

CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60927/2007 A1/2013	12.1 – 12.2	DSH 0994A	2017
Category			
LITE			
Subject	Keywords	Developed by	Approved at
Endurance test for built-in ignitors in the rectifying test circuit	- Test quantity - Additional ignitors - 30 days	ETF5-OSM/LUM	2018 CTL Plenary Meeting
Question			
<p>1) According to the § 12.1 of IEC 60927 the test quantity shall consist of two additional ignitors for the test as specified in the third paragraph of 12.2: “Ignitors intended to be connected in series with discharge lamps which could, according to the specification lead to ballast / ignitor overheating, are tested additionally under conditions with maximum case temperature brought to $(t_c + X)^\circ\text{C}$ and with rectifying test circuit in accordance with IEC 60598-1, § 12.5 and Annex C”.</p> <p>In doing so, if we test ignitors intended to be built-in, without replaceable switching elements, the ignitors shall be subjected to 30 days continuous operations so that the lamp current is adjusted to maximum (by varying the resistor R2), but in any case not higher than three times the normal lamp current. The test voltage is 1,06 times the rated supply voltage of the ballast. Our experience shows that some ignitors reach the maximum case temperature at room temperature in this circuit, when they are placed on a wood board. Can the test be performed in this arrangement and the type accepted if after the test both ignitors comply with the relevant requirements? If the answer is no, how shall the test be performed?</p> <p>2) Is it acceptable that the marking point for t_c and $(t_c + X)$ would be at different places on the ignitor?</p>			
Decision			
<p>1) Yes. 2) No.</p>			
Explanatory notes			
