

Product data

Specification item	Value	Unit
Product name	PROFESSIONALE ECO 44W	
Order code	145159	
EAN (GTIN)	8010703898462	
Pieces per box	20	
Product weight	118	Gr
Made in	China	

Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage	220...240	Vac	
Input voltage AC range	198...264	Vac	
Rated input frequency	50...60	Hz	
Rated input current	0,240	A	Referred to $V_{in} = 230\text{ V}$, 100% load
Rated input power	50,02	W	Referred to $V_{in} = 230\text{ V}$, 100% load
Power factor	0,86 - 0,98	λ	
THD	< 10	%	Referred to $V_{in} = 230\text{ V}$, 100% load
Efficiency	89	%	Referred to $V_{in} = 230\text{ V}$, 100% load
Isolation input to output	SELV		

Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant current		
Output voltage	20...42	Vdc	
Output voltage max.	59	V	Open load
Output current	900...1050	mA	
Output current min programmable	900	mA	
Output current tolerance	5	%	
Output power	18...44	W	
Output current ripple	< 5	%	
Output Pst LM	< 1		
Output SVM	< 0,4		

Label

Labels are for illustrative purposes only and may differ from the actual product

TCI LED
 via Parma 14, 21047 Saronno(VA) Italy
 www.tci.it
PROFESSIONALE ECO 44W
 cod.145159
 Electronic Converter for LED
 LED控制装置
 Made in China

SELV -
SEC +

PRI: 220-240Vac 50/60Hz
 In= 0.21-0.24A; λ = 0.86-0.98
 SEC: Iout= 0.9-1.05A;
 Urated= 20-42Vdc;
 Pout= 44.1W; Umax= 60Vdc
 ta= -20...+45°C; tc= 85°C

Iout (mA)	1	2
900	OFF	OFF
950	OFF	ON
1000	ON	OFF
1050	ON	ON

Operating window 230V

Pout W	Vout DC	Iout mA
37,8	20...42	900
39,9	20...42	950
42	20...42	1000
44,1	20...42	1050

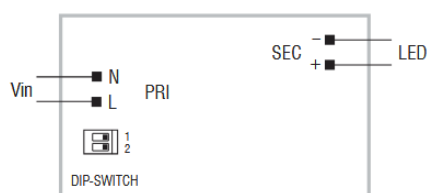
Electrical data controls input

Specification item	Value	Unit	Condition
Control method	ON-OFF		

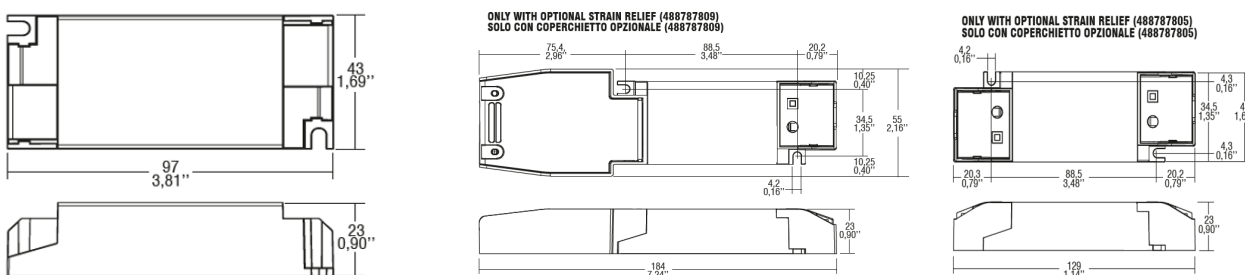
Wiring and connections

Specification item	Value	Unit	Condition
Input wire cross section	0.75...1.5 / 18...15	mm ² / AWG	
Input wire strip length	8...9	mm	
Output wires cross section	0.5...1.5 / 20...15	mm ² / AWG	
Output wire strip length	8...9	mm	
Max. cable length		cm	Max. LED distance see page info 8

Wiring diagram



Dimensions



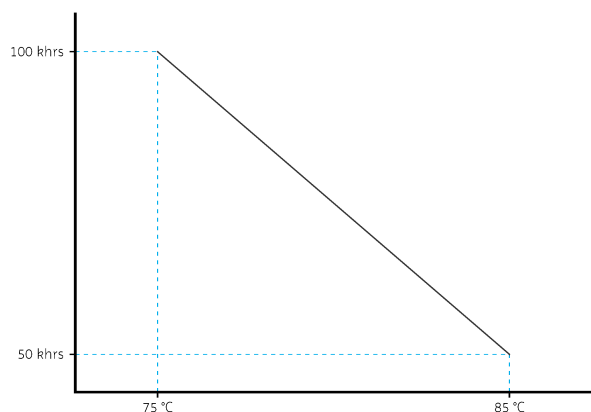
Insulation

Specification item	Output	Controls	Earth
Input	double or reinforced	N/A	N/A

Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-20...45	°C	-20...40°C for independent
T _c	85	°C	Maximum temperature measured at T _c point
Maximum housing temperature	110	°C	In case of failure

Temperature/Life



Storage temperature and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-30...85	°C	
Relative humidity	5...85	%	Non condensing

Programmable features

Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)	DIP-SWITCH	900mA	

Features

Specification item	Value	Condition
Open load	Yes	
Short circuit	Yes	
Over load and thermal protection	Yes	C.5.a
Hot plug	No	
Suitable for fixtures with protection class	class I/II	

In rush current

Specification item	Value	Unit	Condition
In rush current	18/275	A / usec	
Drivers / MCB 16A type B	50	pcs	

Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Protective Conductor Current	0,0062	mA	

Surge immunity

Specification item	Value	Unit	Condition
Mains surge immunity (diff. mode)	1	kV	
Mains surge immunity (comm. mode)	2	kV	

Application info

Specification item	Value
Approval marks	CE ENEC RCM CCC UKCA EAC
Application	Compact not dimmable indoor
Mounting type	built-in or independent by means properly strain relief (488787805) or (488787809)

Performance curves

