



**PERMANENT DOCUMENT**

**ENEC 303  
Annex PD**

**ENEC+: Annex PD to Routine and Product Verification  
Tests Requirements for manufacturers**

**Self-ballasted LED lamps for general lighting services  
with supply voltage > 50V – Performance requirements  
covered by EPRS 004**

Approved by:	Electronic vote closed on 3 August 2018	No. of pages: 2
Date of issue:	August 2018	Page 1 of 2
Supersedes:	New document	

# Annex PD to PD ENEC 303

## Self-ballasted LED lamps for general lighting services with supply voltage > 50V – Performance requirements covered by EPRS 004

### 1 ROUTINE TESTS/CHECKS (100%)

The routine tests and/or routine checks are verified by an appropriate quality plan implemented to give confidence of performance conformity for all manufactured items.

### 2 PRODUCT VERIFICATION TESTS (PVT)

The quality plan shall include details of at least the following tests:

- 2.1 Verification test for correct initial photometric and electrical characteristics
- 2.2 Verification test that LED module continues to operate at the  $t_p$  temperature for which the original luminaire performance data was valid

*Note:  $t_p$  temperature variation within 5°C are accepted.*

- 2.3 Verification audit of certified performance data verses published performance data.
- 2.4 Verification tests shall be performed on at least the number of samples detailed in Table 1:

TABLE 1	
Number of licences held	Number of samples* to be taken annually
1	1
2 to 8	2
9 to 25	3
26 to 90	4
>91	5

Note 1 – This sampling plan is based on OD ENEC324

Note 2 - \* Samples shall be selected to be representative of the breadth of different generic designs produced by the manufacturer.