



**Software: TCI\_NFC\_READER**

<https://win.tcisonno.com/public/CMS/Files/11436/Setup-NFC-DALI-1-0-0-180-1.zip>



## Product data

Specification item	Value	Unit
Product name	T-LED 60/80-400 DALI NFC LG	
Order code	141188	
EAN (GTIN)	8010703886131	
Pieces per box	30	
Product weight	155	Gr
Made in	Italy	

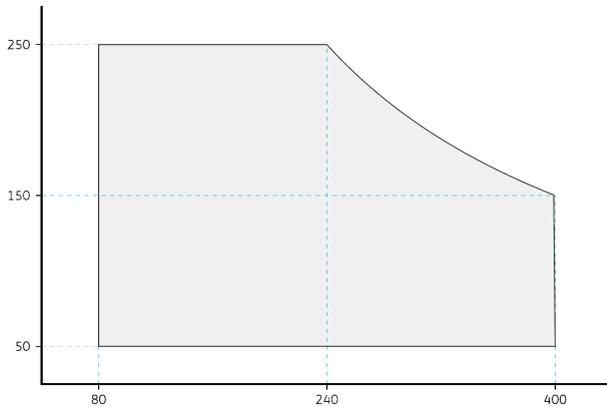
## Electrical input data

Specification item	Value	Unit	Condition
Rated input voltage	220...240	Vac	
Input voltage AC range	198...264	Vac	
Input voltage DC range	176...275	Vdc	Factory default 15% EOFi= 0,13
Rated input frequency	50...60	Hz	
Rated input current	0,291	A	Referred to Vin = 230 V, 100% load
Rated input power	65,30	W	Referred to Vin = 230V, 100% load
Power factor	0,95	$\lambda$	Pout > 23 W
THD	< 10	%	Referred to Vin = 230 V, 100% load
Efficiency	93	%	Referred to Vin = 230 V, 100% load
Stand-by Power	< 0,5	W	
Isolation input to output	NOT - SELV		

## Electrical output data

Specification item	Value	Unit	Condition
Regulation method	Constant current		
Output voltage	50...250	Vdc	
Output voltage max.	300	V	Open load
Output current	80...400	mA	
Output current min programmable	80	mA	
Output current min dimming	4	mA	
Output current tolerance	5	%	
Output power	4...60	W	
Output current ripple	< 3	%	
Output Pst LM	< 1		
Output SVM	< 0,4		

## Operating window



## Label

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

L  N  PRI  
 DA 2  DA 1

**TCI**  
 MADE IN ITALY  
 via Parma 14, 21047 Saronno (VA) Italy, www.tci.it  
**T-LED 60/80-400 DALI NFC LG**  
 Dimmable AC/DC P/S for LED  
 cod.141188

-47/25-  
 PRI: 220-240V 50-60Hz  
 I<sub>max</sub>=0,3A; λ (P<sub>out</sub>>36W)=0,95  
 SEC: 80-400mA; 60W<sub>max</sub>  
 V<sub>o</sub>=50-250V ---  
 t<sub>a</sub>= -25...60°C ; t<sub>c</sub>=85°C  
 176-276V ---range x emerg. appl.; I<sub>max</sub>=0,37A  
 U<sub>out</sub>=300V ---

110 EL EMC 300MHz CE DALI 2 tc • NFC  
 FW: 188V+238A+165A  
 05 EAC GMA-521680  
 0,5 - 1,5 □  
 8 - 8,5mm SEC + □

## Electrical data controls input

Specification item	Value	Unit	Condition
Control method	DALI-2, PUSH SWITCH, CLO		
Dimming range	1...100%	%	

## Wiring and connections

Specification item	Value	Unit	Condition
Input wire cross section	0.5...1.5 / 20...15	mm <sup>2</sup> / AWG	
Input wire strip length	8...8.5	mm	
Output wires cross section	0.5...1.5 / 20...15	mm <sup>2</sup> / AWG	
Output wire strip length	8...8.5	mm	
Control wire cross section	0.5...1.5 / 20...15	mm <sup>2</sup> / AWG	
Control wire strip length	8...8.5	mm	
Max. cable length		cm	Max. LED distance see page info 8

## Wiring diagrams



DALI diagram  
Collegamento DALI

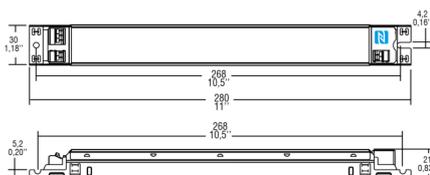


PUSH SWITCH diagram  
Collegamento PUSH SWITCH



WIRELESS PROGRAMMING diagram  
Collegamento per PROGRAMMAZIONE WIRELESS

## Dimensions



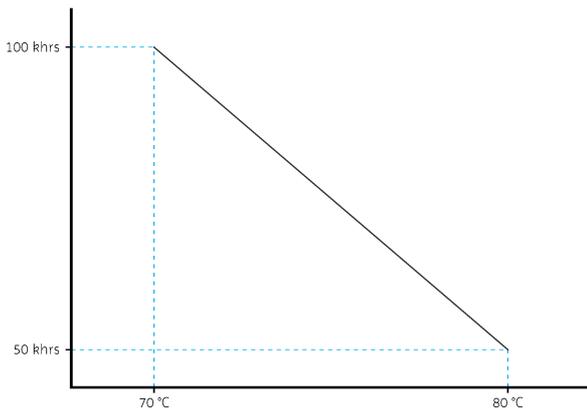
## Insulation

Specification item	Output	Controls	Earth
Input	N/A	basic	basic
Output	N/A	basic	basic

## Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-25...60	°C	
T <sub>c</sub>	85	°C	Maximum temperature measured at T <sub>c</sub> 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)	NFC	80mA	
Constant Light Output (CLO)	Yes	OFF	
Push Switch	Yes	ON	
Min Dimming Level	Yes	1%	
DC emergency level	Yes	ON	Default 15% EOFi range = 1...100%
DALI part 251	Yes	OFF	

## 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	
DALI part 101	Yes	
DALI part 102	Yes	
DALI part 207	Yes	
DALI part 252	Yes	
DALI part 253	Yes	

## In rush current

Specification item	Value	Unit	Condition
In rush current	40/250	A / usec	
Drivers / MCB 16A type B	20	pcs	

## Driver touch current / protective conductor current

Specification item	Value	Unit	Condition
Typical Protective Conductor Current	0,27	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 UKCA EAC
Application	Linear dimmable indoor
Mounting type	Built-in

## Performance curves

