

# 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) : VEGA FPD IP67 (series)

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 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

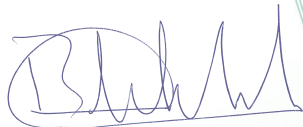
DEKRA hereby grants the right to use the ENEC certification mark.

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

Certificate number: 81-123555 REV.2

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



Miranda Zhou  
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)	: VEGA FPD IP67 (series)
Primary voltage	: 100-240V/277V or 100-277V
Nature of supply	: alternate current
Rated frequency	: 50/60 Hz
Primary current	: From 0,4 to 7,5 A
Output current	: From 0,75 to 12,5 A
Output power	: From 75 to 600 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 350964600.

**Additional information**

DEKRA test report No. 3500336.600 and 3500336.601 are laid down in DEKRA test file 350964600; they contain test results.

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

This certificate replaces certificate No. 81-123555 REV.1 which we hereby declare invalid.

The list of components is laid down in test report 3500336.600.

**Conclusion**

The examination proved that all requirements were met.

**Factory locations**

Huizhou MOSO Energy Technology Co., Ltd.  
Hongda International Industrial City, Luoyang Town, Boluo County  
516100 Huizhou City Guangdong, China

Moso Power Supply Technology Co., Ltd.  
Sangtai Industrial Park, Guanwai Xiaobaimang Songbai Road, Nanshan District  
518108 Shenzhen Guangdong, China

<b>General product information:</b> The devices are class I, independent LED drivers with metal enclosure filled with potting material. The LED drivers are constant current output types, and the output current can be adjusted by the dimming circuit. The supply voltage is 100-240/277 V 50/60 Hz or 100-277 V 50/60 Hz.								
Type/s	ac input current (A) [1]	Power factor	Output Power (W)	Output Current (A)	U <sub>OUT</sub> (Vdc)	ta (°C) [2]	tc (°C)	Use [3]
VEGA 75/940-1880 FPD IP67	1,1 0,4 <sup>▲</sup>	0,95 (Po>42 W)	75	0,94-1,88 0,19 <sup>■</sup>	70	50 (100-200 V) 60 (200-240 V, 277 V)	90	SELV, 110, DIM
VEGA 200/750-1500 FPD IP67	2,8 0,9 <sup>▲</sup>	0,95 (Po>97 W)	75	0,75-1,5 0,15 <sup>■</sup>	210	50 (100-200 V) 60 (200-240 V, 277 V)	90	ISO, 110, DIM
VEGA 480/5000-10000 12V FPD IP67	6 2,3 <sup>▲</sup>	0,95 (Po>301 W)	480	5-10 1 <sup>■</sup>	70	45 (100-200 V) 55 (200-240 V, 277 V)	90	SELV, 110, DIM, 12V
VEGA 600/875-1750 12V FPD IP67	7,5 2,8 <sup>▲</sup>	0,95 (Po>279 W)	600	0,875- 1,75 0,175 <sup>■</sup>	450	45 (100-200 V) 55 (200-240 V, 277 V)	90	ISO, 110, DIM, 12V
VEGA 600/6250-12500 12V FPD IP67	7,5 2,8 <sup>▲</sup>	0,95 (Po>262 W)	600	6,25-12,5 1,25 <sup>■</sup>	60	45 (100-200 V) 55 (200-240 V, 277 V)	90	SELV, 110, DIM, 12V

Notes: [1] – Supply: 100-240/277 V 50/60 Hz or 100-277 V 50/60 Hz; <sup>▲</sup> value at 277 V; <sup>■</sup> value at minimum dimming; [2] – ta min is -40 °C for all models; [3] – SELV=SELV output; ISO=isolating controlgear; 110=the products have an overheating protection (C.5.e thermistor) and comply with temperature limit of EN 60598-1:2015/A1:2018; DIM=dimnable; 12V=auxiliary output.

<b>Connections</b>		VEGA 75/940-1880 FPD IP67	VEGA 200/750-1500 FPD IP67	VEGA 480/5000-10000 12V FPD IP67	VEGA 600/875-1750 12V FPD IP67	VEGA 600/6250-12500 12V FPD IP67
Input supply	PRI	Tails 3x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>
Dimming control	DIM +, DIM-	Tails 2x 1 mm <sup>2</sup>	Tails 2x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>	Tails 3x 1 mm <sup>2</sup>
Auxiliary output	12+, 12-	-	-			
Output load	Vo+, Vo-	Tails 2x 1 mm <sup>2</sup> or 2x 18AWG	Tails 2x 1 mm <sup>2</sup> or 2x 18AWG	Tails 2x 1 mm <sup>2</sup> or 2x 18AWG	Tails 2x 1 mm <sup>2</sup> or 2x 18AWG	Tails 4* 16AVG
<b>Additional information</b>						
Use	Independent with enclosure IP67; up to 2000 m above sea level.					
Features	All models have the following features: for LED; stabilized output current (CC); multiple value load; short-circuit proof type; impulse withstand category II; Pollution degree 2; Material group IIIa. DIM port can be set for dimming; Constant Light Output (CLO) or midnight features are available. VEGA 480/5000-10000 12V FPD IP67, VEGA 600/875-1750 12V FPD IP67, VEGA 600/6250-12500 12V FPD IP67 have assistant output incorporated in the dimming circuit for the sensor/dimmer device: 12 V max. 300 mA 3,6 W. Total circuit power: 85-87 W for VEGA 75/940-1880 FPD IP67, 215-220 W for VEGA 200/750-1500 FPD IP67, 510-520 W for VEGA 480/5000-10000 12V FPD IP67, 635-650 W for VEGA 600/875-1750 12V FPD IP67, VEGA 600/6250-12500 12V FPD IP67.					
INSULATION (B= basic, S= supplementary, R= double or reinforced)						
PRI ↔ SEC, PRI ↔ DIM						R
SEC ↔ DIM, SEC ↔ 12V						S
12V ↔ DIM						-
PRI ↔ external of enclosure, SEC (other than SELV) ↔ external of enclosure						R

<p>Assessment to EN IEC 60598-2-1:2021 used in conjunction with EN IEC 60598-1:2021 has been performed. Assessment to EN 62493:2015 has been performed. Assessment to EN IEC 62442-3:2022 has been performed.</p>
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