

UNECE approach for „filament-replacement” LED light sources in R37

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R37

Title of the Regulation

Uniform provisions concerning the approval of filament lamps light sources and of filament-replacement LED light sources for use in approved lamps of power-driven vehicles and of their trailers

Definition in R 48:

2.9.1.4. "Filament light source " means a light source where the ~~only~~ element for visible radiation is one or more filaments producing light.

Such a Filament light source could be either:

- a filament lamp (*type thermal*) or
- a Filament light source type LED.

2.9.1.4.1. "Filament lamp" means a light source where the only element for visible radiation is one or more *heated* filaments producing light by thermal radiation.

2.9.1.4.2. "Filament light source type LED" means a light source where the only element for visible radiation is one or more filaments producing light by LED.

2.9.1.4.3 definiton „filament“: „a small cylinder emitting light“ (maybe need to be improved)

1. Scope

This Regulation applies to filament light sources shown in Annex 1 and intended for use in approved lamps of power-driven vehicles and of their trailers.

For the usage of the nomenclature:

filament light sources

– for all general paragraphs independent of the technology;

filament lamp

- for all specific procedures for filament lamps;

filament light sources type LED

- for all specific procedures for filament light sources where the light is produced by LED;