

Description:

EFC-15D series, No 100/120Hz flicker; long-life LED Driver with Rubycon long life capacitors, long life, high efficiency, high power factor, compatible with TRIAC dimming, no flicker, instant start, dimming can be simultaneously a large area. Meets IEC 61000-4-5 ringwave, IEC 61000-3-2 Class C harmonics and EN55015 B conducted EMI



1. No Visible Flicker - No Invisible or Imperceptible Flicker
2. High efficiency 85%, high power factor (> 0.95)
3. TRIAC dimmer compatible (including low cost leading edge type)
4. Protections: Short circuit / Overload / Over voltage / Over temperature
5. IP67 design for indoor or outdoor installations
6. 100% full load burn-in test
7. Suitable for LED lighting and LED sign applications
8. Compliance to worldwide safety regulations for lighting
9. 3 years warranty

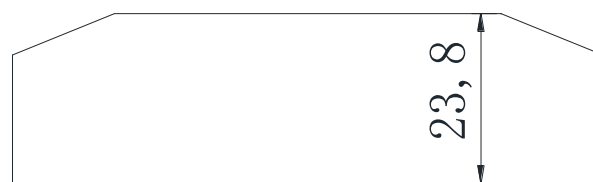
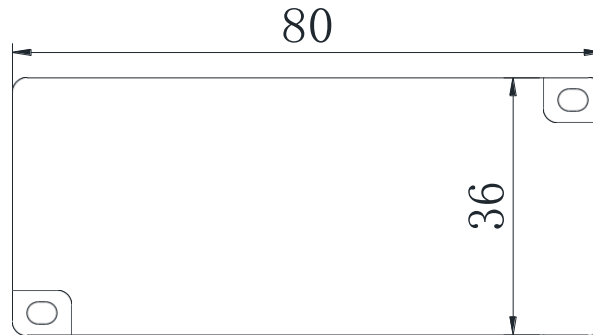
SPECIFICATION

| MODEL | | EFC-15D-1050 | EFC-15D-700 | EFC-15D-400 | EFC-15D-350 |
|--------------|-------------------------|---|-------------|-------------|-------------|
| OUTPUT | Rated current | 1050mA | 700mA | 400mA | 350mA |
| | Constant Current Region | 9~14V | 12~23V | 24~42V | 24~42V |
| | Current Accuracy | 5% | 5% | 5% | 5% |
| | Rated Power | 14.7W | 16.1W | 16.8W | 14.7W |
| | Setup time | <500 ms | | | |
| | Ripple & Noise | 0.5% Operating Voltage | | | |
| INPUT | Voltage range | 85~135VAC, 165~265VAC, | | | |
| | Power factor | PF> 0.95 at full load and rated output voltage | | | |
| | Max AC Current | 0.4A/100VAC 0.2A/230VAC | | | |
| | Frequency range | 47~65Hz | | | |
| | Efficiency (Typ.) | 80% | 82% | 82% | 85% |
| PROTECTION | Short Circuit | short circuit protection , Auto Recovery | | | |
| | Over Temperature | Maximum temperature of components inside the case | | | |
| | Over Voltage | 14.5~18V | 23.5~30V | 42.5~48V | 42.5~48V |
| ENVIRONMENT | Working TEMP | -25℃~50℃ | | | |
| | Storage TEMP. | -40℃~80℃ 10 ~ 95% RH | | | |
| | Working Humidity | 20 ~ 95% RH non-condensing | | | |
| | Vibration | 10~500Hz 2G 10min/1cycle period for 60min. each along X, Y, Z axes | | | |
| | TEMP. coefficient | ±0.03%/℃ (0~50℃) | | | |
| SAFETY & EMC | Safety Standards | CE EN 61347-1, EN61347-2-13 Design refer to UL1310 Class 2, IP67 approved | | | |
| | WITHSTAND VOLTAGE | I/P-O/P:3.75KVAC | | | |
| | ISOLATION RESISTANCE | I/P-O/P:>100M Ohms / 500VDC / 25 / 70% RH | | | |
| | EMC EMISSION | Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3 | | | |
| | EMC IMMUNITY | Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A | | | |
| OTHER | MTBF | 600KHours MIL-HDBK-217F (25℃) | | | |
| | Dimension | 80x36x23.8mm | | | |
| | Weight | 110g | | | |

Direct connecting to LEDs is not using additional drivers is highly recommended

Before ordering, please confirm the sample.

Mechanical Specification

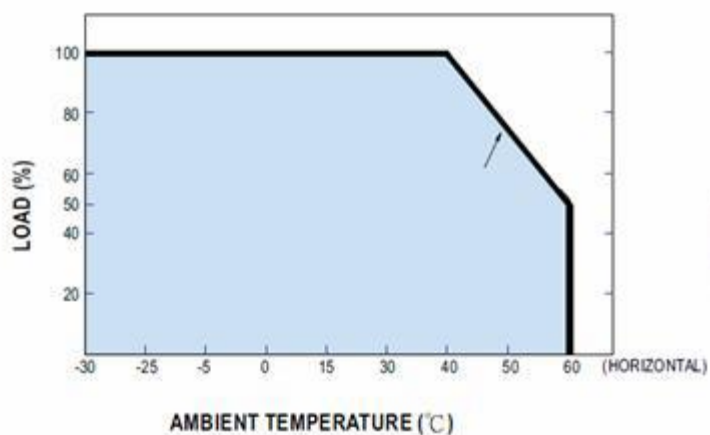


UNIT:mm

Dimmer Compatibility Chart:

| place of production/ Manufacturer | MODEL | place of production/ Manufacturer | MODEL |
|--------------------------------------|----------|--------------------------------------|--------------------------|
| Taiwan/ SG Electric | XH004186 | USA/ Leviton | OB4911 |
| Taiwan | D-2160B | USA / Lutron | GLR11-F38875 |
| Taiwan | Y-25082A | Italy | RTS34DLI |
| Taiwan | Y-25088A | China / CLIPMEI | |
| Taiwan | WS-5005 | China / MANK | MK/TG100001 |
| | | China / SB Electric | BM2 |
| | | China / TCL | L2.0 |
| | | China / Myongbo | |
| | | China / EBAHuang | |
| | | China / KBE | |
| | | LUTRON | SKYLARK SF-12P-277 |
| | | JUNG | Licht-Management 225 TMD |
| | | BERKER | Tronic-Drehdimmer 286710 |
| | | | |
| | | | |

Derating Curve



Static Characteristics

