

INTRODUCTION

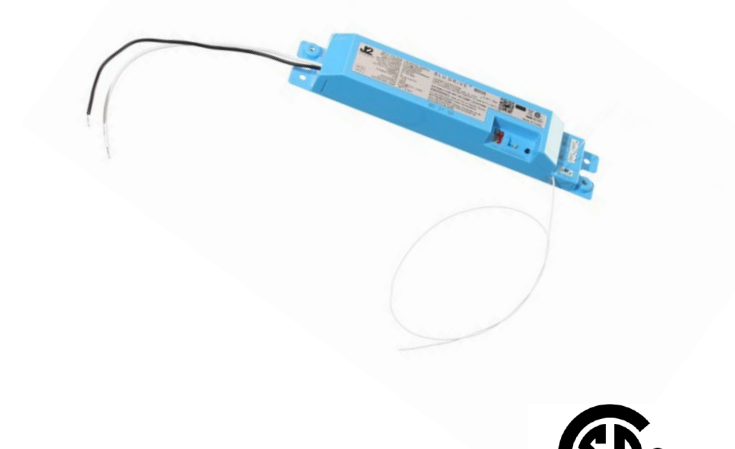
BLU DRiVe™ with BLU BaRS™ offers an innovative and affordable option to convert any linear fluorescent/LED tube fixture to wireless control. This includes but is not limited to troffers, wraps, strips, vaportights, architectural. Installation is a fast and simple process. After install, simply download 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
- 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

SPECIFICATIONS AT 120V				
	SYMBOL	MEASUREMENT	UNIT	REMARK
Input Voltage	Vin	120	V	
Input Current	Iin	230 ~ 310	mA	
Input Frequency	F	60	Hz	
Input Power	Pin	27 ~ 26.5	W	LED loader from 30V-42V
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	
Input Current	Iin	105 ~ 140	mA	
Input Frequency	F	60	Hz	
Input Power	Pin	27 ~ 26.5	W	LED loader from 30V-42V
Power Factor	PF	0.95	--	
Output Current	Iout	750	mA	
Efficiency	·	82 ~ 86	%	



Visit www.blu-ecosystem.com for more information.

SIMPLE. AFFORDABLE. EFFECTIVE.

DESCRIPTION

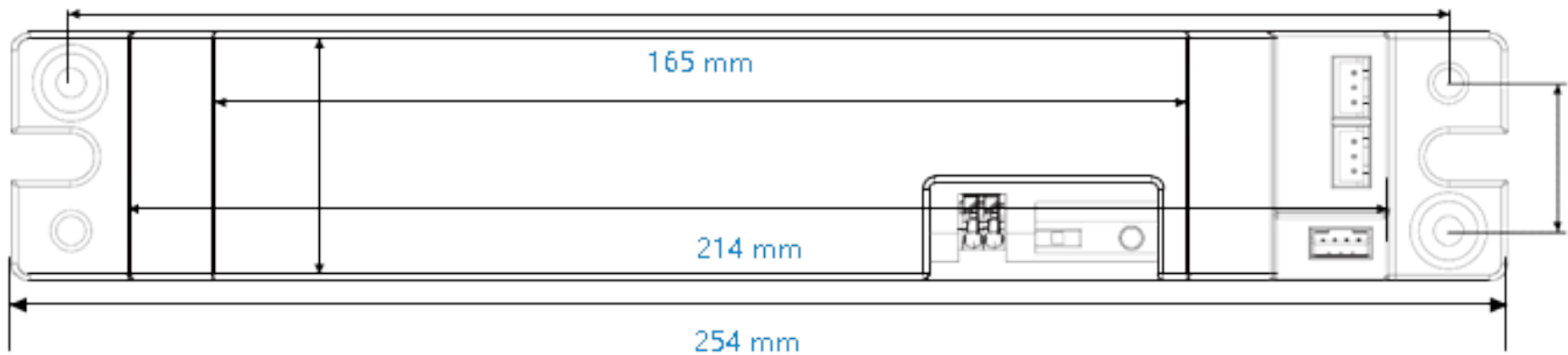
- Input voltage range: 120 to 347VAC, 50/60Hz
- Power factor: ≥ 0.90
- THD: $\leq 20\%$
- Input inrush current: $\leq 10A$ at 347V/25%
- Maximum input current: 0.38A at 108V
- Turn-ON delay time: ≤ 1 sec at 120Vac
- Efficiency: $\geq 80\%$ at 347V
- Flicker: $\leq 5\%$
- Over voltage protection: Hiccup mode
- Output short circuit protection: Auto recovery

SPECIFICATIONS AT 347V				
	SYMBOL	MEASUREMENT	UNIT	REMARK
Input Voltage	Vin	347	V	
Input Current	Iin	90 ~ 115	mA	
Input Frequency	F	60	Hz	
Input Power	Pin	28 ~ 37	W	LED loader from 30V-42V
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

NOMENCLATURE	
FAMILY SERIES	WATTS
BD=BLU DRiVe™	35=35W
EXAMPLE: BD35	

DIMENSIONS

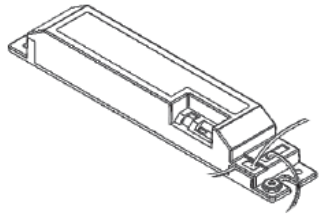


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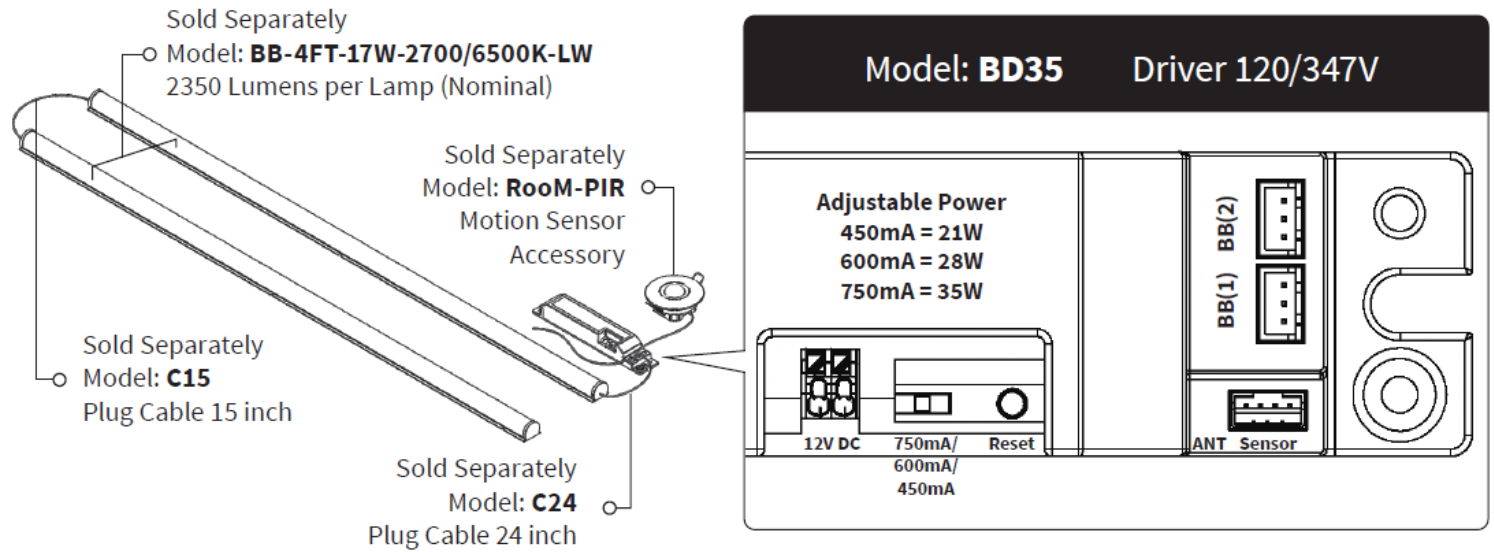
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BLU BaRS™ Retrofit System

Kit includes: **12x** BD35



Simple Smart Affordable™



Installation Instructions

- 1 Driver magnets allow you to position for fastening to old housing.
- 2 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™.
- 3 Make sure to have at least 3 inches of antenna exposed out of metal containment. This can be behind plastic.
- 4 BLU BaRS™ magnets allow you to position for fastening to old housing.
- 5 Connect **C24** cable into one of the BLU BaRS™.
- 6 Connect **C15** to both BLU BaRS™.
- 7 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.
- 8 Download **SMART BLU™ CLOUD** from Google Play or the Apple Store to connect and program your BLU BaRS™.
- 9 ENJOY!

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

SMART
BLU
CLOUD



BLU BaRS™
Retrofit System

J2 Light® Version 230110

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

BLU Ecosystem™
Wireless lighting control system.