

Incandescent Lamps

Introduction

GE's incandescent lamps trace their ancestry to the world's first practical electric bulb, invented by Thomas Alva Edison, founder in 1879 of the company that became General Electric Company.

More than a century of research and development later, the present range of GE incandescent lamps represents the state of the art of lamps for residential and commercial use, as well as special purpose lamps for decorative or display applications.

In an incandescent lamp, light is generated by heating the filament to incandescence. The hotter the filament, the more efficient it is in converting electricity to light. However, when the filament operates hotter, its life is shortened so the design of each lamp is a balance between efficiency and life. This is why lamps of equal wattage may have different lumen ratings and different life ratings.

Incandescent lamps of similar size are commonly available with different wattage ratings. The fixture wattage limit should not be exceeded.

Protection From Moisture

When Hard Glass appears in the Additional Information column, the outer bulbs are made of special thermal-shock-resistant glass. Sometimes external protection of the lamps is also needed to eliminate the chance of bulb breakage due to contact with water during operation. Footnotes will indicate when external protection is needed. Where Hard Glass is not indicated, the bulb glass is such that the lamps require protection from exposure to mist or condensation as well as direct contact with water during operation.

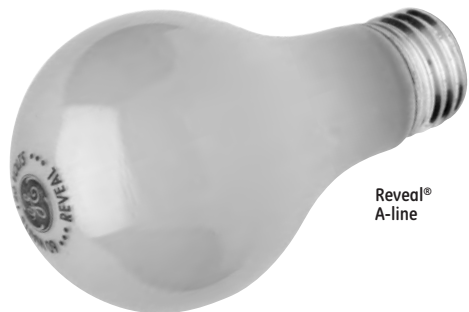
Rated Life

Values are based on a large number of representative lamps under controlled conditions. Individual lamps or groups of lamps will vary from the Rated Life shown. Rated Life is a median value of life expectancy – the total operating time at which under normal conditions 50% of any large group of initially installed lamps are expected to be still burning.

Incandescent Brand Name Cross-Reference

GE	OSRAM/SYLVANIA	PHILIPS
Reveal®	—	—
Bug-Lite	Bug Lite	Bug-A-Way®
covRguard®	Safeline	Silicone Coated
Saf-T-Gard®	—	—
Soft Pink	Soft Pink	Softone Pastels
Plant Light	Spot-GRO	Agro-Lite
Long Life Soft White	Double Life™ Soft White	Longer Life Soft White
Party Light	—	—
Watt-Miser®	Super Saver®	Econ-o-Watt®
Watt-Miser® Plus	Super Saver Excel®	Extended Service

ATTENTION: This brand-name cross-reference chart is provided only as a quick reference. Other lamp company brand listings may only represent a near equivalent, versus an identical match to GE brands. Individual lamp manufacturers' product offerings and performance specifications are subject to change at any time without notice. Lamp performance may be affected by environmental conditions, and/or auxiliary equipment.



Reveal®
A-line

GE Reveal® Light Bulbs

Superior light quality over regular incandescent that:

- Produces “clean, beautiful light®” for more vibrant colors
- Contains Neodymium glass that filters out dull yellow rays
- Is available in 40-150 watt A-Line
- Also available for nearly every application from candle shapes to flood lights
- A color-enhanced full-spectrum light bulb

GE Rough Service A-Line Bulbs

Built to last, even under many “rough” service conditions...

- Extra filament support design protects against early burnouts caused by bumps, jars and vibration
- Longer life
- Dual Voltage Rating (120V/130V) provides application flexibility
- Saf-T-Gard® coating available – coating is shatter and weather-resistant; resists breakage from heat and thermal shock that can occur from water, sleet, snow, molten solder and weld spatter



Long Life
BR30 Reflector
Floodlight or
Spotlight

GE Long Life Floodlight or Spotlight

- 25% longer life than standard reflectors. Ideal for use in high ceilings and hard-to-reach track lighting
- Easy replacement – same length and width as standard R bulbs
- Some lumen loss from standard reflectors (see listing for lumen values)
- Available in 45W floodlight and 65W floodlight and spotlight

Uses:

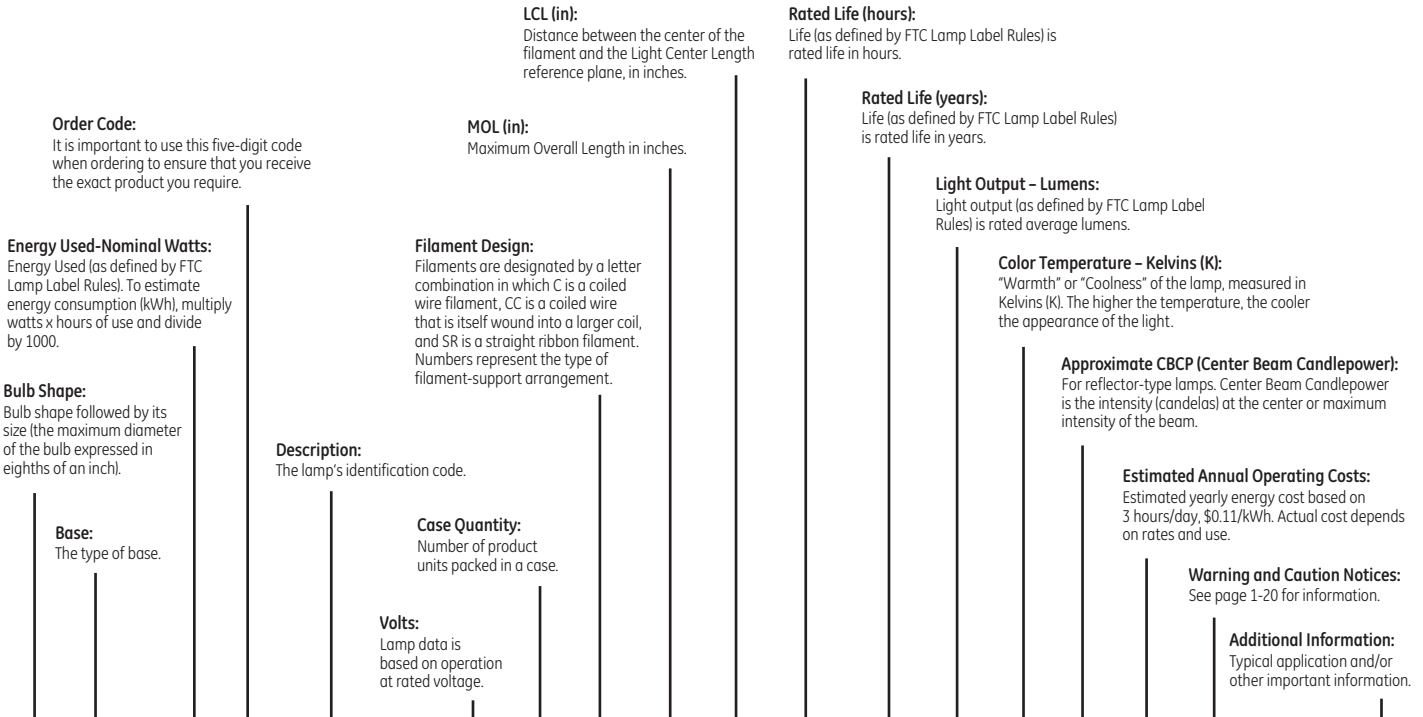
- Down lighting, display lighting, accent lighting, wall washing
- Wherever standard reflector bulbs are used

Incandescent Lamps

Headings in this catalog section

The following terms and descriptions can help you when checking Incandescent lamp specifications and when ordering products.

Within this product line, lamps are divided by wattage. Within wattage, lamps are listed alphabetically by bulb shape.



Bulb Shape	Base	Watts	Order Code	Description	Volts	Case Qty	Filament Design	MOL (in)	LCL (in)	Rated Life (hrs)	Rated Life (yrs*)	Lumens Initial	Color Temp K	CBCP	Annual Operating Costs**	Warning and Caution Notices	Additional Information
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Incandescent Lamps

3 Watts																	
S6	Cand	3	11098	75R30/FL/65WM/A	130	24	C-7A	1.87	1.37	3000	11						Clear-Indicator

75 R30 / FL / 65WM / A

Identifies the lamp's wattage.

Identifies the lamp's shape.

Identifies the lamp as a floodlight.

Identifies the lamp as a Watt-Miser®

Identifies this lamp as amber colored.

WHEN YOU DON'T KNOW THE LAMP DESCRIPTION

1. Identify the lamp wattage.
2. Measure bulb diameter using ruler in appendix section page D-1 to determine width in eighths of an inch.
3. Identify base type using table on page 1-2.
4. Find your lamp in the table containing the bulb wattage, then match the shape, size and base, which are all listed alphabetically.

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Incandescent Lamps (continued)																		
200 Watts																		
A21	Med	200	16069	200A/CL-1 12PK	120	12	CC-8	5.37	4.06	750	0.7	3780	2900		\$24.09		Crystal	
		200	11585	200A/W-1 12PK	120	12	CC-8	5.37	4.06	750	0.7	3405	2900		\$24.09		Soft-White	
		200	44534	200A/W-PK6	120.1		CC-8	5.37	4.06	750	0.7	3405	2900		\$24.09		Soft-White	
		200	89371	200A/RVL-TP1/6	120	30	CC-8	5.37	4.06	750	0.7	2395	2950		\$24.09		Reveal® Soft-White	
		200/177	25936	200A21/99/IF	130/120	60	CC-8	5.37	4.06	2500/6800		2780/2140			\$24.09/\$21.32		I.F.-Extended Service (Ratings @ 120 volts)	
PAR46	Med Sid Pr	200	20115	200PAR46/3NSP	120	12	CC-13	4		2000		2270	2750	31000		1a, 2a, 5b, 5c, 9n	Narrow Reflector	
		200	20138	200PAR46/3MFL	120	12	CC-13	4		2000		2270	2750	11500		1a, 2a, 5b, 5c, 9n	Medium Flood	
		200	20117	200PAR46/3NSP	130	12	CC-13	4		2000		2270	2750	31000		1a, 2a, 5b, 5c, 9n	Narrow Reflector	
		200	20140	200PAR46/3MFL	130	12	CC-13	4		2000		2270	2750	11500		1a, 2a, 5b, 5c, 9n	Medium Flood	
PAR56	Scrw Term	200	20122	200PAR	30	12	CC-8	4.50		350				230000			Locomotive Headlight	
	Mog End Pr	200	49889	200PAR56/MFL	120	12	CC-13	5		2000		2270	2750	15000		1a, 2a, 5b, 5c, 9n	Medium Flood	
PS30	Med	200/177	72548	200PS30RS/23/STG	130/120	60	C-9	8.06	6.00	1000/2600		3000/2280					2a, 2b, 5e, 9l	Saf-T-Guard®
240 Watts																		
PAR56	Scrw Term	240	20575	240PAR56/VNSP	12	12	C-6	4.50		2000			2800	140000		1a, 2a, 5b, 5c, 9n	Very Narrow Reflector	
		240	20576	240PAR56/MFL	12	12	C-6	4.50		2000			2800	46000		1a, 2a, 5b, 5c, 9n	Medium Flood	
		240	20577	240PAR56/WFL	12	12	C-6	4.50		2000			2800	13000		1a, 2a, 5b, 5c, 9n	Wide Flood	
250 Watts																		
R40	Med	250	37770	250R40/1 6PK	120	30	C-9	6.56		5000		2200				2a, 2b, 3b, 5e, 6a	Reflector-Warm Up Infrared Heat Lamp-Clear Face	
		250	37771	250R40/10 6PK	120	30	C-9	6.56		5000						2a, 2b, 3b, 5e, 6a	Reflector-Chill Chaser Infrared Heat Lamp, Red, HRG	
R40	Med Skirt	250	20724	250R40/4	120	24	C-9	7.43		5000						2a, 2b, 3b, 5e, 6a	Reflector Infrared Industrial-Light I.F., BB	
R40	Med	250	47724	250R40/1/STG PQ6	120	30	C-9	6.56		5000						2a, 2b, 5e, 9a, 9k, 9l, 9m	Heat Lamp Saf-T-Gard® - Shatter-Resistant	
		250	23423	21A/R40/FL	12	24	C-2V	6.68		1000		2850		1600		2b, 5a, 5e	Reflector Flood	
300 Watts																		
PS25	Med	300/266	73788	300M/130V-PK6	130/120	6	CC-8	6.93	4.92	750/1950		6120/4650						Clear
		300/266	73790	300M/IF/130V-PK3	130/120	3	CC-8	6.93	4.92	750/1950		6120/4650						Inside Frost
PS35	Mog Screw	300	21025	300	130	24	C-9	9.37	7.00	1000		5820					Clear	
		300	21079	300/IF	130	24	C-9	9.37	7.00	1000		5820					Inside Frost	
R40	Med	300	21197	300R/SP	120	24	CC-2V	6.56		2000		3700		9000		2a, 2b, 5b, 9e	Reflector-Light I.F. HORIZ	
		300	21213	300R/FL	120	24	CC-2V	6.56		2000		3700		2500		2a, 2b, 5b, 9e	Reflector-Flood I.F. HORIZ	
		300	21229	300R/FL/1	120	24	CC-2V	6.75		2000		3000		4400		2a, 2b, 5b, 9e	Reflector-Flood-I.F. BB, HRG	
		300/266	21215	300R/FL	130/120	24	CC-2V	6.56		2000/5400		3465/2670		2500		2a, 2b, 5b, 9e	Reflector Flood-I.F. HORIZ (Ratings @ 120 volts)	

* Based on 3 hours per day use.

** Based on 3 hours per day use, \$0.11 per Kwh