

## CTL DECISION SHEET (DSH)

Standard(s) (incl. year)	Subclause(s)	Tracking No.	Year
IEC 60598-1 :all editions	Cl. 4.13	DSH 2193	2023
<b>Category</b>	Cl. 4.		
LITE			
Subject	Keywords	Developed by	To be approved
Mechanical strength	IK Condition of acceptance	ETF5	2023 CTL Plenary Meeting

### Question



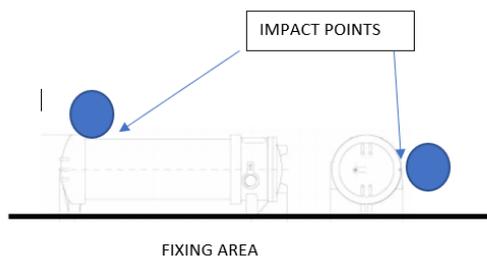
The IK10 test is carried out according to IEC TR 62696.  
 Two different fixing systems are included with the luminaire:

a) For ceiling wall mounting:

b) For suspended mounting:



For fixings a) and b), the IK10 test is carried out according to IEC TR 62696. The weakest impact points for both cases are shown in the following scheme.



After the test, the following situations are presented:

- a) The sample complies with all the requirements of clause 4.13 but the luminaire is broken from one of the fixings situated at the end of the enclosure.
- b) The sample comply with all requirements of clause 4.13 but one of the fixings of the luminaire is deformed/or moved.

According to the cl. 4 of IEC TR 62696, the luminaire must be complied with the criteria of 4.13 of IEC 60598-1 and the fixings of the luminaire to the mounting surface should remain secure.

However, criteria for proving the security of the fixing to the mounting surface after the IK10 test, is not clearly defined and different interpretations could arise.

**Decision**

The luminaire complies with the IK10 code if the requirements of the clause 4.13 and clause 4.14 are fulfilled on the tested sample.

**Note: None of the fixing shall be broken**

Situation a) is not allowed

Situation b) can be accepted if in compliance with cl. 4.14

**Explanatory notes**

This question has been discussed and approved during OSM/ETF5 meeting 2021