

# 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

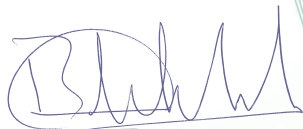
DEKRA hereby grants the right to use the ENEC certification mark.

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	30-42	59	14,7	-20-50	80	With terminal block cover: Independent, Class II; Without terminal block: Built-in, double insulation
							400			16,8			
							450			18,9			
							500			21			
2	ECO FLAT 15W 250/275/325/350	220-240	0,08	0,95 (Pout>10W)	50/60	250-350	250	30-42	59	10,5	-20-50	75	
							275			11,6			
							325			13,6			
							350			14,7			
3	ECO FLAT 10W 90/140/190/240	220-240	0,06	0,93C (Pout>8W)	50/60	90-240	90	30-42	59	3,8	-20-50	80	
							140			5,9			
							190			8,0			
							240			10,1			
4	ECO FLAT 40W 800/900/950/1050	220-240	0,22	0,95 (Pout>28W)	50/60	800-1050	800	30-42	59	33,6	-20-45	95	
							900			37,8			
							950			39,9			
							1050			42			
5	ECO FLAT 30W 550/600/700/750	220-240	0,17	0,95 (Pout>22W)	50/60	550-750	550	30-42	59	23,1	-20-50	85	
							600			25,2			
							700			29,4			
							750			31,5			

Remark:

- 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.
- 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.
- 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.
- All models have same dimension of the enclosure.