



IEC 60570, Edition 4 (2003)
TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING
Electrical supply track systems for luminaires

R = Required by Lab

S = May be subcontracted

W = Witness testing

3PPS = Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
8.6	Mechanical suspension	Timer; Loads (variable); Conditioning cabinet (ta +15 °C); Force meter	R
8.6	Bending moment test	Timer; Conditioning cabinet (ta +15 °C); Bending moment device / equipment	R
8.7	Mechanical robustness	Test finger; Force gauge	R
8.9	Mechanical / Electrical endurance	Voltmeter; Ammeter; Equipment to provide load at power factor; Resistor; Inductor; High voltage transformer	R
8.10.1	Short circuit protection	Test probe D according to IEC 60598-1	R
8.10.2	Short circuit protection	Test chain according to Clause 4.26.3 of IEC 60598-1	R
8.11	Dimensions of liner	Digital calliper (or equivalent)	R
9	Creepage distances and clearances	Digital calliper (or equivalent)	R
10	Terminals	Test equipment according to IEC 60598-1 Clause 14 or 15	R
12.1/12.2	Temperature tests	Load devices; Ammeter, Timer; Temperature measuring devices; Draught proof enclosure	R



**IEC SYSTEM FOR CONFIRMITY TESTING
AND CERTIFICATION OF ELECTRICAL
EQUIPMENT**

COMMITTEE OF TESTING LABORATORIES

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
12.3.1	Thermal endurance test	Heating cabinet; Timer; Temperature measuring device (Plus test equipment as required for Clauses 8; 13.1 & 15.1)	R
12.3.2	Class III track temperature test	Equipment as per Clause 12.1/12.2 plus ammeter and voltmeter for mV drop measurements	R
13.1	Protection against electric shock	Test probe D according to IEC 60598-1	R
13.2	Protection against electric shock: Adaptors	Rigid test finger; Force gauge	R
14	Resistance to humidity	Humidity cabinet	R
15	Insulation resistance and electric strength	Mega ohmmeter; High voltage transformer, Timer	R
16	Provision for earthing	LV power supply capable of providing 25A; Voltmeter; Timer	R
17.1 17.2	Track: Ball pressure test Track components: Ball pressure test	Ball pressure test apparatus; Heating cabinet (see also CTL D.S. N. 391.mod), Timer; Digital calliper (or equivalent); Temperature measuring device	R