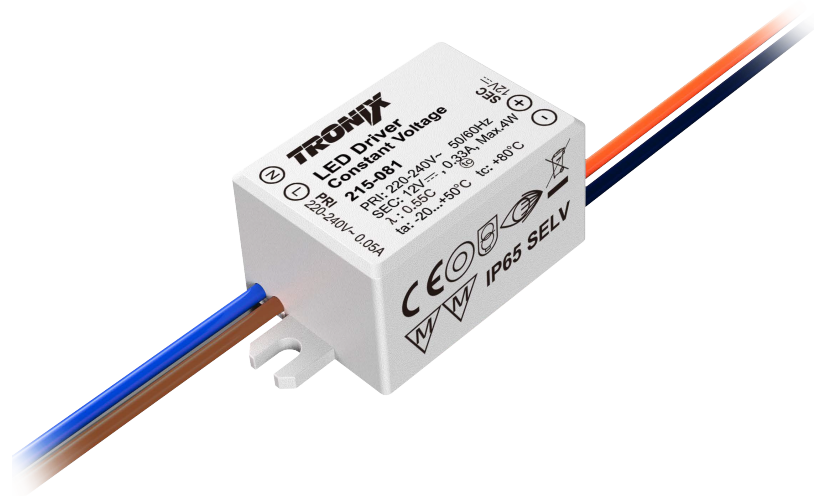


# TRONIX

## Product data sheet: 215-081

### Features

- Super compact design
- Analogue flicker-free
- Primary and secondary sides come with leads
- Protections: opencircuit, shortcircuit, overload, overtemperature
- SELV equivalent
- Driver for built-in use
- Suitable for protection class II luminaires
- Protection class II
- Nominal life-time up to 50,000 h
- 5-year guarantee



### Applications

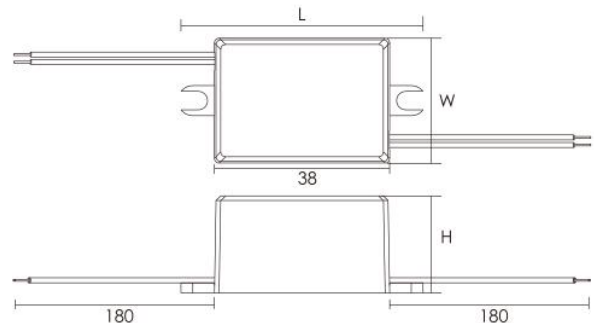
- Office
- Shop
- Hospitality
- Public areas

### Approbations & Certifications

CE, CB, TUV

### Housing properties

- Housing material: plastic, white.
- Type of protection IP65



## Electrical Specifications

Type		Unit	215-081
INPUT	Nominal voltage	V	220 – 240
	Nominal frequency	Hz	50 / 60
	AC voltage range	V	198 – 264
	DC voltage range	V	176 - 370
	Nominal current	A	0.05
	THD (Full load)	%	≤ 120
	Power factor (Full load)		0.55C
	Efficiency (Full load)	%	75
	Turn on time	ms	≤ 500
	NO load	W	≤ 0.5
	Protection class		II
	Inrush current(Cold start)	A pk	5 (th = 260 μs)
Max.units per circuit breaker		B10: 59 B16: 94 C10: 123 C16: 197	
OUTPUT	Nominal voltage	V	12
	Maximum voltage(Open Circuit)	Vdc	≤ 12.6
	Output current range	A	0-0.33
	Voltage accuracy	%	+/- 5
	Ripple & Noise	mV	500
	Pst LM		≤ 1
	SVM		≤ 0.4
	Nominal power range	W	0-4
	Maximum power	W	4
	Galvanic isolation		SELV
ENVIRONMENT	Ambient temperature range ta	°C	-20 ...+50
	Maximum case temperature tc	°C	80
	Max. Case temp. In fault contdition	°C	110
	Storage temperature range	°C	-20 ...+70
	Relative humidity	%	5 ... 85 (Not condensing)
	Surge transient protection	kV	1   1 (L/N   LN/PE acc to. EN 61547 Clause 5.7)
	Environmental rating		Indoor
	IP rating		IP 65
	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

#### Over load

Yes

#### No load

Yes

#### Short-circuit

Yes

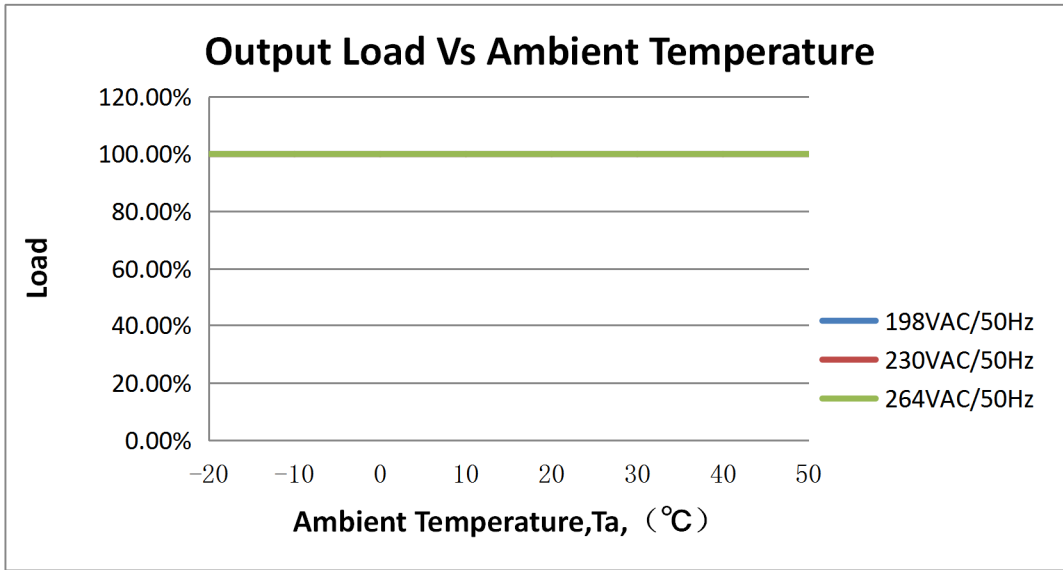
#### Input overvoltage

Maximum allowed input voltage 264V AC

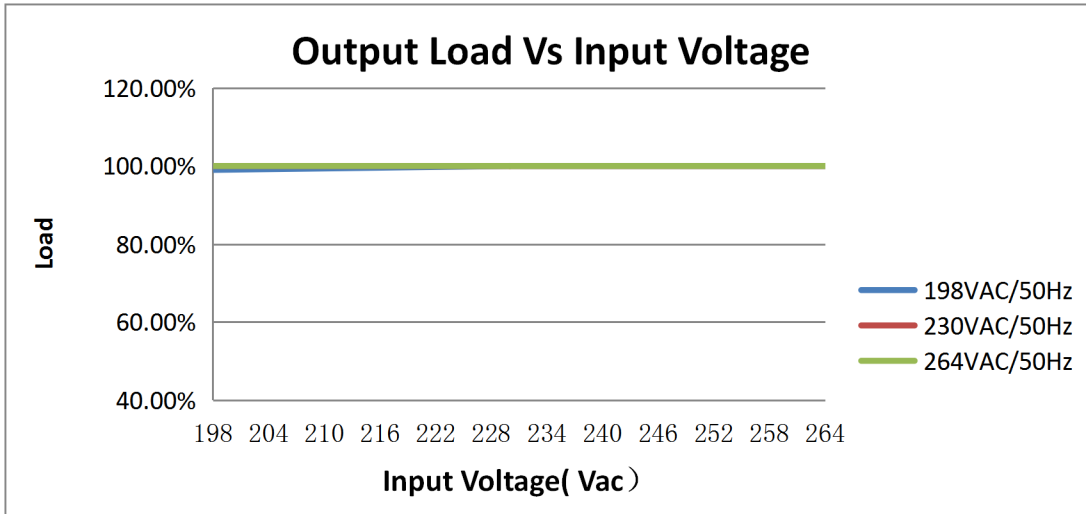
#### Output overcurrent

Yes

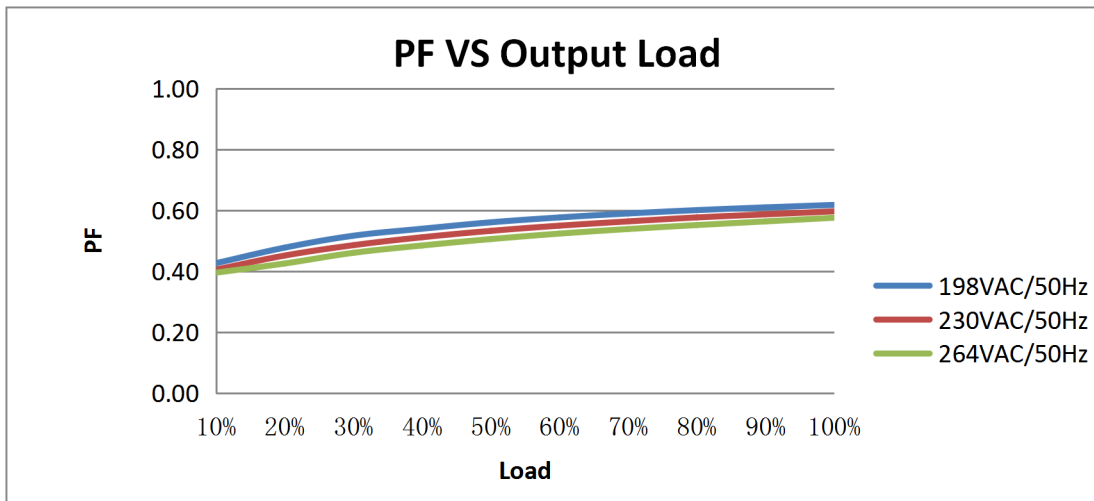
### OUTPUT LOAD vs TEMPERATURE



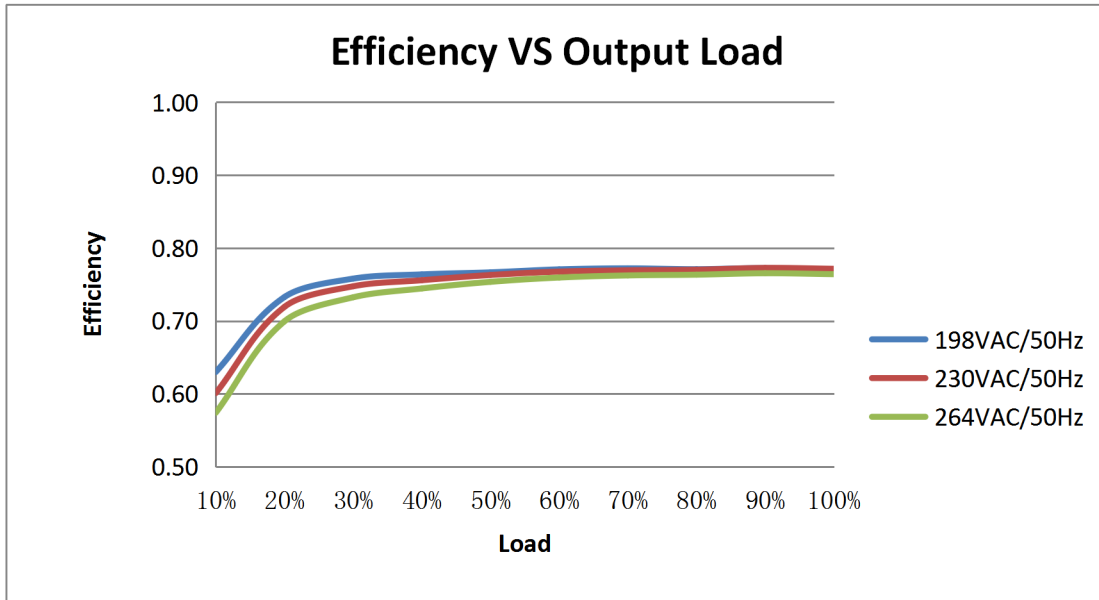
### STATIC CHARACTERISTIC



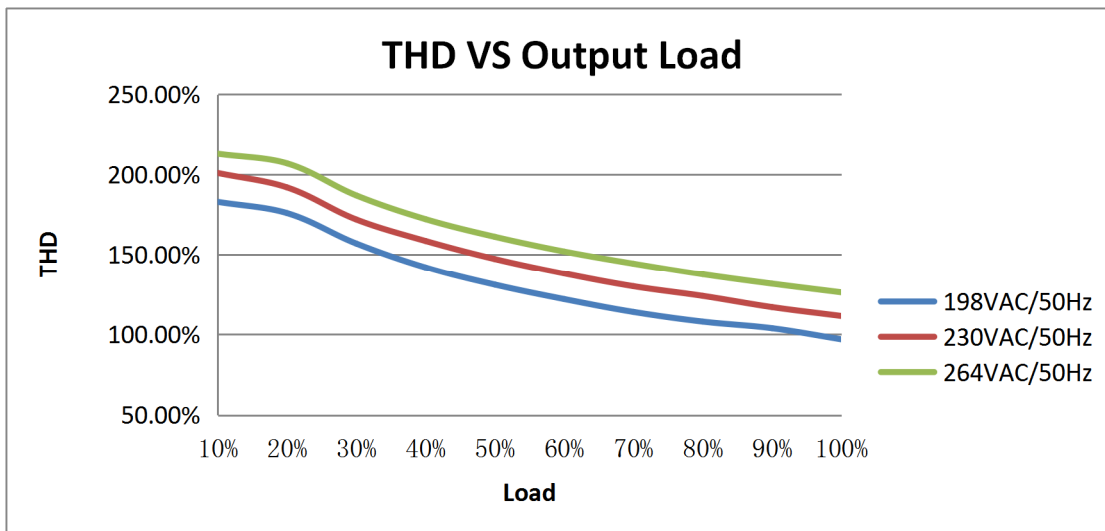
### POWER FACTOR (PF) CHARACTERISTIC



## EFFICIENCY vs LOAD



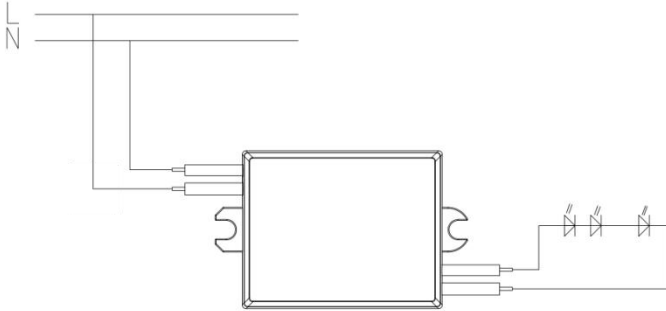
## TOTAL HARMONIC DISTORTION (THD)



\*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): 38 x 27 x 21 mm  
Weight: 45 g



Input Wire: VDE 7726 0.5mm<sup>2</sup> Output Wire: UL 1015 22AWG

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