

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) : T-LED ** (*means any alphanumeric characters)

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 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 and EN IEC 62384:2020
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 2033015

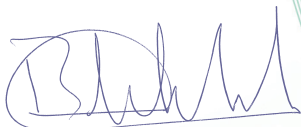
DEKRA hereby grants the right to use the ENEC certification mark.

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 certificate is issued on 10 January 2025 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-151605

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

© Integral publication of this certificate is allowed

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)	: T-LED ** (*means any alphanumeric characters)
Nature of supply	: 220-240 V a.c.
Rated frequency	: 0/50-60 Hz
Primary current	: From 0,2 to 0,75 A
Secondary current	: From 0,08 to 0,7 A
Secondary power	: From 35 to 150 W
Classification	: Built-in
Type of Load	: LED modules, power LED

TESTS**Test requirements**

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

Test result

The test results are documented in DEKRA test file 350908000.

Additional information

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

The list of components is laid down in test report 3509080.60 and 3509080.61.

Conclusion

The examination has confirmed that all requirements were met.

Factory location

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

General product information and other remarks:									
The devices are controlgears for LED modules with stabilized output current (CC) depending on NFC software programming. Dimming features are detailed in the technical specification.									
Type/s	a.c./*d.c. supply (V) [1]	Input current (A)	Power factor	Max. Output power (W)	Output current (A)	Uout d.c. (V)	ta (°C)	tc (°C)	Use [2]
T-LED 35/80-400 DALI NFC LG	220-240 *176-276	0,2 *0,23	0,9 C (Po>30 W)	35	0,08-0,4	300	-25...60	80	BI, PE, 110
T-LED 60/80-400 DALI NFC LG T-LED 60/80-400 CASAMBI NFC	220-240 *176-276	0,3 *0,37	0,95 (Po>36 W)	60	0,08-0,4	300	-25...60	85	BI, PE, 110
T-LED 100/120-700 DALI NFC LG	220-240 *176-276	0,5 *0,62	0,95 (Po>40 W)	100	0,12-0,7	300	-25...60	90	BI, PE, 110
T-LED 150/120-700 300 DALI NFC T-LED 150/120-700 300 D4i NFC	220-240 *176-276	0,75 *0,92	0,95 (Po>40 W)	150	0,12-0,7	340	-25...60	85	BI, PE, 110

Notes: [1] – a.c. at 50-60 Hz; *d.c. supply, see additional information for rated/operative range. [2] – BI=built-in; 110=overheating protection (C.5.a type).

Connections		
Supply	PRI (L, N)	screwless terminal block 0,5...1,5 mm ²
Control	DA (DA +, DA -, DA 1, DA 2)	screwless terminal block 0,5...1,5 mm ²
Load	SEC (+, -)	screwless terminal block 0,5...1,5 mm ²

Additional information	
Use	Built-in models for ordinary 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; 20 step CLO function (the final output is the 100% of declared current). Total circuit power: 38 W for T-LED 35/80-400 DALI NFC LG, 64 W for T-LED 60/80-400 DALI NFC LG and T-LED 60/80-400 CASAMBI NFC, 106 W for T-LED 100/120-700 DALI NFC LG, 160 W for T-LED 150/120-700 300 DALI NFC and T-LED 150/120-700 300 D4i NFC.
DC operation	All models are suitable for d.c. operation (EL symbol) have 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 Clauses 22.7.2 and 22.7.3 of EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed. Emergency level can be setted (default output current 15%).
The creepage distances, clearances and connections of control gears in the final application shall be according to EN 60598-1 or national deviations of the country where installed:	
INSULATION (B= basic, S= supplementary, R= double or reinforced)	
PRI ↔ PE, SEC ↔ PE, PRI ↔ DA, SEC ↔ DA	B
active parts ↔ enclosure	B
PRI ↔ SEC	-
All models are suitable for direct mounting on normally flammable surfaces according to EN IEC 60598-1:2021. Assessment to EN 62493:2015, EN 62493/A1:2022 has been performed. Assessment to EN IEC 62442-3:2022 has been performed.	