

**TESTING AND MEASURING EQUIPMENT/ALLOWED SUBCONTRACTING  
IEC 62717 Edition 1 2014 – A1:2015**

**LED modules for general lighting – Performance requirements**

- “R” Required
- “S” May be subcontracted, see OD 2012
- “SF” Specialized Facility, see IECEE 02-2
- “W” Witness testing in the categories “MED” and “MEAS”
- “3PPS” Three Phase Power Supply required

Clause	Measurement/testing	Testing / measuring equipment / material needed	Subcontracting
7, Annex A	Module power	Draught free room, Stabilized supply voltage or current, power meter, voltage meter, current meter temperature measuring system with thermo couple	<b>R</b>
8.1	Luminous flux	Goniophotometer or Ulbrichts sphere with measuring system, calibrated lamps source, temperature measuring system with thermo couple for tp point	<b>R</b>
8.2.3 8.2.4 8.2.5	- Luminous intensity distribution - Peak intensity value - Beam angle value	Goniophotometer with measuring system, calibrated lamps source, temperature measuring system with thermo couple for tp point	<b>R</b>
9	Chromaticity co-ordinates, CCT,CRI	Spectral measurement device system	<b>R</b>
10	LED module life	Temperature chambers (-10°C, +50°C), Stabilized room with test racks, timer, cycling controller	<b>R</b>