



Harmonized System Code

Amendments for the HS 2017 Revision regarding Light-Emitting Diode (LED) and Organic Light-Emitting Diode (OLED) Components and Products

Industry Proposal

Introduction

The purpose of this proposal is to create headings and sub-headings together with appropriate chapter notes for the 2017 revision of the HS code that will identify the great majority of LED/OLED products and components which are not sufficiently accommodated by the current HS version.

The proposal contains a Main Request and an Auxiliary Request and suggests amendments for the following HS headings (HS 2012):

8512 Electrical lighting or signalling equipment (excluding articles of heading 8539), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles.

8513 Portable electric lamps, designed to function by their own source of energy (for example, dry batteries, accumulators, magnetos), other than lighting equipment of heading 8512.

8539 Electric filament or discharge lamps, including sealed beam lamp units and ultraviolet or infra-red lamps; arc lamps;

8541 Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; mounted piezoelectric crystals.

9405 Lamps and lighting fittings including searchlights and spotlights and parts thereof, not elsewhere specified or included; illuminated signs, illuminated name-plates and the like, having a permanently fixed light source, and parts thereof not elsewhere specified or included.

In **blue text** you will find the suggested amendments and deletions in the different headings and chapter notes as defined in the current HS 2012.

The first part of this document contains our Main Request. The APPENDIX contains an Auxiliary Request as fallback proposal with an alternative classification option for LED/OLED products.

MAIN REQUEST

Proposal for New Chapter 85 Notes – Main Request

Light-emitting diodes respectively Organic light-emitting diode tiles are semiconductor devices based on in-organic respectively organic semiconductor materials which convert electrical energy into visible, infra-red or ultra-violet rays, whether or not combined with Zener diodes for protection only and whether or not assembled in modules, combined for all intents and purposes indivisibly.

Semiconductor lamps respectively Semiconductor light sources are lamps respectively light sources containing light-emitting diodes or organic light-emitting diode tiles.

Light-emitting diode assemblies respectively Organic light-emitting diode assemblies are assemblies for the generation of light consisting of printed circuits containing light emitting-diodes respectively organic light emitting-diode tiles. They may also contain discrete active elements, discrete passive elements, articles of heading 8536 or 8542.

Proposal for Heading 8512 and Sub-Headings – Main Request

8512 Electrical lighting or signalling equipment (excluding articles of heading 8539), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles:

[DELETE 8512 10] - Lighting or visual signalling equipment of a kind used on bicycles

8512 11 - - Of a kind used with a semiconductor light source

8512 12 - - Other

[DELETE 8512 20] - Other lighting or visual signalling equipment

8512 21 - - Of a kind used with a semiconductor light source

8512 22 - - Other

8512 30 - Sound signalling equipment

8512 40 - Windscreen wipers, defrosters and demisters

8512 90 - Parts

Proposal for Heading 8513 and Sub-Headings – Main Request

8513 Portable electric lamps, designed to function by their own source of energy (for example, dry batteries, accumulators, magnetos), other than lighting equipment of heading 8512:

[DELETE 8513 10] - Lamps

8513 11 - - Of a kind used with a semiconductor light source

8513 12 - - Other

8513 90 - Parts

Proposal for Heading 8539 and Sub-Headings – Main Request

8539 Electric filament or discharge lamps, including sealed beam lamp units and ultraviolet or infra-red lamps; arc lamps; semiconductor lamps, light-emitting diode assemblies or organic light-emitting diode assemblies:

- 8539 10
 - Sealed beam lamp units
 - Other filament lamps, excluding ultraviolet or infra-red lamps:
- 8539 21
 - - Tungsten halogen
- 8539 22
 - - Other, of a power not exceeding 200 W and for a voltage exceeding 100 V
- 8539 29
 - - Other
 - Discharge lamps, other than ultraviolet lamps:
- 8539 31
 - - Fluorescent, hot cathode
- 8539 32
 - - Mercury or sodium vapour lamps; metal halide lamps
- 8539 39
 - - Other
 - Ultraviolet or infra-red lamps; arc lamps:
- 8539 41
 - - Arc lamps
- 8539 49
 - - Other
- Semiconductor lamps, light-emitting diode assemblies or organic light-emitting diode assemblies
- 8539 51
 - - Semiconductor lamps
- 8539 52
 - - Light-emitting diode assemblies
- 8539 53
 - - Organic light-emitting diode assemblies
- 8539 59
 - - Other
- 8539 90
 - Parts

Proposal for Heading 8541 and Sub-Headings – Main Request

8541 Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; light-emitting diodes; organic light-emitting diode tiles; mounted piezoelectric crystals:

- 8541 10 - Diodes, other than photosensitive or light-emitting diodes
 - Transistors, other than photosensitive transistors:
- 8541 21 - - With a dissipation rate of less than 1 W
- 8541 29 - - Other
- 8541 30 - Thyristors, diacs and triacs, other than photosensitive devices

- 8541 40 - Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; [DELETE light-emitting diodes;]

- 8541 41 - Light-emitting diodes
- 8541 42 - Organic light-emitting diode tiles

- 8541 50 - Other semiconductor devices
- 8541 60 - Mounted piezoelectric crystals
- 8541 90 - Parts

Proposal for Heading 9405 and Sub-Headings – Main Request

9405 Luminaires [DELETE Lamps] and lighting fittings including searchlights and spotlights and parts thereof, not elsewhere specified or included; illuminated signs, illuminated name-plates and the like, having a permanently fixed light source, and parts thereof not elsewhere specified or included.

[DELETE 9405 10] - Chandeliers and other electric ceiling or wall lighting fittings, excluding those of a kind used for lighting public open spaces or thoroughfares:

9405 11 -- Of a kind used with a semiconductor light source

9405 12 -- Other

[DELETE 9405 20] - Electric table, desk, bedside or floor-standing lamps

9405 21 -- Of a kind used with a semiconductor light source

9405 22 -- Other

[DELETE 9405 30] - Lighting sets of a kind used for Christmas trees

9405 31 -- Of a kind used with a semiconductor light source

9405 32 -- Other

[DELETE 9405 40] - Other electric luminaires [DELETE lamps] and lighting fittings

9405 41 -- Of a kind used with a semiconductor light source

9405 42 -- Other

9405 50 - Non-electrical lamps and lighting fittings

[DELETE 9405 60] - Illuminated signs, illuminated nameplates and the like

9405 61 -- Of a kind used with a semiconductor light source

9405 62 -- Other

- Parts:

9405 91 -- Of glass

9405 92 -- Of plastic

9405 99 -- Other

APPENDIX – Auxiliary Request

This **Auxiliary Request** suggests an alternative classification not yet making a distinction between LED and OLED lighting products on HS level.

Compared to the Main Request, the **Auxiliary Request** suggests different Chapter Notes and different Headings/Sub-Headings for 8539 and 8541, whereas Headings/Sub-Headings 8512, 8513 and 9405 are the same as for the Main Request.

Proposal for New Chapter 85 Notes – Auxiliary Request

Semiconductor lighting devices are semiconductor devices based on in-organic or organic light-emitting semiconductor materials which convert electrical energy into visible, infra-red or ultra-violet rays, whether or not combined with Zener diodes for protection only and whether or not assembled in modules, combined for all intents and purposes indivisibly.

Semiconductor lamps respectively Semiconductor light sources are lamps respectively light sources containing semiconductor lighting devices.

Semiconductor lighting assemblies are assemblies for the generation of light consisting of printed circuits containing semiconductor lighting devices. They may also contain discrete active elements, discrete passive elements, articles of heading 8536 or 8542.

Proposal for Heading 8512 and Sub-Headings – Auxiliary Request

(same as Main Request)

8512 Electrical lighting or signalling equipment (excluding articles of heading 8539), windscreen wipers, defrosters and demisters, of a kind used for cycles or motor vehicles:

[DELETE 8512 10] - Lighting or visual signalling equipment of a kind used on bicycles

8512 11 - - Of a kind used with a semiconductor light source

8512 12 - - Other

[DELETE 8512 20] - Other lighting or visual signalling equipment

8512 21 - - Of a kind used with a semiconductor light source

8512 22 - - Other

8512 30 - Sound signalling equipment

8512 40 - Windscreen wipers, defrosters and demisters

8512 90 - Parts

Proposal for Heading 8513 and Sub-Headings – Auxiliary Request *(same as Main Request)*

8513 Portable electric lamps, designed to function by their own source of energy (for example, dry batteries, accumulators, magnetos), other than lighting equipment of heading 8512:

[DELETE 8513 10] - Lamps

8513 11 - - Of a kind used with a semiconductor light source

8513 12 - - Other

8513 90 - Parts

Proposal for Heading 8539 and Sub-Headings – Auxiliary Request

8539 Electric filament or discharge lamps, including sealed beam lamp units and ultraviolet or infra-red lamps; arc lamps; semiconductor lamps and semiconductor lighting assemblies:

- 8539 10
 - Sealed beam lamp units
 - Other filament lamps, excluding ultraviolet or infra-red lamps:
- 8539 21
 - - Tungsten halogen
- 8539 22
 - - Other, of a power not exceeding 200 W and for a voltage exceeding 100 V
- 8539 29
 - - Other
 - Discharge lamps, other than ultraviolet lamps:
- 8539 31
 - - Fluorescent, hot cathode
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- 8539 39
 - - Other
 - Ultraviolet or infra-red lamps; arc lamps:
- 8539 41
 - - Arc lamps
- 8539 49
 - - Other
- Semiconductor lamps, semiconductor lighting assemblies
- 8539 51
 - - Semiconductor lamps
- 8539 52
 - - Semiconductor lighting assemblies
- 8539 59
 - - Other
- 8539 90
 - Parts

Proposal for Heading 8541 and Sub-Headings – Auxiliary Request

8541 Diodes, transistors and similar semiconductor devices; photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; semiconductor lighting devices; [DELETE light-emitting diodes;] mounted piezoelectric crystals:

- 8541 10 - Diodes, other than photosensitive or semiconductor lighting devices [DELETE light-emitting diodes]
 - Transistors, other than photosensitive transistors:
- 8541 21 - - With a dissipation rate of less than 1 W
- 8541 29 - - Other
- 8541 30 - Thyristors, diacs and triacs, other than photosensitive devices

- 8541 40 - Photosensitive semiconductor devices, including photovoltaic cells whether or not assembled in modules or made up into panels; [DELETE light-emitting diodes;]

- 8541 41 - Semiconductor lighting devices

- 8541 50 - Other semiconductor devices
- 8541 60 - Mounted piezoelectric crystals
- 8541 90 - Parts

Proposal for Heading 9405 and Sub-Headings – Auxiliary Request

(same as Main Request)

9405 Luminaires [DELETE Lamps] and lighting fittings including searchlights and spotlights and parts thereof, not elsewhere specified or included; illuminated signs, illuminated name-plates and the like, having a permanently fixed light source, and parts thereof not elsewhere specified or included.

[DELETE 9405 10] - Chandeliers and other electric ceiling or wall lighting fittings, excluding those of a kind used for lighting public open spaces or thoroughfares:

9405 11 - - Of a kind used with a semiconductor light source
9405 12 - - Other

[DELETE 9405 20] - Electric table, desk, bedside or floor-standing lamps

9405 21 - - Of a kind used with a semiconductor light source
9405 22 - - Other

[DELETE 9405 30] - Lighting sets of a kind used for Christmas trees

9405 31 - - Of a kind used with a semiconductor light source
9405 32 - - Other

[DELETE 9405 40] - Other electric luminaires [DELETE lamps] and lighting fittings

9405 41 - - Of a kind used with a semiconductor light source
9405 42 - - Other

9405 50 - Non-electrical lamps and lighting fittings

[DELETE 9405 60] - Illuminated signs, illuminated nameplates and the like

9405 61 - - Of a kind used with a semiconductor light source
9405 62 - - Other

- Parts:

9405 91 - - Of glass
9405 92 - - Of plastic
9405 99 - - Other