

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 : LED Power Supply
Trade name(s) : TCI
Type(s)/model(s) : ECO FLAT 10W 90/140/190/240, ECO FLAT 15W 250/275/325/350,
ECO FLAT 21W 350/400/450/500, ECO FLAT 30W 550/600/700/750 and
ECO FLAT 40W 800/900/950/1050

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, EN 62384:2006 and EN 62384:2006/A1:2009
- 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.

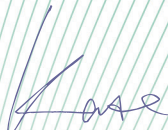
This certificate is issued on 17 June 2021 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 35-119262

DEKRA Certification B.V.



B.T.M. Holtus
Managing Director



K Xu
Certification Manager

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ACCREDITED BY THE
DUTCH ACCREDITATION
COUNCIL



SPECIFICATION OF THE CERTIFIED PRODUCT**Product data**

Product	: LED Power Supply
Trade name(s)	: TCI
Type(s)/model(s)	: ECO FLAT 10W 90/140/190/240, ECO FLAT 15W 250/275/325/350, ECO FLAT 21W 350/400/450/500, ECO FLAT 30W 550/600/700/750 and ECO FLAT 40W 800/900/950/1050
Rated voltage	: 220-240 Vac
Rated frequency	: 50/60 Hz
Degree of protection	: IP20
Normal working voltage	: 30-42 Vdc
No load working voltage	: 59 Vdc

Product data – type ECO FLAT 10W 90/140/190/240

Input current	: Max. 0,06 A
Power Factor	: 0,93C (Pout>8W)
Constant current	: 90-240 mA
Ambient temperature (ta)	: -20-50 °C
Max. case temperature (tc)	: 80 °C

Product data – type ECO FLAT 15W 250/275/325/350

Input current	: Max. 0,08 A
Power Factor	: 0,95 (Pout>10W)
Constant current	: 250-350 mA
Ambient temperature (ta)	: -20-50 °C
Max. case temperature (tc)	: 75 °C

Product data – type ECO FLAT 21W 350/400/450/500

Input current	: Max. 0,11 A
Power Factor	: 0,95 (Pout>18W)
Constant current	: 400-500 mA
Ambient temperature (ta)	: -20-50 °C
Max. case temperature (tc)	: 80 °C

Product data – type ECO FLAT 30W 550/600/700/750

Input current	: Max. 0,17 A
Power Factor	: 0,95 (Pout>22W)
Constant current	: 550-750 mA
Ambient temperature (ta)	: -20-50 °C
Max. case temperature (tc)	: 85 °C

Product data – type ECO FLAT 40W 800/900/950/1050

Input current	: Max. 0,22 A
Power Factor	: 0,95 (Pout>28W)
Constant current	: 800-1050 mA
Ambient temperature (ta)	: -20-45 °C
Max. case temperature (tc)	: 95 °C

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 62384:2006
EN 62384:2006/A1:2009

Test result

The test results are laid down in DEKRA test file 437471800.

Additional information

The list of components is laid down in test report 4374718.52.

Conclusion

The examination proved that all requirements were met.

Factory location

Intelligent Components Technology Zhuhai Ltd. (China)
No.912, Dexiang Road, Pingsha Town
519055 Zhuhai City Guangdong, China

Trade name(s) : TCI stands for



Model List:

No.	Model number	Input				Output					ta (°C)	tc (°C)	Protection Type	
		Voltage (VAC)	Max. Current (A)	Power Factor	Freq. (Hz)	Constant current (mA)	Current (mA)	Normal working voltage (VDC)	No load working voltage (VDC)	Max. Power (W)				
1	ECO FLAT 21W 350/400/450/500	220-240	0,11	0,95 (Pout> 18W)	50/60	350-500	350 400 450 500	30-42	59	14,7 16,8 18,9 21	-20-50	80	With terminal block cover: Independent, Class II; Without terminal block: Built-in, double insulation	
2	ECO FLAT 15W 250/275/325/350	220-240	0,08	0,95 (Pout> 10W)	50/60	250-350	250 275 325 350	30-42		10,5 11,6 13,6 14,7	-20-50	75		
3	ECO FLAT 10W 90/140/190/240	220-240	0,06	0,93C (Pout> 8W)	50/60	90-240	90 140 190 240	30-42		3,8 5,9 8,0 10,1	-20-50	80		
4	ECO FLAT 40W 800/900/950/1050	220-240	0,22	0,95 (Pout> 28W)	50/60	800-1050	800 900 950 1050	30-42 30-40		33,6 37,8 39,9 42	-20-45	95		
5	ECO FLAT 30W 550/600/700/750	220-240	0,17	0,95 (Pout> 22W)	50/60	550-750	550 600 700 750	30-42		23,1 25,2 29,4 31,5	-20-50	85		
Remark: 1. ECO FLAT 21W 350/400/450/500 and ECO FLAT 15W 250/275/325/350 have same circuit diagram and PCB layout except that electrical parameters and the components used in circuit. 2. ECO FLAT 10W 90/140/190/240 and ECO FLAT 21W 350/400/450/500 have same circuit diagram but have different PCB layout, electrical parameters and the components used in circuit. 3. ECO FLAT 40W 800/900/950/1050 and ECO FLAT 30W 550/600/700/750 have same circuit diagram and PCB layout except that electrical parameters and the components used in circuit. 4. All models have same dimension of the enclosure.														