

Vesta® Fusion



Bridgelux Differentiation

- It's in our DNA is to solve customers' problems
- 15+ years of driving lighting market transformation
- Vertically integrated global supply chain
- Strategic focus on the simplification of human centric lighting systems



What is Vesta Fusion?

- A family of tunable white LED drivers with wired and wireless control modules, connected via 0-10V wires
- Multiple interoperable plug-and-play control options that are customizable to meet the needs of lighting projects
- Compatible with Bluetooth, 0-10V controls
- Optimized to work with Vesta Series tunable white sources
- Driver and control module are decoupled enabling SKU reduction and inventory optimization



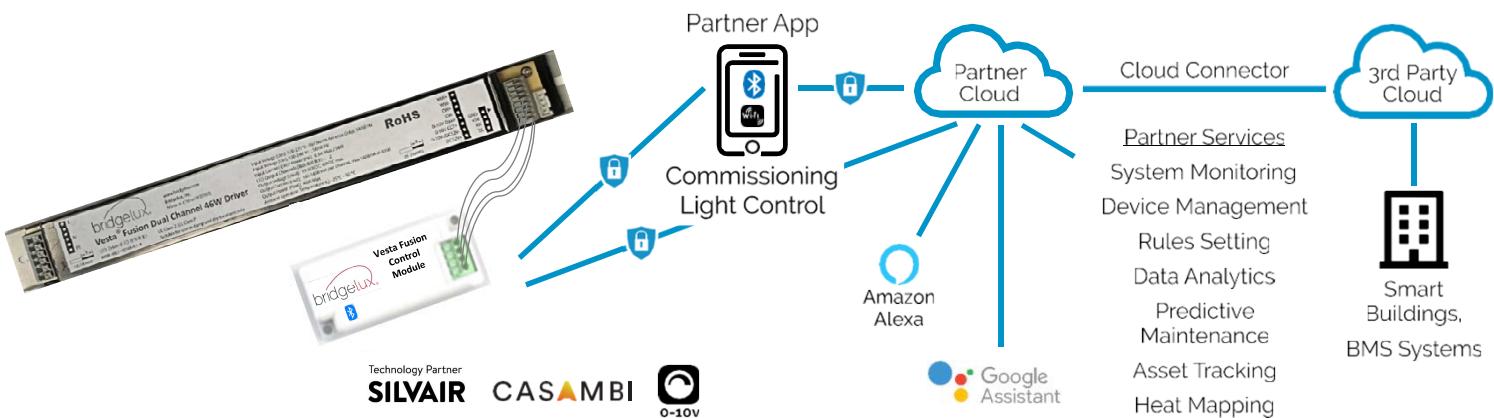
Vesta Fusion Drivers

Parameter	Specification	
Power	23W / 46W linear	
Input	120 / 277VAC	
Outputs	Dual channels	
Output current	70 - 700mA	140 - 1400mA
Output Voltage	16-42VDC	20-50VDC
Control Port	0 - 10V	
Ambient Temperature	-25°C to +50°C	

Vesta Fusion Control Modules

Parameter	Specification		
Control Options	Casambi	Silvair	Analog (Built-in)
Communication Protocol	BLE Mesh	BLE Mesh	0-10V
Control Port, Input Power	0 - 10V		
Ambient Temperature	-20°C to +45°C		

Vesta Fusion Platform



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Vesta® Fusion

Features & Benefits

Dual Channel Driver



Part Number: BXDR-23LT-U207A-01-A
280mm x 30mm x 21mm (Linear)



Part Number: BXDR-46LT-U214A-01-A
280mm x 30mm x 21mm (Linear)

- Smooth, flicker free CCT tuning and dimming to 0.1% with dim-to-off
- Programmable dimming curves, independent maximum output current (per channel), Logical CCT Range setting
- Built-in over-voltage, over-temperature and short circuit protection
- Driver auto detects control module and adjusts behavior accordingly
- 88% efficiency at full load
- Flicker free per IEEE P1789, CEC Title 24, NEMA 77-2017



CASAMBI BLE Control



Part Number: BXCS-12C-N2A-01-A
75mm x 32mm x 20mm (L x W x H)

- Connect lighting fixtures to an intelligent non-flooding BLE mesh network
- Commission and manage lighting fixtures via iOS and Android apps or web portal
- Interoperates with beacons and sensors via BLE
- Large ecosystem of compatible sensors, switches, gateways, 3rd party clouds
- Cloud services such as system monitoring, device management, predictive maintenance, asset tracking, data analytics



SILVAIR BLE Control



Part Number: BXCS-12S-N2A-01-A
75mm x 32mm x 20mm (L x W x H)

- Connect lighting fixtures to an intelligent non-flooding BLE mesh network
- Commission and manage lighting fixtures via iOS and Android apps or web portal
- Interoperates with beacons and sensors via BLE
- Large ecosystem of compatible sensors, switches, gateways, 3rd party clouds
- Cloud services such as system monitoring, device management, predictive maintenance, asset tracking, data analytics

