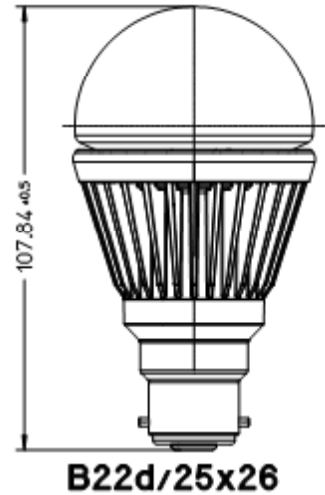
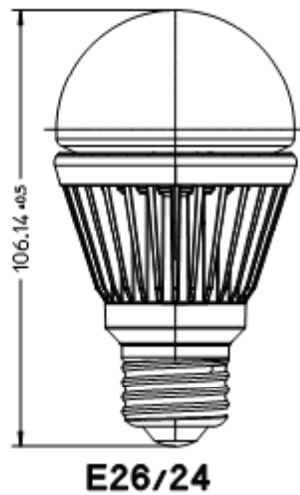
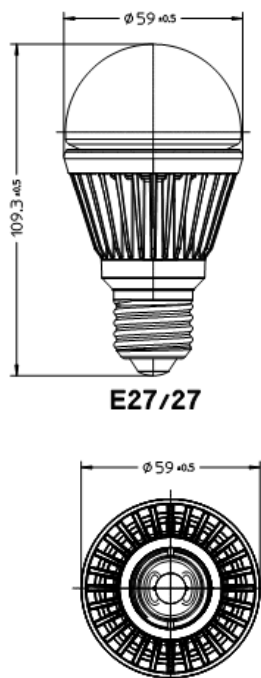


产品名称



A large, empty rectangular box with rounded corners and a thin green border, intended for product description or specifications.

Dimensions



Unit: mm

Ordering Description

CN SKU	SKU Description	Type	watts	Volts	Base	CCT	CRI	Lumen	Life
China									
Snowcone A19									
64073	LED9/A19/827/220-240/E27/BX	A19	9	230	E27	2700	80	500	25000
64074	LED9/A19/830/220-240/E27/BX	A19	9	230	E27	3000	80	395	25000
64075	LED9/A19/765/220-240/E27/BX	A19	9	230	E27	6500	70	430	25000
Rest of Asia									
Snowcone A19									
64073	LED9/A19/827/220-240/E27/BX	A19	9	230	E27	2700	80	500	25000
64074	LED9/A19/830/220-240/E27/BX	A19	9	230	E27	3000	80	395	25000
64075	LED9/A19/765/220-240/E27/BX	A19	9	230	E27	6500	70	430	25000
64064	LED9/A19/827/220-240/E27/BX	A19	9	230	E27	2700	80	500	25000
64065	LED9/A19/830/220-240/E27/BX	A19	9	230	E27	3000	80	395	25000
64066	LED9/A19/765/220-240/E27/BX	A19	9	230	E27	6500	70	430	25000
64067	LED9/A19/827/220-240/B22/BX	A19	9	230	B22	2700	80	500	25000
64068	LED9/A19/830/220-240/B22/BX	A19	9	230	B22	3000	80	395	25000
64069	LED9/A19/765/220-240/B22/BX	A19	9	230	B22	6500	70	430	25000
64070	LED9/A19/827/100-120/E26/BX	A19	9	230	E26	2700	80	500	25000

Deco lamp



Overview

GE's LED Deco lamps deliver incandescent-like sparkling and diffuse light effects with only 2W of energy consumption and 15,000 hrs lifetime, making them ideal for general and decorative lighting in home and hospitality applications.

Application

- Decorative lighting in hotel, restaurant, retailing shop etc

LED Spherical/Candle Decor

- 2W Energy Consumption
- CCT: 2900K, CRI>80
- Contain no lead or mercury
- E27/E14/B22 Socket
- 15000 hrs lifetime
- Clear/Diffused finishes



A47



P45



B35



LED Globe Decor

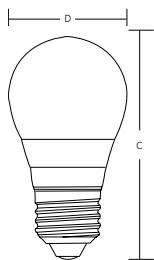
- 2.5W Energy Consumption
- CCT: 2900K, CRI>80
- Contain no lead or mercury
- E27/B22 Socket
- 15000 hrs lifetime
- Diffused finishes



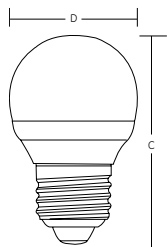
G80



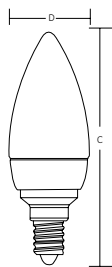
Dimensions



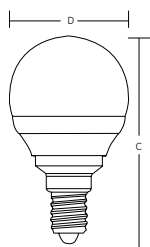
Type	C _{max} Length (mm)	D _{max} Diameter (mm)
A47-E27	88.5 ± 3	Ø47 ± 1



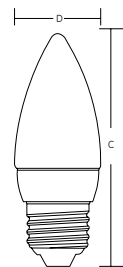
Type	C _{max} Length (mm)	D _{max} Diameter (mm)
P45-E27	71 ± 3	Ø45 ± 1



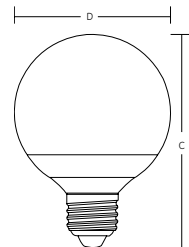
Type	C _{max} Length (mm)	D _{max} Diameter (mm)
B35-E14	101 ± 3	Ø35 ± 1



Type	C _{max} Length (mm)	D _{max} Diameter (mm)
P45-E14	77 ± 3	Ø45 ± 1







Type	C _{max} Length (mm)	D _{max} Diameter (mm)
B35-E27	99.5 ± 3	Ø35 ± 1



Type	C _{max} Length (mm)	D _{max} Diameter (mm)
G80-E27	109.5 ± 3	Ø80 ± 1

Energy Smart® Decorative

	Product code	Description	Lumen(lm)	Watts(W)	Voltage(V)	CCT(K)	CRI	Socket	Lens	Lifetime (h)	Pack Qty.
A47											
	78759	LED 2/A47/829/220-240V/E27/C BX 1/6	60	2	220-240	2900	82	E27	Clear	15,000	6/box
	78760	LED 2/A47/829/220-240V/E27/D BX 1/6	60	2	220-240	2900	82	E27	Diffused	15,000	6/box
	78761	LED 2/A47/829/220-240V/B22/C BX 1/6	60	2	220-240	2900	82	B22	Clear	15,000	6/box
	78762	LED 2/A47/829/220-240V/B22/D BX 1/6	60	2	220-240	2900	82	B22	Diffused	15,000	6/box
P45											
	78763	LED 2/P45/829/220-240V/E27/C BX 1/6	60	2	220-240	2900	82	E27	Clear	15,000	6/box
	78764	LED 2/P45/829/220-240V/E27/D BX 1/6	60	2	220-240	2900	82	E27	Diffused	15,000	6/box
	78765	LED 2/P45/829/220-240V/B22/C BX 1/6	60	2	220-240	2900	82	B22	Clear	15,000	6/box
	78766	LED 2/P45/829/220-240V/B22/D BX 1/6	60	2	220-240	2900	82	B22	Diffused	15,000	6/box
	78767	LED 2/P45/829/220-240V/E14/C BX 1/6	60	2	220-240	2900	82	E14	Clear	15,000	6/box
	78768	LED 2/P45/829/220-240V/E14/D BX 1/6	60	2	220-240	2900	82	E14	Diffused	15,000	6/box
Candle											
	78771	LED 2/B35/829/220-240V/E27/C BX 1/6	60	2	220-240	2900	82	E27	Clear	15,000	6/box
	78772	LED 2/B35/829/220-240V/E27/D BX 1/6	60	2	220-240	2900	82	E27	Diffused	15,000	6/box
	78773	LED 2/B35/829/220-240V/B22/C BX 1/6	60	2	220-240	2900	82	B22	Clear	15,000	6/box
	78774	LED 2/B35/829/220-240V/B22/D BX 1/6	60	2	220-240	2900	82	B22	Diffused	15,000	6/box
	78775	LED 2/B35/829/220-240V/E14/C BX 1/6	60	2	220-240	2900	82	E14	Clear	15,000	6/box
	78776	LED 2/B35/829/220-240V/E14/D BX 1/6	60	2	220-240	2900	82	E14	Diffused	15,000	6/box
G80											
	78769	LED2.5/G80/829/220-240V/E27/D BX 1/6	80	2.5	220-240	2900	82	E27	Clear	15,000	6/box
	78770	LED2.5/G80/829/220-240V/B22/D BX 1/6	80	2.5	220-240	2900	82	B22	Diffused	15,000	6/box

Product Description Code

LED 2 / P45 / 8 29 / 220-240V / E27 / C BX 1 / 6

Wattage: 2W=2
2.5W=2.5

Type

CRI: 80+=8

CCT: 2700K=27
3000K=30
6500K=65

Voltage

Socket

Finishes: Clear=C
Diffused=D

Pack

Tetra™ AL10

Cove and Under Cabinet Lighting



Tetra™ AL10

Backed by reputation for reliability in the LED industry, this robust, low-voltage system is rated to perform for 50,000 hours-reducing material and labor expenses associated with relamping. Combined with reduced energy consumption-up to 65% compared to GE T8 Fluorescent-Tetra™ AL10 significantly lowers operating costs to offer a competitive payback.

Application

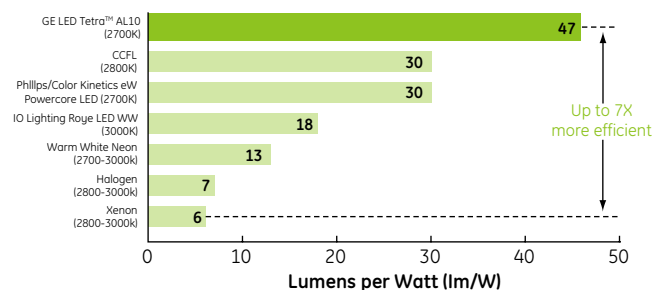
- Retail Under Shelf
- Cove
- Architectural Accent
- Under Cabinet



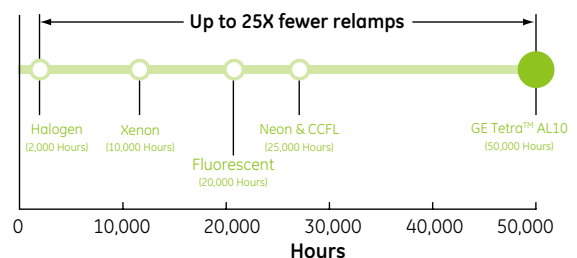
Features & Technical Specification

- Long rated life - 50,000 hours (LM70%)
- Excellent luminance and light uniformity - High CRI>93 & lumen>710 lms / m
- Fully dimmable - 0-10V
- Color temperatures - 2700K, 3000K, 4000K (ANSI bins)
- Unique design - Length (230mm /460mm), width (45mm), depth (24mm w/lens)
- Multiple lens options - 60° , 90° , 120° with clear & diffuse lens
- Mounting angle - 0, 15 & 30 degree
- Universal voltage input - 120V/240V

Efficiency Comparison



Relamp Schedule



Fluorescent
(Dark area in the connection)



GE Tetra™ AL10
(No dark area in the connection)

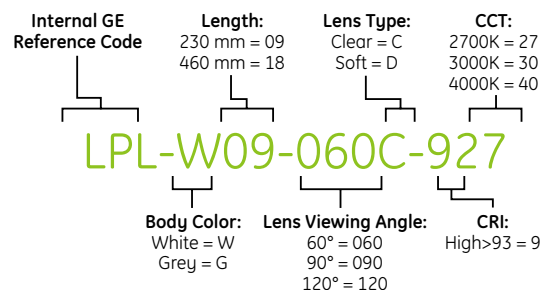
Performance Data

White Fixture		Grey Fixture		Voltage (V)	CCT (K)	CRI	Lens Type	Length (mm)	Lumens per Fixture (Lm)	Watts per Fixture (W)	Lumens per Watt (Lm/W)
Product Code	Description	Product Code	Description								
78867	LPL-W18-060C-927	78893	LPL-G18-060C-927	12	2700	93	60° clear	460	290	6.8	43
78855	LPL-W09-060C-927	78881	LPL-G09-060C-927	12	2700	93	60° clear	230	145	3.4	43
78871	LPL-W18-090C-927	78896	LPL-G18-090C-927	12	2700	93	90° clear	460	290	6.8	43
78858	LPL-W09-090C-927	78884	LPL-G09-090C-927	12	2700	93	90° clear	230	145	3.4	43
78874	LPL-W18-120C-927	78899	LPL-G18-120C-927	12	2700	93	120° clear	460	290	6.8	43
78861	LPL-W09-120C-927	78887	LPL-G09-120C-927	12	2700	93	120° clear	230	145	3.4	43
78878	LPL-W18-120D-927	78902	LPL-G18-120D-927	12	2700	93	120° soft	460	290	6.8	43
78864	LPL-W09-120D-927	78890	LPL-G09-120D-927	12	2700	93	120° soft	230	145	3.4	43
78868	LPL-W18-060C-930	78894	LPL-G18-060C-930	12	3000	93	60° clear	460	300	6.8	44
78856	LPL-W09-060C-930	78882	LPL-G09-060C-930	12	3000	93	60° clear	230	150	3.4	44
78872	LPL-W18-090C-930	78897	LPL-G18-090C-930	12	3000	93	90° clear	460	300	6.8	44
78859	LPL-W09-090C-930	78885	LPL-G09-090C-930	12	3000	93	90° clear	230	150	3.4	44
78875	LPL-W18-120C-930	78900	LPL-G18-120C-930	12	3000	93	120° clear	460	300	6.8	44
78862	LPL-W09-120C-930	78888	LPL-G09-120C-930	12	3000	93	120° clear	230	150	3.4	44
78879	LPL-W18-120D-930	78903	LPL-G18-120D-930	12	3000	93	120° soft	460	300	6.8	44
78865	LPL-W09-120D-930	78891	LPL-G09-120D-930	12	3000	93	120° soft	230	150	3.4	44
78870	LPL-W18-060C-940	78895	LPL-G18-060C-940	12	4000	93	60° clear	460	320	6.8	47
78857	LPL-W09-060C-940	78883	LPL-G09-060C-940	12	4000	93	60° clear	230	160	3.4	47
78873	LPL-W18-090C-940	78898	LPL-G18-090C-940	12	4000	93	90° clear	460	320	6.8	47
78860	LPL-W09-090C-940	78886	LPL-G09-090C-940	12	4000	93	90° clear	230	160	3.4	47
78877	LPL-W18-120C-940	78901	LPL-G18-120C-940	12	4000	93	120° clear	460	320	6.8	47
78863	LPL-W09-120C-940	78889	LPL-G09-120C-940	12	4000	93	120° clear	230	160	3.4	47
78880	LPL-W18-120D-940	78904	LPL-G18-120D-940	12	4000	93	120° soft	460	320	6.8	47
78866	LPL-W09-120D-940	78892	LPL-G09-120D-940	12	4000	93	120° soft	230	160	3.4	47







Components

Product Code	Description Code	Product Description	Quantity
74601	GE060/G/V12T1-A	LED Driver - 12V 60W	1/EA
74914	GE020/G/V12T1-B	LED Driver - 12V 20W	1/EA
78905	LC-36	Leader Cable - 914mm	5/PK
78906	LC-120	Leader Cable - 3048mm	5/PK
78907	JC-12	Jumper Cable - 305mm	5/PK
78908	JC-72	Jumper Cable - 1829mm	5/PK
78909	MB-W15	Mounting Bracket - White 15° Angle	20/PK
78910	MB-W30	Mounting Bracket - White 30° Angle	20/PK
78910	MB-G15	Mounting Bracket - Grey 15° Angle	20/PK
78912	MB-G30	Mounting Bracket - Grey 30° Angle	20/PK

Product Description Codes

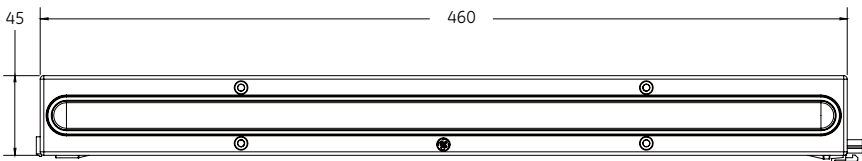


Technical Specifications

Specification Item	Specification
Operating Voltage	12 VDC
Compatible LED Drivers	74601 (GE060/G/V12T1-A) and 74914 (GE020/G/V12T1-B)
Maximum Loading	74601: 3.96 m, 74914: 1.22 m
Ambient Temperature	-20°C ~ +40°C
IP Rating	IP52: dry or damp location rated
System Certifications	     

Dimensional Drawings

Unit: mm



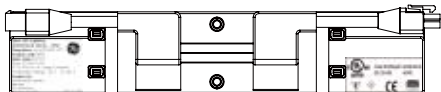
460mm Top View



230mm Top View



460mm Bottom View

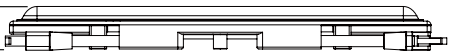


230mm Bottom View

60° Clear Lens

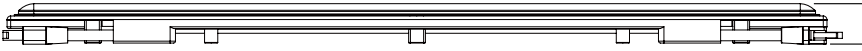


460mm Side View



230mm Side View

90° Clear Lens



460mm Side View

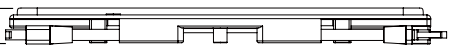


230mm Side View

120° Clear Lens



460mm Side View



230mm Side View

120° Soft Lens

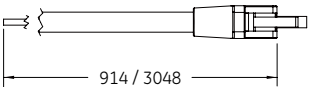


460mm Side View

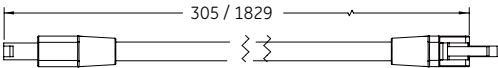


230mm Side View

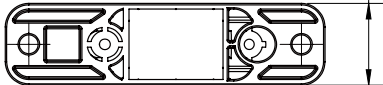
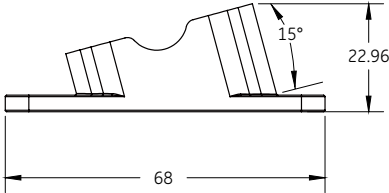
Leader Cable



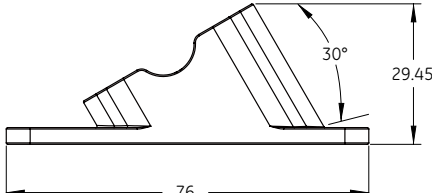
Jumper Cable



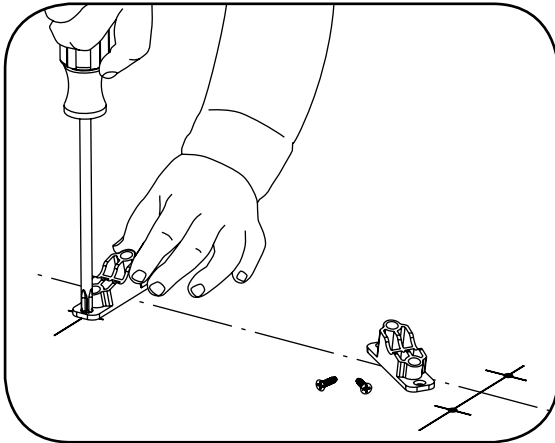
15° Mounting Bracket



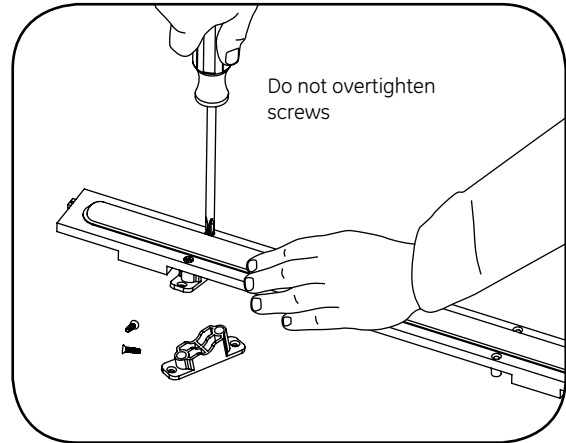
30° Mounting Bracket



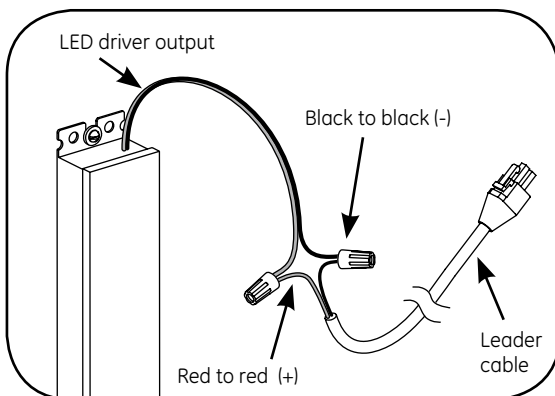
Installation



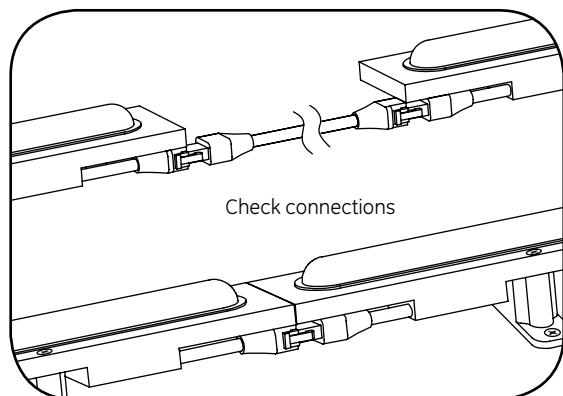
1. If using mounting brackets, remove them from LED fixture and install them on mounting surface using #6 flathead screws. If not using mounting brackets, skip to step 8.



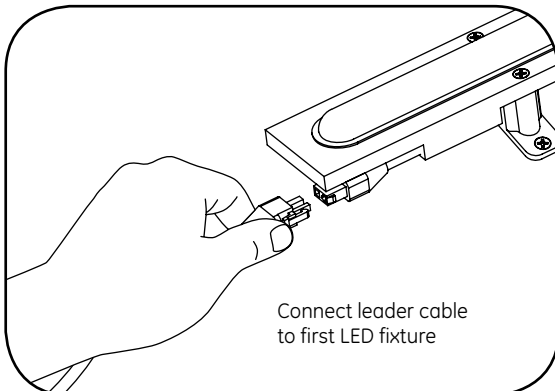
2. Disconnect LED fixtures to 3 begin mounting. If using mounting brackets, temporarily attach brackets to LED fixture using the screws included with the bracket.



3. Connect LED driver output leads to leader cable (78905/78906) leads using 0.82mm² (18 AWG) Wire Connector (strip wire as necessary).



4. Double check all end-to-end and jumper cable (78907/78908) connections between LED fixtures.



5. Plug in leader cable connector to first LED fixture and ensure tight connection. Turn Power ON and verify all LED fixtures are illuminated.

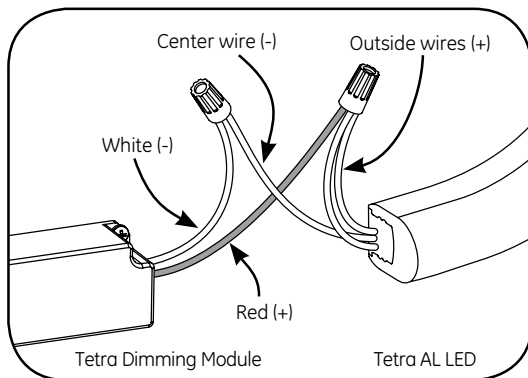
Dimming Configuration



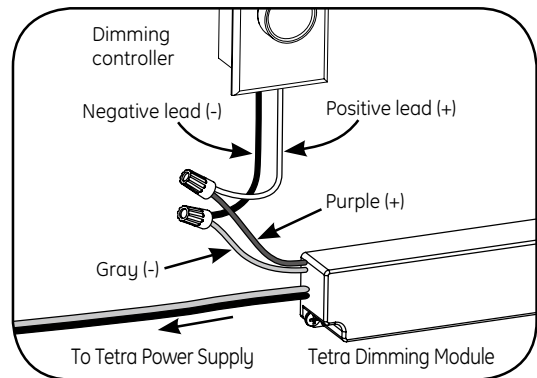
Dimming Module (GEDM1)

GEDM1 is the dimming module for 0-10V dimming of Tetra AL10.

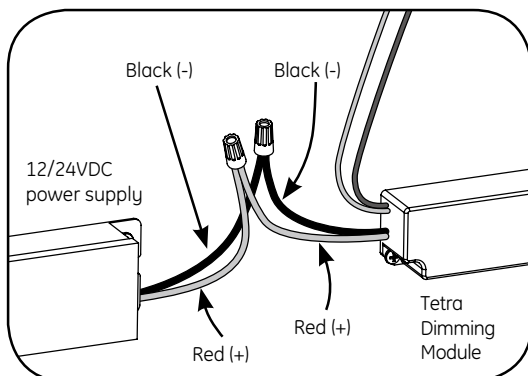
GEDM1	
Input Voltage (VDC)	12-24VDC
Output Voltage (VDC)	12-24VDC
Output Current (ADC)	5.0A max.
Dimmer (VDC)	0-10VDC
Environmental Operating Temperature Range	-40°C ~ +60°C
Storage Operating Temperature Range	-40°C ~ +80°C
Dimensions	5.2 in. x 1.4 in. x 1.0 in. (132 mm x 34 mm x 25 mm)
Limited Warranty	5 years



1. Connect the (+) outside wires of Tetra Contour to the (+) red wire of the Tetra Dimming Module. Connect the (-) inside wire of Tetra Contour to the (-) white wire of the Tetra Dimming Module.



2. Connect the (+) purple and (-) gray wires of the Tetra Dimming Module to the 0-10V dimming controller. Refer to the dimming controller installation instructions for specific connection information.



3. Connect the red (+) and black (-) wires of the Tetra Dimming Module to the corresponding wires of the 12V or 24V Tetra power supply.

LED Cove

Lighting System



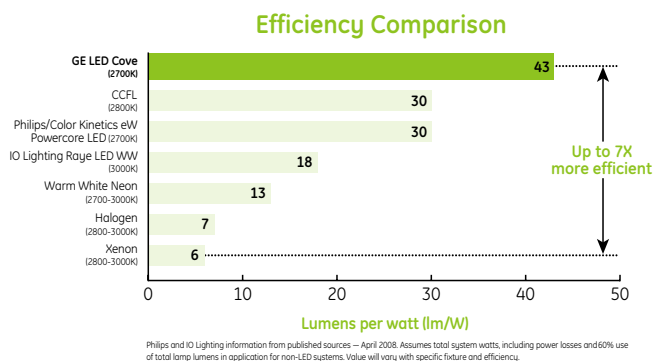
Saving money never looked so good...

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



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!

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.

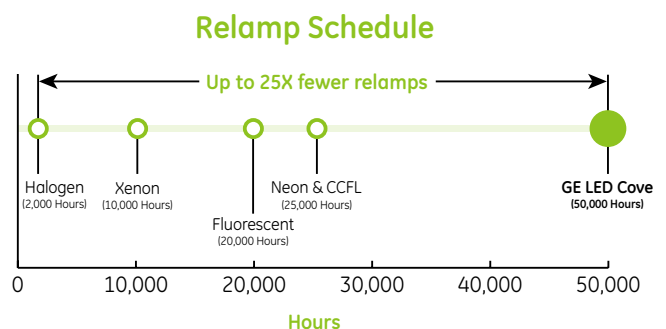
³ Based on warranty return rate of GE Tetra?LED Systems through December 2008.

Reduced 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.



A reliable system designed with proven expertise

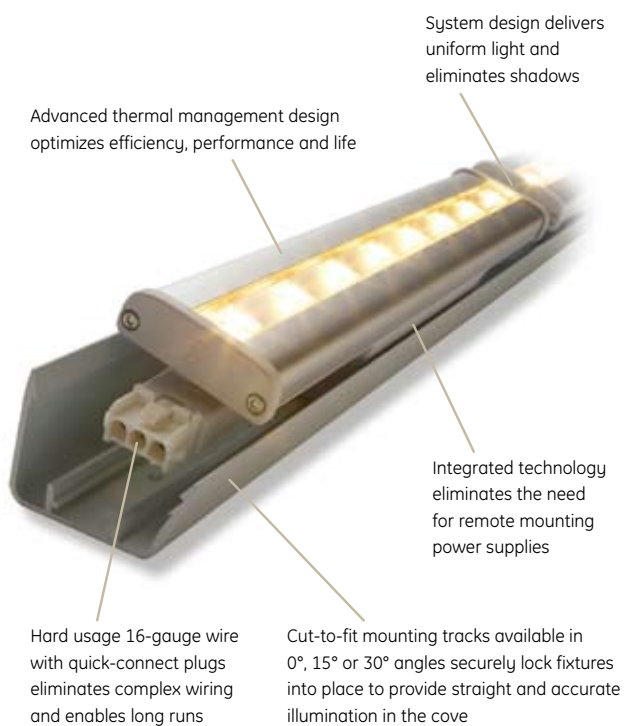
Backed by a reputation for reliability in the LED industry, more than 14 million feet of GE LED systems are currently installed in signage and architectural applications with a warranty return rate of less than 0.05%³ since 2001.

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.

Reduced Maintenance 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 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.

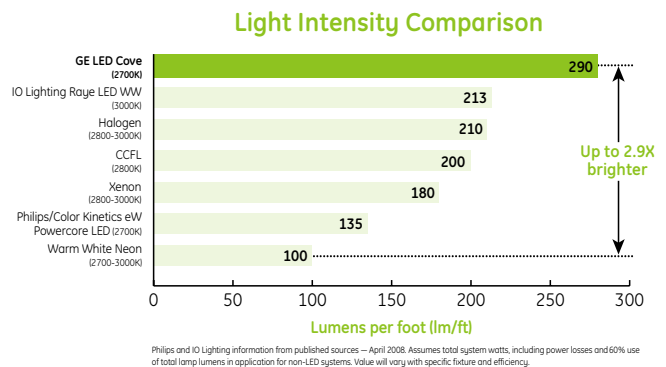


Improved Brand Image

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.



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.

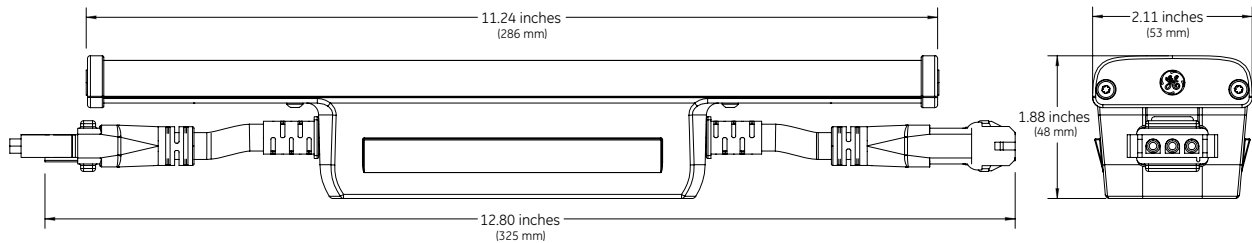


Fluorescent



GE LED Cove

Product Dimensions

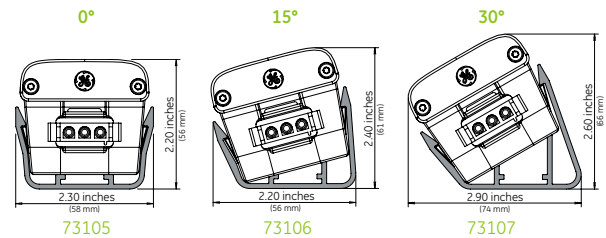


Cove Fixture Specifications

Product Code	Description	Input Voltage	CCT	+/- CCT	Wattage/ft	Wattage/m	Lumens*	LPW	CRI	Length (inches)	Length (mm)	Case Qty
73098	LC12/727/120V	120V	2,700K	+/- 200K	6.5	21.32	290	45	70	12.8	325	10
73099	LC12/730/120V	120V	3,000K	+/- 200K	6.5	21.32	300	46	70	12.8	325	10
74892	LC12/741/120V	120V	4,100K	+/- 300K	6.5	21.32	320	49	77	12.8	325	10
73100	LC12/727/240V	240V	2,700K	+/- 200K	6.5	21.32	290	45	70	12.8	325	10
73101	LC12/730/240V	240V	3,000K	+/- 200K	6.5	21.32	300	46	70	12.8	325	10
73826	LC12/741/240V	240V	4,100K	+/- 300K	6.5	21.32	320	49	77	12.8	325	10
75345	LC12/727/277V	277V	2,700K	+/- 200K	6.5	21.32	290	45	70	12.8	325	10
75346	LC12/730/277V	277V	3,000K	+/- 200K	6.5	21.32	300	46	70	12.8	325	10
75347	LC12/741/277V	277V	4,100K	+/- 300K	6.5	21.32	320	49	77	12.8	325	10

Mounting Track Specifications

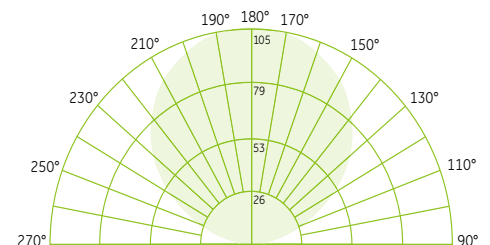
Product Code	Description	Track Angle	Type	Length (inches)	Length (mm)	Case Qty
73105	LC-MT48/0 25PK	0°	Track	48	1,219	25
73106	LC-MT48/15 25PK	15°	Track	48	1,219	25
73107	LC-MT48/30 25PK	30°	Track	48	1,219	25



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	1,200	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



Candela (Cd)
Vertical Plane at 90° Horizontal

IES files can be downloaded at www.gelighting.com

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

Information provided is subject to change without notice. Please verify all details with GE. All values are design or typical values when measured under laboratory conditions, and GE makes no warranty or guarantee, express or implied, that such performance will be obtained under end-use conditions.

Vio™ MR16

LED Downlight Solutions



Vio™ LED Downlight Solutions

GE's award winning Vio™ LED technology is now available in an easy to fit modular format that can be used in place of a 50 mm halogen MR16 lamp, offering excellent quality of light and substantial energy saving possibilities.

Whether it's a domestic project like an extension or a loft conversion, or a professional building like a new boutique hotel, today's modern interiors are expected to look stunning and high end, yet at the same time save energy and be maintenance-free. LED lighting technology is now revolutionising our ability to design more sustainable buildings.

Features >>>	>>> Benefits
High efficiency	7 times more efficient than neon
50,000 hour lifetime and ongoing performance	Decrease maintenance costs
30 cm long fixtures and flexible connectors	Allow lighting around curves and corners
Up to 330 units connected to a single main outlet	Fast and hassle-free installation
Dimmable system with electronic low voltage reverse phase control dimmer	No additional components are needed, thus saving installation cost
Mounting tracks in 3 different position	Controls light direction for maximum versatility

350 mA drivers for Vio™ LEDs

- Compact packaged drivers for reliable operation of Vio™ LED products.
- Versions to run 1 x 3.6 W and 2 x 3.6 W or 1 x 7.2 W
- High efficiency and power factor
- Class II SELV equivalent

Vio downlight solutions are available in 3 options

3.6 W Vio™ MR16 module

3.6 W Vio™ MR16 module kit

7.2 W Vio™ assembled downlight



Packaged kit comprising Vio™ MR16 module, vented bezel, recess mounting springs, connector cable and high efficiency 350 mA driver

DC10 Series

The look that lasts™



Specification Features

- Awarded as "Best-in-class" design in NGL (New Generation Luminaires™; www.ngldc.org) design competition in 2008
- System rating is 50,000 hours @ L70 (70% lumen maintenance compared to GE 50W PAR20)
- Unique optical design greatly improves the light distribution throughout the whole case
- CCT offering: 3500K, 4200K
- 8 different length options as offered in 6-inch increments enabling the closer edge-to-edge fit that is difficult to achieve with size-limiting fluorescent.
- Robust design eliminates fragile glass tubes used in fluorescent
- IP54 rated, Class II Power Supply
- UL, cUL, CE, C-tick listed



Power Supply Specifications (74601)

	Minimum	Typical	Maximum
Input Voltage (V AC) 120/240	90	120/240	264
Input Frequency (Hz)	-	50/60	-
Input Current (A)	-	-	0.85
Output Voltage (VDC)	11.4	12.0	12.3
Output Current (ADC)	0.8	-	5.0
Output Power (W)	-	-	60
Environmental Operating Temperature Range (°C)	-40	+25	+60
Environmental Humidity (condensing)(%)	0	-	95
Environmental Storage Temperature Range(°C)	-40	-	+85

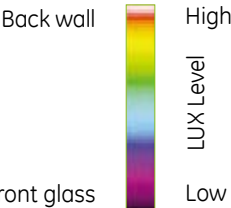
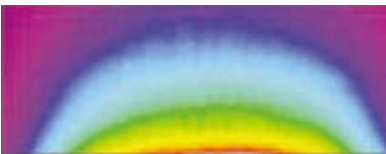
Enclosure Specification	Dimensions (L×W×H, mm)	
IP52, Dry or Damp Location Rated	240x 43 x 30	
Load Per Power Supply	Minimum (m)	Maximum (m)
DC10 Series	0.610	2.438
Remote Mounting Distance	-	0.91

Light Distribution

Immersion™ LED Display Case Lighting

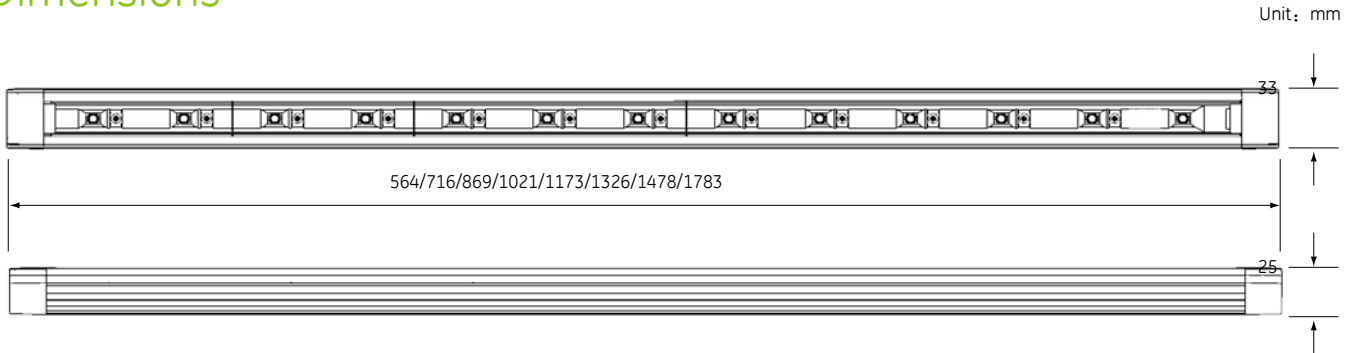


GE Fluorescent T8 in Typical Extrusion



Measurements taken from a typical 5-foot display case appropriately outfitted with a 60-inch Immersion™ LED light (LEFT) and 48-inch fluorescent tube (RIGHT), as seen from an overhead view of the case.

Dimensions

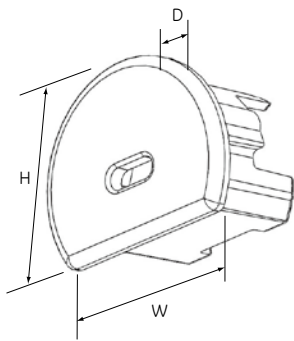


Fixture Specifications & Ordering Description

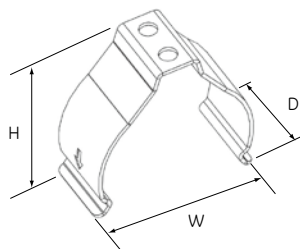
SKU	Product Description	Item	CCT ⁽¹⁾ (K)	Watt/feet	CRI (Typical)	Length (mm)	Width (mm)	Depth (mm)
74225	GE-LB24/42K	24" LED Light	4200	9.3	70	564	33	25
74226	GE-LB30/42K	30" LED Light	4200	9.2	70	716	33	25
74227	GE-LB36/42K	36" LED Light	4200	9.1	70	869	33	25
74228	GE-LB42/42K	42" LED Light	4200	9.0	70	1,021	33	25
74229	GE-LB48/42K	48" LED Light	4200	9.0	70	1,173	33	25
74230	GE-LB54/42K	54" LED Light	4200	8.9	70	1,326	33	25
74231	GE-LB60/42K	60" LED Light	4200	8.9	70	1,478	33	25
74232	GE-LB72/42K	72" LED Light	4200	8.9	70	1,783	33	25
74217	GE-LB24/35K	24" LED Light	3500	9.3	70	564	33	25
74218	GE-LB30/35K	30" LED Light	3500	9.2	70	716	33	25
74219	GE-LB36/35K	36" LED Light	3500	9.1	70	869	33	25
74220	GE-LB42/35K	42" LED Light	3500	9.0	70	1,021	33	25
74221	GE-LB48/35K	48" LED Light	3500	9.0	70	1,173	33	25
74222	GE-LB54/35K	54" LED Light	3500	8.9	70	1,326	33	25
74223	GE-LB60/35K	60" LED Light	3500	8.9	70	1,478	33	25
74224	GE-LB72/35K	72" LED Light	3500	8.9	70	1,783	33	25

(1) Color temp (CCT) +/- 5%

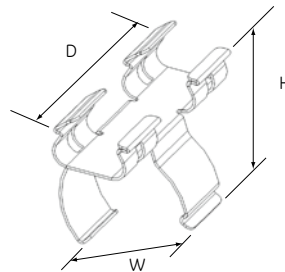
Accessories



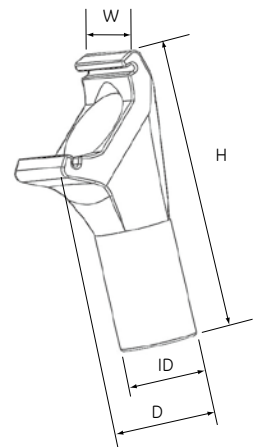
Finishing Cover



Standalone Mounting Clip



Integrated Mounting Clip



Drop Tube Mount

Accessories Specifications & Ordering Description

SKU	Product Description	Item	Height (H, mm)	Width (W, mm)	Depth (D, mm)	Insert Diameter (ID, mm)
74241	LB-WIRE-END	Finishing Cover	25	33	3 ⁽²⁾	-
74243	LB-CLIP	Standalone Mounting Clip	33	33	16	-
74244	LB-EXT-CLIP	Integrated Mounting Clip	44	33	51	-
74245	LB-TUBE-MOUNT	Drop Tube Mount	69	23	31	13

(2) Visible length when inserted into end cap

RV30 Series



Specification Features

- Optimized optical design creates a better light distribution throughout the whole case
- Multiple color temperature offerings including 3500K, 4100K & 5000K
- 750mm, 1500mm & 1750mm lengths as available to fit your cases
- Most energy efficient system for refrigerated cases: 12 watts per door (30-inch), 29 watts per door (60-inch), 34 watts per door (70-inch)
- System rating is 50,000hours L70 (70% Lumen Maintenance)
- IP54, Class II power supply
- UL, CE listed

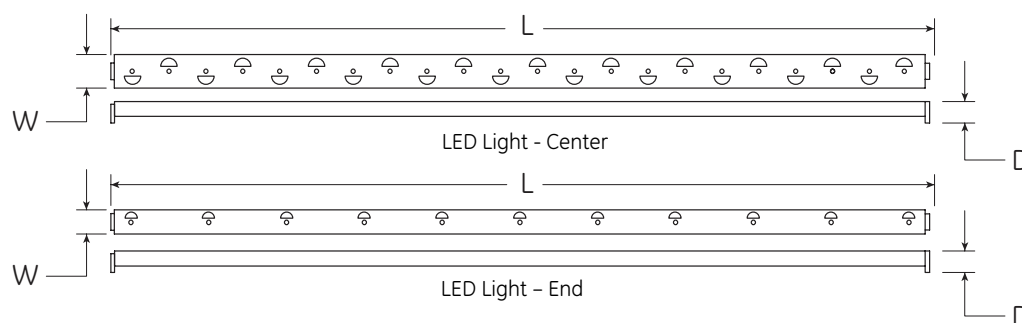
Power Supply Specifications



	78348 GE-PS1700NCMUL-SY			74915 GE080/G/V24T1-A		
	Min	Typical	Max	Min	Typical	Max
Input Voltage (V AC)	90	100/240	264	90	100/240	264
Input Current (A)	0.3	0.55	1.0	0.5	0.6	1.1
Input Line Frequency (Hz)	-	50/60	-	-	50/60	-
750 mm Output Voltage (V)	-	-	-	24.25	25	25.75
1500 mm Output Voltage (V)	40	43	46	-	-	-
1750 mm Output Voltage (V)	47	51	55	-	-	-
Output Power (W)	-	-	80	-	-	80
Max Output Current (A)	-	-	1.2	-	-	3.3
Output Current for Dip Switch Test Mode (A) (factory default)	-	0.3	-	-	NA	-
Output Current for Dip Switch Low (A) (factory default)	-	0.6	-	-	NA	-
Output Current for Dip Switch Medium (A) (1 center light and 1 end light)	-	0.9	-	-	NA	-
Output Current for Dip Switch High (A) (2 center lights or 1 center light and 1 end light set)	1.2	-	-	NA	-	-
Total Harmonic Distortion	-	-	<20%	-	-	<20%
Power Factor	>0.9	0.95	-	>0.9	0.95	-
Operating Temperature Range (°C)	-40	-	50	-40	25	60
Storage Temperature Range (°C)	-40	-	85	-40	-	85

Dimensions

Unit: mm



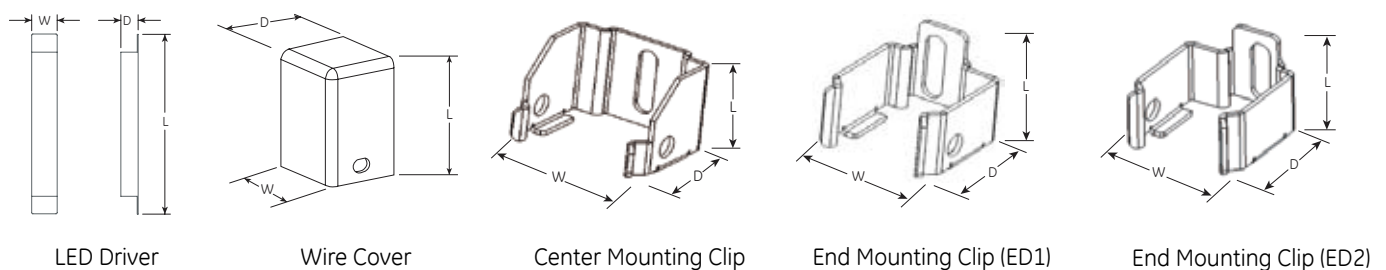
RV30 Series

SKU (Single)	SKU (10-Pack)	Product Description	Item	Colour Temp (K)*	PERFORMANCE DATA				DIMENSIONAL DATA		
					Illuminance (Lux)**	Life (Hours)	CRI (Typical)	Energy (Watts)	Length (L, mm)	Width (W, mm)	Depth (D, mm)
5000K											
75955	75958	GE-LT303050CTR	750mm LED Light - Center	5000	1500	50,000	70	12	693.4	84	28
75956	75959	GE-LT303050EDL	750mm LED Light - Left End	5000	1500	50,000	70	7	696	58	30
75957	75960	GE-LT303050EDR	750mm LED Light - Right End								
78633	75976	GE-LT306050CTR	1500mm LED Light - Center	5000	1150	50,000	70	29	1463	84	28
78634	75977	GE-LT306050EDL	1500mm LED Light - Left End	5000	1150	50,000	70	14.5	1466	58	30
75975	75978	GE-LT306050EDR	1500mm LED Light - Right End								
75995	75998	GE-LT307050CTR	1750mm LED Light - Center	5000	1150	50,000	70	34	1727	84	28
75996	75999	GE-LT307050EDL	1750mm LED Light - Left End	5000	1150	50,000	70	17	1730	58	30
75997	75600	GE-LT307050EDR	1750mm LED Light - Right End								
4100K											
75961	75968	GE-LT303041CTR	750mm LED Light - Center	4100	1350	50,000	70	12	693.4	84	28
75962	75969	GE-LT303041EDL	750mm LED Light - Left End	4100	1350	50,000	70	7	696	58	30
75963	75970	GE-LT303041EDR	750mm LED Light - Right End								
75980	75983	GE-LT306041CTR	1500mm LED Light - Center	4100	1100	50,000	70	29	1463	84	28
75981	75984	GE-LT306041EDL	1500mm LED Light - Left End	4100	1100	50,000	70	14.5	1466	58	30
75982	75985	GE-LT306041EDR	1500mm LED Light - Right End								
76002	76005	GE-LT307041CTR	1750mm LED Light - Center	4100	1100	50,000	70	34	1727	84	28
76003	76006	GE-LT307041EDL	1750mm LED Light - Left End	4100	1100	50,000	70	17	1730	58	30
76004	76007	GE-LT307041EDR	1750mm LED Light - Right End								
3500K											
75987	75990	GE-LT306035CTR	1500mm LED Light - Center	3500	1050	50,000	70	29	1463	84	28
75988	75991	GE-LT306035EDL	1500mm LED Light - Left End	3500	1050	50,000	70	14.5	1466	58	30
75989	75992	GE-LT306035EDR	1500mm LED Light - Right End								
76009	76012	GE-LT307035CTR	1750mm LED Light - Center	3500	1050	50,000	70	34	1727	84	28
76010	76013	GE-LT307035EDL	1750mm LED Light - Left End	3500	1050	50,000	70	17	1730	58	30
76011	76014	GE-LT307035EDR	1750mm LED Light - Right End								

*Color temp (CCT) +/- 10%

**Initial illuminance (lux) +/-15% based on typical in-store performance. 750mm fixtures measured at 76mm throw; 1500mm and 1750mm fixtures measured at 152mm throw.

Accessories



RV30 Series

SKU	Product Description	Item	DIMENSIONAL DATA		
			Length (L, mm)	Width (W, mm)	Depth (D, mm)
78348	GE-PS1700NCMUL-SY	Constant Current LED Driver	307	43	30
74915	GE080/G/V24T1-A	Constant Voltage LED Driver	241	43	30
75974	GE-CV-LT3060CTR	Universal Wire Cover - Center and End	41	33	25
75971	GE-MC-LT3060CTR	Universal Mounting Clip - Center	23	30	27
75972	GE-MC-LT3060ED1	Universal Mounting Clip - End #1	23	25	25
75973	GE-MC-LT3060ED2	Universal Mounting Clip - End #2	23	25	25

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