

CTL Provisional DECISION SHEET

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60598-2-4:2017	0.5 - 12	PDSH 2175	2021
Category			
LITE			
Subject	Keywords	Developed by	To be approved
Temperature at foreign objects	<ul style="list-style-type: none"> - Wireless power transfer - Foreign objects - Temperature 	CTL-ETF5 - OSM/LUM	2022 CTL Plenary Meeting
Question			
<p>Table luminaires often have an integrated component for wireless power transfer which is tested against IEC 62368-1:2018. IEC 60598-1 Clause 0.5 is followed for components.</p> <p>In the test of foreign objects (metal) detection in IEC 62368-1 Clause 9.6, the temperature of foreign objects is allowed to reach 70°C (in some cases IEC 60368-2 also allows 80°C).</p> <p>On the other hand, in IEC 60598-1 Clause 12.4, the temperature limit of metal parts that may be touched is 60°C.</p> <p>Is it acceptable for such wireless power transfer components to meet the higher temperature limits of IEC 62368-1:2018 Clause 9.6, when it is built into a luminaire?</p>			
Decision			
<p>Yes, this is acceptable. The lower limit of IEC 60598-1 need not be applied.</p> <p>It is acceptable for the wireless power transfer components to meet the higher temperature limits of IEC 62368-1:2018 Clause 9.6, when it is built into a luminaire.</p> <p>Note: The test of IEC 62368-1 Clause 9.6 and the test of IEC 60598-1 Clause 12.4 are two different tests and the limits shall not be compared with each other.</p>			
Explanatory notes			
None.			