

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) : LCV (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

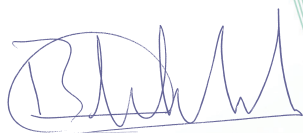
DEKRA hereby grants the right to use the ENEC certification mark.

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 9 April 2024 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-139135

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



H.L. Schendstok
Certification Manager

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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)	: LCV (series)
Primary voltage	: 220-240 V
Nature of supply	: alternate current
Rated frequency	: 50/60 Hz
Primary current	: From 0,16 to 0,9 A
Secondary voltage	: 24 V
Secondary power	: From 30 to 180 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 laid down in DEKRA test file 350908000.

Additional information

DEKRA test report No. 3500336.60 and 3500336.61 are laid down in DEKRA test file 350908000; they contain test results.

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

The list of components is laid down in test report 3500336.60.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 15204.

General product information:

The devices are controlgears for LED modules with stabilized output voltage, with SELV output with $U_{out}=25\text{ V}$. The supply voltage is 220-240 V 50/60 Hz and $\lambda=0,95$.

Type/s	Supply current [A]	Output power (W)	Output voltage (V)	t_a (°C)	t_c (°C)	Thermal Protection (°C) [1]	Use [2]
LCV 180W 24V (K2E46)	0,9	180	24	-20...45	90	110	II, MM, DNC
LCV 120W 24V (K2E45)	0,54-0,7	120	24	-20...45	90	110	II, MM, DNC
LCV 90W 24V (K2E44)	0,45	90	24	-15...45	90	110	II, MM, DNC
LCV 75W 24V (K2E43)	0,36	75	24	-15...45	85	110	II, MM, DNC
LCV 60W 24V (K2E42)	0,32	60	24	-20...50	85	110	II, MM, DNC
LCV 30W 24V (K2E41)	0,16	30	24	-15...45	80	110	II, MM, DNC

Notes: The Kxxxx code can replace the type reference; [1] –The products have an overheating protection (C.5.e electronic type). [2] – II=Independent, class II; MM= suitable for direct mounting on normally flammable surfaces (EN 60598-1); DNC=Do not cover.

Connections

Input supply	PRI (N, L)	0,75-1,5 mm ² terminal
Output load	+, -	0,75-1,5 mm ² terminal; LCV 60W 24V, LCV 75W 24V, LCV 90W 24V, LCV 120W 24V, LCV 180W 24V have double terminals

Additional information

Use	Independent or built-in controlgear for ordinary luminaire, up to 2000 m above sea level.
Features	For LED; stabilized output voltage; multiple value load; short-circuit proof type. Total circuit power: 192 W for LCV 180W 24V; 134 W for LCV 120W 24V; 100 W for LCV 90W 24V; 84 W for LCV 75W 24V; 67 W for LCV 60W 24V; 34 W for LCV 30W 24V. Min. load power for power factor 0,95: 70 W for LCV 180W 24V; 41 W for LCV 120W 24V; 45 W for LCV 90W 24V; 20 W for LCV 75W 24V; 24 W for LCV 60W 24V; 13 W for LCV 30W 24V.