

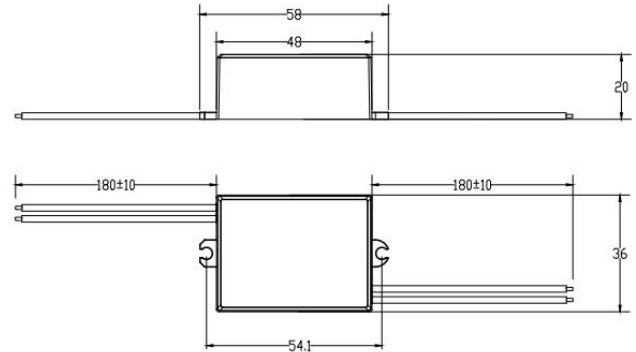
# TRONIX

## Product data sheet: 215-345



### Features

- Super compact design for built-in use
- Dimmable constant current driver
- Analogue flicker-free
- Dimming with trailing edge dimmer
- Smooth dimming compatible with most dimmer
- Dimming range 1...100%
- Primary and secondary sides come with leads
- Protections: opencircuit, shortcircuit, overload, over temperature
- Seal with glue, the operating temperature up to 60°C
- SELV equivalent
- Suitable for class I&II luminaires
- Protection class II



### Applications

- Office
- Shop
- Hospitality
- Public areas

### Approbations & Certifications

CE, CB

### Housing properties

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

## Electrical Specifications

| Type        |                                    | Unit | 215-345                                                         |
|-------------|------------------------------------|------|-----------------------------------------------------------------|
| INPUT       | Nominal voltage                    | V    | 220 – 240                                                       |
|             | Nominal frequency                  | Hz   | 50 / 60                                                         |
|             | AC voltage range                   | V    | 198 – 264                                                       |
|             | DC voltage range                   | V    | N/A                                                             |
|             | Nominal current                    | A    | 0.06                                                            |
|             | THD (Full load)                    | %    | ≤ 25                                                            |
|             | Power factor(Full load)            |      | 0.90C                                                           |
|             | Efficiency(Full load)              | %    | 72                                                              |
|             | Turn on time                       | ms   | ≤ 500                                                           |
|             | No load                            | W    | ≤ 0.5                                                           |
|             | Protection class                   |      | II                                                              |
|             | Inrush current(Cold start)         | A pk | 5 (th = 100 μs)                                                 |
|             | Max.units per circuit breaker      |      | B10:140 B13:182 B16:224 B20:280 C10:166 C13:216 C16:266 C20:333 |
|             |                                    |      |                                                                 |
| OUTPUT      | Nominal voltage range              | V    | 6 - 12                                                          |
|             | Maximum voltage(Open Circuit)      | Vdc  | ≤ 18                                                            |
|             | Nominal current                    | mA   | 700                                                             |
|             | Current accuracy                   | %    | +/- 5                                                           |
|             | Current ripple ≤120Hz              | %    | ≤ 10                                                            |
|             | Pst LM                             |      | ≤ 1                                                             |
|             | SVM                                |      | ≤ 0.4                                                           |
|             | Nominal power range                | W    | 4 – 8                                                           |
|             | Maximum power                      | W    | 8                                                               |
|             | Galvanic isolation                 |      | SELV                                                            |
| ENVIRONMENT | Ambient temperature range ta       | °C   | -20 ...+60                                                      |
|             | Maximum case temperature tc        | °C   | 90                                                              |
|             | Max. Case temp. In fault condition | °C   | 110                                                             |
|             | Storage temperature range          | °C   | -20 ...+70                                                      |
|             | Relative humidity                  | %    | 5 ... 85(Not condensing)                                        |
|             | Surge transient protection         | kV   | 0.5   1 (L/N   LN/PE 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

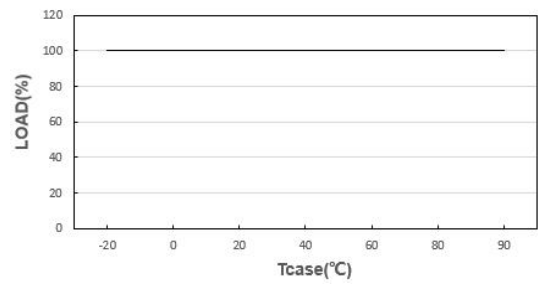
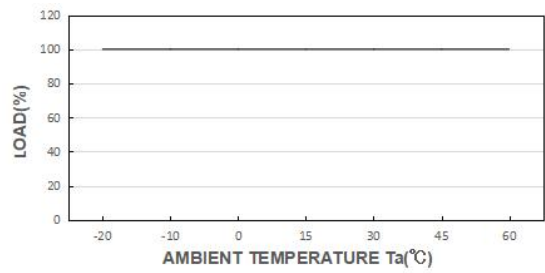
### Input overvoltage

Maximum allowed input voltage 264VAC

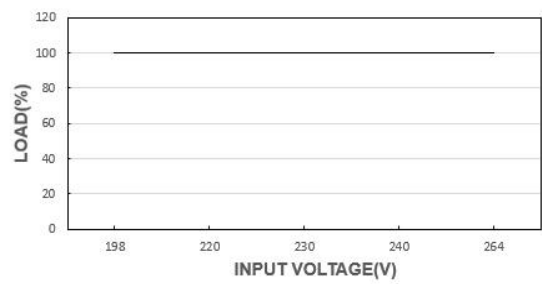
### Output overvoltage

Yes

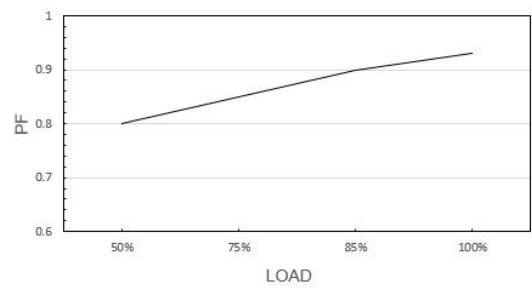
**OUTPUT LOAD vs TEMPERATURE**



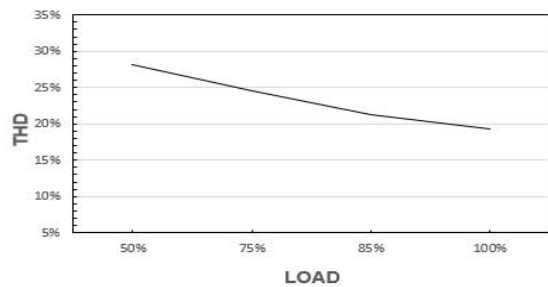
**STATIC CHARACTERISTIC**



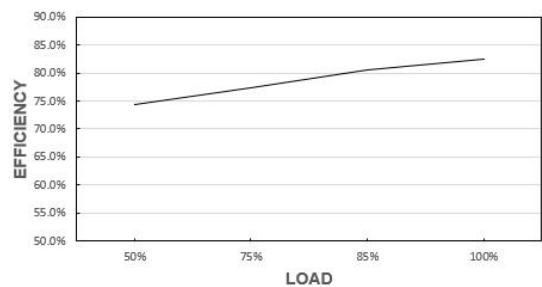
**POWER FACTOR (PF) CHARACTERISTIC**



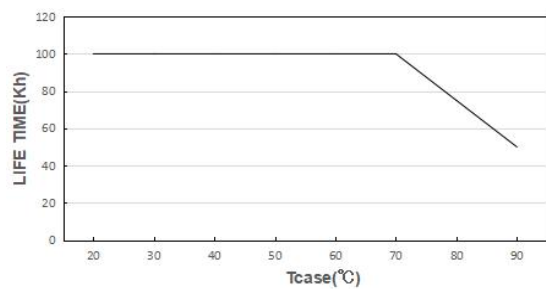
**TOTAL HARMONIC DISTORTION (THD)**



**EFFICIENCY vs LOAD**



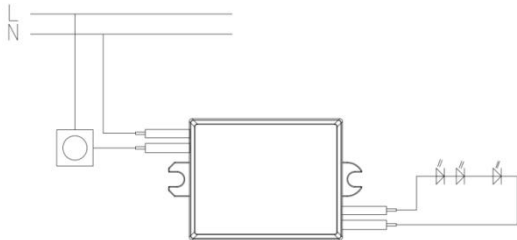
**LIFE TIME**



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

## Wiring Diagram

|                               |                |
|-------------------------------|----------------|
| Max. cable length-system:     | 2m             |
| Dimensions(LxWxH):            | 58 x 36 x 20mm |
| Mounting hole spacing, length | 54.1 mm        |
| Wire length                   | 180 mm         |
| Weight:                       | 65 ± 8 g       |



Input Wire: VDE 7726 0.5mm<sup>2</sup> Output Wire:UL 3266 20AWG

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 0.7mA, according to EN60598-1annex.G and EN61347-1annexA.

## 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  
EN 50581  
IEEE1789  
(EU) 2019/2020