

## H01K

**ELECTRIC INCANDESCENT LAMPS (details or apparatus or processes for manufacture applicable to both discharge devices and incandescent lamps H01J; light sources using a combination of incandescent and other types of light generation H01J61/96, H05B35/00; circuits therefor H05B)**

### Definition statement

*This subclass/group covers:*

- Sources of visible, ultra-violet or infra-red radiation consisting of one or more bodies heated to incandescence by electricity, i.e. incandescent lamps, including such lamps for purposes other than general lighting.
- Details of electric incandescent lamps, including ancillary devices that are structurally part of the lamp such as optical light modifiers or circuit elements.
- Apparatus or processes adapted to the manufacture, installing, removal or maintenance of incandescent lamps or parts thereof.

### References relevant to classification in this subclass

*This subclass/group does not cover:*

Details or apparatus or processes for manufacture applicable to both discharge devices and incandescent lamps	<a href="#">H01J</a>
Light sources using a combination of incandescent and other types of light generation	<a href="#">H01J 61/96</a> , <a href="#">H05B 35/00</a>
Lamps with spaced electrodes heated to incandescence by light-emitting discharge, e.g. tungsten arc lamps	<a href="#">H01J 61/98</a>
Circuits therefor	<a href="#">H05B 39/00</a>

Examples of places where the subject matter of this subclass/group is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Functional features or details of lighting devices or systems thereof	<a href="#">F21V</a>
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Structural combinations of lighting devices with other articles, not otherwise provided for	<a href="#">F21V 33/00</a>
Incandescent filaments used to form characters in indicating arrangements	<a href="#">G09F 9/307</a>

### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Chemical, physical processes and apparatus using radiation	<a href="#">B01J 19/08</a>
Chemical, physical processes and apparatus using IR-light	<a href="#">B01J 19/128</a>
Heating devices using lamps	<a href="#">H05B 3/0033</a>
Infrared halogen lamps for cooking plates	<a href="#">H05B 3/744</a>
Heating elements made of non-metallic materials	<a href="#">H05B 3/14</a>
Heating elements made of ceramic materials, oxides, carbides	<a href="#">H05B 3/141</a>
Drying using infrared radiation	<a href="#">F26B 3/30</a>
Displays using incandescent lamps	<a href="#">G09F 9/307</a>

### Special rules of classification within this subclass

Documents should be classified in all appropriate classes, i. e. multi-aspect classification is used.

If a document concerns embodiments or elements in detail which are covered by several subgroups dependent on a higher hierarchy group, the relevant information is classified in all the respective subgroups.

The higher hierarchy group is to be used

- If no respective subgroup exists.

- If the general idea is relevant for the higher hierarchy as well as all the respective subgroups.

## Glossary of terms

*In this subclass/group, the following terms (or expressions) are used with the meaning indicated:*

Lamp	includes tubes emitting ultra-violet or infra-red light
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## H01K 1/00

### Details

#### Definition statement

*This subclass/group covers:*

Details of incandescent lamps classified in [H01K 5/00](#), [H01K 7/00](#), [H01K 9/00](#), [H01K 11/00](#) and [H01K 13/00](#).

#### Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Details applicable to both incandescent and discharge lamps	<a href="#">H01J 5/00</a>
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## H01K 1/22

**Lamp stems (seals for leading conductors there through H01K1/38)**

#### References relevant to classification in this group

*This subclass/group does not cover:*

Seals for leading-in conductors	<a href="#">H01K 1/38</a>
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## H01K 1/26

**Screens; Filters (associated with envelope H01K1/28)**

## Definition statement

*This subclass/group covers:*

Screens or filters structurally associated with the incandescent lamp.

## References relevant to classification in this group

*This subclass/group does not cover:*

Screens or filters structurally associated with the envelope	<a href="#">H01K 1/28</a>
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## H01K 3/00

**Apparatus or processes adapted to the manufacture, installing, removal, or maintenance of incandescent lamps or parts thereof (manufacture of vessels from glass C03B)**

## References relevant to classification in this group

*This subclass/group does not cover:*

Apparatus and processes for manufacture applicable to both discharge devices and incandescent lamps	<a href="#">H01J 9/00</a>
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## Informative references

*Attention is drawn to the following places, which may be of interest for search:*

Manufacture of vessels from glass	<a href="#">C03B 3/00</a>
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## H01K 5/00

**Lamps for general lighting (H01K9/00 to H01K13/00 take precedence)**

## Definition statement

*This subclass/group covers:*

Examples:

- Household lamps.

- Lamps for illumination of shops or public areas.

### References relevant to classification in this group

*This subclass/group does not cover:*

Lamps for purposes other than general lighting	<a href="#">H01K 7/00</a>
Lamps having two or more incandescent bodies separately heated	<a href="#">H01K 9/00</a>
Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge	<a href="#">H01K 11/00</a>
Lamps having an incandescent body which is substantially non-conductive until heated, e. g. Nernst lamp	<a href="#">H01K 13/00</a>

### H01K 7/00

**Lamps for purpose other than general lighting (H01K9/00 to H01K13/00 take precedence)**

#### Definition statement

*This subclass/group covers:*

Examples:

- Lamps for cinematographic projectors.
- Lamps for automobile headlights intended to be used with projection systems.
- Lamps for indicating or for decorative purposes.
- Infrared or heater lamps.

### References relevant to classification in this group

*This subclass/group does not cover:*

Lamps for general lighting	<a href="#">H01K 5/00</a>
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Lamps having two or more incandescent bodies separately heated	<a href="#">H01K 9/00</a>
Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge	<a href="#">H01K 11/00</a>
Lamps having an incandescent body which is substantially non-conductive until heated, e. g. Nernst lamp	<a href="#">H01K 13/00</a>

## H01K 7/02

for producing a narrow beam of light; for approximating a point like source of light, e.g. for searchlight, for cinematographic projector (producing narrow beams by optical means external to lamp F21)

### References relevant to classification in this group

*This subclass/group does not cover:*

Producing narrow beams by optical means external to the lamp	<a href="#">F21V</a>
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## H01K 9/00

Lamps having two or more incandescent bodies separately heated H01K11/00, H01K13/00 take precedence)

### References relevant to classification in this group

*This subclass/group does not cover:*

Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge	<a href="#">H01K 11/00</a>
Lamps having an incandescent body which is substantially non-conductive until heated, e. g. Nernst lamp	<a href="#">H01K 13/00</a>

## H01K 11/00

Lamps having an incandescent body which is not conductively heated, e.g. heated inductively, heated by electronic discharge (H01K13/00 takes precedence)

### References relevant to classification in this group

*This subclass/group does not cover:*

Lamps having an incandescent body which is substantially non-conductive until heated	<a href="#">H01K 13/00</a>
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## H01K 13/00

Lamps having an incandescent body which is substantially non-conductive until heated, e.g. Nernst lamp