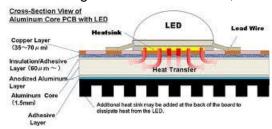
## **CTL DECISION SHEET (DSH)**

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 62031:2018	General	DSH1086b	2023
IEC 60598-1:2014+A1:2017			
IEC 61347-1:2015+A1:2017			
IEC 62560:2011+A1:2015			
Category			
LITE			
Subject	Keywords	Developed by	To be approved
Insulation class MCPCB material used for LED modules	<ul><li>Insulation between tracks</li><li>Insulation layer</li><li>Metal Core PCB</li></ul>	ETF5	2023 CTL Plenary Meeting

## Question

Is it possible to qualify the insulation layer between the track conductors and aluminium core in Metal Core PCB as an insulation layer providing reinforced insulation according to the following standards: EN 62031,EN 60598-1, EN 61347-1, EN 62560?



## **Decision**

This is covered under § 16.1 of IEC 61347-1:2014+A1:2017

The insulation properties of printed circuit board over a metallic substrate (metal core printed circuit board – MCPCB) are only to be considered as a single level of insulation (basic or supplementary).

## **Explanatory notes**

This decision updates the old decision sheet DSH1086A to be in line with NEW standard editions.