

# CERTIFICATE

Issued to:  
Applicant:  
**TCI Telecomunicazioni Italia Srl**  
**Via Parma 14**  
**21047 Saronno (VA), Italy**

Licensee:  
**TCI Telecomunicazioni Italia Srl**  
**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) : CVD FLAT (series)

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

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

- 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 021
- a DEKRA certification agreement with the number 2033015

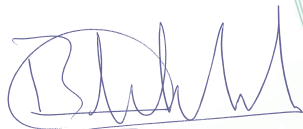
DEKRA hereby grants the right to use the ENEC certification mark.

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.

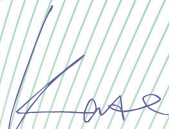
This certificate is issued on 30 July 2023 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-129794

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K Xu  
Certification Manager

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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)	: CVD FLAT (series)
Primary voltage	: 220-240 V a.c.
Rated frequency	: 50/60 Hz
Primary current	: From 0,16 to 1 A
Secondary power	: From 30 to 200 W
Secondary voltage	: 24 V
Type of load	: LED modules
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  
EN IEC 62384:2020

**Test result**

The test results are laid down in DEKRA test file 350908000.

**Additional information**

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

DEKRA test report No. 3509080.130 and 3509080.131 are laid down in DEKRA test file 350908000; they contain test results. DEKRA test report No. 3509080.130 contains critical component list.

**Conclusion**

The examination proved that all requirements were met.

**Factory location**

The factory location is registered with the number 18529.

<b>General product information:</b>									
The devices are electronic SELV controlgears, intended to supply LED lighting source. The devices have a constant output voltage (CV).									
Type/s	Primary voltage	Primary Current (A) [1]	$\lambda$	Output power (W)	Output voltage (V)	Uout (V)	t <sub>a</sub> (°C)	t <sub>c</sub> (°C)	Use [2]
CVD FLAT 30W	220-240 V (50/60 Hz)	0,16	0,9 C (Po≥16 W)	30	24	25	-25...45	85	IND, II, 110
CVD FLAT 75W		0,38	0,9 C (Po≥43 W)	30-75			-25...45	85	IND, II, 110
CVD FLAT 150W		0,73	0,95 (Po≥57 W)	57-150			-25...40	85	IND, II, 110
CVD FLAT 200W		1	0,95 (Po≥135 W)	135-200			-25...40	85	IND, II, 110
Notes: [1] – Value at max. rated power. [2] – IND=Independent IP20; II=class II; 110= The products have an overheating protection (C.5.e type), suitable for direct mounting on normally flammable surfaces.									

Connections	CVD FLAT 30W CVD FLAT 75W	CVD FLAT 150W	CVD FLAT 200W
Input supply (PRI)	Screw terminal 0,75-2,5 mm <sup>2</sup>	Screw terminal 0,75-2,5 mm <sup>2</sup>	screw terminal 1,5-4 mm <sup>2</sup>
Output load (SEC)	screw terminal 0,5-2,5 mm <sup>2</sup>	Screw terminal 0,5-2,5 mm <sup>2</sup>	Screw terminal 1,5-4 mm <sup>2</sup>

<b>Additional information</b>	
All models have the following features: multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa; the material of case was tested with favourable result for Glow-wire at temperature 650°C. Total circuit power: 33,5 W for CVD FLAT 30W, 80,7 W for CVD FLAT 75W, 159 W for CVD FLAT 150W, 211 W for CVD FLAT 200W. The use of the controlgears shall be according to IEC/EN 60598-1 or national deviations of the country where installed:	
<b>INSULATION</b>	
(B= basic, S= supplementary, R= double or reinforced)	
Between PRI ↔ SEC	R
Between active parts ↔ external of enclosure	R
All models are suitable for direct mounting on normally flammable surfaces (EN 60598-1). Assessment to IEC 60598-2-2:2011 used in conjunction with EN 60598-2-2:2012 used in conjunction with EN IEC 60598-1:2021 has been performed. Assessment to EN 62493:2022 has been performed. Assessment to EN IEC 62442-3:2022, IEC TR 61547-1:2020, IEC TR 63158:2018 have been performed.	