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)	:	STARLIGHT ** (* 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 15 July 2026 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 81-149943 REV.3

DEKRA Certification B.V.

B.T.M. Holtus
Managing Director

Kreny Lin
Certification Manager

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)	:	STARLIGHT ** (* means any alphanumeric characters)
Primary voltage	:	220-240 V AC, 186-250 V DC
Nature of supply	:	alternate current, direct current
Rated frequency	:	50/60 Hz, 0 Hz
Primary current	:	From 0,17 to 0,45 A for AC, from 0,13 to 0,51 for DC
Type of load	:	LED modules, power LED
Secondary current	:	From 0,2-1,05 A
Secondary power	:	From 1 to 90 W
Classification	:	Independent, built-in

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 351061900.

Additional information

Above statement reflects the information shown in the Summary of Testing, document reference No. 3510619.130EU-1, on which this Certificate is based.

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

This certificate replaces certificate No. 81-149943 REV.2 which we hereby declare invalid.

The list of components is laid down in test report 3510619.130.

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 intended to supply high power Light Emitting Diodes or LED modules. The devices have a constant output current for LED (depending on the NFC setting). The STARLIGHT EASY models are not dimmable. 24V is only present in SUPERIOR models and it's for auxiliary devices (SELV, Uout=30 V).

Types	Supply voltage (V) [1]	Supply current (A)	Power Factor	Output Prated (W) [2]	Output current (A) [2]	Uout (V)	t_a (°C)	t_c (°C)	Use [3]
STARLIGHT 30 200-900 EASY (K2I94)	220-240 *186-250	max. 0,17 *0,13-0,18	0,45 C-0,98 (0,95@Pout ≥13 W)	1-30	0,2-0,9	59	-40…60	90	DI, 110
STARLIGHT 30 200-900 SUPERIOR (K2I93)				1-30	0,2-0,9	59			DI, 110, 24V
STARLIGHT 36 200-1050 EASY (K2J62)	220-240 *186-250	max. 0,19 *0,15-0,23	0,52 C-0,98 (0,95@Pout ≥12 W)	1,5-36	0,2-1,05	59	-40…55	90	DI, 120
STARLIGHT 36 200-1050 SUPERIOR (K2J63)				1,5-36	0,2-1,05	59			DI, 120, 24V
STARLIGHT 36 200-1050 EASY IP67 (K2J64), STARLIGHT 36 200-1050 DALI NFC IP67 (K2J65)	220-240 *186-250	max. 0,19 *0,15-0,23	0,52 C-0,98 (0,95@Pout ≥12 W)	1,5-36	0,2-1,05	59	-40…60	95 ▼75	IP67, 110, ▼NFS DNC40 24V
STARLIGHT 36 200-1050 SUPERIOR IP67 (K2J66)				1,5-36	0,2-1,05	59			
STARLIGHT 60 200-1050 EASY (K2J37)	220-240 *186-250	max. 0,35 *0,18-0,24	0,63 C-0,98 (0,95@Pout ≥17 W)	4-60 *max. 40	0,2-1,05	120	-40…60	90	DI, 110
STARLIGHT 60 200-1050 SUPERIOR (K2J36)				4-60 *max. 40	0,2-1,05	120			DI, 110, 24V
STARLIGHT 60 200-1050 EASY IP67 (K2J59), STARLIGHT 60 200-1050 DALI NFC IP67 (K2J60)	220-240 *186-250	max. 0,35 *0,18-0,24	0,63 C-0,98 (0,95@Pout ≥17 W)	4-60	0,2-1,05	120	-40…60	90 ▼85	IP67, 110, ▼NFS DNC45 24V
STARLIGHT 60 200-1050 SUPERIOR IP67 (K2J61)				4-60	0,2-1,05	120			
STARLIGHT 90 200-1050 EASY (K2J58)	220-240 *186-250	max. 0,45 *0,37-0,51	0,6 C-0,98 (0,9@Pout≥ 25 W)	4-90	0,2-1,05	190	-40…55	90	DI, 110
STARLIGHT 90 200-1050 SUPERIOR (K2J57)									DI, 110, 24V
STARLIGHT 90 200-1050 SUPERIOR IP67 (K2J88)								▼85	IP67, 110, ▼NFS 24V

Notes: The Kxxxx code can replace the type of reference. [1] – Rated value for a.c. supply (50/60 Hz) and *d.c. supply (0 Hz). [2] – the max. output power for LED modules decreases by 3 W when 24 V is used. [3] – IP67= class II, independent, case IP67; DI=built-in model with double insulation; 110, 120= the products have an overheating protection (C.5.a) and comply with temperature limit of IEC/EN 60598-1; ▼NFS=suitable for mounting on normally flammable surfaces; DNCxx=Do Not Cover up to xx °C; 24V= auxiliary supply, max. 3 W (to detract to output Prated).

Connections	SUPERIOR model	EASY model	
Input supply	PRI, N/L		terminal block 0,2-1,5 mm²
Equipotential terminal	EQUI		terminal block 0,2-1,5 mm²
DALI terminal	D4i, +/-	-	terminal block 0,2-1,5 mm²
Auxiliary 24 V output	24V +	-	terminal block 0,2-1,5 mm²
LED module sensor	NTC		terminal block 0,2-1,5 mm²
Output LED load	SEC +/-		terminal block 0,2-1,5 mm²

Connections	SUPERIOR IP67 models	EASY IP67 models	DALI NFC IP67 models	
Input supply	PRI, L, N			cable 2x1,0 mm²
DALI	-	-	DALI, DA/DA	cable 2x1,0 mm²
D4i / 24 V	DA+, DA- / 24V+	-	-	cable 3x1,0 mm²
Output LED load	SEC +/-			cable 2x18AWG

Additional information	
Use	Independent or built-in for street lighting, up to 2000 m above sea level.
Features	All models have the following features: for LED; stabilized output current (CC) for LED module with multiple value load; 24V is only present in SUPERIOR models and it's for auxiliary device (SELV, Uout=30 V); short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa; AOC (Adjustable Output Current), CLO (CONSTANT LUMEN OUTPUT at 20 step), MIDNIGHT. D4i drivers have an integrated DALI bus power supply, and they can provide power to connected DALI devices on the bus; in luminaires, this greatly simplifies the incorporation of DALI sensors or other control devices that are solely powered from the DALI bus. Total circuit power: 34 W for STARLIGHT 30 200-900 EASY, 36 W for STARLIGHT 30 200-900 SUPERIOR, 42 W for STARLIGHT 36 SUPERIOR models, 40 W for other STARLIGHT 36 models, 67,8 W for STARLIGHT 60 SUPERIOR models, 66 W for other STARLIGHT 60 models, 97 W for STARLIGHT 90 200-1050 EASY, 98,5 W for STARLIGHT 90 200-1050 SUPERIOR; 100 W for STARLIGHT 90 200-1050 SUPERIOR IP67.
DC operation	All models are suitable for d.c. operation (EL symbol) and they have been tested in the rated supply range 186-250 V for the specific use in centralized emergency installations (extended range 167-275 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 independent models (for built-in model only Clauses 22.7.2, 22.7.3 and Annex 2 have been assessed). Emergency levels can be setted.
The creepage distances, clearances and connections of control gears shall be according to EN 60598-1 or national deviations of the country where installed in the final application. INSULATION (B= basic, S= supplementary, R= double or reinforced):	

	DALI NFC IP67 models	All other SELV models	STARLIGHT 90 models
PRI ↔ EQUI; PRI ↔ D4i, 24V	-	R	R
PRI ↔ DALI	R	-	-
PRI ↔ SEC, NTC	R	R	B
DALI ↔ SEC	R	-	-
D4i, 24V ↔ SEC, NTC	-	R	R
EQUI ↔ D4i, 24V	-	S	B
EQUI ↔ SEC, NTC	-	B	R
Assessment to EN 62493:2015, EN 62493:2022 has been performed. Assessment to EN IEC 62442-3:2022 has been performed.			