



PERMANENT DOCUMENT

**ENEC 303
Annex B**

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

**Lighting chains covered by EN 60598-2-20
Rope lights covered by EN 60598-2-21**

Approved by:
Date of issue:
Supersedes:

electronic vote closed on 14 August 2019
October 2019
September 2000

Nr of pages: 2
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Annex B to PD ENEC 303

Lighting chains covered by EN 60598-2-20 Rope lights covered by EN 60598-2-21

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 luminaire, where necessary;
- c) visual inspection of luminaire for completeness and mechanical check against a check-list for the product.

1.2 Operating check

The lighting chains shall be connected with proper lamps (if not supplied with the chains) for the correct operating.

Otherwise a circuit giving sufficient assurance of correct operation can be used, as alternative.

Rope lights shall be connected to rated supply to check correct operation.

2 PERIODIC TESTS

2.1 Dielectric strength test (at least in 1% of the production) 1500 V for 1 sec.

Between live parts and external accessible parts.

Note: In alternative to electric strength test, the manufacturer may carry out the insulation test applying 500 V DC for 1 sec (minimum resistance 2 MΩ).

Note: 1% of the production means per single product not per length (e.g. per meter)

2.2 Protection of enclosure (at least once a year)

(For IP > than X2 only)

2.3 Pull test on cable of micro-cap (only for lighting chains with push-in lampholders) and for rope light end-cup.

(at least once a year).

2.4 Short-circuit test of rectifier (only for class II or class III LED rope light incorporating a rectifier unit)

(at least once a year).