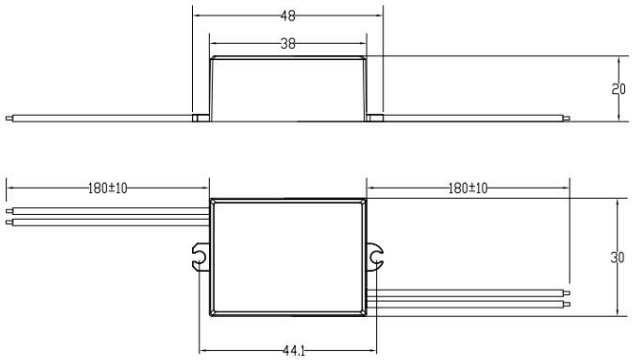
TRONIX

Product data sheet: 215-338

220-240 VAC | 176-250 VDC | DIM | Flicker Free | ta 60°C



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 10…100%
- Primary and secondary sides come with leads
- Protections: opencircuit, shortcircuit, overload, overtemperature
- Seal with glue, the operating temperature up to 60℃
- SELV equivalent
- Suitable for class I&II luminaires
- Protection class II

Applications

- Office
- Shop
- Hospitality
- Public areas

Approbations & Certifications

TUV, CE, CB

Housing properties

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

Electrical Specifications

	Type	Unit	215-338
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)	%	75
	Turn on time	ms	≤ 500
	No load	W	N/A
	Protection class		II
	Inrush current(Cold start)	A pk	5 (th = 100 µs)
	Max.units per circuit breaker		B10:140 B13:180 B16:224 B20:280 C10:166 C13:220 C16:266 C20:304
OUTPUT	Nominal voltage range	V	19 - 38
	Maximum voltage(Open Circuit)	Vdc	≤ 45
	Nominal current	mA	160
	Current accuracy	%	+/-8
	Current ripple ≤120Hz	%	≤ 10
	Pst LM		≤ 1
	SVM		≤ 0.4
	Nominal power range	W	3 – 6
	Maximum power	W	6
	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℃ of ambient temperature

Protections

Over temperature

Yes

Over load

Yes

No load

Yes

Short-circuit

Yes

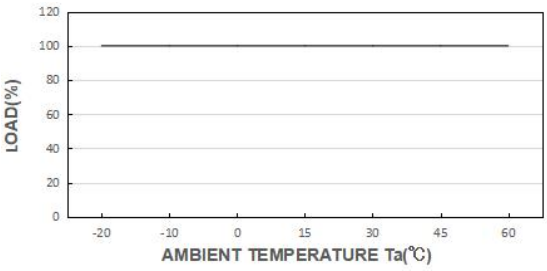
Input overvoltage

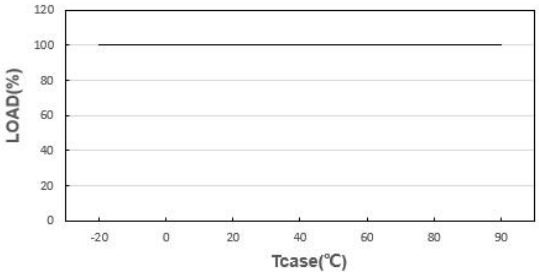
Maximum allowed input voltage 264V AC

Output overvoltage

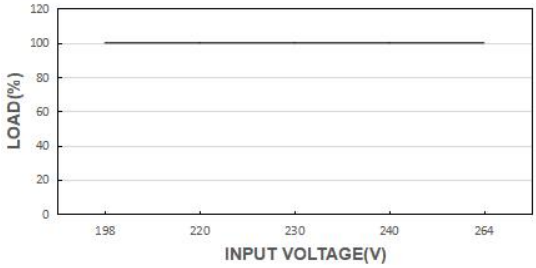
Yes

OUTPUT LOAD vs TEMPERATURE

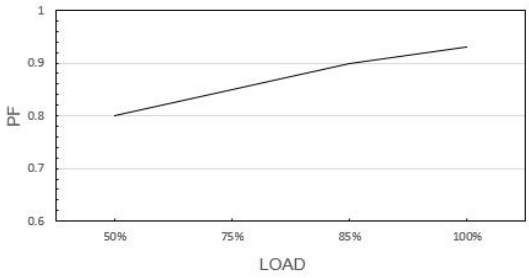




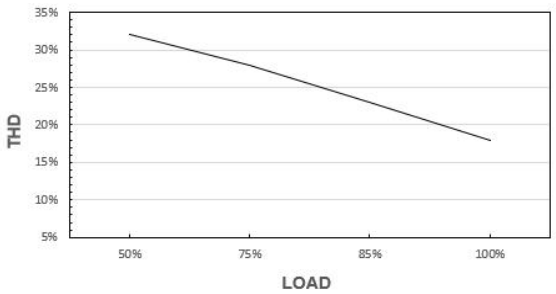
STATIC CHARACTERISTIC



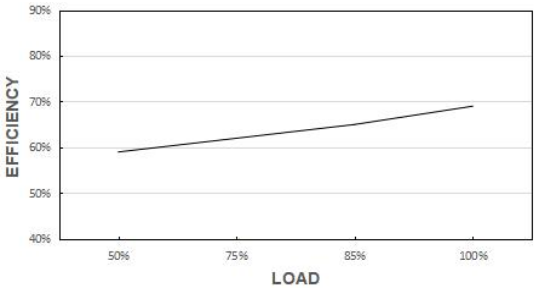
POWER FACTOR (PF) CHARACTERISTIC



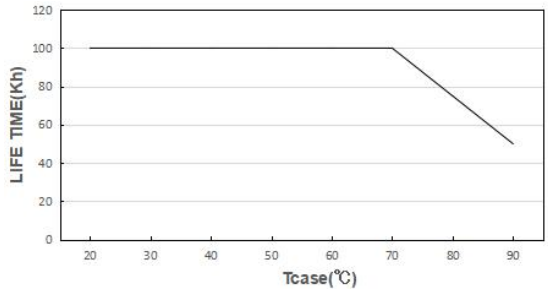
TOTAL HARMONIC DISTORTION (THD)



EFFICIENCY vs LOAD



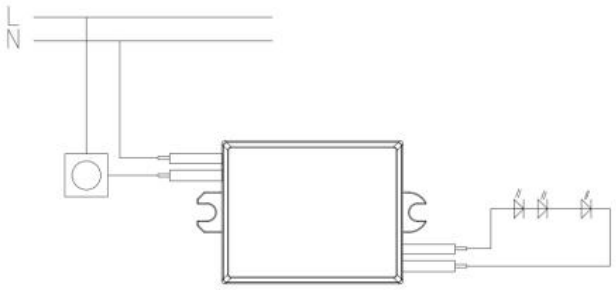
LIFE TIME



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

Wiring Diagram

Max. cable length - system:	2 m
Dimensions(LxWxH):	48 x 30 x 20 mm
Mounting hole spacing , length	44.1 mm
Wire length	180 ± 10mm
Weight:	45 ± 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 0.7 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
EN 50581
IEEE1789
(EU) 2019/2020