

INTRODUCTION

BLU Drive™ with BLU BaRS™ offers an innovative and affordable option to convert any linear fluorescent/LED tube fixture to wireless control. This includes but is not limited to troffers, wraps, strips, vaportights, architectural. Installation is a fast and simple process. After install, simply download the SMART BLU® App and program your lights. A wide range of accessories is available to support controls for other parts of the facility. Applications include schools, offices, parking garages, community centers, etc... A perfect choice for architects, engineers, contractors and end users.

DESCRIPTION

- Constant current LED driver
- Input voltage range: 120 to 347VAC, 50/60Hz
- Power factor: ≥ 0.90 ; THD: $\leq 20\%$
- Input inrush current: $\leq 10A$ at 347V/25%
- Maximum input current: 0.38A at 108V
- Turn-ON delay time: ≤ 1 sec at 120Vac
- Efficiency: $\geq 80\%$ at 347V; Flicker: $\leq 5\%$
- Over voltage protection: Hiccup mode
- Output short circuit protection: Auto recovery
- Circuit Type: Isolated
- Power Out: 31.5W Maximum
- Dimming: Bluetooth; Auxillary: 12V, 200mA
- Output current is adjustable
- Safety Standard UL8750/UL1310
- EMC Standard: FCC Part 15 Class B/Class 2
- Hi-Pot: L/N-GND; 1600Vac, DC-DIM: 500Vdc
- Surge: L-N/L&N-PE: 2 + 2KV/6 + 6KV
- Warranty: 5 Years

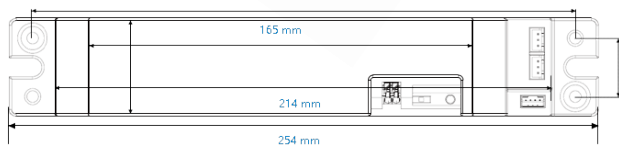
NOMENCLATURE

FAMILY SERIES	WATTS
BD=BLU Drive™	35=35W

EXAMPLE: BD35



DIMENSIONS



SPECIFICATIONS AT 120V				
	SYMBOL	MEASUREMENT	UNIT	REMARK
Input Voltage	Vin	120	V	LED loader from 30V-42V
Input Current	Iin	230 ~ 310	mA	
Input Frequency	F	60	Hz	
Input Power	Pin	27 ~ 26.5	W	
Power Factor	PF	0.99	--	
Output Current	Iout	750	mA	
Efficiency	·	83 ~ 86	%	

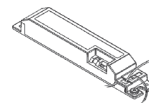
SPECIFICATIONS AT 277V				
	SYMBOL	MEASUREMENT	UNIT	REMARK
Input Voltage	Vin	277	V	LED loader from 30V-42V
Input Current	Iin	105 ~ 140	mA	
Input Frequency	F	60	Hz	
Input Power	Pin	27 ~ 26.5	W	
Power Factor	PF	0.95	--	
Output Current	Iout	750	mA	
Efficiency	·	82 ~ 86	%	

SPECIFICATIONS AT 347V				
	SYMBOL	MEASUREMENT	UNIT	REMARK
Input Voltage	Vin	347	V	LED loader from 30V-42V
Input Current	Iin	90 ~ 115	mA	
Input Frequency	F	60	Hz	
Input Power	Pin	28 ~ 37	W	
Power Factor	PF	0.90	--	
Output Current	Iout	750	mA	
Efficiency	·	81 ~ 85	%	

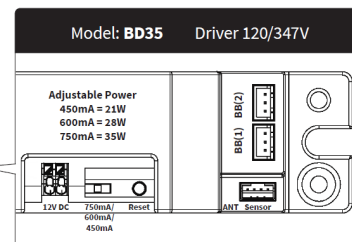
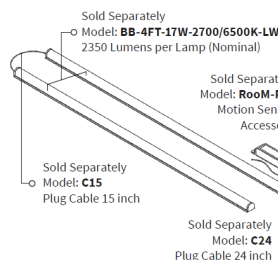
ENVIRONMENTAL	
Operating Temperature Range	-30°C to +40°C (Max)
Operating Humidity Range	5% RH to 95% RH
Storage Temperature Range	-30°C to +40°C (Max)
Storage Humidity Range	5% RH to 95% RH
Estimated Life	At Full Load & Tc Point $\leq 80^\circ\text{C}$
Mean Time Before Failure @ Ambient Temp 25°C	50,000 Hours
Warranty	5 years

BLU BaRS™ Retrofit System

Kit includes: 12x BD35

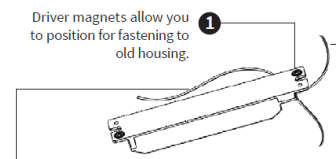


Simple Smart Affordable™



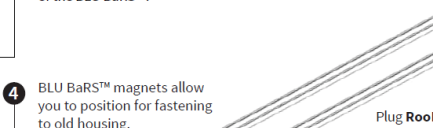
Installation Instructions

Driver magnets allow you to position for fastening to old housing.



Make sure to have at least 3 inches of antenna exposed out of metal containment. This can be behind plastic.

After splicing driver input wires to building power, simply plug C24 cable into port BB1 and leave opposite end out to connect to one of the BLU BaRS™.

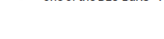


BLU BaRS™ magnets allow you to position for fastening to old housing.

Connect C15 to both BLU BaRS™.



Connect C24 cable into one of the BLU BaRS™.



Plug Room-PIR Sensor cable to Sensor input on driver. Cut 2 inch diameter hole in ceiling and pull Sensor cable through to plug into Room-PIR Sensor before pushing up to lock in place.

Download SMART BLU® CLOUD from Google Play or the Apple Store to connect and program your BLU BaRS™.

ENJOY!

BLU BaRS™
Retrofit System

*To be installed by a certified electrician in accordance with national and/or local electrical codes.



Contact your local supplier or representative or call J2 Light Inc. direct at:

1.888.LOW.WATT (569.9288) www.blu-ecosystem.com

SIMPLE. AFFORDABLE. EFFECTIVE

J2 Light® Version 230110