

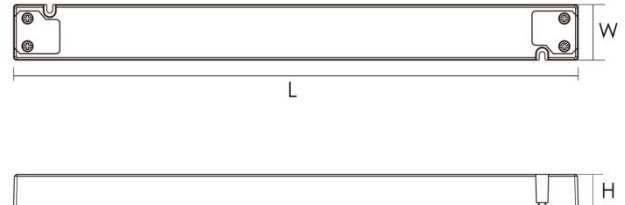


SWITCH TO BRIGHTER FUTURE

Product data sheet: LT-150-xx Series

Features

- Independent super slim design
- Analogue flicker-free
- Captured terminal screws
- Protections: opencircuit, shortcircuit, overload, overtemperature
- DC input compatible (176-250V DC)
- SELV equivalent
- Suitable for protection class I & class II luminaires
- Protection class II



Applications

- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

ENEC, CE, CB

Housing properties

- Housing material: plastic, white.
- Type of protection IP20

Electrical Specifications

| Type | | Unit | LT-150-12 | LT-150-24 | LT-150-48 |
|--------------------|------------------------------------|------|--|-----------|-----------|
| INPUT | Nominal voltage | V | 220 – 240 | | |
| | Nominal frequency | Hz | 50 / 60 | | |
| | AC voltage range | V | 198 – 264 | | |
| | DC voltage range | V | 176 - 250 | | |
| | Nominal current | A | 1.0 | | |
| | THD (Full load) | % | ≤ 15 | | |
| | Power factor(Full load) | | 0.95 | | |
| | Efficiency(Full load) | % | 92 | 93 | 93 |
| | Turn on time | ms | ≤ 500 | | |
| | No load | W | ≤ 0.5 | | |
| | Protection class | | II | | |
| | Inrush current(Cold start) | A pk | 60 (th = 300µs) | | |
| | Max.units per circuit breaker | | B10:2 B13:3 B16:4 B20:5 C10:6 C13:8 C16:9 C20:12 | | |
| OUTPUT | Nominal voltage range | V | 12 | 24 | 48 |
| | Maximum voltage(Open Circuit) | Vdc | ≤ 13 | ≤ 25 | ≤ 49 |
| | Nominal current | mA | 0-11 | 0-6.25 | 0-3.125 |
| | Voltage accuracy | % | +/- 5 | | |
| | Voltage ripple(≤120Hz) | % | ≤ 3 | | |
| | Pst LM | | ≤ 1 | | |
| | SVM | | ≤ 0.4 | | |
| | Nominal power range | W | 0 - 132 | 0-150 | |
| | Maximum power | W | 132 | 150 | |
| | Galvanic isolation | | SELV | | |
| ENVIRONMENT | Ambient temperature range ta | °C | -20 ...+45 | | |
| | Maximum case temperature tc | °C | 90 | 80 | |
| | Max. Case temp. In fault condition | °C | 110 | | |
| | Storage temperature range | °C | -20 ...+70 | | |
| | Relative humidity | % | 5 ... 85(Not condensing) | | |
| | Surge transient protection | kV | 2 (L/N acc to. EN 61547 Clause 5.7) | | |
| | Environmental rating | | Indoor | | |
| | IP rating | | IP 20 | | |
| | Mains switching cycles | | > 100,000 | | |
| | Expected lifetime | h | 50,000 (0.2% / 1'000 h failure rate) | | |

*All parameters NOT specially mentioned are measured at 230VAC input ,rated current and 25°C of ambient temperature

Protections

Over temperature

Yes

Overload

Yes

No load

Yes

Short-circuit

Yes

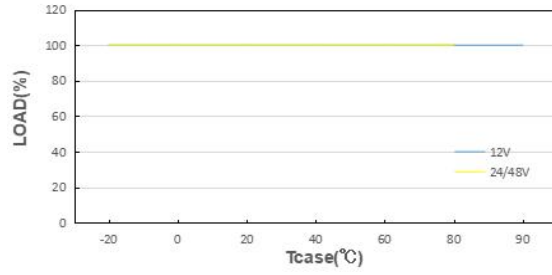
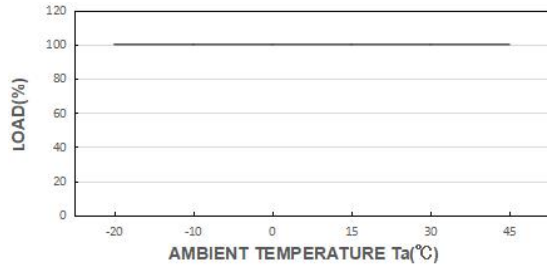
Input overvoltage

Maximum allowed input voltage 264VAC

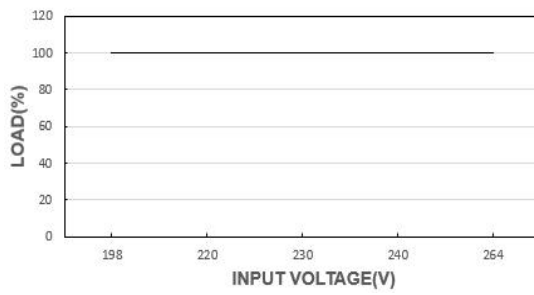
Output overvoltage

Yes

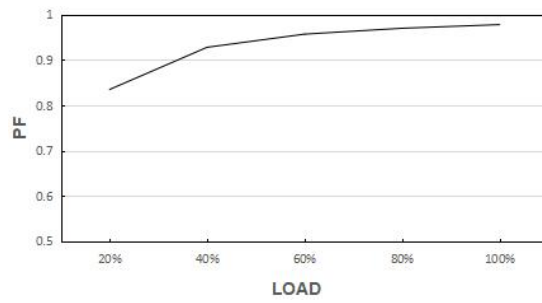
OUTPUT LOAD vs TEMPERATURE



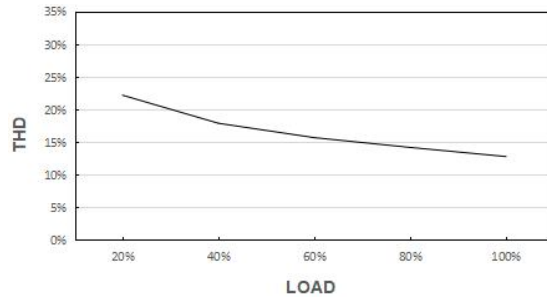
STATIC CHARACTERISTIC



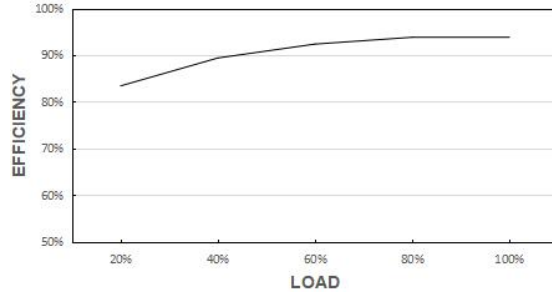
POWER FACTOR (PF) CHARACTERISTIC



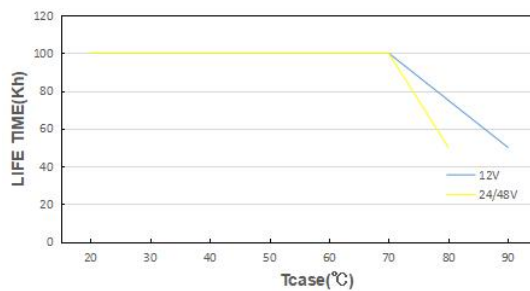
TOTAL HARMONIC DISTORTION (THD)



EFFICIENCY vs LOAD



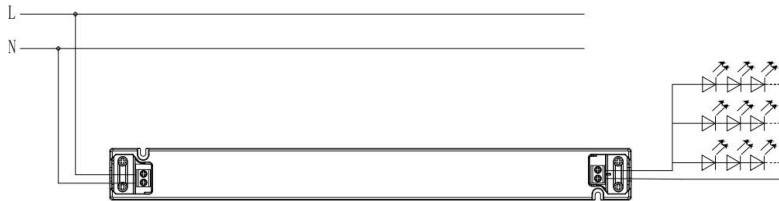
LIFE TIME



*The graph is for reference only, and the detailed values refer to the parameter table

Wiring Diagram

| | |
|-----------------------------|--------------------|
| Terminal: | Screw |
| Max. cable length - system: | 2 m |
| Dimensions(LxWxH): | 335 x 30 x 21.6 mm |
| Mounting hole spacing : | 296 x 24 mm |
| Weight: | 335 ± 20 g |



PRI

| | |
|----------------------|-----------|
| Cable cross-section: | 0.75-2.5□ |
| Stripping: | 6mm |

SEC

| | |
|----------------------|-----------|
| Cable cross-section: | 0.75-2.5□ |
| Stripping: | 6mm |

Hot plug-in or secondary switching of LEDs is not permitted and may cause a very high current to the LEDs.

Remarks

-Touch current: lower than 0.7 mA, according to EN 60598-1 annex. G and EN 61347-1 annex A

Standards

EN 61347-1
EN 61347-2-13
EN 62384
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61547
EN 60598-1
IEE1789
(EU) 2019/2020

Manufacturer's address:

No.4,Tongfu Road,Tong'an Industrial Center,Tong'an District,Xiamen,Fujian,China

www.actec.com