



**Product data**

Specification item	Value	Unit
Product name	PROFESSIONALE ECO 33W	
Order code	145157	
EAN (GTIN)	8010703898448	
Pieces per box	20	
Product weight	85	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	0,180	A	Referred to Vin = 230 V, 100% load
Rated input power	38	W	Referred to Vin = 230V, 100% load
Power factor	0,81 - 0,97	λ	
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	89	%	Referred to Vin = 230 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	650...800	mA	
Output current min programmable	650	mA	
Output current tolerance	5	%	
Output power	27,3...33,6	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 33W**  
 Electronic Converter for LED  
 LED控制装置  
 Made in China  
 01/25

UK CA SEC  
 tc  
 SELV  
 PRI: 0.75 - 1.5  
 SEC: 0.5 - 1.5  
 8-9 mm  
 EN 25  
 GMA-519996-EA

CCC  
 CE  
 EAC  
 110  
 N  
 PRI  
 L  
 PRI: 220-240Vac 50/60Hz  
 In= 0.16-0.18A; λ= 0.81-0.97  
 SEC: Irated= 0.65-0.8Adc;  
 Uoutput= 20-42Vdc;  
 Prated= 33.6W; Uout= 60Vdc max  
 ta= -20...+45°C; tc= 80°C

Irated (mA)	1	2
650	OFF	OFF
700	OFF	ON
750	ON	OFF
800	ON	ON

## Operating window 230V

Pout W	Vout DC	Iout mA
27,3	20...42	650
29,4	20...42	700
31,5	20...42	750
33,6	20...42	800

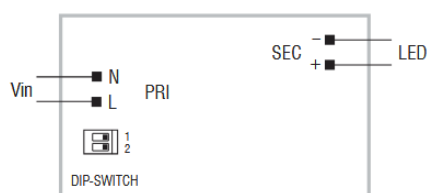
## Electrical data controls input

Specification item	Value	Unit	Condition
Control method	ON-OFF		

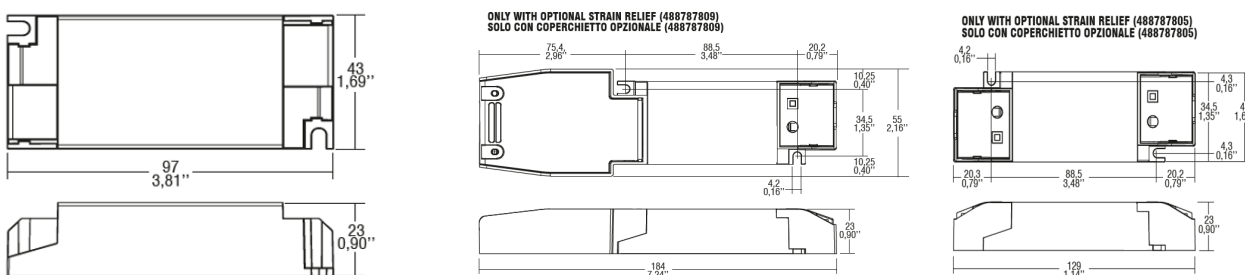
## Wiring and connections

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

## Wiring diagram



## Dimensions

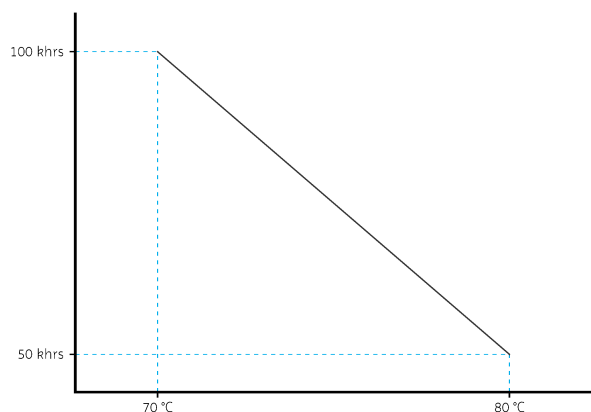


## Insulation

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
Tc	80	°C	Maximum temperature measured at Tc 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	650mA	

**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	20/266	A / usec	
Drivers / MCB 16A type B	50	pcs	

## Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Protective Conductor Current	0,0042	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 (ORDER CODE FOR DO NOT COVER 145157ASN) CCC UKCA EAC
Application	Compact not dimmable indoor
Mounting type	built-in or independent by means properly strain relief (488787805) or (488787809)

## Performance curves

