

# 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 : Built-in LED drivers  
Trade name(s) : TCI LED  
Type(s)/model(s) : ASTRO 120W/350-1050 2PN, ASTRO 165W/350-1050 2PN,  
ASTRO 200W/350-1050 2PN, ASTRO 40W/350-1050 2PN and  
ASTRO 80W/350-1050 2PN

The product and any acceptable variation thereto is 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 the standard(s) EN 61347-1:2015, EN 61347-1:2015/A1:2021, EN 61347-2-13:2014, EN 61347-2-13:2014/A1:2017 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

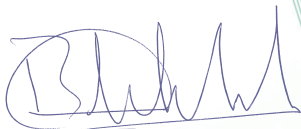
DEKRA hereby grants the right to use the ENEC certification mark.

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 27 March 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-122992

DEKRA Certification B.V.



B.T.M. Holtus  
Managing Director



K. Lin  
Certification Manager

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DUTCH ACCREDITATION  
COUNCIL



**SPECIFICATION OF THE CERTIFIED PRODUCT****Product data**

Product	: Built-in LED drivers
Trade name(s)	: TCI LED
Type(s)/model(s)	: ASTRO 120W/350-1050 2PN, ASTRO 165W/350-1050 2PN, ASTRO 200W/350-1050 2PN, ASTRO 40W/350-1050 2PN and ASTRO 80W/350-1050 2PN
Rated input voltage	: 200-240 V~
Rated frequency	: 50/60 Hz
Power factor	: 0,95
Output current	: 350-1050 mA
Ambient temperature (ta)	: -40-55°C
Additional information	: Built-in, non-inherently short circuit proof, 120 °C thermally protection, constant current type, double insulation

**Product data – type ASTRO 120W/350-1050 2PN**

Rated input current	: 1,0 A
Output voltage range	: 75-172 Vdc
Max. Uout	: 200 Vdc
Max. output watt	: 120 W
Max. case temperature (tc)	: 85°C
Additional information	: Isolating

**Product data – type ASTRO 165W/350-1050 2PN**

Rated input current	: 1,26 A
Output voltage range	: 105-236 Vdc
Max. Uout	: 260 Vdc
Max. output watt	: 165 W
Max. case temperature (tc)	: 90°C
Additional information	: Isolating

**Product data – type ASTRO 200W/350-1050 2PN**

Rated input current	: 1,6 A
Output voltage range	: 143-286 Vdc
Max. Uout	: 310 Vdc
Max. output watt	: 200 W
Max. case temperature (tc)	: 90°C
Additional information	: Isolating

**Product data – type ASTRO 40W/350-1050 2PN**

Rated input current	: 0,3 A
Output voltage range	: 20-57 Vdc
Max. Uout	: 70 Vdc
Max. output watt	: 40 W
Max. case temperature (tc)	: 85°C
Additional information	: SELV

**Product data – type ASTRO 80W/350-1050 2PN**

Rated input current	: 0,65 A
Output voltage range	: 35-115 Vdc
Max. Uout	: 140 Vdc
Max. output watt	: 80 W



Max. case temperature (tc) : 85°C  
Additional information : Isolating

## TESTS

### Test requirements

EN 61347-1:2015  
EN 61347-1:2015/A1:2021  
EN 61347-2-13:2014  
EN 61347-2-13:2014/A1:2017  
EN IEC 62384:2020

### Test result

The test results are laid down in DEKRA test file 438633000.

### Additional information

The list of components is laid down in test report 4386330.50,4386330.51.

### 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

Trade name(s): TCI LED stands for

