

# CERTIFICATE

Issued to:  
Applicant:  
**TCI Telecomunicazioni Italia S.r.l.**  
**Via Parma, 14**  
**21047 Saronno (VA), Italy**

Licensee:  
**TCI Telecomunicazioni Italia S.r.l.**  
**Via Parma, 14**  
**21047 Saronno (VA), Italy**

Product : Electronic controlgear for LED modules  
Trade name(s) : TCI, TCI (with little dragon), TCI LED, TCI LED (with little dragon),  
TCI LIGHT (with little dragon and ball in square), TCI LIGHT Saronno Italy or  
TN101  
Type(s)/model(s) : MINI FLAT 20 DALI NFC

The product and any acceptable variation thereof as specified in the Annex to this certificate and the documents referred to therein.

DEKRA hereby declares that the above-mentioned product has been certified based on:

- a type test according to EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015, EN 61347-1:2015/A1:2021 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 421
- a DEKRA certification agreement with the number 2033015

DEKRA hereby grants the right to use the ENEC certification mark.

Compliance with the requirements of this Standard carries a presumption of conformity with the essential safety requirements of the Low voltage directive (LVD) 2014/35/EU.

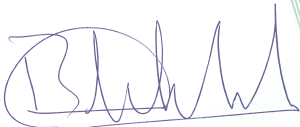
The ENEC certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the ENEC certification agreement.

This licence has been issued under the presumption and conditional on the fact that the licensee holds all necessary legal rights with regard to the product presented for testing and certification.

This certificate is issued on 16 April 2026 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-174291

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



Miranda Zhou  
Certification Manager

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ACCREDITED BY THE  
DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Electronic controlgear for LED modules
Trade name(s)	: TCI, TCI (with little dragon), TCI LED, TCI LED (with little dragon), TCI LIGHT (with little dragon and ball in square), TCI LIGHT Saronno Italy or TN101
Type(s)/model(s)	: MINI FLAT 20 DALI NFC
Primary voltage	: 220-240 V for a.c., 176-275 for d.c.
Nature of supply	: alternate or direct current
Rated frequency	: 50-60 Hz, 0 Hz
Primary current	: 0,11 A for a.c., 0,135 A for d.c.
Secondary power	: From 0,5 W to 20 W
Secondary current	: From 0,1 A to 0,7 A
Type of load	: LED modules
Classification	: Independent, built-in

**TESTS****Test requirements**

EN 61347-2-13:2014  
EN 61347-2-13:2014/A1:2017  
EN 61347-1:2015  
EN 61347-1:2015/A1:2021  
EN IEC 62384:2020

**Test result**

The test results are documented in DEKRA test file 351061900.

**Additional information**

Above statement reflects the information shown in the Summary of Testing, document reference No. 3510619.60EU-1, on which this Certificate is based.

For specific Model/Type electrical rating refer to following pages.

The list of components is laid down in test report 3510619.60.

**Conclusion**

The examination has confirmed that all requirements were met.

**Factory location**

TCI Telecomunicazioni Italia S.r.l.  
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21047 Saronno (VA), Italy

<b>General product information and other remarks:</b>								
The device is a controlgear for LED modules with SELV stabilized output current. Primary supply: 220-240 V 50-60 Hz, 196-250 V (operative range 176-275 V) 0 Hz.								
Type/s	Supply Current (A)	Power factor	Prated (W)	SEC Current (A)	Uout (V)	t <sub>a</sub> (°C)	t <sub>c</sub> (°C)	Use [2]
MINI FLAT 20 DALI NFC or K2J79	0,11 0,135 [1]	0,28 C-0,97 (0,95@Po≥14 W)	0,5-20	0,1-0,7	59	-25...40	85	II, 110, DNC
						-25...50	90	DI, 110
Notes: The Kxxxx code can replace the type reference. [1] – d.c. supply. [2] – II=Class II independent, IP20; DI=built-in with double insulation; 110=Thermal protection (C5.a); DNC=Do Not Cover.								

<b>Connections</b>		Independent use	Built-in use
Input supply	PRI L / N	Terminal (0,75-1,5 mm <sup>2</sup> )	Terminal (0,5-1,5 mm <sup>2</sup> )
Control (DALI, PUSH SWITCH)	DA1 / DA2	Terminal (0,75-1,5 mm <sup>2</sup> )	Terminal (0,5-1,5 mm <sup>2</sup> )
Output load	SEC + / -	Terminal (0,5-1,5 mm <sup>2</sup> )	Terminal (0,5-1,5 mm <sup>2</sup> )

<b>Additional information</b>	
Use	Independent or built-in control gears for luminaire, up to 2000 m above sea level.
Features	For LED; stabilized output current (CC); multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa; for direct mounting on normally flammable surfaces; total circuit power: 23,5 W; independent with additional cable retainer.
DC operation	The device is suitable for d.c. operation (EL symbol) and it has been tested in the rated supply range 196-250 V for the specific use in centralized emergency installations (extended range 176-275 V); assessment to EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed for independent use (for built-in use only Clauses 22.7.2, 22.7.3 and Annex 2 have been assessed).
The creepage distances, clearances and connections of control gears shall be according to EN IEC 60598-1 or national deviations of the country when installed in the final application:	
INSULATION (B= basic, S= supplementary, R= double or reinforced)	
PRI ↔ DA	B
PRI ↔ SEC; DA ↔ SEC	R
Active parts of independent models ↔ external side of enclosure; active parts of built-in models ↔ all parts of enclosure that can come in contact with the luminaire body when incorporated.	R
Assessment to EN 62493:2015 and EN 62493:2015/A1:2022 has been performed.	
Assessment to EN IEC 62442-3:2022 has been performed.	