	PERMANENT DOCUMENT	**ENEC 303 Annex AC**

Annex AC
to Routine Test Requirements for manufacturers
(as per Article 9 of the Agreement)

Lamp control gear covered by
EN 61347-2-10, -2-11, -2-12 and -2-13
EN 62384 to be used with part 2-13 (performance)

Approved by:	Electronic vote closed on 14 August 2019	Nr of pages: 3
Date of issue:	August 2019	
Supersedes:	PD ENEC 303 Annex AC - September 2012	Page 1 of 3

ETICS, the European Testing, Inspection and Certification System
Rue des Deux Églises, 29 - 1000 BRUSSELS – E-mail: secretariat@etics.org

Annex AC to PD ENEC 303

Lamp control gear covered by EN 61347-2-10, -2-11, -2-12 and -2-13 EN 62384 to be used with part 2-13 (performance)

1 **ROUTINE TESTS** (100%)

1.1 **Inspection**

Visual inspection shall take place to ensure that:

a) all specified labels are securely in place;
b) manufacturers' instructions are placed with the control gear, where necessary;
c) visual inspection of control gear for completeness and mechanical check against a checklist for the product.

1.2 **Operating check**

The control gear shall be connected with proper light source for the correct operating. Otherwise a circuit giving sufficient assurance of correct operating can be used, as alternative.

1.3 **Dielectric strength test**

Voltage test applied for a period of 1 second as indicated in the following table:

Application point of voltage test	Isolating control gears (SELV control gears) >200 and ≤450 V	Other control gears >50 and ≤1000 V
Between live parts (input and output live parts) and the body	1500 V a.c. or 1500√2 V d.c.	2 U + 1000 V a.c. or 2 U + 1000 √2 V d.c.
Between input live Parts and output live parts	3000 V a.c. or 3000√2 V d.c.	

In case of built-in or integral control gear testing shall be applied according to the final installation.

1.4 **Protective earth continuity** (only for class I)

In a circuit with an input between 6 and 12 V AC a current of 25 A (or 10 A as alternative) has to pass between the earthing terminal or earthing contact and each accessible metallic part that may become live in case of insulation defect.

Under any circumstances, the contact resistance must not exceed 0,5 Ω.

PRODUCT VERIFICATION TESTS (PVT)

2.1 Endurance test (at least once a year if included in the relevant performance standard). This test shall be carried out on the most critical type of each range of control gear.

2.2 Terminals, screws, current-carrying parts and connections (at least once a year).

2.3 Protection against accidental contact with live parts and creepage distances and clearances measurement (at least once a year).

2.4 Abnormal conditions (at least once a year).

_____