

## CHARACTERIZATION PROCESS

Please take into account that the performance of “DIMinBOX” devices is not only influenced by the luminaire models. Other variables such as the length and section of the cable used, splices, etc. affect the performance, to a greater or lesser extent. In order to define the appropriate parameterization of a “DIMinBOX” device in a specific installation, the following steps must be accomplished:

1. Verify that the installed power on the device doesn't overcome the limits specified on the datasheet.
2. Depending on the luminaire type, the following configurations are advised for the characterization process:
  - a. 12VDC lamp with electronic transformer → Both dimming edge types (leading and trailing).
  - b. 12VDC lamp with capacitive transformer → Trailing dimming edge only.
  - c. 12VDC lamp with inductive transformer → Leading dimming edge only.
  - d. 230VAC lamp → Both dimming edge types (leading and trailing).
3. Steps for the characterization process in a specific installation:
  - a. Select, by using the appropriate test objects, one of the two dimming edges.
  - b. Verify, by using the absolute dimming objects with “at once” dimming speed, the percentage at which all the luminaires begin to turn on. This percentage defines the **minimum dimming level**.
  - c. Verify that the “at once” and the “smooth” dimming speed show no problems, such as errors or flashing. If no problems are found, defining a maximum dimming level is not required.
  - d. If problems are detected in the installation during the previous step, verify through “at once” and “smooth” dimming speed orders the percentage at which the problems appear. This percentage defines the **maximum dimming level**.
  - e. Proceed with the above steps under different dimming curves and under the two dimming edges (if applicable) to ensure the best parameterization for the particular installation being characterized.