

# Cleaning of LEDs

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# Cleaning of LEDs

**Abstract:** Cleaning of LEDs is an important process. It can damage and affect the function of the device. During the handling and assembling of the LEDs, there may be a need to clean them. This document will describe the recommended processes for cleaning the LEDs.



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## 1. Introduction to LED cleaning

This document refers to the processes or steps that are employed to ensure that LEDs remain free from contaminants or other foreign materials that could have an adverse impact on their proper functioning and performance. Due to their sensitive nature, LEDs are produced and packaged in a controlled, and clean environment to avoid any contamination.

Though we recommend strictly following the instructions (given in the corresponding data sheet) to use our products, the LEDs can be contaminated after the opening of the packing, during soldering, or through improper storage and usage.

The cleaning of the LEDs can involve different challenges like removal and neutralization of the effects of multiple kinds of containments. Therefore, various cleaning processes are used to clean the LEDs depending on the level of contamination. The cleaning processes include dry, wet and ultrasonic cleaning.

## 2. LED cleaning methods

### 2.1 Dry cleaning

Dry cleaning is the process to clean the slight dirt from the LEDs. It can be done by using a clean, lint-free swab. You can also use clean dry air to blow the dirt from the LEDs. Do not clean LEDs using excessive force or excessive pressure.

### 2.2 Wet cleaning

Wet cleaning can be done in the event of additional cleaning by using a lint-free swab slightly damped in IPA. We recommend not using this method excessively.

### 2.3 Ultrasonic cleaning

LEDs may not be cleaned using the ultrasonic cleaning method as this may cause damage to them.

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