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)	:	PROFESSIONALE IN ** (*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, 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 2 July 2026 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-123044 REV.2

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

PRODUCTS
RvA C 001

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)	:	PROFESSIONALE IN ** (*means any alphanumeric characters)
Primary voltage	:	AC 220-240 V, DC 196-250 V
Nature of supply	:	alternate current, direct current
Rated frequency	:	50/60 Hz or 50-60 Hz, 0 Hz
Primary current	:	From 0,11 to 0,3 A AC, from 0,11 to 0,3 A DC
Secondary current	:	From 0,1 to 1,4 A
Secondary power	:	From 1,2 to 52 W
Type of load	:	LED modules, power LED
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 documented in DEKRA test file 351015300.

Additional information

Above statement reflects the information shown in the Summary of Testing, document reference No. 3510153.340EU-1, on which this Certificate is based.

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

This certificate replaces certificate No. 81-123044 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 3510153.340.

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: The devices are electronic SELV control gears, intended to supply high power Light Emitting Diodes or LED modules. The devices have a stabilized output current. An alternative /xxx at the end of commercial code can be present if particular setting value of the output is requested from the client. The output (SEC) is dimmable by DALI or touch dimming only for DALI models. Primary voltage: 220-240 V 50/60 Hz or 50-60 Hz; 196-250 Vdc, 0 Hz (operating range 176-275 Vdc). The stabilized output current can be set by DIP switch. The output power can be up to Pout max with proportionate values of Iin.

Type/s	Supply current (A)	Power factor	Output power (W)	Output current (A)	U_{OUT} (V)	ta (°C)	tc (°C)	Use [1]
PROFESSIONALE IN DALI 52 (K2G17)	0,3 *0,33	0,7 C-0,99 (0,95@ Pout≥29 W)	6,5-52	0,65-1,4	59	-20...45	90	IND, II, 110
PROFESSIONALE IN 52 (K2G18)		0,54 C-0,97 (0,95@ Pout≥32,8W)				-20...45	80	
PROFESSIONALE IN 42 (K2G19)	0,22 *0,27	0,4 C-0,97 (0,95@ Pout≥28,6W)	3-42	0,3-1,05	59	-20...45	80	IND, II, 110
PROFESSIONALE IN DALI 40 cod. 127481 (K2G20)	0,2 *0,26	0,73 C-0,99 (0,95@ Pout≥12 W)	3-40	0,3-1,05	59	-20... 40^/50	85	IND, II, 110, ^DNC
PROFESSIONALE IN DALI 40 cod. 127481ASN						-20...40		IND, II, 110, DNC
PROFESSIONALE IN DALI 20 (K2G21)	0,11 *0,13	0,33 C-0,97 (0,95@ Pout≥12,2W)	1,2-20	0,125-0,5	59	-20...50	75	IND, II, 110, DNC
PROFESSIONALE IN 40 DALI NFC (K2J73)	0,21 *0,26	0,45 C-0,99 (0,95@Pout≥19 W)	1,5-40 9,5-40	0,15-0,9 0,95-1,05	59	-20...40^/55 -20...40^/50	85 80	IND, II, 110, ^DNC
PROFESSIONALE IN 20 DALI NFC (K2J86)	0,11 *0,13	0,61 C-0,99 (0,95@Pout≥12 W)	1,8-20	0,1-0,5	59	-20...50	75	IND, II, 110, DNC

Notes: Kxxxx code can replace the type reference; *dc operation; [1] – IND= independent, IP20; II= class II; 110=overheating protection (C.5.a type); DNC= DO NOT COVER.

Connections		
PRI Input supply	L, N	Screw-less terminal block 0,75-2,5 mm²
Looping through earth E	E	Screw-less terminal block 0,75-2,5 mm²
DALI or touch dimming control (if present)	DA/N, DA/Ls	Screw-less terminal block 0,5-1,5 mm²
SEC Output load	LED+, LED-	Screw-less terminal block 0,5-1,5 mm²

Additional information	
Use	Independent for ordinary luminaire; up to 2000 m above sea level. E terminal is used for looping of external earth.
Features	For LED; stabilized output current; multiple value load; short-circuit proof type; impulse withstand category ll; Pollution degree 2; Material group llla. The material of enclosure was tested with favourable result for Glow-wire at temperature 750-960 °C. Total circuit power: 58 W for PROFESSIONALE IN DALI 52 and PROFESSIONALE IN 52, 47 W for PROFESSIONALE IN 42; 45 W for PROFESSIONALE IN DALI 40; 44,5 W for PROFESSIONALE IN 40 DALI NFC; 23 W for PROFESSIONALE IN DALI 20; 22,5 W for PROFESSIONALE IN 20 DALI NFC.

DC operation	The products are suitable for d.c. operation (EL symbol) and it has been tested in the rated supply 196-250 V for the specific use in centralized emergency installations (extended range 176-275 V), not intended for use in luminaires for high-risk task area lighting. Assessment to EN IEC 60598-2-22:2022 used in conjunction with EN IEC 60598-1:2021 has been performed. For PROFESSIONALE IN 52 e PROFESSIONALE IN 42 models Earth connection is mandatory for DC operation.

The creepage distances, clearances and connections of control gears in the final application shall be according to EN IEC 60598-1 or national deviations of the country where installed in the final application:	
INSULATION B= basic, S= supplementary, R= double or reinforced	All models
PRI ↔ SEC	R
PRI ↔ looping through earth (E)	R
PRI ↔ DA/N, DA/Ls (if present)	B
DA/N, DA/Ls ↔ looping through earth (E)	R
PRI ↔ SEC; DA/N, DA/Ls ↔ SEC	R
SEC ↔ looping through earth (E)	R
active parts ↔ touchable parts of enclosure	R
Assessment to EN 62493:2015, EN 62493:2015/A1:2022. Assessment to EN IEC 62442-3:2022 has been performed. All models are suitable for direct mounting on normally flammable surfaces only for values up to the following value:	
PROFESSIONALE IN DALI 52	tc ≤ 80 °C
PROFESSIONALE IN 52	tc ≤ 70 °C
PROFESSIONALE IN 42	tc ≤ 70 °C
PROFESSIONALE IN DALI 40 models, PROFESSIONALE IN 40 DALI NFC	tc ≤ 75 °C
PROFESSIONALE IN DALI 20	tc ≤ 75 °C
PROFESSIONALE IN 40 DALI NFC	ta=40 °C, tc ≤ 80/85 °C
PROFESSIONALE IN 20 DALI NFC	tc ≤ 75 °C