

### Casambi HD series CC Driver

| Model                    | HDN20CB (-B/-E)                                                                   | HDL35CB (-B/-E)                                                                    | HDC50CB (-B/-E)                                                                     |
|--------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Function                 | Full programmable 20W single color / CCT constant current LED driver              | Full programmable 35W single color / CCT constant current LED driver               | Full programmable 50W single color / CCT constant current LED driver                |
| Photo                    |  |  |  |
| Electrical Specification |                                                                                   |                                                                                    |                                                                                     |
| Working Voltage          | AC 180-240V                                                                       |                                                                                    |                                                                                     |
| Rated Output Power       | 0-20W                                                                             | 0-35W                                                                              | 0-50W                                                                               |
| Output Channel           | Single color (with suffix -E) / Single color & CCT variable (with suffix -B)      |                                                                                    |                                                                                     |
| Output Voltage           | 0-50V                                                                             | 0-50V                                                                              |                                                                                     |
| Rated Output Current     | 200-1050mA, set from app                                                          | 200-1400mA, set from app                                                           |                                                                                     |
| Dimming Method           | 0-100% DC dimming                                                                 |                                                                                    |                                                                                     |
| Power Factor             | >0.9 at rated power                                                               |                                                                                    |                                                                                     |
| Efficiency               | >85% @ full load                                                                  |                                                                                    |                                                                                     |
| Standby Power            | <0.5W                                                                             |                                                                                    |                                                                                     |
| Control Method           | CASAMBI protocol (based on bluetooth low energy)                                  |                                                                                    |                                                                                     |
| App Support              | CASAMBI App on iOS and Android platform                                           |                                                                                    |                                                                                     |
| Wireless Band            | 2.4GHz ISM band                                                                   |                                                                                    |                                                                                     |
| Wireless Transmit Power  | <8dBm                                                                             |                                                                                    |                                                                                     |
| Wireless Distance        | >20 meters at open area                                                           |                                                                                    |                                                                                     |
| Working Temperature (ta) | -25 - +50℃                                                                        |                                                                                    |                                                                                     |
| Case Temperature (tc)    | Max +90℃                                                                          |                                                                                    |                                                                                     |
| Functions                |                                                                                   |                                                                                    |                                                                                     |
| Model profile            | Single color / CCT model, output current configurable from app                    |                                                                                    |                                                                                     |
| Smartphone Control       | On/off, dimming, group features, via app                                          |                                                                                    |                                                                                     |
| Gradient speed           | 0-25.5 seconds configurable from app                                              |                                                                                    |                                                                                     |
| Output Current Trimming  | 100% to 50%, configurable from app                                                |                                                                                    |                                                                                     |
| Dimming Curve            | Linear, Logarithm, Optimized Logarithm                                            |                                                                                    |                                                                                     |
| Dimension & Weight       |                                                                                   |                                                                                    |                                                                                     |
| Dimension                | WHL: 31.5x24x125mm                                                                | WHL: 41x30x150mm                                                                   | 130x67x30mm                                                                         |
| Net Weight               | 76g                                                                               | 125g                                                                               | 165g                                                                                |