

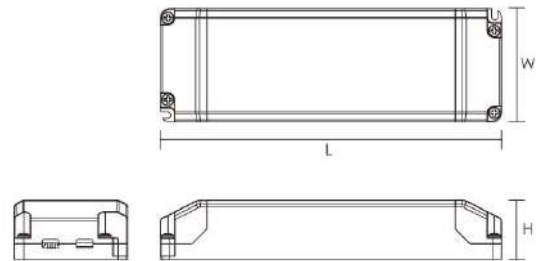
SWITCH TO BRIGHTER FUTURE



Product data sheet: D70030NTF

Features

- Independent design
- Dimmable constant current driver
- Analogue flicker-free
- Dimming with leading edge or trailing edge dimmer
- Smooth dimming compatible with most dimmer
- Dimming range 1...100%
- Captured terminal screws
- Protections: opencircuit, shortcircuit, overload, over temperature
- DC input compatible (176-250V DC)
- 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	D70030NTF
INPUT	Nominal voltage	V	220 – 240
	Nominal frequency	Hz	50 / 60
	AC voltage range	V	198 – 264
	DC voltage range	V	176 - 250
	Nominal current	A	0.19
	THD (Full load)	%	≤ 25
	Power factor(Full load)		0.95
	Efficiency(Full load)	%	84
	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		B10:50 B13:65 B16:80 B20:100 C10:50 B13:65 C16:80 C20:100
OUTPUT	Nominal voltage range	V	21 - 43
	Maximum voltage(Open Circuit)	Vdc	54
	Nominal current	mA	700
	Current accuracy	%	+/- 5
	Current ripple 100Hz	%	≤ 10
	Pst LM		≤ 1
	SVM		≤ 0.4
	Nominal power range	W	14.7 – 30
	Maximum power	W	30
	Galvanic isolation		SELV
ENVIRONMENT	Ambient temperature range ta	°C	-20 ...+45
	Maximum case temperature tc	°C	85
	Max. Case temp. In fault condition	°C	110
	Storage temperature range	°C	-20 ...+70
	Relative humidity	%	5 ... 85(Not condensing)
	Surge transient protection	kV	1 2 (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 (0.1% / 1'000 h failure rate)

*All parameters NOT specially mentioned are measured at 230VAC input ,rated current and 25°C of ambient temperature

Protections

Overtemperature

Yes

Overload

Yes

No load

Yes

Short-circuit

Yes

Input overvoltage

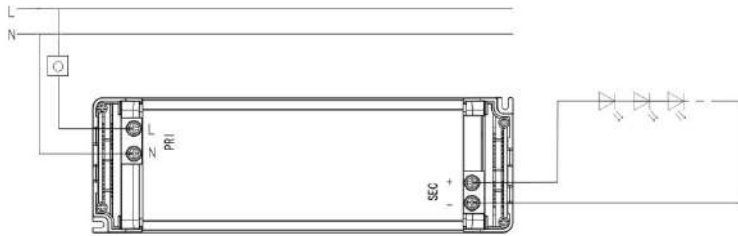
Maximum allowed input voltage 264VAC

Output overvoltage

Yes

Wiring Diagram

Terminal:	Screw
Max. cable length-system:	2 m
Dimensions(LxWxH):	142 x 50 x 24 mm
Mounting hole spacing	135 x 42 mm
Weight:	132 ± 7 g



PRI

Cable cross-section:	0.75-2.5□
Stripping:	6mm

SEC

Cable cross-section:	0.75-2.5□
Stripping:	6mm

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 EN61347-1 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
IEEE1789
(EU) 2019/2020

Manufacturer's address:

No.4, Tongfu Road, Tong'an Industrial Center, Tong'an District, Xiamen, Fujian, China

www.actec.com