



Corrigendum to HD 60364-5-559:2005

English version

Foreword

Replace the sentence following the implementation dates by:

Annexes ZA, ZB and ZC have been added by CENELEC.

Annex ZA

Add the following title for the existing table:

**Table ZA.1 – Explanation of symbols used in luminaires, in controlgear for luminaires
and in the installation of luminaires**

Add the following Annexes ZB and ZC:

Annex ZB (normative)

Special national conditions

Special national condition: National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions.

NOTE If it affects harmonization, it forms part of the European Standard / Harmonization Document.

For the countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

<u>Clause</u>	<u>Special national condition</u>
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559.6.Z1	Denmark, France
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Replace paragraphs 3 up to 6 by:

If this box is fixed in the ceiling and supplies a lighting point, the luminaire supporting means and its fixation to the structure of the building shall ensure the minimal suspension of a load of 25 kg.

559.6.3	Denmark
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The clause is in contradiction to EN 60598-1 Subclause 5.3.1 which must be used in Denmark regarding through wiring using special cables or sleeves, e.g. due to high temperature.

Annex ZC (informative)

B-deviations

B-deviation: National deviation from an HD due to particular technical requirements, permitted for a specified transitional period.

The validity of the B-deviations in this Harmonization Document ends on **2012-04-11**.

<u>Clause</u>	<u>B-deviation</u>
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559.1	Germany
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Replace the wording of the 3rd indent by:

- illuminated signs supplied at low-voltage and the low-voltage supply of illuminated signs supplied at high voltage (so called neon-tube)

NOTE For illuminated signs supplied at low-voltage EN 60598-1 and the relevant part of the series EN 60598-2-X apply.

559.4	Germany
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Add after the first paragraph:







































Lighting installations shall comply to the general rules of HD 384. Luminaires shall be selected and erected so that the protection against electric shock is effective, no heat accumulation exists and insulation co-ordination is not impaired (fire risk).

The heat generated during operation shall be diverted sufficiently. To prevent fire risks in case of abnormal operation of the starting device it is recommended to use luminaires with fluorescent lamps glow-starters according to EN 60155.

To prevent fire hazards in Table ZC.1 identification marks for the selection of suitable luminaires are provided.

Clause B-deviation

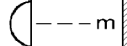
Table ZC.1 – Selection of luminaires and lamp controlgear in dependency of the location and surface of installation

Location and surface of installation			Luminaires according to EN 60598	Lamp controlgear
Non-combustible			 ,  ,  ,  ,  ,  ,  and luminaires without such marking	
Combustible ^a			 ,  ,  ,  ,  , 	  ,  
Special locations	Covered with thermal insulation			  ^b
	Equipment (Furniture)		 ,  , 	  ^c ,  
	Locations with fire risk - Clause 482		 ,  , 	 
		Accumulation of dust and/or fibres	 ,  ,  ^d	  ^b
^a Building materials normally or heavily inflammable (according to DIN 4102). ^b This combination of symbols is not standardised; the safety criteria of the lamp controlgear corresponds to that of the luminaire. ^c Permitted only if the material is at least normally inflammable. ^d Permitted only if the luminaires including the lamps comply to IP5X.				


559.5 Germany

Add the following new subclauses after 559.5.2:

559.5.3 Luminaires shall be so installed that they don't touch combustible textiles (e.g. curtains, stored textiles etc.).


Spot light luminaires (see Annex ZA, symbol ) installed in shop windows or vitrines shall have a minimum distance in the direction of the beam to combustible items.

Where no information is given the minimum distance shall be at least 0,1 m according to EN 60598-1:2004, 12.4.1 b).

559.5.4 To prevent any fire risk in luminaires bowl mirror lamps may only be used if the luminaire is marked with the symbol .

559.5.5 To provide safe heat dissipation during the erection of luminaires, a sufficient distance to other surfaces shall be complied with. This requirement is met if at surfaces with thermal influence in normal operation the temperature does not exceed 90 °C. Regarding the type of mounting and the safety distance the manufacturer's instructions shall be followed.

Clause B-deviation

559.5.6 For luminaires marked with the symbol  protection against deposition of dust and other substances shall be provided also inside the luminaire. For compliance with this requirement the luminaire is covered in the direction of the spot light with a protective glass cover or a tub of IPX5.

559.5.7 In case of an explosion risk additional requirements shall be applied (see standards of the series EN 50281 and EN 60079-1 X).

559.6.4 Germany

Modify the 2nd part of the sentence to read:

... shall be provided with an isolation device according to HD 384.4.46 S2 separating all line conductors.

559.6.Z4 Germany

Replace the first paragraph by:

Supply cables shall be suitable for the location meeting the requirements of 559.6.3 or be locally thermally protected or the insulation substituted or with a local reinforcement (use of flexible insulation tubing) or replacement of insulation material may be necessary (see HD 384.5.52, Subclause 522.2).

Add at the end:

The connecting devices shall be fixed at the luminaire. Live parts shall have basic protection.

Clause B-deviation

Annex **Germany**
ZA

Add the following Tables ZA.2 and ZA.3.

Table ZA.2 – Explanation of additional symbols used for luminaires and controlgear for lamps



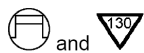
Luminaires with fluorescent lamps suitable for installation in and on equipment, e.g. furniture, as specified in DIN VDE 0710-14 "Luminaires for furniture".

Provided one of the types of mounting stated by the manufacturer is applied (see Table ZA.3) such luminaires may be fixed on equipment consisting of materials comparable to non-combustible materials, heavily or normally inflammable building materials even such materials are coated, painted or veneered..

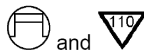


Luminaires with limited surface temperature, suitable for installation in or on equipment, e.g. furniture, as specified in DIN VDE 0710-14 "Luminaires for furniture".

Provided one of the types of mounting stated by the manufacturer is applied (see Table ZA.3) such luminaires may be fixed on equipment consisting of materials the fire resisting capability of which is not known and on surfaces which are coated, painted or veneered.



Independent lamp controlgear, which may be fixed directly on non combustible, heavily or normally inflammable building materials. Such lamp controlgear may not reach a surface temperature exceeding 130 °C.






Independent lamp controlgear which may be fixed also in and on equipment (furniture). The materials of the equipment may be coated, painted or veneered and their fire resistant capability must not be known. Such lamp controlgear may not reach a surface temperature exceeding 110 °C.



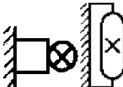
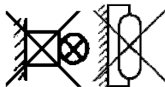




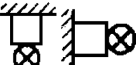

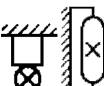







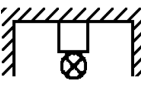
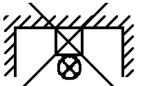




Typ B

Type tested luminaires suitable for locations with explosion risk.

Clause B-deviation

**Table ZA.3 – Explanation of additional symbols used for the mounting of
luminaires marked with the symbols  or  **

Description	Identification	
	Only for ...	Not for ...
1 mounted on the ceiling		
2 mounted on the wall		
3 horizontally mounted on the wall		
4 vertically mounted on the wall		
5 mounted on the ceiling and horizontally mounted on the wall		
6 mounted on the ceiling and vertically mounted on the wall		
7 mounted in a rectangular corner with the lamp at one side		
8 mounted in a rectangular corner with the lamp below		
9 mounted in a rectangular corner with lamps at one side and below		
10 mounted in an U-profile		
11 suspended mounting		

October 2007