Vesta® Flex

bridgelux®
Bridging Light and Life ™

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 dual channel 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, DALI, 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 Driver

Parameter	Specification	
Size Options	30W brick	60W brick & linear
Input	120-277VAC	
Outputs	2 independent channels	
Output current	1400mA (max)	2000mA (max)
Output Voltage	14-43VDC	14-57VDC
Control Port	RJ45	
Case Temperature	-40°C to +90°C	

Vesta Flex Control Modules

Parameter	Specification			
Control Options	BLE-Mesh	Wi-Fi & BLE	DALI	0-10V
Communication Protocol	WiSilica	WiZ	DT8	Analog
Output Terminal	RJ45			
Input Power	RJ45			
Ambient Temperature	-20°C to +45°C			

Product	Part Number
30W Brick Driver	BXDR-30BT-U214P-01-A
60W Brick Driver	BXDR-60BT-U220P-01-A
60W Linear Driver	BXDR-60LT-U220P-01-A
WiSilica Enabled BLE Control	BXCS-12B-N2P-01-A
WiZ Enabled Wi-Fi Control	BXCS-12W-N2P-01-A
DALI DT8 Control	BXCS-12D-N2P-01-A
0-10V Control	BXCS-12A-N2P-01-A

Bluetooth®

DALI 2

Wi-Fi

0-10V

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For more information
bridgelux.com/products/vesta-flex
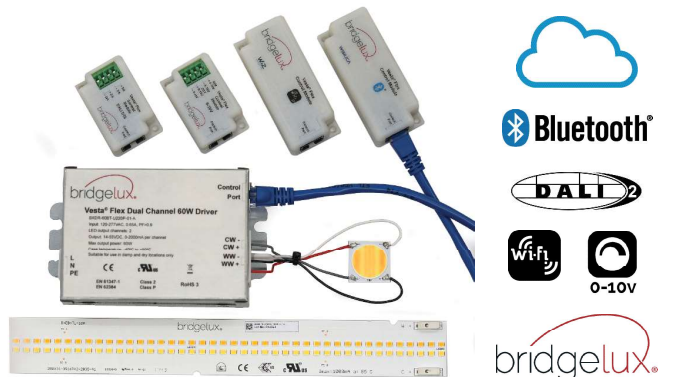
Dual Channel Driver

130mm x 77mm x 30mm (Brick)
320mm x 32mm x 28mm (Linear)

WiSilica Enabled BLE Control

75mm x 32mm x 20mm (L x W x H)

WiZ Enabled Wi-Fi Control

75mm x 32mm x 20mm (L x W x H)

DALI DT8 Control

50mm x 32mm x 20mm (L x W x H)

0-10V Control

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 overvoltage, over-temperature and short circuit protection
- Driver auto detects control module and adjusts behaviour accordingly
- 88% efficiency at full load
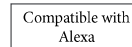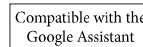- Flicker free, per IEEE P1789, CEC Title 24

CE   cULus   Class 2   Class P   EN 62384   EN 61347-1

- Connect lighting fixtures to an intelligent non-flooding BLE mesh network
- Commission and manage lighting fixtures via iOS and Android apps
- Interoperates with beacons and sensors via BLE
- Large ecosystem of compatible sensors, switches, gateways, cloud platform
- Enabled by WISILICA

Download on the App Store   GET IT ON Google Play   Compatible with the Google Assistant   Compatible with Alexa

- Connect lighting fixture to the internet via Wi-Fi; no hub needed
- Interoperates with sensors via BLE
- Configure, maintain and monitor lighting fixtures via iOS and Android apps
- Large ecosystem of compatible sensors, switches, gateways, cloud platform
- Enabled by WiZ CONNECTED

Download on the App Store   GET IT ON Google Play   works with the Google Assistant   WORKS WITH alexa   Works with Siri Shortcuts   Works with IFTTT

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

- 0-10V control protocol
- Two channel control of color temperature and intensity
- Compatible with industry standard 0-10V current sourcing or current sinking wired control devices