



Ref. Certif. No.

**DK-2608**

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

SYSTEME CEI D'ACCEPTATION MUTUELLE DE  
CERTIFICATS D'ESSAIS DES EQUIPEMENTS  
ELECTRIQUES (IECEE) METHODE OC

**CB TEST CERTIFICATE**

**CERTIFICAT D'ESSAI OC**

Product  
Produit

Electronic control gear for Light Emitting Diodes

Name and address of the applicant  
Nom et adresse du demandeur

TDK-Lambda Singapore Ltd  
1008 Toa Payoh North #06-01/08 – Singapore 318996

Name and address of the manufacturer  
Nom et adresse du fabricant

VIETTRONICS BINH HOA JOINT STOCK COMPANY  
204 No Trang Long St., Ward 12  
Binh Thanh Dist., Ho Chi Minh city, VIETNAM  
See Appendix

Name and address of the factory  
Nom et adresse de l'usine

Note: When more than one factory, please report on page 2  
Note: Lorsque il y plus d'une usine, veuillez utiliser la 2<sup>eme</sup> page  
Ratings and principal characteristics  
Valeurs nominales et caractéristiques principales

Input: 100-240 Vac, 50/60 Hz, 1,1 A, λ=0,95, 95 W  
Output: 6,5 A; Vout 12 V; Vo max= 12 V;  
tc 85 °C; ta -30..+50 °C

Trademark (if any)  
Marque de fabrique (si elle existe)

TDK-Lambda

Type of Manufacturer's Testing Laboratories used  
Type de programme du laboratoire d'essais  
constructeur  
Model / Type Ref.  
Ref. De type

ALXYYY-ZZ-DDDD/EE, See Appendix

Additional information (if necessary may also be  
reported on page 2)  
Les informations complémentaires (si nécessaire,,  
peuvent être indiqués sur la 2<sup>eme</sup> page

A sample of the product was tested and found  
to be in conformity with  
Un échantillon de ce produit a été essayé et a été  
considéré conforme à la

IEC 61347-1(ed.2), IEC 61347-2-13(ed.1), IEC  
62384(ed.1), IEC 62384(ed.1);am1

As shown in the Test Report Ref. No. which forms part  
of this Certificate  
Comme indiqué dans le Rapport d'essais numéro de  
référence qui constitue partie de ce Certificat

10CA54481-1, 10CA54481-2, 10CA54481-3

This CB Test Certificate is issued by the National Certification Body  
Ce Certificat d'essai OC est établi par l'Organisme **National de Certification**

UL International Demko A/S, Lyskaer 8, P.O. Box 514, DK-2730  
Herlev, Denmark, Tel. +45 44 85 65 65, info.dk@dk.ul.com  
www.ul-europe.com

Signature:

Date: 2011-04-01

Jan-Erik Storgaard

Factories:

VIETTRONICS BINH HOA JOINT STOCK COMPANY  
 204 No Trang Long St., Ward 12  
 Binh Thanh Dist., Ho Chi Minh city, VIETNAM

Series / Models	Classification	V in V ~	I in A (at 100 V ac)	P in W	Hz	PF $\lambda$	IPXX
ALV60-12-5R0	built-in	100-240	0,8	73	50/60	0,95	20
ALV60-24-2R5	built-in	100-240	0,8	73	50/60	0,95	20
ALV60-36-1R7	built-in	100-240	0,8	73	50/60	0,95	20
ALV80-12-6R5	built-in	100-240	1,1	95	50/60	0,95	20
ALV100-24-3R8	built-in	100-240	1,2	108	50/60	0,95	20
ALV100-36-2R5	built-in	100-240	1,2	108	50/60	0,95	20

Series / Models	Rated output Current A	Vout max Vdc	P out W	Insulation class	ta (°C)	Tc (°C)
ALV60-12-5R0	5,0	12	60	II	-30..+50	80
ALV60-24-2R5	2,5	24	60	II	-30..+50	80
ALV60-36-1R7	1,7	36	60	II	-30..+50	80
ALV80-12-6R5	6,5	12	80	II	-30..+50	85
ALV100-24-3R8	3,8	24	90	II	-30..+50	90
ALV100-36-2R5	2,5	36	90	II	-30..+50	90

**Additional information (if necessary)**
**Information complémentaire (si nécessaire)**

Date: 2011-04-01

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Series / Models	Classification	V in V ~	I in A (at 100 V ac)	P in W	Hz	PF λ	IPXX
ALC60-42-1R4	built-in	100-240	0,8	72	50/60	0,95	20
ALC60-48-1R05	built-in	100-240	0,7	62	50/60	0,95	20
ALC80-48-1R7	built-in	100-240	1,1	99	50/60	0,95	20
ALC80-24-3R0	built-in	100-240	1,0	90	50/60	0,95	20
ALC80-24-3R3	built-in	100-240	1,1	99	50/60	0,95	20
ALC100-22-4R0	built-in	100-240	1,2	108	50/60	0,95	20

Series / Models	I output Current A	Vout range Vdc	Vout max Vdc	P out W	Insulation class	ta (°C)	Tc (°C)
ALC60-42-1R4	1,4	6 - 42	52	60	II	-30..+50	80
ALC60-48-1R05	1,05	6 - 48	60	55	II	-30..+50	80
ALC80-48-1R7	1,7	6 - 48	60	84	II	-30..+50	85
ALC80-24-3R0	3,0	6 - 24	32	85	II	-30..+50	85
ALC80-24-3R3	3,3	6 - 24	32	91	II	-30..+50	85
ALC100-22-4R0	4,0	6 - 22	28	89	II	-30..+50	90

Supplied electronic control gears for LED modules are protected against output short circuit

Overheating protection:



**Additional information (if necessary)**  
**Information complémentaire (si nécessaire)**

Date: 2011-04-01

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