

Vesta® Flex

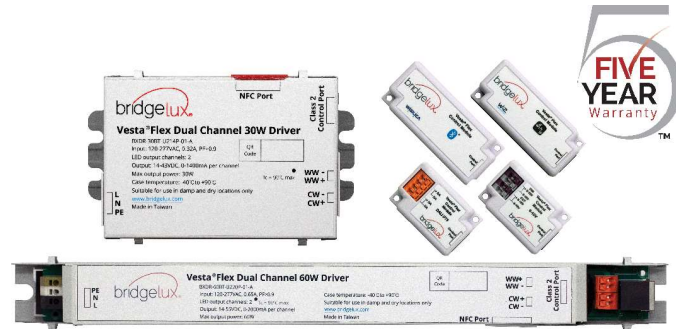


Bridgelux Differentiation

- 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 Flex?

- A family of tunable white LED drivers with wired and wireless control modules, connected via standard RJ45
- Multiple interoperable plug-and-play control options that are customizable to meet the needs of lighting projects
- Compatible with Wi-Fi, Bluetooth, DALI2, 0-10V controls
- Optimized to work with Vesta Series tunable white sources
- Driver and control module are decoupled enabling SKU reduction and inventory optimization



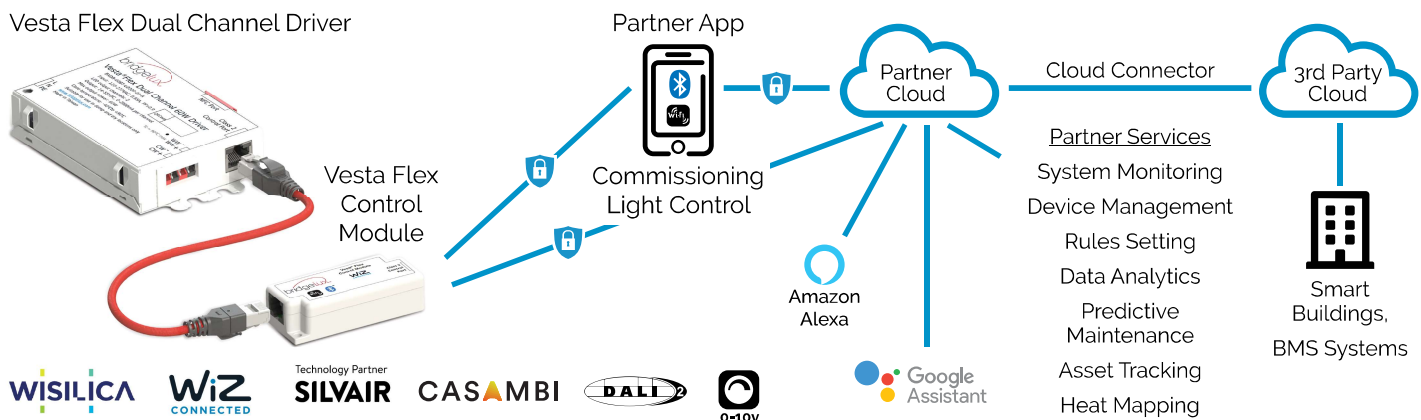
Vesta Flex Drivers

Parameter	Specification	
Power	30W brick	60W brick & linear
Input	120-277VAC	
Outputs	2 independent channels	
Output current	100 - 1400mA	200 - 2000mA
Output Voltage	14-43VDC	14-54VDC
Control Port	RJ45	
Case Temperature	-40°C to +90°C	

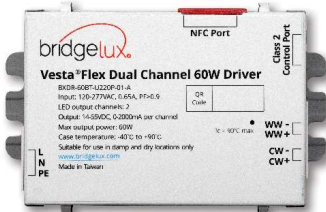
Vesta Flex Control Modules

Parameter	Specification				
Control Options	WiSilica Casambi Silvair	WiZ	DT8	Analog	
Communication Protocol	BLE-Mesh	Wi-Fi & BLE	DALI2	0-10V	
Control Port, Input Power	RJ45				
Ambient Temperature	-20°C to +45°C				

Vesta Flex Platform



Dual Channel Driver



Part Number: BXDR-x0xT-U2xxP-01-A
130mm x 77mm x 30mm (Brick)
320mm x 32mm x 28mm (Linear)

WISILICA BLE Control



Part Number: BXCS-12W-N2P-01-A
75mm x 32mm x 20mm (L x W x H)

WiZ Wi-Fi Control



Part Number: BXCS-12Z-N2P-x1-A
75mm x 32mm x 20mm (L x W x H)

DALI2 DT8 Control



Part Number: BXCS-12D-N2P-01-A
50mm x 32mm x 20mm (L x W x H)

0-10V Control



Part Number: BXCS-12A-N2P-01-A
50mm x 32mm x 20mm (L x W x H)

Features & Benefits

- Smooth, flicker free CCT tuning and dimming to 0.1% with dim-to-off
- High resolution linear, square and logarithmic dimming curves to match preference and industry controls standards
- NFC programmable dimming curves and maximum output currents
- 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



- 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



- Connect lighting fixture to the internet via Wi-Fi; no hub needed
- Interoperates with sensors via BLE
- Commission and manage lighting fixtures via iOS and Android apps or web portal
- Large ecosystem of compatible sensors, switches, gateways, cloud platform
- Cloud services such as system monitoring, device management, predictive maintenance, asset tracking, data analytics



- DALI2 DT8 certified
- Two channel control of color temperature and intensity
- Compatible with industry standard DALI2 DT8 devices
- Commission and manage lighting fixtures via any DALI2 certified controller



- 0-10V control protocol
- Two channel control of color temperature and intensity
- Compatible with industry standard 0-10V current sourcing or 1-10V current sinking wired control devices
- Dim to off hysteresis with turn off at 0.6V and turn on at 0.8V

