

BULBRITE®

EISA 101

ENERGY INDEPENDENCE &
SECURITY ACT of 2007

BUYER'S REFERENCE GUIDE

LEARN WHAT YOU NEED TO KNOW ABOUT...

Affected Products

Energy Efficiency Alternatives

Bulbrite Replacement Options

BULBRITE® EISA 101

BUYER'S REFERENCE GUIDE

Table of Contents

Introduction to EISA	pg. 3
What products are affected?	pg. 4
What are the alternatives?	pg. 5
Comparing the alternatives	pg. 6-9
General Service Replacement Guide	pg. 10-13
Reflector Replacement Guide	pg. 14-19
Fluorescent Replacement Guide	pg. 18-19

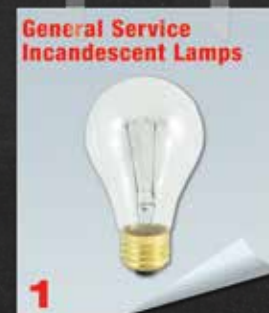
An Introduction to EISA...

You've probably heard...

The Energy Independence and Security Act (EISA) was written into law in 2007. Beginning on January 1st, 2012, this regulation requires that common household bulbs operate with a 30% increase in efficiency.

But, did you know...

Due to this regulation, 3 major lamp groups will be affected.



So, what does it mean for lighting?

Some of these lamps will simply be phased out, but many of them have a viable energy efficient replacement available today. Let's learn more about the lamps affected and the energy efficient alternatives.

What Products Will Be Affected?

2012 DONE PHASE OUT	2013 DONE PHASE OUT	2014 PHASE OUT
<ol style="list-style-type: none"> 1 Inefficient 100W Incandescents 60W max on E12 40W max on E17 2 Inefficient Halogen PARs 3 Inefficient Fluorescents 	<ol style="list-style-type: none"> 1 Inefficient 75W Incandescents 	<ol style="list-style-type: none"> 1 Inefficient 60W and 40W Incandescents



What Are Your Alternatives?



ECOHALOGEN
Love the light you have?
GO HALOGEN.
Same warm light, same function, less energy.

Halogen lamps are a form of incandescent technology. Therefore, they maintain the same 100 CRI, similar warm white light and the same diffused light that users look for when trying to create an ambient glow in an environment. Halogen lamps are also fully dimmable.



CFL
Burning too many bulbs?
GO CFL.
More light options, longer life, fewer replacements.

CFLs (Compact Fluorescent Lamps) are a more efficient alternative to incandescent and halogen lamps. They typically last about 10x longer than incandescent lamps which means fewer replacements and less maintenance. There are also many different color temperature options so users can create the look and feel that best suits their needs.



LED
Want the latest technology?
GO LED.
Flexible light options, same function, longest life, highest efficiency-sustainable light for the future.

LEDs (Light Emitting Diodes) are the most efficient alternative available in the market today. They come in a wide variety of color temperature options, last up to 40x longer than incandescents. With the look and functionality incandescent users are used to, LEDs are a sustainable lighting alternative.



- Medium screw base (E26)
- 310 to 2,600 lumens
- 110 to 130 volts



- BR, ER and BPAR lamps
- Reflector lamps between 2.25" (R18) and 2.75" (R22) in diameter
- Lamps that have a rated wattage of 40 watts or higher



- 4' T5 miniature
- Select 4' and 8' T8s and T12s
- 2' U-shaped

Comparing the Alternatives

Consumers want to know how the energy efficient alternatives compare to the standard incandescent. Use the information below to help consumers understand the true benefits of making the switch today.

The 100W A19 Comparison

*Coming Soon

	Incandescent	EcoHalogen	Compact Fluorescent	LED
Reference Model:	100A/SW	72A19SW/ECO	CF23C/WW/DM	LED23A21/O/30K/D*
ENERGY USED	100W	72W 28% less energy used	23W 77% less energy used	23W 77% less energy used
BRIGHTNESS (LUMENS)	1500 lm	1490 lm less than 1% lower lumen output	1600 lm 7% higher lumen output	1600 lm 7% higher lumen output
LIFE (3 hour/day)	2000 hrs (1.8 years)	1000 hrs (0.9 years) 50% shorter lamp life	10,000 hrs (9.1 years) 5x longer lamp life	25,000 hrs (22.8 years) 12.5x longer lamp life
RETAIL PRICE (per bulb)	\$0.70	\$2.50 3.6x more	\$5.00 7x more	\$30.00 57x more
OPERATING COST (3 hours/day at \$0.11/kWh)	\$12.05/yr	\$8.67/yr Save \$3.37/yr	\$2.77/yr Save \$9.27/yr	\$2.77/yr Save \$9.27/yr
TOTAL COST OF OPERATION & LAMPS (Over 20 years)	\$248.57 Total Cost of Operation & Lamps (including replacements)	\$223.40 Total Cost of Operation & Lamps (including replacements) Net Savings: \$20.12	\$65.40 Total Cost of Operation & Lamps (including replacements) Net Savings: \$178.16	\$85.40 Total Cost of Operation & Lamps (including replacements) Net Savings: \$163.16
FULLY DIMMABLE	YES	YES Same	NO Only dims down to 10-20%	NO Only dims down to 10-20%
COLOR TEMPERATURE (CCT)	2700-2900K	2900K Same	2700-5000K Same and additional options available	2700-5000K Same and additional options available
COLOR RENDERING (CRI)	100	100 Same	80-82 20% lower	80 20% lower

The 75W A19 Comparison

*Coming Soon

	Incandescent	EcoHalogen	Compact Fluorescent	LED
Reference Model:	75A/SW	53A19SW/ECO	CF18WW/LM	LED18A21/O/30K/D*
ENERGY USED	75W	53W 29% less energy used	18W 76% less energy used	18W 76% less energy used
BRIGHTNESS (LUMENS)	1100 lm	1050 lm less than 5% lower lumen output	1200 lm 9% higher lumen output	1200 lm 9% higher lumen output
LIFE (3 hour/day)	2000 hrs (1.8 years)	1000 hrs (0.9 years) 50% shorter lamp life	10,000 hrs (9.1 years) 5x longer lamp life	25,000 hrs (22.8 years) 12.5x longer lamp life
RETAIL PRICE (per bulb)	\$0.70	\$2.50 3.6x more	\$5.00 7x more	\$25.00 36x more
OPERATING COST (3 hours/day at \$0.11/kWh)	\$9.03/yr	\$6.38/yr Save \$2.65/yr	\$2.17/yr Save \$6.87/yr	\$2.17/yr Save \$6.87/yr
TOTAL COST OF OPERATION & LAMPS (Over 20 years)	\$188.34 Total Cost of Operation & Lamps (including replacements)	\$182.68 Total Cost of Operation & Lamps (including replacements) Net Savings: \$5.66	\$58.40 Total Cost of Operation & Lamps (including replacements) Net Savings: \$129.98	\$68.36 Total Cost of Operation & Lamps (including replacements) Net Savings: \$119.98
FULLY DIMMABLE	YES	YES Same	NO Only dims down to 10-20%	NO Only dims down to 10-20%
COLOR TEMPERATURE (CCT)	2700-2900K	2900K Same	2700-5000K Same and additional options available	2700-5000K Same and additional options available
COLOR RENDERING (CRI)	100	100 Same	80-82 20% lower	80 20% lower

Comparing the Alternatives

Consumers want to know how the energy efficient alternatives compare to the standard incandescent. Use the information below to help consumers understand the true benefits of making the switch today.

The 60W A19 Comparison

	Incandescent	EcoHalogen	Compact Fluorescent	LED
Reference Model:	60A/SW	43A19SW/ECO	CF13WW/LM	LED12A19/0/30K/D
ENERGY USED	60W	43W 28% less energy used	13W 78% less energy used	12W 80% less energy used
BRIGHTNESS (LUMENS)	630 lm	750 lm 19% higher lumen output	900 lm 43% higher lumen output	800 lm 27% higher lumen output
LIFE (3 hour/day)	2000 hrs (1.8 years)	1000 hrs (0.9 years) 50% shorter lamp life	10,000 hrs (9.1 years) 5x longer lamp life	25,000 hrs (22.8 years) 12.5x longer lamp life
RETAIL PRICE (per bulb)	\$0.70	\$2.50 3.5x more	\$5.00 7x more	\$20.00 28.5x more
OPERATING COST (3 hours/day at \$0.11/kWh)	\$7.23/yr	\$5.18/yr Save \$2.05/yr	\$1.57/yr Save \$5.66/yr	\$1.45/yr Save \$5.78/yr
TOTAL COST OF OPERATION & LAMPS (Over 20 years)	\$152.21 <small>Total Cost of Operation & Lamps (including replacements)</small>	\$158.59 <small>Total Cost of Operation & Lamps (including replacements)</small> Net Expenditure: \$6.38	\$46.32 <small>Total Cost of Operation & Lamps (including replacements)</small> Net Savings: \$105.89	\$48.91 <small>Total Cost of Operation & Lamps (including replacements)</small> Net Savings: \$103.30
FULLY DIMMABLE	YES	YES Same	NO Only dims down to 10-20%	NO Only dims down to 10-20%
COLOR TEMPERATURE (CCT)	2700-2900K	2900K Same	2700-5000K Same and additional options available	2700-5000K Same and additional options available
COLOR RENDERING (CRI)	100	100 Same	80-82 20% lower	80 20% lower

The 90W PAR38 Comparison

	Halogen	EcoHalogen	Compact Fluorescent	LED
Reference Model:	H90PAR38FL	H70PAR38NF/ECO/2PK	CF23PAR38WW	LED20PAR38NF/30K/D
ENERGY USED	90W	70W 22% less energy used	23W 74% less energy used	20W 78% less energy used
BRIGHTNESS (LUMENS)	1270 lm	1300 lm 2% higher lumen output	1200 lm 6% lower lumen output	1200 lm 6% lower lumen output
LIGHT INTENSITY (CANDELA)	3200 @ 30° Flood	1700 @ 25° N. Flood 47% less	390 @ 100° W. Flood 88% less	3993 @ 25° N. Flood 25% more
LIFE (3 hour/day)	2500 hrs (2.3 years)	1500 hrs (1.4 years) 40% shorter lamp life	8000 hrs (7.3 years) 3.2x longer lamp life	25,000 hrs (22.8 years) 10x longer lamp life
RETAIL PRICE (per bulb)	\$6.00	\$8.00 1.3x more	\$11.00 1.8x more	\$40.00 10.8x more
OPERATING COST (3 hours/day at \$0.11/kWh)	\$10.84/yr	\$8.43/yr Save \$2.41/yr	\$2.77/yr Save \$8.07/yr	\$2.41/yr Save \$8.43/yr
TOTAL COST OF OPERATION & LAMPS (Over 20 years)	\$269.37 <small>Total Cost of Operation & Lamps (including replacements)</small>	\$288.63 <small>Total Cost of Operation & Lamps (including replacements)</small> Net Expenditure: \$19.26	\$181.19 <small>Total Cost of Operation & Lamps (including replacements)</small> Net Savings: \$180.96	\$88.18 <small>Total Cost of Operation & Lamps (including replacements)</small> Net Savings: \$181.19
FULLY DIMMABLE	YES	YES Same	NO Not Dimmable (Dimmable options available but dimming is limited)	YES Only dims down to 10-20%
COLOR TEMPERATURE (CCT)	3000K	3000K Same	3000K Same and additional options available	3000K Same and additional options available
COLOR RENDERING (CRI)	100	100 Same	82 20% lower	82 20% lower

What Product Do I Choose?

General Service Incandescent Lamps Replacement Guide

The products affected by the Energy Independent and Security Act of 2007 are listed in the first column below in **YELLOW**. Bulbrite is proud to offer a full line of compliant halogen, compact fluorescent and LED replacements listed in the columns to the right of the affected lamps. All replacement lamps are recommended based on the closest lumen output to the affected lamps.

AFFECTED LAMPS				REPLACEMENT OPTIONS												
INCANDESCENT A21, A23	Item #	Lumens	Impact Date:	INCANDESCENT	Item #	Lumens	CFL COIL	Item #	Lumens	LED	Item #	Lumen				
150A	100150	1500	1/1/12	150A/HL	100151	2600	CF42C/WW*	509542	2800	N/A						
150A/CL	101150	1500		150A/CL/HL	101151	2710										
200A	100200	2025		200A/HL	100201	2780	CF55C/WW	509555	3600							
200A/CL	101200	2025		200A/CL/HL	101201	2900										
INCANDESCENT A19, A15	Item #	Lumen	Impact Date:	ECOHALOGEN	Item #	Lumen	CFL COIL, COVERED & DIMMABLE (DM)	Item #	Lumens	LED	Item #	Lumen				
100A/SW	112100	1500	1/1/12	72A19SW/ECO	115170	1490	CF23WW/LM* CF23C/WW/DM*	509024 514023	1600 1600	COMING SOON						
100A	100100	1013		72A19CL/ECO	115070	1490										
100A/CL	101100	825	1/1/13	53A19SW/ECO	115152	1050	CF18WW/LM* CF18C/WW/DM	509019 514018	1250 1200							
75A/SW	112075	1100		53A19CL/ECO	115052	1050										
75A	100075	743	1/1/14	29A19SW/ECO	115128	380	CF9WW/LM CF9A17/WW	509009 512009	500 500	LED12A19/O/27K/D* LED12A19/O/30K/D*	774052 774051	800 800				
75A/CL	101075	615		29A19CL/ECO	115028	400										
40A/SW	112040	490		43A19SW/ECO	115142	750	CF13WW/LM* CF13WW/LM/4PK* CF14A19/WW* CF15C/WW/DM	509014 509412 512013 514015	900 900 800 900							
40A	100040	330											43A19CL/ECO	115042	750	
40A/CL	101040	263		N/A												
60A/SW	112060	850														
60A	100060	555														
60A/CL	101060	458														
60A15C/120	104161	620														
60A15F/120	104061	600														

This lamp will no longer be manufactured after the listed impact date according to the 2007 Energy Independence and Security Act.

Due to the nature of CFL and LED technology, there may be application issues which prohibit CFL and LED lamps from being used as direct replacements for incandescent lamps. Please contact Bulbrite at 1-800-528-5555 for more information.

*ENERGY STAR QUALIFIED ITEMS

INCANDESCENT BT15	Item #	Lumen	Impact Date:	ECOHALOGEN	Item #	Lumen	CFL COIL, COVERED & DIMMABLE (DM)	Item #	Lumens	LED	Item #	Lumen
HX95BT15CL	616195	1730	1/1/12	72BT15CL/ECO	616172	1490	CF23WW/LM* CF23C/WW/DM*	509024 514023	1600 1600	COMING SOON		
HX95BT15WH	616095	1600		72BT15SW/ECO	616072	1490						
HX71BT15CL	616171	1300	1/1/13	53BT15CL/ECO	616153	1050	CF18WW/LM* CF18C/WW/DM	509019 514018	1250 1200			
HX71BT15WH	616071	1200		53BT15SW/ECO	616053	1050						
JTT75WH	616075	880	1/1/14	43BT15CL/ECO	616143	750	CF13WW/LM* CF13WW/LM/4PK* CF14A19/WW* CF15C/WW/DM	509014 509412 512013 514015	900 900 800 900	LED12A19/O/27K/D* LED12A19/O/30K/D*	774052 774051	800 800
HX57BT15CL	616157	1100		43BT15SW/ECO	616043	750						
HX57BT15WH	616057	1000										

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*ENERGY STAR QUALIFIED ITEMS

INCANDESCENT TRUE DAYLIGHT A-SHAPE	Item #	Lumens	Impact Date:	ECOHALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen
100A21FR/N	711021	1100	1/1/12	72A19FR/N/ECO	616372	1200	N/A			N/A		
100A21CL/N	711121			72A19CL/N/ECO	616272	1235						
60A19FR/N	711019	600	1/1/14	43A19FR/N/ECO	616353	820						
60A19CL/N	711119	600		43A19CL/N/ECO	616243	585						
40A15CL/N	711240	400		N/A								

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What Product Do I Choose?

General Service Incandescent Lamps Replacement Guide

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AFFECTED LAMPS				REPLACEMENT OPTIONS												
INCANDESCENT CHANDELIER	Item #	Lumens	Impact Date:	KRYPTON	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen				
100F20CL	422100	1150	1/1/12	KR40ETC/32*	460540	480	CF7/ETF*	513108	300	LED5CTC/27K/D* LED5CTC/D* LED5CTC/30K/D*	770406 770407 770409	250 300 300				
60ETC/3	405060	610	1/1/14													
60ETC/2	495060	615														
60ETF/3	406060	575														
60ETF/2	496060	590														
60EFC/3	408060	600														
60EFC/2	498060	615														
60EFF/3	409060	580														
60F15WH	421060	620														
60F15CL	421160	660														
KR60ETC/32	460560	760														
B60ETC	485060	615											1/1/14	NON-BLISTER CARD REPLACEMENTS AVAILABLE - SEE OPTIONS ABOVE	NON-BLISTER CARD REPLACEMENTS AVAILABLE - SEE OPTIONS ABOVE	NON-BLISTER CARD REPLACEMENTS AVAILABLE - SEE OPTIONS ABOVE
B60ETF	486060	590														
B60EFC	488060	615														
B60EFF	489060	590														

* May have lower lumen output

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*ENERGY STAR QUALIFIED ITEMS

INCANDESCENT GLOBES	Item #	Lumens	Impact Date:	ECOHALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen
100G25WH3	330100	975	1/1/12	72G25SW/ECO	616572	1490	CF14G25SW/E*★	505013	800	N/A		
100G25WH2	393010	1150		72G25CL/ECO	616472	1490						
100G25CL3	331100	1150		N/A			CF16G30SW*	505017	900			
100G25CL2	393110	1230					N/A					
100G30WH	340100	950										
100G30CL	341100	1045										
60G16EWH	310260	615	1/1/14	43G25SW/ECO	616543	750	CF14G25SW/E*★	505013	800	LED8G25/27K/D* LED8G25/0/27K/D*	775250 775252	500 550
60G16ECL	311260	650		43G25CL/ECO	616443	750						
60G19WH	320060	550		N/A			CF16G30SW	505017	900	N/A		
60G19CL	321060	550										
60G25WH3	330060	480										
60G25WH2	393006	60										
60G25CL3	331060	530		N/A			N/A					
60G25CL2	393106	675										
60G30WH	340060	640										
60G30CL	341060	655										
40G19WH	320040	325		1/1/14	N/A							
40G19CL	321040	340										

* May have lower lumen output

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*ENERGY STAR QUALIFIED ITEMS

What Product Do I Choose?

General Service Incandescent Reflector Lamps Replacement Guide

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AFFECTED LAMPS				REPLACEMENT OPTIONS									
HALOGEN PAR20	Item #	Lumens	Impact Date:	ECOHALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen	
H50PAR20NS	682051	550	7/14/12	H39PAR20SP/ECO/2PK* H39PAR20SP/ECO	682431 682432	530 550	CF9PAR20WW*	514209	350	LED8PAR20NF/30K/D* LED8PAR20NF/40K/D*	772250 772252	500 500	
H50PAR20NF	682053	550		H39PAR20NF/ECO/2PK* H39PAR20FL/ECO	682430 682433	530 550							
H50PAR20NF3	682153	500		H39PAR20FL3/ECO	682435	550							
HALOGEN PAR30 SHORT NECK	Item #	Lumens	Impact Date:	ECOHALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen	
H50PAR30NS	683051	660	7/14/12	H39PAR30NF/ECO/2PK* H39PAR30SP/ECO	683430 683432	530 600	CF15PAR30WW*	514305	670	LED14PAR30NF/30K/D* LED14PAR30NF/40K/D*	772370 772372	800 800	
H50PAR30NF	683053	660		H39PAR30NF/ECO/2PK* H39PAR30FL/ECO	683430 683433	530 600							
H50PAR30FL	683054	660		H39PAR30NF/ECO/2PK* H39PAR30WF/ECO	683430 683440	530 600				LED14PAR30WFL/30K/D* LED14PAR30WFL/40K/D*	772371 772373	800 800	
H50PAR30NF3	683253	460		H39PAR30FL3/ECO	683442	600							LED14PAR30NF/30K/D* LED14PAR30NF/40K/D*
H50PAR30FL3	683254	460		H39PAR30WF3/ECO	683443	600				LED14PAR30WFL/30K/D* LED14PAR30WFL/40K/D*	772371 772373	800 800	
H75PAR30NS	683071	1100		H60PAR30SP/ECO/2PK H60PAR30SP/ECO	683452 683454	1100 1070							N/A
H75PAR30NF	683073	1100		H60PAR30NF/ECO/2PK H60PAR30FL/ECO	683450 683455	1100 1070							
H75PAR30FL	683074	1100		H60PAR30NF/ECO/2PK H60PAR30WF/ECO	683450 683459	1100 1070	LED14PAR30WFL/30K/D* LED14PAR30WFL/40K/D*	772371 772373	800				
H75PAR30NF3	683273	850		N/A						LED14PAR30NF/30K/D* LED14PAR30NF/40K/D*	772370 772372	800	
H75PAR30FL3	683274	850		N/A			LED14PAR30WFL/30K/D* LED14PAR30WFL/40K/D*	772371 772373	800				
HALOGEN PAR30 LONG NECK	Item #	Lumens		Impact Date:	ECOHALOGEN	Item #				Lumens	CFL	Item #	
H50PAR30NF/L	683153	660		7/14/12	H39PAR30NF/L/ECO/2PK* H39PAR30FL/L/ECO	683431 683435	530 600	CF15PAR30WW*	514305	670	LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D*	772350 772352	800 800
H50PAR30FL/L	683154	660	H39PAR30NF/L/ECO/2PK* H39PAR30WF/L/ECO		683431 683436	530 600							
H50PAR30NF3L	683353	460	H39PAR30FL3/L/ECO		683438	600	LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D*				772350 772352	800 800	
H50PAR30FL3L	683354	460	H39PAR30WF3/L/ECO		683439	600		LED14PAR30WFL/L/30K/D* LED14PAR30WFL/L/40K/D*	772351 772353	800 800			
H75PAR30NS/L	683171	1100	H60PAR30SP/L/ECO/2PK H60PAR30SP/L/ECO		683453 683456	1100 1070	N/A						LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D*
H75PAR30NF/L	683173	1100	H60PAR30NF/L/ECO/2PK H60PAR30FL/L/ECO		683451 683457	1100 1070							
H75PAR30FL/L	683174	1100	H60PAR30NF/L/ECO/2PK H60PAR30WF/L/ECO		683451 683458	1100 1070		LED14PAR30WFL/L/30K/D* LED14PAR30WFL/L/40K/D*	772351 772353	800 800			
H75PAR30NF3L	683373	850	N/A			LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D*	772350 772352				800 800		
H75PAR30FL3L	683374	850	N/A									LED14PAR30WFL/L/30K/D* LED14PAR30WFL/L/40K/D*	772351 772353

* May have lower lumen output

This lamp will no longer be manufactured after the listed impact date according to the 2007 Energy Independence and Security Act.

* ENERGY STAR QUALIFIED ITEMS

COMING SOON

What Product Do I Choose?

General Service Incandescent Reflector Lamps Replacement Guide

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AFFECTED LAMPS				REPLACEMENT OPTIONS												
HALOGEN PAR38	Item #	Lumens	Impact Date:	ECOHALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen				
H45PAR38FL	683844	520	7/14/12	H39PAR38WF/ECO	683463	550	CF23PAR38WW*	514503	1200	LED18PAR38WW	772418	538				
H45PAR38FL3	683845	440		H39PAR38WF3/ECO	683466	550				LED20PAR38WFL/30K/D*	772451	1200				
H60PAR38FL	683864	880		H60PAR38NF/ECO/2PK H60PAR38WF/ECO	684450	1100				LED20PAR38WFL/40K/D*	772453	1200				
H60PAR38FL3	683865	700			684453	1070				LED20PAR38NF/30K/D*	772450	1200				
H75PAR38FL	683874	1100		H70PAR38SP/ECO/2PK H70PAR38SP/ECO	684471	1310				LED20PAR38NF/40K/D*	772452	1200				
H75PAR38FL3	683875	940			684472	1305				LED20PAR38NF/30K/D*	772451	1200				
H90PAR38SP	683892	1270		H70PAR38NF/ECO/2PK H70PAR38WF/ECO	684470	1310				N/A	N/A	LED20PAR38WFL/40K/D*	772453	1200		
H90PAR38FL	683894	1270			684474	1305										
H90PAR38FL3	683895	1100		H70PAR38SP/ECO/2PK* H70PAR38SP/ECO	684471	1310				N/A	N/A	LED20PAR38WFL/30K/D*	772451	1200		
H120PAR38SP	683922	1850			684472	1305										
H120PAR38FL	683924	1850		H70PAR38NF/ECO/2PK* H70PAR38WF/ECO	684470	1310				N/A	N/A	LED20PAR38WFL/40K/D*	772453	1200		
H120PAR38FL3	683925	1440			684474	1305										
H150PAR38FL	683954	2210														
HALOGEN COOL BEAM PARS	Item #	Lumens		Impact Date:	ECOHALOGEN	Item #				Lumens	CFL	Item #	Lumens	LED	Item #	Lumen
H50PAR20/CB	690050	550		7/14/12	H39PAR20NF/ECO/2PK* H39PAR20FL/ECO	682430 683433				530 550	CF9PAR20WW*	514209	350	LED8PAR20NF/30K/D* LED8PAR20NF/40K/D*	772250 772252	500 500
H75PAR30/CB	690075	1100	H60PAR30NF/ECO/2PK H60PAR30FL/ECO		683450 683455	1100 1070	N/A		N/A							
H75PAR30L/CB	690076	1100			H60PAR30NF/L/ECO/2PK H60PAR30FL/L/ECO	683451 683457	1100 1070	CF15PAR30WW* *	514305	670	LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D* LED14PAR30WFL/L/30K/D* LED14PAR30WFL/L/40K/D*	772350 772352 772351 772353	800 800 800 800			
H90PAR38/CB	690090	1270	H70PAR38NF/ECO/2PK H70PAR38WF/ECO			684470 684474	1310 1305	CF23PAR38WW* *	514503	1200	LED20PAR38NF/30K/D* LED20PAR38NF/40K/D* LED20PAR38WFL/30K/D* LED20PAR38WFL/40K/D*	772450 772452 772451 772453	1200 1200 1200 1200			
HALOGEN FROSTED PARS	Item #	Lumens	Impact Date:	ECOHALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen				
H50PAR20FR2	682154	500	7/14/12	N/A	N/A	N/A	N/A	N/A	N/A	LED8PAR20NF/30K/D* LED8PAR20NF/40K/D*	772250 772252	500 500				
H50PAR30FR2	683255	500								N/A						
H50PAR30FR2/L	683155	500								LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D* LED14PAR30WFL/L/30K/D* LED14PAR30WFL/L/40K/D*	772350 772352 772351 772353	800 800 800 800				
H75PAR30FR2	683075	990								COMING SOON						
H75PAR30FR3	683275	880								LED14PAR30NF/L/30K/D* LED14PAR30NF/L/40K/D* LED14PAR30WFL/L/30K/D* LED14PAR30WFL/L/40K/D*	772350 772352 772351 772353	800 800 800 800				
H75PAR30FR2/L	683175	990														
H75PAR30FR3/L	683375	880								LED20PAR38NF/30K/D* LED20PAR38NF/40K/D* LED20PAR38WFL/30K/D* LED20PAR38WFL/40K/D*	772450 772452 772451 772453	1200 1200 1200 1200				
H90PAR38FR2	683896	1140														

* May have lower lumen output

This lamp will no longer be manufactured after the listed impact date according to the 2007 Energy Independence and Security Act.

*ENERGY STAR QUALIFIED ITEMS

COMING SOON

What Product Do I Choose?

General Service Incandescent Reflector Lamps Replacement Guide

The products affected by the Energy Independent and Security Act of 2007 under the 2009 update are listed in the first column below in **YELLOW**. Bulbrite is proud to offer a full line of compliant halogen, compact fluorescent and LED replacements listed in the columns to the right of the affected lamps. All replacement lamps are recommended based on the closest lumen output to the affected lamps.

AFFECTED LAMPS				REPLACEMENT OPTIONS								
HALOGEN REFLECTORS	Item #	Lumens	Impact Date:	HALOGEN	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen
H50R20FL	692050	550	7/14/12	H45R20FL*	692045	495	CF14R20WW* CF14R20DL*	511214 511314	500 470	LED8R20/27K/D* LED8R20/30K/D*	772256 772255	500 500
H60BR30FL	694060	750		H65BR30FL	694065	810	CF16R30WW CF16R30CW CF15R30WW/DM*	511416 511617 514215	800 705 680	LED14BR30/27K/D* LED14BR30/30K/D*	772356 772355	900 900
H75BR30FL	694075	1020		H65BR30FL*	694065	810	N/A					
H75BR40FL	695075	1050		H65BR40FL*	695065	820						
H100BR40FL	695100	1600		N/A			CF23R40WW/E* CF23R40CW* CF23R40CW/E* CF23R40WW/DM*	511524 511626 511627 514223	1200 1100 1200 1050	LED20BR40/27K/D* LED20BR40/30K/D*	772456 772455	1300 1300
H120BR40FL	695120	1850					N/A			N/A		

MODIFIED SPECTRUM REFLECTORS	Item #	Lumens	Impact Date:	INCANDESCENT	Item #	Lumens	CFL	Item #	Lumens	LED	Item #	Lumen
50R20FL/N	711050	420	7/14/12	45R20FL/N*	711045	250	N/A					
50R20SP/N	711150	420		65R30FL/N*	711065	420						
75R30FL/N	711075	720		65R40FL/N*	711066	400						
75R40FL/N	711076	720		N/A								
100R30FL/N	711010	1050										
100R40FL/N	711011	1050										
150R40FL/N	711015	1600										

* May have lower lumen output

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*ENERGY STAR QUALIFIED ITEMS

General Service Fluorescents Replacement Guide

AFFECTED LAMPS				REPLACEMENT OPTIONS									
4-FOOT ≥ 25W	Item #	Lumens	Impact Date:	STANDARD FLUORESCENTS	Item #	Lumens	REDUCED WATTAGE	Item #	Lumens	HIGH LUMEN	Item #	Lumen	
F32T8/730/EW	528032	2750	7/14/12	F32T8/830/EW	528532	2950	N/A		N/A				
F32T8/735/EW	528132			F32T8/835/EW	528632		F28T8/835/EW	528128	2725	F32T8/835/HL	529632	3300	
F32T8/741/EW	528232			F32T8/841/EW	528732		F28T8/841/EW	528228		F32T8/841/HL	529732	3300	
F32T8/750/EW	528332			F32T8/850/EW	528832		N/A		N/A		F32T8/850/HL	529832	3200
4-FOOT MINIATURE BIPIN STANDARD OUTPUT ≥ 26W	Item #	Lumens	Impact Date:	STANDARD FLUORESCENTS	Item #	Lumens	REDUCED WATTAGE	Item #	Lumens	HIGH LUMEN	Item #	Lumen	
F28T4/30K	585028	2200	7/14/12	N/A			N/A		N/A				
F28T4/41K	585128												
F28T4/64K	585228												

This lamp will no longer be manufactured after the listed impact date according to the 2007 Energy Independence and Security Act.

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