

## CTL Provisional DECISION SHEET

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60598-2-4:2017 EN 60598-2-4:2018	0.5 - 12	PDSH 2175	2021
<b>Category</b>			
LITE			
Subject	Keywords	Developed by	To be approved
Temperature at foreign objects	<ul style="list-style-type: none"> <li>- Wireless power transfer</li> <li>- Foreign objects</li> <li>- Temperature</li> </ul>	CTL-ETF5 - OSM/LUM	2022 CTL Plenary Meeting
<b>Question</b>			
<p>Table luminaires do often have an integrated component for wireless power transfer which is tested against its standard IEC 62368-1:2018. The IEC 60598-1 clause 0.5 is followed for components.</p> <p>During the test of foreign objects (metal) detection in IEC 62368-1 clause 9.6 the temperature of the foreign objects is allowed to reach 70°C (in some cases according to IEC 60368-2 also 80°C).</p> <p>In IEC 60598-1 clause 12.4 the limit for metal parts that are maybe touched is max. 60°C.</p> <p>Can such wireless power transfer component be accepted when meeting the higher temperature limits of the IEC 62368-1:2018 clause 9.6 and built-in into a luminaire?</p>			
<b>Decision</b>			
<p>Yes, this is acceptable, the lower limit of the IEC 60598-1 will not be applied.</p> <p>The wireless power transfer component can be accepted when meeting the higher temperature limits of the IEC 62368-1:2018, § 9.6 and built-in into a luminaire ».</p> <p>Note:                      The test of §9.6 of IEC 62368-1 and the test of IEC 60598-1 §12.4 are 2 different test and the limits shall not be compared</p>			
<b>Explanatory notes</b>			
none			