



# LED Lamps - Plug-in



## Type B 2-Pin Plug-in Lamps

Type B Plug-in lamps provide an easy solution to leverage the low energy and long life of LED. The existing fixture is wired to bypass the ballast, which further reduces energy use and eliminates the need to check ballast compatibility. Type B Plug-ins also present a long-term replacement lamp option when compact fluorescents and CFL ballasts become unavailable.

### PERFORMANCE HIGHLIGHTS:

Type B 2-Pin Plug-in Lamps	
<b>Light Output Range:</b>	500 - 1,850 Lumens
<b>CRI:</b>	80
<b>CCT:</b>	Various, Selectable on some models
<b>Input Voltage:</b>	120-277; 120-347 on some models
<b>Efficiency:</b>	Up to 105 LPW
<b>Wattage:</b>	5W - 18W
<b>Life:</b>	Up to 50,000 hours L70
<b>Temperature Rating:</b>	-20°C to 40°C
<b>Location Rating:</b>	Damp

### FEATURES:

- Operate from 120-277 or 120-347VAC input voltage
- Fit in existing CFL sockets
- Selectable color temperature available on some models
- Directional light output can provide improved fixture efficiency
- Last up to 4x longer than CFL
- These lamps are energy efficient, contain no lead or mercury and are compliant with material restriction requirements of RoHS

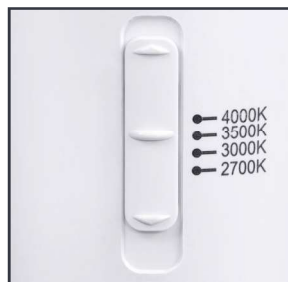
### BENEFITS:

#### Energy + Cost Savings

- For example, using only 10.5 watts of energy, save over \$90 in energy costs over the rated life of the lamp versus a standard 26-watt compact fluorescent lamp operated on a ballast based on \$0.11 per kWh
- Eliminate the need for ballasts and provide long-term lamp replacement options
- G24 2-pin lamps work in 2-pin G24d and 4-pin G24q sockets
- Selectable color temperature allows flexibility to match color with fewer SKUs

### LIMITED WARRANTY

5 years



Available on some models:  
Select color temperature using built-in switch.

### LEARN MORE:

To learn more about saving money and energy, go to [www.LED.com](http://www.LED.com).



## Selectable LED Lamps

### Do more with less.

- *Reduce Inventory*
- *Simplify Projects*
- *Optimize Solutions*

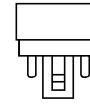
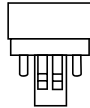
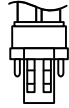
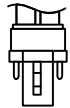
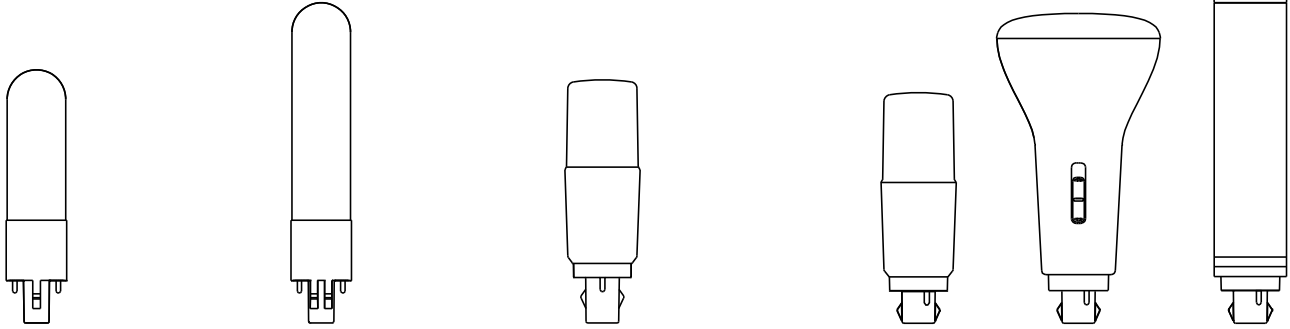


# LED Lamps - Plug-in

## Type B 2-Pin Plug-in Lamps

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### Lamp Drawings and Base Identification (not drawn to scale)

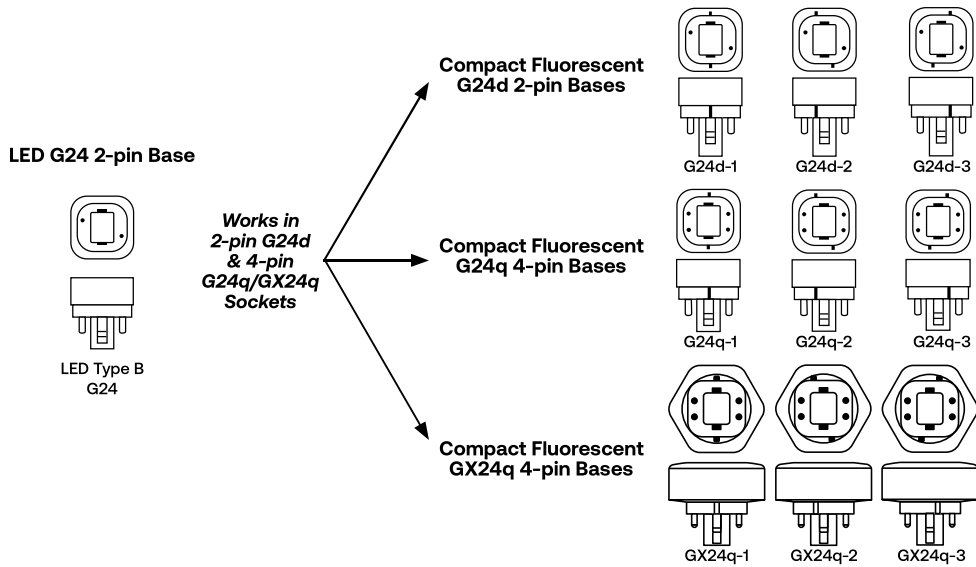


**G23 Base**  
Replaces G23

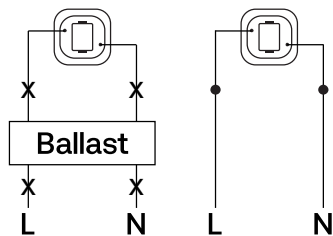
**GX23 Base**  
Replaces GX23

**GX23-2 Base**  
Replaces GX23-2

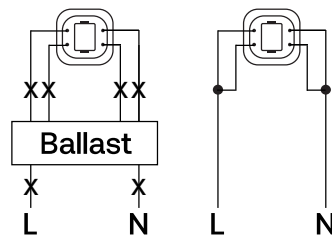
**G24 Base**  
Replaces G24d & G24q  
(See diagrams below)



**Wiring Diagram for G24d 2-pin Sockets**



**Wiring Diagram for G24q/GX24q 4-pin Sockets**





## Type B 2-Pin Plug-in Lamps

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### LED Lamps – Type B Plug-ins

Type B LED plug-in lamps offer the opportunity to replace pin-based compact fluorescent lamps and eliminate costs related to the ballasts. Type B lamps operate from mains voltage. The fixture is re-wired to bypass the ballast. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.

### Type B Plug-in Product Family Table



Base	G23	GX23	GX23-2	G24	G24	G24	G24
Fits In Sockets	G23	GX23	GX23-2	G24d G24q GX24q	G24d G24q GX24q	G24d G24q GX24q	G24d G24q GX24q
Input Voltage	120-277	120-277	120-277	120-277	120-277	120-347	120-347
Color Temperature	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K 5000K	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K	2700K 3000K 3500K 4000K	SpectraChoice™ 2700K 3000K 3500K 4000K	SpectraChoice™ 2700K 3000K 3500K 4000K
Rated Life (L70)	50,000	50,000	20,000	20,000	50,000	50,000	50,000
Lumens	500	500	800	850	1200	1100	1850
Light Distribution	Directional	Directional	Omnidirectional	Omnidirectional	Omnidirectional	Directional	Directional
Wattage	5W	5W	7.5W	7.5W	10W	10.5W	18W
CFL Equivalent	7/9W	13W	13W	13W	18W	13/18/26W	32/42W

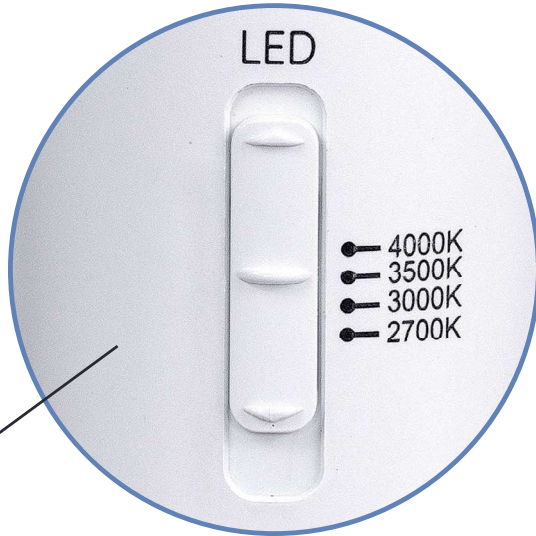


## Type B 2-Pin Plug-in Lamps

CUSTOMER NAME \_\_\_\_\_  
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 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### LED Lamps – SpectraChoice™ Type B Plug-ins

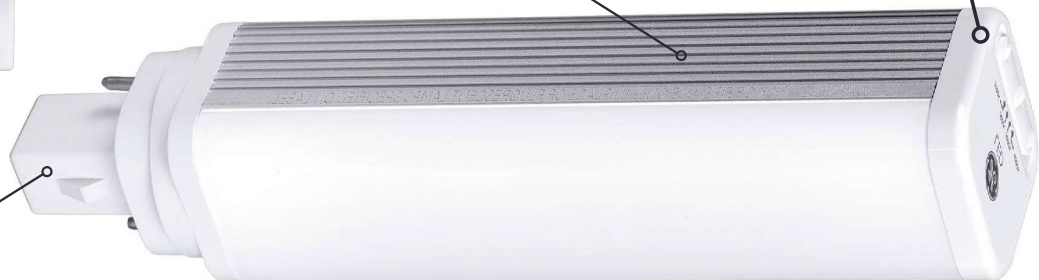
SpectraChoice™ Type B Plug-in lamps feature built-in switches to select color temperature. Horizontal and vertical orientation lamps are offered in order to minimize energy consumption and improve fixture efficiency. Choose the lamp orientation that suits the application.



**G24 Type B plug-in bases can be used in a variety of sockets**



**Heat sink for thermal management enables long life**





**Horizontal orientation lamps feature a rotatable base**








## Type B 2-Pin Plug-in Lamps

CUSTOMER NAME \_\_\_\_\_  
 PROJECT NAME \_\_\_\_\_  
 DATE \_\_\_\_\_ NOTES \_\_\_\_\_

### Ballast Bypass SpectraChoice™ 2-Pin Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty <sup>2</sup>	MOL (in)	MOD (in)	Lumens (Initial) <sup>5</sup>	Selectable Color Temp.*	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information	
<b>Horizontal 2-pin - Fits in G24d and G24q sockets - Ballast Bypass</b>																	
	G24	10.5	933100087	LED11BG24-H/8SC/120-347-4PK	120-347	24	6.4	1.9	1000	2700	80	13/18/26	50,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
									1100	3000							
									1100	3500							
									1100	4000							
	G24	18	93312525	LED18BG24-H/8SC/120-347	120-347	12	6.8	2.3	1850	2700	80	32/42	50,000	N/A	Damp, Enclosed	Ballast Bypass	
									1850	3000							
									1850	3500							
									1850	4000							
<b>Vertical 2-pin - Fits in G24d and G24q sockets - Ballast Bypass</b>																	
	G24	10.5	933100088	LED11BG24-V/8SC/120-347-4PK	120-347	24	5.9	3.1	1000	2700	80	13/18/26	50,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
									1100	3000							
									1100	3500							
									1100	4000							
	G24	18	93312489	LED18BG24-V/8SC/120-347	120-347	12	6.5	3.6	1850	2700	80	32/42	50,000	N/A	Damp, Enclosed	Ballast Bypass	
									1850	3000							
									1850	3500							
									1850	4000							

### Ballast Bypass Fixed Color Temperature 2-Pin Plug-in Lamps - Type B

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty <sup>2</sup>	MOL (in)	MOD (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Wattage Replacement	Rated Life L70 (Hrs) <sup>1</sup>	DLC <sup>4</sup>	Location Rating <sup>3</sup>	Additional Information	
<b>Type B 2-pin - G23 replacement - Ballast Bypass</b>																	
	G23	5	93312465	LED5BG23/827	120-277	24	5.4		500	2700K	80	7/9	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	G23	5	93312471	LED5BG23/830	120-277	24	5.4		500	3000K	80	7/9	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	G23	5	93312477	LED5BG23/835	120-277	24	5.4		500	3500K	80	7/9	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	G23	5	93312483	LED5BG23/840	120-277	24	5.4		500	4000K	80	7/9	50,000	N/A	Damp, Enclosed	Ballast Bypass	
<b>Type B 2-pin - GX23 replacement - Ballast Bypass</b>																	
	GX23	5	93312495	LED5BGX23/827	120-277	24	6.8		500	2700K	80	13	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23	5	93312501	LED5BGX23/830	120-277	24	6.8		500	3000K	80	13	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23	5	93312507	LED5BGX23/835	120-277	24	6.8		500	3500K	80	13	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23	5	93312513	LED5BGX23/840	120-277	24	6.8		500	4000K	80	13	50,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23	5	93312519	LED5BGX23/850	120-277	24	6.8		500	5000K	80	13	50,000	N/A	Damp, Enclosed	Ballast Bypass	
<b>Type B 2-pin - GX23-2 replacement - Ballast Bypass</b>																	
	GX23-2	7.5	93312531	LED8BGX23-2-O/827	120-277	24	4.7	1.5	800	2700K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23-2	7.5	93312537	LED8BGX23-2-O/830	120-277	24	4.7	1.5	800	3000K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23-2	7.5	93312543	LED8BGX23-2-O/835	120-277	24	4.7	1.5	800	3500K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass	
	GX23-2	7.5	93312549	LED8BGX23-2-O/840	120-277	24	4.7	1.5	800	4000K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass	
<b>Type B 2-pin - Fits in G24d and G24q sockets - Ballast Bypass</b>																	
	G24	7.5	93300068	LED8BG24-O/827-4PK	120-277	24	4.4	1.5	800	2700K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
	G24	7.5	93300069	LED8BG24-O/830-4PK	120-277	24	4.4	1.5	850	3000K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
	G24	7.5	93300080	LED8BG24-O/835-4PK	120-277	24	4.4	1.5	850	3500K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
	G24	7.5	93300081	LED8BG24-O/840-4PK	120-277	24	4.4	1.5	850	4000K	80	13	20,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
<b>Type B 2-pin - Fits in G24d and G24q sockets - Ballast Bypass</b>																	
	G24	10	93300082	LED10BG24-O/827-4PK	120-277	24	5.4	1.8	1100	2700K	80	18	50,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
	G24	10	93300083	LED10BG24-O/830-4PK	120-277	24	5.4	1.8	1200	3000K	80	18	50,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
	G24	10	93300084	LED10BG24-O/835-4PK	120-277	24	5.4	1.8	1200	3500K	80	18	50,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	
	G24	10	93300086	LED10BG24-O/840-4PK	120-277	24	5.4	1.8	1200	4000K	80	18	50,000	N/A	Damp, Enclosed	Ballast Bypass, 4 pack	

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

<sup>1</sup> The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

<sup>2</sup> Minimum order quantity from Current - Carton Qty; Smaller unit of sale pack inside carton

<sup>3</sup> UL 1993 Environmental Requirements for LED LAMPS

Damp Location - Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

<sup>4</sup> DLC\* does not have a category for two-pin plug-in lamps.

<sup>5</sup> Lumen levels correspond with color temperature.

\* Default color temperature setting is 4000K.