

## CTL DECISION SHEET

<b>Standard:</b> IEC/EN 60598-1 IEC/EN 60598-2-6 IEC/EN 61347-2-11 IEC/EN 61347-2-13 IEC/EN 60825-1	<b>Sub clause:</b> General Section 12	<b>Sheet N°:</b> 005/06.m  <b>Page:</b> 1(1)
<b>Subject:</b> Luminaires provided with LEDs	<b>Key words:</b> - Control gears - Section 12 - IEC/EN 60825-1	<b>Meeting:</b> Decision confirmed at 44 <sup>th</sup> CTL meeting
<p><b>Question:</b> Is it possible to issue approvals on luminaires provided with LEDs light source?</p> <p><b>Decision:</b> Yes, provided that:</p> <ul style="list-style-type: none"> <li>- the LED circuit shall be verified according to IEC/EN 61347-2-13 or IEC/EN 61347-2-11 (*) and LED shall be tested according to IEC/EN 60825 –1 (Safety of laser products), only if it has laser radiation in the wavelength range from 180 nm to 1 mm. Only LEDs classified as Class 1 lasers can be used without problems for lighting purposes without protection.</li> <li>- The thermal tests required in Section 12 of IEC/EN 60598-1 shall be carried out as follows: luminaires (Class I or II) with built-in control gear can be tested according to the requirements of IEC/EN 60598-2-6. Class III luminaires: the luminaires manufacturer shall provide on the instructions all the necessary information to supply the LED circuit correctly or shall inform the Testing Station about the trade mark, the type and the technical characteristics of the appropriate control gear. We can have three different control gears: the type and the trade mark indicated by the luminaire manufacturer; an electronic control gear clearly specified on the luminaire instructions; a ferromagnetic control gear. The tests shall be carried out as required in Section 12 according to IEC/EN 60598-2-6 with the appropriate control gear.</li> </ul> <p>(*) When IEC/EN 62031 (34A/1168/CDV) will be published, it will takes over IEC/EN 61347-2-11.</p> <p><b>Explanatory notes:</b> The matter is under discussion in Lumex/Comex; we wait for the relevant outcome.</p>		