

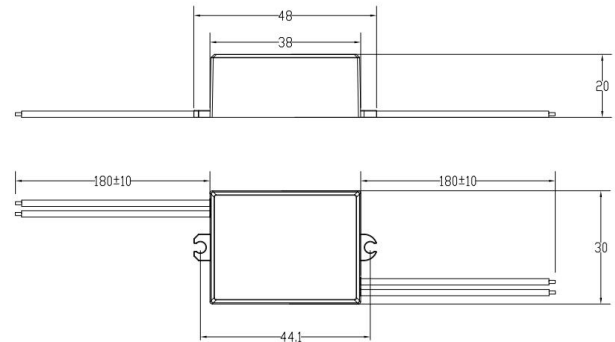


## SWITCH TO BRIGHTER FUTURE

### Product data sheet: MINI-4-xxxT Series

#### 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°C
- 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	MINI-4-100T	MINI-4-260T	MINI-4-350T	MINI-4-500T	MINI-4-700T	
<b>INPUT</b>	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	0.04					
	THD (Full load)	%	≤ 25					
	Power factor (Full load)		0.90C					
	Efficiency (Full load)	%	70	69	68	67	65	
	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 C10:250 C13:325 C16:400 C20:500					
<b>OUTPUT</b>	Nominal voltage range	V	21 - 42	8 - 16	6 - 12	4 - 8	2.5 - 6	
	Maximum voltage(Open Circuit)	Vdc	≤ 49	≤ 24	≤ 20	≤ 16	≤ 14	
	Nominal current	mA	100	260	350	500	700	
	Current accuracy	%	+/-12	+/-8	+/-8	+/-8	+/-8	
	Current ripple ≤120Hz	%	≤ 10					
	Pst LM		≤ 1					
	SVM		≤ 0.4					
	Nominal power range	W	2 – 4					
	Maximum power	W	4					
	Galvanic isolation		SELV					
<b>ENVIRONMENT</b>	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

**Over load**

Yes

**No load**

Yes

**Short-circuit**

Yes

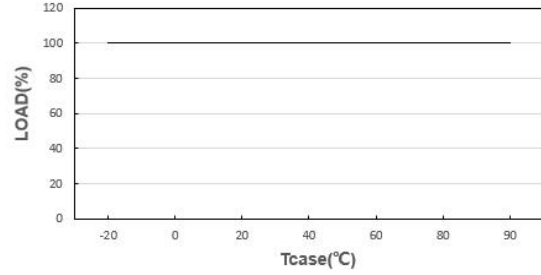
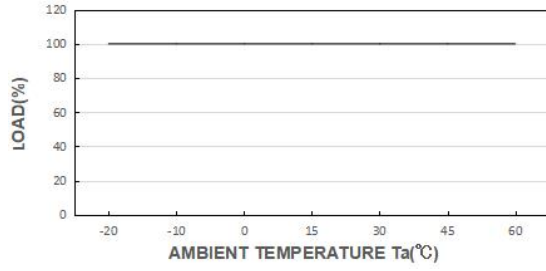
**Input overvoltage**

Maximum allowed input voltage 264V AC

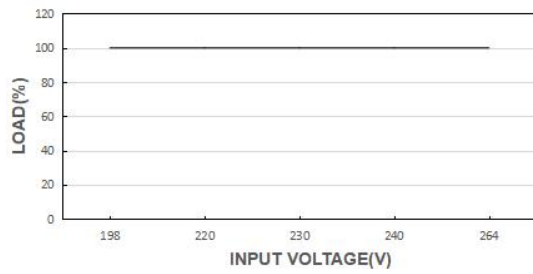
**Output overvoltage**

Yes

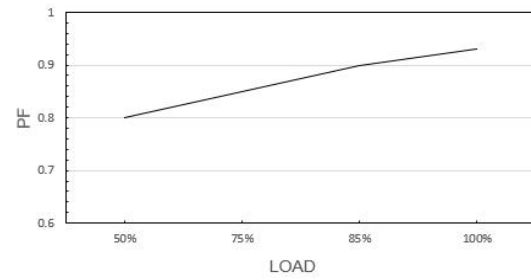
### OUTPUT LOAD vs TEMPERATURE



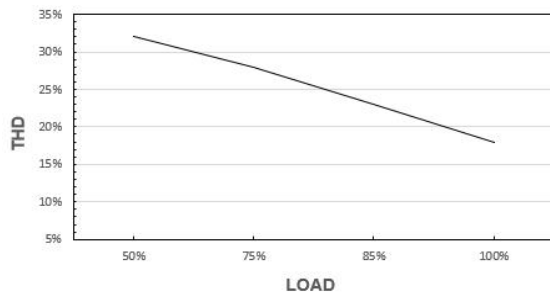
### STATIC CHARACTERISTIC



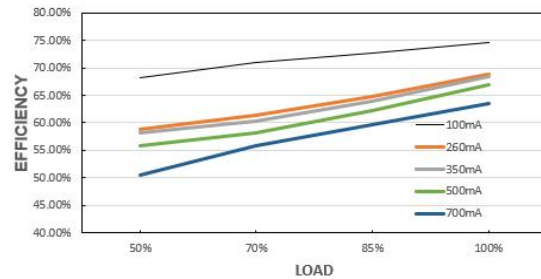
### POWER FACTOR (PF) CHARACTERISTIC



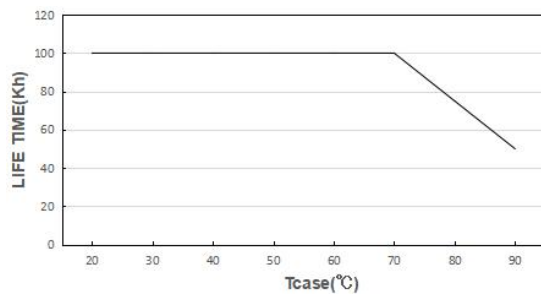
### TOTAL HARMONIC DISTORTION (THD)



### EFFICIENCY vs LOAD



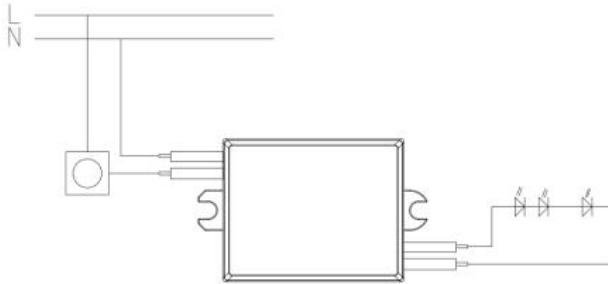
### LIFE TIME



\*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 0.5mm<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  
EN 50581  
IEE1789  
(EU) 2019/2020

## Manufacturer's address:

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[www.actec.com](http://www.actec.com)