

WEEELABEX Organisation - OFFICIAL STATEMENT	
Issue ID:	2025_001
Issue Category:	Sorting, treatment and depollution
Issue Name:	Treatment of LED luminaires and LED lamps
Issue Description:	<p>Which WEEELABEX stream is the right one for LED luminaires and LED lamps?</p> <p>What are the treatment and depollution requirements for LED luminaires and LED lamps?</p>
WEEELABEX Organisation Statement	<p>Classification of LED lamps and LED luminaires based on the WEEE Directive:</p> <ul style="list-style-type: none"> • <u>LED luminaires</u> Luminaires are mentioned, depending on dimension, in the Large equipment (WEEE category 4), and in the Small equipment (WEEE category 5) • <u>LED lamps</u> LED lamps are mentioned, regardless of dimension or shape, in the Lamps (WEEE category 3) <p>Definition of LED luminaires and LED lamps: Exact definitions are not mentioned in the WEEE directive, but within the WEEELABEX certification process we can use the following general suitable definitions:</p> <ul style="list-style-type: none"> • <u>Luminaires</u> are electrical devices used to create artificial light by use of an electric lamp or integrated LED module, which primary function is to deliver light. The energy supply could be via cable or batteries. The light source can be attached to the fixture via a socket, via another electrical connection or could be an integrated part of the luminaire. • <u>Lamps</u> are replaceable electrical devices that produce light from electricity. They are intended to be used in luminaires amongst other devices. These lamps usually have a base made of ceramic, metal, glass or plastic, which secures the lamp in a standardized socket to allow the replacement of the lamp without tools. <p>Therefore, within the WEEELABEX certification process, the following classifications and requirements shall be used:</p> <ul style="list-style-type: none"> - All LED luminaires shall be classified as the WEEE category 4 or 5 based on dimensions (this may contain standard household luminaires, but also Christmas lights and chains and all other LED containing lighting equipment). Therefore, LED luminaires should be included in the WEEELABEX "<u>MIXED EQUIPMENT</u>" or "<u>LARGE APPLIANCES</u>" stream with no special depollution requirements. - All LED lamps shall be classified as the WEEE category 3 (this mainly contains LED compact/retrofit lamps, LED straight tubes). However,

	<p>within the WEEELABEX certification process the following scenarios may apply:</p> <ul style="list-style-type: none"> ○ LED lamps can be either included in the WEEELABEX "<u>LAMPS</u>" stream and treated accordingly in the dedicated lamps treatment technology (especially where the LED lamps are collected and received together with gas discharge lamps and particularly if there is a risk of mercury contamination), or ○ in the case of LED lamps collected and received together with small or large equipment, or correctly sorted by a Lamps treatment operator to ensure they are not contaminated by mercury, they may also be included in the WEEELABEX "<u>MIXED EQUIPMENT</u>" or "<u>LARGE APPLIANCES</u>" stream and treated using conventional recycling technology with no special depollution requirements. In this case, the recycling and recovery target values defined for WEEE category 3 shall apply correctly.
Date of Issue / Date of revision:	07th July 2025 / 0
Come into effect:	For each on-going and new Conformity Verification process
Status of the Statement:	Final Statement - defrev_01

Attachment: Examples of luminaires and lamps

LED LUMINAIRES

Large LED luminaires
(included in the “LARGE
APPLIANCES” stream)



Christmas light chains
(included in the “MIXED
EQUIPMENT” stream)



Small LED luminaires
(included in the “MIXED
EQUIPMENT” stream)



LAMPS

LED tubes (included in the
“LAMPS” or “LARGE
APPLIANCES” stream)



LED bulbs (included in the
“LAMPS” or “MIXED
EQUIPMENT” stream)



LED bulbs (included in the
“LAMPS” or “MIXED
EQUIPMENT” stream)

