

bodine

Emergency Ballast

Linear fluorescent

B30HV High bay



Project: _____
Location: _____
Cat.No: _____
Type: _____
Lamps: _____ Qty: _____
Notes: _____

T5HO High Bay and Type TLED Compatibility
One- or Two-lamp Operation
Up to 3500 Lumen Output
End-of-lamp-life Compatible

Product order number: B30HV (galvanized metal case)

Specifications

UL Listed for US and Canada

Listed to UL924 and tested to CSA 22.2 No. 141
Field or Factory Installation (Indoor and Damp) Output Class 2 Compliant

Illumination Time

90 Minutes

Initial Light Output

1100 - 3500 Lumens

Full Warranty

5 Years (NOT pro-rata)

Input Voltage

347-480 VAC, 50/60 Hz

AC Input Current

30 mA

AC Input Power Rating

8.6 Watts

Test Switch/Charging Indicator Light

2-wire Illuminated Test Switch (2W-ITS)

Battery

High-Temperature, Maintenance-Free
Nickel-Cadmium Battery
7- to 10-Year Life Expectancy

Battery Charging Current

290 mA

Recharge Time

24 Hours

Temperature Rating (Ambient)

+5°C to 50°C (41°F to 122°F)

Dimensions

16.6" x 2.8" x 2.85" (422 mm x 71 mm x 73 mm)
2' (610 mm) Flexible Conduit
Mounting Center 16.05" (408mm)

Weight

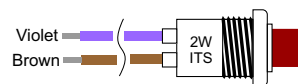
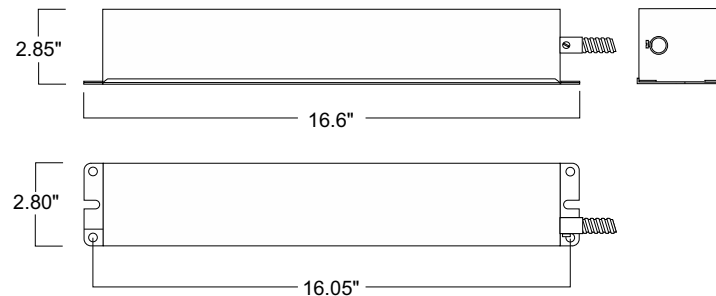
7.5 lbs. (3.41 kg)

Benefits:

- Compatible with 7 - 16.5W Type A TLED lamps (including LED T8 InstantFit)
- High lumen output for high bay applications
- Emergency mode lumen output up to 3500 lumens
- One- or two-lamp operation
- End-of-lamp life compatible
- Two-wire illuminated test switch

Dimensions

16.6" x 2.8" x 2.85" (mounting center - 16.05")



An illuminated test switch/charging indicator light is provided.

B30HV Emergency ballast, T5HO high bay

Application

The B30HV emergency ballast works in conjunction with an AC ballast to convert new or existing fluorescent fixtures into emergency lighting. The emergency ballast consists of a nickel-cadmium battery, charger and electronic circuitry in one case. The B30HV can be used with most 14 - 215 W (2' - 8') T5, T8, T9, T10 or T12 fluorescent lamps without integral starters, including U-shaped, HO, VHO, circline and energy-saving, and (4-pin) twin and quad compacts. One- or two-lamp operation may be selected (see Table 1). It is also compatible with most one-, two-, three- and four-lamp electronic, standard, energy-saving and dimming AC ballasts. If used in an emergency-only fixture, no AC ballast is necessary. The B30HV is suitable for indoor and damp locations. It is not suitable for air handling heated air outlets or wet or hazardous locations. For information about specific lamp and ballast compatibility, please call the factory.

Operation

When AC power fails, the B30HV immediately switches to the emergency mode, operating either one or two lamps at a reduced lumen output for a minimum of 90 minutes. When AC power is restored, the emergency ballast automatically returns to the charging mode and delays AC ballast operation for approximately three (3) seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits.

Installation

The B30HV does not affect normal fixture operation and may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to the emergency ballast. The emergency ballast must be fed from the same branch circuit as the AC ballast. The B30HV may be installed on top of or remote from the fixture. The emergency ballast may be remotely installed up to half the distance the AC ballast manufacturer recommends remoting the AC ballast from the lamp or up to 50 feet, whichever is less. Installation is not recommended with fixtures where the ambient temperature may fall below +5°C. A 2-wire illuminated test switch is provided.

Emergency Illumination

Depending on the number (one or two), wattage and type of lamps selected, the B30HV produces 1100 to 3500 lumens initial emergency light output. If two-lamp operation is selected, light output is evenly divided between the lamps for better distribution of emergency illumination.

Specification

Emergency lighting shall be provided by using a standard fluorescent fixture equipped with a Bodine B30HV emergency ballast. The B30HV shall consist of a high-temperature, maintenance-free nickel-cadmium battery, charger and electronic circuitry contained in one 16.6" x 2.8" x 2.85"

metal case with a 2' length of flexible conduit. An illuminated test switch to monitor the charger and battery and installation hardware shall be provided. The emergency ballast, shall delay AC ballast operation for approximately three (3) seconds to prevent false tripping of the AC ballast end-of-lamp-life shutdown circuits. The emergency ballast shall be capable of operating [one or two] _____ fluorescent lamp(s) (see Table 1) at _____ lumens (see Table 2) initial light output in the emergency mode for a minimum of 90 minutes. It shall be suitable for indoor and damp locations. The B30HV shall have 8.6 Watts of input power and a 57.6 Watt-hour battery capacity and shall exceed emergency standards set forth by the current NEC. The emergency ballast shall be UL Listed (Pending) for factory or field installation and shall be warranted for a full five years from date of purchase.

End-Of-Lamp-Life Compatible

This emergency ballast incorporates a circuit that delays the AC ballast operation for approximately three (3) seconds. This delay prevents the false tripping of the AC ballast's end-of-lamp-life shutdown circuits.

Warranty

The B30HV is warranted for five (5) full years from date of purchase. Please see detailed warranty information on our web site.

Table 1 Lamp Compatibility

LAMP DIAMETER (T5, T8, T9, T10, T12)	BASE	WATTAGE (Length)	NO. of LAMPS (EMERGENCY)	BLUE/ORANGE CONNECTOR	YELLOW/RED CONNECTOR
1", 1¼", 1½"	Single or Bipin	17 - 40 W (2' - 4')	1	CLOSED	OPEN
			2	OPEN	CLOSED
		40 - 215 W (5' - 8')	1	OPEN	CLOSED
Long Compact	4-PIN (2G11)	18 - 39 W	1	CLOSED	OPEN
		40 - 55 W	1	CLOSED	OPEN
Twin/Quad/Triple Twin-Tube Compact	4-PIN (G24q, GX24q)	18 - 42 W	1	CLOSED	OPEN
2D	4-PIN (GR10q)	16 - 55 W	1	CLOSED	OPEN
		55 W	1	OPEN	CLOSED
T5	HO Circline 4-PIN (2GX13)	22 - 55 W	1	CLOSED	OPEN
	TL5 HE	14 W	1	CLOSED	OPEN
		21-35 W	1	CLOSED	OPEN
	TL5 HO	24 W	1	CLOSED	OPEN
		39-54 W	1	CLOSED	OPEN
Type ATLED lamps (including Philips LED T8 InstantFit)	Bipin	7 - 16.5 W	1	CLOSED	OPEN

Table 2 Lumen Output

LAMP	LUMENS	
	1 Lamp	2 Lamps
F14T5/HE	1280	1930
F21T5/HE	2090	
F28T5/HE	2480	
F35T5/HE	3400	
F24T5/HO	1560	2090
F39T5/HO	2400	
F49T5/HO	3500	
F54T5/HO	3070	
F17T8	1120	1660
F25T8	1740	2410
F32T8	2160	2830
F40T8	2060	
F96T12/HO 95W	1890	
F96T12/HO 110W	2290	
PL-L 24W	1400	
PL-L 36W	1990	
PL-L 40W	2600	
PL-L 55W	3310	
PL-T 26W	1270	
PL-T 42W	1940	
PL-Q (2D) 28W	1710	
PL-Q (2D) 38W	2070	
FC9T5 22W Circline	1570	
FC12T5 40W Circline	2290	
FC12T5 55W Circline	2310	

