# Bluetooth LED Dimmer

## Zigbee smart wireless controller

### Electrical Characteristics

- Ta = 25°C
- 11-26VDC input
- standard reference load; unless otherwise specified

### Input Parameters

| | | |
|---|---|---|
| Rated Input Voltage | Uin | 11-26 VDC |
| Maximum Input Current | Iin | 3 A |
| Maximum Input Power | Pin | 72 W |
| THD(Full load) | | |

### Output Parameters

| | | |
|---|---|---|
| Output Voltage | Vout | 11-26 VDC |
| Maximum Output Current | | 3 A |
| Maximum Output Power (Full load) | Pout | 72 W |

### Ambient

| | | |
|---|---|---|
| Storage Temperature | ts | -20°C …+ 70°C |
| Operating Ambient Temperature | ta | -20°C …+50°C |
| Case Temperature at tc Point | tc | 70°C |

### Wireless

| | | |
|---|---|---|
| Wireless Mode | | Zigbee |
| Wireless Frequency | | 2.4GHZ |
| Wireless standard | | IEEE 802.15.4 |
| Max. Communication Distance | | 25m |

### Protection

| | | |
|---|---|---|
| Over Load | | --- |
| Over Temperature | | 85°C – 95°C |
| Short Circuit | | --- |

### System Parameters

| | | |
|---|---|---|
| Dimming Range | | 5% ~ 100% |
| Color temperature range | | --- |
| Color range | | Panchromatic domain |
| Noise (5cm distance) | | Sound Pressure Level < 25dB |
| Strobiscopic degrees | | |



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### Reliability Data

| | | |
|---|---|---|
| Lifetime | | 50,000 hours at case temp. tc= +80°C & full load. |
| MTBF | | 500 khours at +50°C ambient temperature, Telcordia SR-332. |
| Warranty life | | 5 years at +50°C ambient temperature. |

### Compliances and approvals

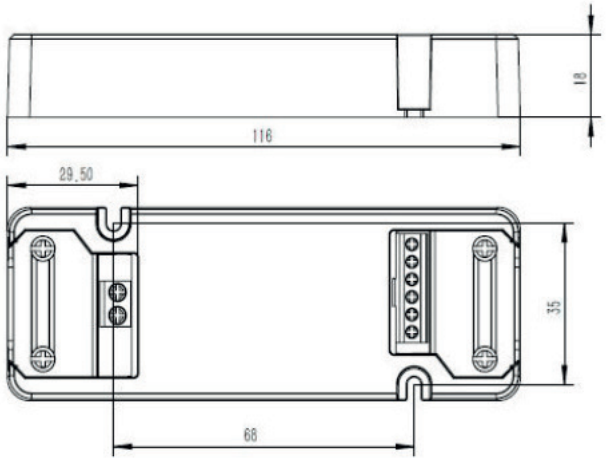
| | | |
|---|---|---|
| Safety | | EN60669-1,EN60669-2-1 |
| EMC/EMF | | EN 55015,EN 61000-3-2, EN 61000-3-3, EN 61547 |
| CE RED | | EN 300328,EN 301489-1, EN 301489-17,EN 62311 |
| Immunity | | --- |

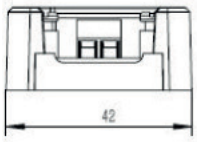
### Note

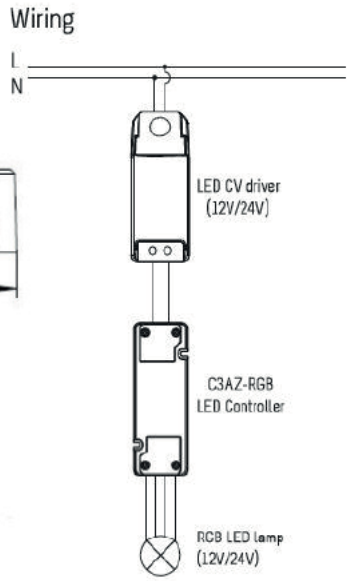
1 Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
2. Expected Life:tc=80°C ,0.2%/1000h failure rate

### Physical Parameter

Dimensions(LxWxH) 116x42x18mm
Housing Material:PC Plastic
Captured Terminal Screw for 0.75~1.5mm2



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