

Software: TCI\_NFC\_READER

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



## Product data

Specification item	Value	Unit
Product name	STMR DALI NFC	
Order code	142180	
EAN (GTIN)	8010703471443	
Pieces per box	50	
Made in	Italy	

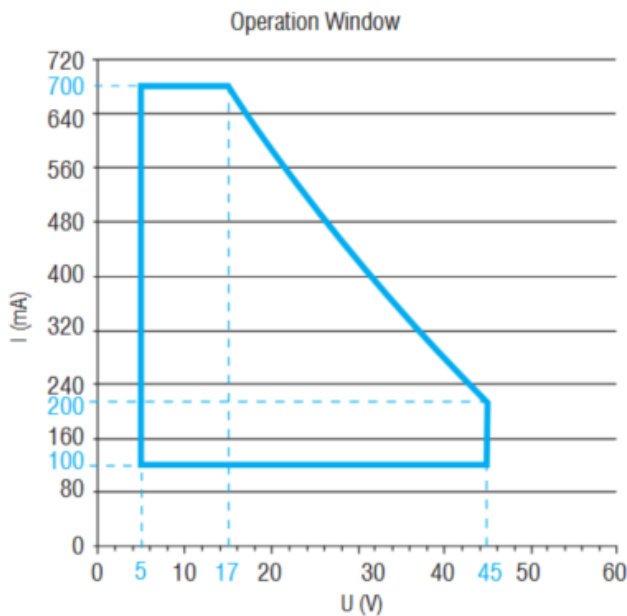
## Electrical input data

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 100% EOFi= 1
Rated input frequency	50...60	Hz	
Rated input current	0,08	A	Referred to Vin = 230 V, 100% load
Rated input power	13,95	W	Referred to Vin = 230V, 100% load
Power factor	0,9 C - 0,95	λ	Pout > 7W 0,95
THD	< 15	%	Referred to Vin = 230 V, 100% load
Efficiency	85	%	Referred to Vin = 230 V, 100% load
Stand-by Power	< 0,5	W	
Isolation input to output	SELV		

**Electrical output data**

Specification item	Value	Unit	Condition
Regulation method	Constant current		
Output voltage	5...45	Vdc	
Output voltage max.	54	V	Open load
Output current	100...700	mA	
Output current min programmable	100	mA	
Output current min dimming	5	mA	
Output current tolerance	5/8	%	
Output power	0,5...12	W	
Output current ripple	< 3	%	
Output Pst LM	< 1		
Output SVM	< 0,4		

**Operating window (230V)**



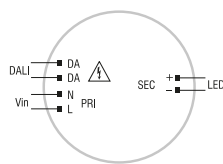
**Electrical data controls input**

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

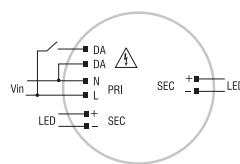
## Wiring and connections

Specification item	Value	Unit	Condition
Input wire cross section	2x0,75	mm <sup>2</sup>	L - N, length 130mm
Output wires cross section	2x0,5	mm <sup>2</sup>	SEC, length 240mm
Control wire cross section	18	AWG	DA - DA, length 130mm
Max. cable length		cm	Max. LED distance see page info 8

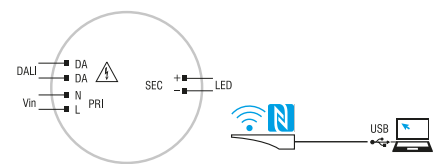
## Wiring diagrams



DALI diagram  
Collegamento DALI

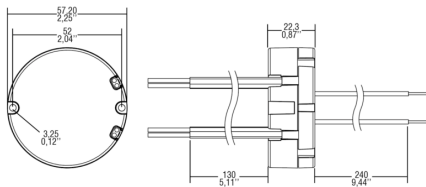


PUSH SWITCH diagram  
Collegamento PUSH SWITCH



WIRELESS PROGRAMMING diagram  
Collegamento per PROGRAMMAZIONE WIRELESS

## Dimensions



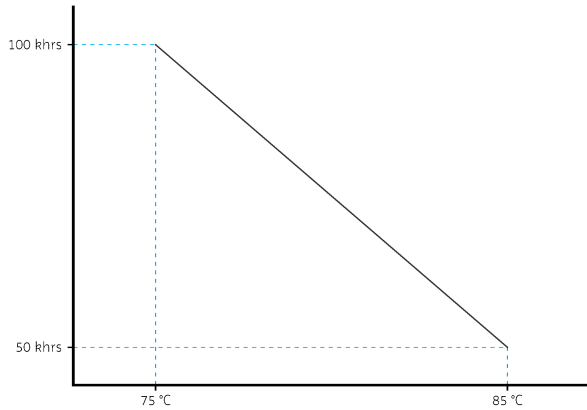
## Insulation

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

## Operation temperatures and humidity

Specification item	Value	Unit	Condition
Ambient temperature	-20...45	°C	
Tc	90	°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... + 80	°C	
Relative humidity	5...85	%	Non condensing

**Programmable features**

Specification item	Available	Default setting	Condition
Set Adjustable Output Current (AOC)	NFC	300mA	
Constant Light Output (CLO)	Yes	OFF	
Adjustable Light Output (ALO)	Yes	OFF	
Push Switch	Yes	ON	
Min Dimming Level	Yes	1%	
DALI part 251	Yes		
DALI part 252	Yes		
DALI part 253	Yes		

**Features**

<b>Specification item</b>	<b>Value</b>	<b>Condition</b>
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	
DALI part 101	Yes	
DALI part 102	Yes	
DALI part 207	Yes	
DALI part 252	Yes	
DALI part 253	Yes	

**In rush current**

<b>Specification item</b>	<b>Value</b>	<b>Unit</b>	<b>Condition</b>
In rush current	4/50	A / usec	
Drivers / MCB 16A type B	50	pcs	

**Driver touch current / protective conductor current**

<b>Specification item</b>	<b>Value</b>	<b>Unit</b>	<b>Condition</b>
Typical Protective Conductor Current	0,05	mA	

**Surge immunity**

<b>Specification item</b>	<b>Value</b>	<b>Unit</b>	<b>Condition</b>
Mains surge immunity (diff. mode)	2	kV	
Mains surge immunity (comm. mode)	4	kV	

## Application info

Specification item	Value
Approval marks	CE ENEC (PENDING), RCM (PENDING)
Ingress Protection classification (IP)	20
Application	Round dimmable indoor
Mounting type	Independent
Cut hole diameter	Ø57

## Performance curves

