

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 AC LED lamps
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) : MW 70 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 61347-2-13:2014, EN 61347-2-13:2014/A1:2017, EN 61347-1:2015 and EN 61347-1:2015/A1:2021
- an inspection of the factory location according to CENELEC Operational Document CIG 021
- a DEKRA certification agreement with the number 6064204

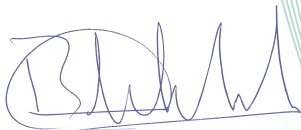
DEKRA hereby grants the right to use the DEKRA Mark.

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

This certificate is issued on 25 September 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-127867 REV.1

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



Miranda Zhou
Certification Manager

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DUTCH ACCREDITATION
COUNCIL



81-127867

DEKRA Mark is the new KEMA-KEUR

The DEKRA Mark certificate for this product is to all intents and purposes equivalent to a KEMA-KEUR certificate, the other certification mark used by DEKRA and should be valued and used as such. DEKRA Mark is gradually replacing KEMA-KEUR.

For more information please check: [Introducing DEKRA Mark](#)

SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: Electronic controlgear for AC LED lamps
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)	: MW 70 LED** (*means any alphanumeric characters)
Primary voltage	: 230/240 V a.c.
Rated frequency	: 50-60 Hz
Primary current	: 0,3 A
Type of load	: AC LED lamps
Output power	: From 2,5 W to 50 W
Working voltage U-OUT	: 14 V
Classification	: Independent

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

Test result

The test results are documented in DEKRA test file 350908000.

Additional information

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

This certificate replaces certificate No. 81-127867 which we hereby declare invalid.

The list of components is laid down in test report 3509080.540.

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

General product information: The device is an electronic step-down control gear, intended to supply AC supplied LED lamps and halogen lamps. The device is SELV.

Type/s	PRI voltage (V) [1]	PRI current (A)	SEC voltage [2]	Output power (W) [3]	U _{OUT} (V)	ta (°C)	tc (°C)	Use [4]
MW 70 LED cod.119772 or K1209 MW 70 LED cod.119773 or K1217	230/240	0,3	12 V	2,5-50 5-70	14	40	90	II, MM, 100

Notes: The Kxxxx code can replace the type of reference. [1] – The frequency of primary voltage is 50-60 Hz; [2] – The frequency of secondary voltage is 30 kHz; [3] – Output power 2,5-50 W for AC LED lamps, 5-70 W for halogen lamps; [4] – II= independent, class II, IP20; MM= suitable for direct mounting on normally flammable surfaces; 100= overheating protection (C.5.a type) and comply with temperature limit of IEC/EN 60598-1.

Connections	
Connection to supply (PRI)	screw terminals 0,75...2,5 mm ²
Connection to load (SEC)	screw terminals 0,5...2,5 mm ²

Additional information	
Use	Independent, up to 2000 m above sea level.
Features	For LED lamps and halogen lamps; multiple value load control gear; short-circuit proof type; impulse withstand category II; Pollution degree 2 (Normal Pollution); Material group IIIa. The material of enclosure was tested with favourable result for Glow-wire at temperature 850/960 °C.

The creepage distances, clearances and connections of control gears in the final application shall be according to IEC/EN 60598-1 or national deviations of the country where installed:

INSULATION	
(B= basic, S= supplementary, R= double or reinforced)	
PRI ↔ SEC	R
active parts ↔ the external surfaces of enclosure	R

All models are suitable for direct mounting on normally flammable surfaces.
 Assessment to IEC 60598-2-2:2023 used in conjunction with IEC 60598-1:2020 (valid for EN IEC 60598-2-2:2024 and EN IEC 60598-1:2021) has been performed.
 Assessment to IEC 62493:2015 and IEC 62493:2015/AMD1:2022 (valid for EN 62493:2015 and EN 62493:2015/A1:2022) has been performed.
 Assessment to IEC 61347-2-2:2011 used in conjunction with IEC 61347-1:2015, AMD1:2017 (valid for EN 61347-2-2:2012 used in conjunction with EN 61347-1:2015, A1:2021) has been performed.
 Assessment to IEC 62442-3:2022 (valid for EN IEC 62442-3:2022) has been performed.