

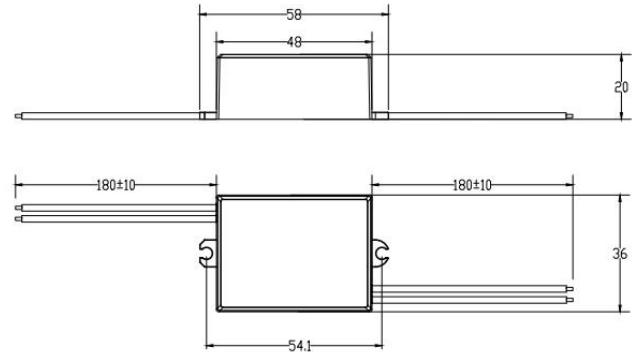
TRONIX

Product data sheet: 215-342



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	215-342
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)	%	80
	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	22 - 44
	Maximum voltage(Open Circuit)	Vdc	≤ 49
	Nominal current	mA	180
	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

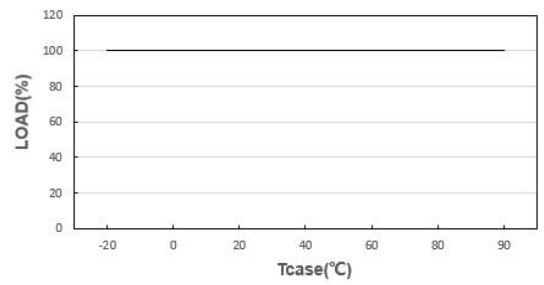
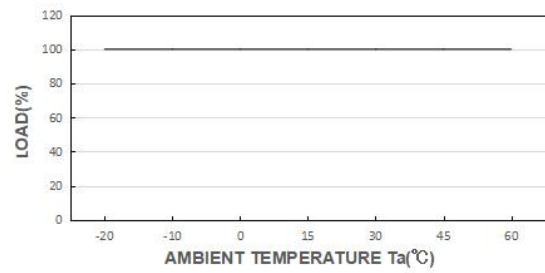
Input overvoltage

Maximum allowed input voltage 264VAC

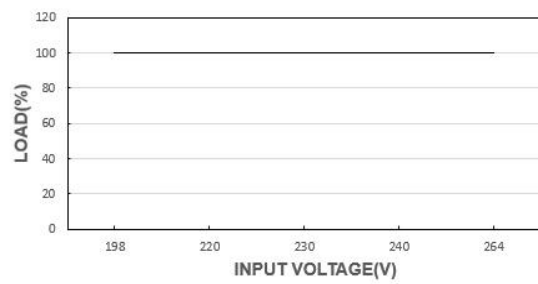
Output overvoltage

Yes

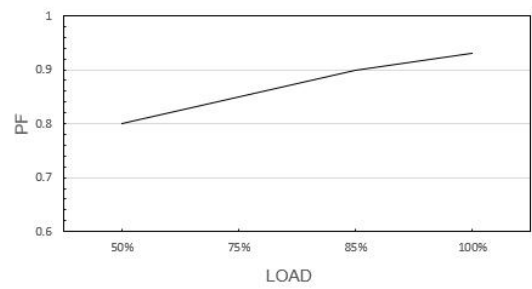
OUTPUT LOAD vs TEMPERATURE



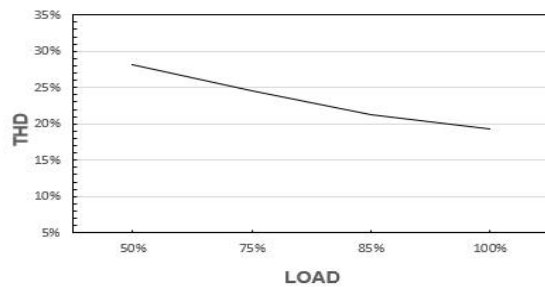
STATIC CHARACTERISTIC



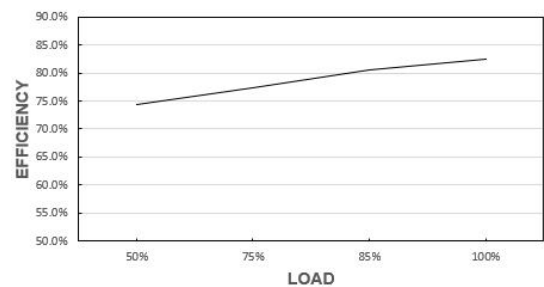
POWER FACTOR (PF) CHARACTERISTIC



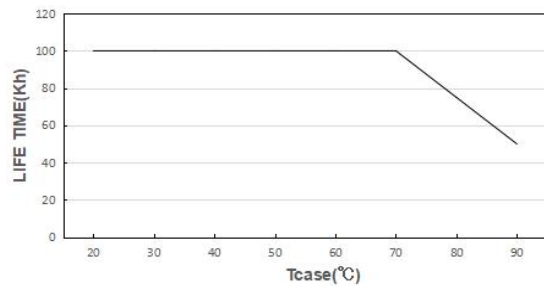
TOTAL HARMONIC DISTORTION (THD)



EFFICIENCY vs LOAD



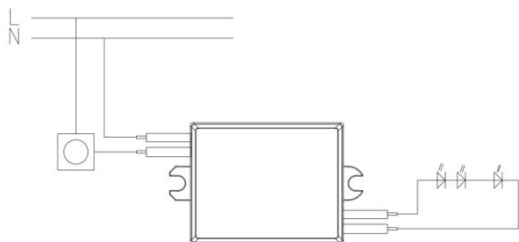
LIFE TIME



*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 0.5mm² 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