

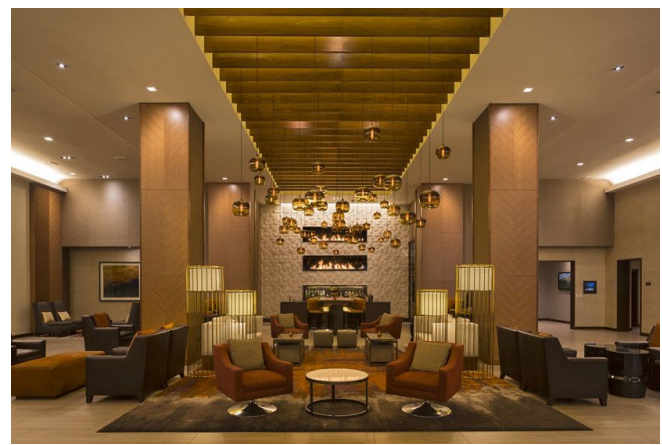
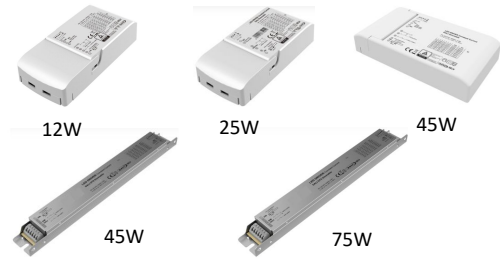
# Vesta-D

## 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

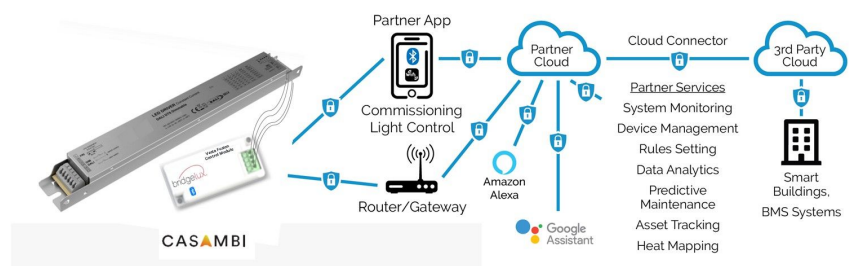
## What is Vesta-D?

- A family of tunable white Constant Current LED drivers with deep and smooth dimming performance via DALI-2 standard
- Brick and linear form factor best fit for various lighting applications
- Various power options (12W to 75W) to cover different applications
- DIP-Switches configurable output currents aimed for maximized flexibility and ease of use
- Flicker free per IEEE P1789, EU2019/2020 (ErP)
- Built-in over-voltage, over-temperature and short circuit protection



| Vesta-D Drivers Parameters        | BXDR-PS-12BS-E205D-01-A                     | BXDR-PS-25BS-E207D-01-A             | BXDR-PS-45BS-E210D-01-A          | BXDR-MS-45LT-E210D-01-A          | BXDR-MS-75LT-E216D-01-A                |
|-----------------------------------|---|-------------------------------------|----------------------------------|----------------------------------|--|
| Power                             | 12W   | 25W                                 | 45W                              | 45W                              | 75W                                    |
| Inputs (AC/DC)                    | 220-240Vac<br>176-370Vdc                    | 220-240Vac<br>176-370Vdc            | 220-240Vac<br>176-370Vdc         | 220-240Vac<br>176-370Vdc         | 220-240Vac<br>176-370Vdc               |
| Output Current (mA) (8 / 9 steps) | 150/180/230/<br>260/300/350/400/<br>450/500 | 260/350/400/450/<br>500/550/600/700 | 350/500/600/700/<br>800/900/1050 | 350/500/600/700/<br>800/900/1050 | 1050/1150/<br>1200/1300/1400/1500/1600 |
| Output Voltage                    | 10 - 50V                                    | 10 - 50V                            | 10 - 50V                         | 10 - 50V                         | 10 - 50V                               |
| Efficiency (@ Full Load)          | >79%  | >83%                                | >87%                             | >87%                             | >89%                                   |
| Dimming Control                   | DALI-2 (DT8)                                | DALI-2 (DT8)                        | DALI-2 (DT8)                     | DALI-2 (DT8)                     | DALI-2 (DT8)                           |
| Ambient Temperature               | -20°C to +50°C                              | -20°C to +50°C                      | -20°C to +50°C                   | -20°C to +50°C                   | -20°C to +50°C                         |
| Connection                        | Terminal Blocks                             | Terminal Blocks                     | Terminal Blocks                  | Terminal Blocks                  | Terminal Blocks                        |
| Dimensions (mm)                   | 119 x 52 x 22.5<br>(Strain Relief)          | 124 x 64 x 22.5<br>(Strain Relief)  | 135 x 72 x 24<br>(Strain Relief) | 280 x 31.5 x 22                  | 380 x 31 x 21                          |

## Vesta-D Wireless Platform (Upcoming)



## CASAMBI BLE Control



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



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