

## IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

## CB TEST CERTIFICATE

Product	Electronic controlgear for Light Emitting Diodes
Name and address of the Applicant	TCI Telecomunicazioni Italia S.r.l. Via Parma 14 21047 Saronno (VA) Italy
Name and address of the manufacturer	TCI Telecomunicazioni Italia S.r.l. Via Parma 14 21047 Saronno (VA) Italy
Name and address of the factory	TCI Telecomunicazioni Italia S.r.l. Via Parma 14 21047 Saronno (VA) Italy
Rating and principal characteristics	Input: 110-240 V, 50/60 Hz, I=0,10-0,24 A, $\lambda=$ 0,54-0,98 Output: stabilized current, Po=12-25 W, Vo max=59 V  For specific Model/Type electrical rating refer to Annex 1
Trademark (if any)	TCI or TN101
Customer's Testing Facility (CTF) Stage used	CTF Stage 3
Model / Type Ref.	DC W (series), DC WU (series), DC WU S (series), DC W HPF (series)
Additional information (if necessary may also be reported on page 2)	See Annex 1 for complete model/type reference
A sample of product was tested and found to be in conformity with IEC	IEC 61347-2-13:2014 Comments: This Amendment cover the addition of new models DC 16W 400mA W HPF and DC 16W 400mA W HPF OF
National differences / Comments	EU Group Differences, EU Special National Conditions
As shown in the test report Ref. No. which forms part of this certificate	2102480.50

This CB Test Certificate is issued by the National Certification Body:

Meander 1051, NL-6825 MJ Arnhem, Netherlands  
DEKRA Certification B.V.



Date: 2016-10-05

Firmato digitalmente da  
Signature: M.Triulzi **MASSIMILIANO TRIULZI**

**General product information:** the devices are controlgears for LED modules with SELV output. The devices have a stabilized output current.

Type/s	Primary voltage [1]	Max Pri. Current [A]	Power Factor	Sec. Power [W]	Sec. Parameter	no load Vo max [V]	t <sub>a</sub> [°C]	t <sub>c</sub> [°C]	Thermal Protection	Class (IPxx)	Classification
DC 17W 350mA WU S or K2151	110-240 V (50/60 Hz)	0,22	0,55-0,6 C [2]	12-17	350 mA	49	-25..50	80 [3]	100 °C [4]	II (IP20)	Independent
DC 17W 350mA WU S OF or K2715		0,11 [1]						80 [3]			Integral
DC 20W 500mA WU S or K2152	110-240 V (50/60 Hz)	0,24	0,55-0,6 C [2]	12-20	500 mA	45	-25..45	80 [3]	100 °C [4]	II (IP20)	Independent
DC 20W 500mA WU S OF or K2716		0,13 [1]						80 [3]			Integral
DC 12W 700mA WU or K2222	110-240 V (50/60 Hz)	0,23	0,54-0,65 C [2]	12	700 mA	21	-25..50	70	100 °C [4]	II (IP20)	Independent
DC 12W 700mA WU OF or K2238		0,08 [1]						80 [3]			Integral
DC 17W 700mA WU or K2239	110-240 V (50/60 Hz)	0,22	0,6 C [2]	12-17	700 mA	27	-25..50	70	100 °C [4]	II (IP20)	Independent
DC 17W 700mA WU OF or K2717		0,11 [1]						80 [3]			Integral
DC 22W 1050mA WU or K2240	110-240 V (50/60 Hz)	0,23	0,6 C [2]	12-22	1050 mA	24,1	-25..45	75	100 °C [4]	II (IP20)	Independent
DC 22W 1050mA WU OF or K2718		0,14 [1]						80 [3]			Integral
DC 18W 1400mA WU or K2721	110-240 V (50/60 Hz)	0,23	0,54-0,6 C [2]	12-18	1400 mA	15	-25..45	80 [3]	100 °C [4]	II (IP20)	Independent
DC 18W 1400mA WU OF or K2722		0,12 [1]						80 [3]			Integral
DC 17W 700mA W or K2017	220-240 V (50/60 Hz)	0,17	0,6 C [2]	17	700 mA	27	-25..50	70	100 °C [4]	II (IP20)	Independent
DC 17W 700mA W OF or K2719		0,11 [1]						80 [3]			Integral
DC 22W 1050mA W or K2031	220-240 V (50/60 Hz)	0,21	0,6 C [2]	22	1050 mA	24	-20..45	75	100 °C [4]	II (IP20)	Independent
DC 22W 1050mA W OF or K2720		0,14 [1]						80 [3]			Integral
DC 18W 350mA W HPF or K2703	220-240 V (50/60 Hz)	0,10	0,98 [2]	18	350 mA	59	-20..45	70	100 °C [4]	II (IP20)	Independent
DC 18W 350mA W HPF OF or K2704		0,12 [1]						80 [3]			Integral
<b>DC 16W 400mA W HPF or K2828</b>	220-240 V (50/60 Hz)	<b>0,10</b>	<b>0,97 [2]</b>	<b>16</b>	<b>400 mA</b>	<b>59</b>	<b>-20..45</b>	<b>70</b>	<b>100 °C [4]</b>	<b>II (IP20)</b>	<b>Independent</b>
<b>DC 16W 400mA W HPF OF or K2829</b>								<b>80 [3]</b>			<b>Integral</b>
DC 20W 500mA W HPF or K2705	220-240 V (50/60 Hz)	0,11	0,98 [2]	20	500 mA	59	-20..45	70	100 °C [4]	II (IP20)	Independent
DC 20W 500mA W HPF OF or K2706		0,13 [1]						80 [3]			Integral
DC 25W 600mA W HPF or K2707	220-240 V (50/60 Hz)	0,13	0,98 [2]	25	600 mA	59	-20..45	75	110 °C [4]	II (IP20)	Independent
DC 25W 600mA W HPF OF or K2708		0,16 [1]						80 [3]			Integral
DC 25W 700mA W HPF or K2709	220-240 V (50/60 Hz)	0,13	0,98 [2]	25	700 mA	48	-20..45	75	110 °C [4]	II (IP20)	Independent
DC 25W 700mA W HPF OF or K2710		0,16 [1]						80 [3]			Integral
DC 23W 900mA W HPF or K2711	220-240 V (50/60 Hz)	0,12	0,98 [2]	23	900 mA	40	-20..45	70	110 °C [4]	II (IP20)	Independent
DC 23W 900mA W HPF OF or K2712		0,15 [1]						80 [3]			Integral
DC 22W 1050mA W HPF or K2713	220-240 V (50/60 Hz)	0,12	0,98 [2]	22	1050 mA	35	-20..45	70	110 °C [4]	II (IP20)	Independent
DC 22W 1050mA W HPF OF or K2714		0,14 [1]						80 [3]			Integral

Notes: [1] – All models (DC 16W 400mA W HPF excluded) were tested also in 176-264 V d.c. operational range according to IEC 61347-2-13:2014 and they can be used for centralized emergency installations (EN 50171 and EN 50172) in the rated 196-240 V; Idc max in the label. [2] – Value at rated Po. [3] – Measured on the top of C<sub>2</sub> or C<sub>144</sub> (for DC W HFP models) capacitor. [4] – The products have an overheating protection (C.5.a type) and comply with temperature limit of clause 4.16.2 of EN 60598-1:2015; VDE 0710 T14 ("MM" triangle marking), EN 60598-1:2015; VDE 0710 T14 ("MM" triangle marking) except for HFP models.