

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1

AMENDEMENT 1

Luminaires – **iTeh STANDARD PREVIEW**

Part 2-3: Particular requirements – Luminaires for road and street lighting
(standards.iteh.ai)

Luminaires –

[IEC 60598-2-3:2002/AMD1:2011](http://standards.iteh.ai/catalog/standards/ISS/8/1891-IEC-60598-2-3-2002/AMD1/2011)

Partie 2-3: Règles particulières – Luminaires d'éclairage public

<http://standards.iteh.ai/catalog/standards/ISS/8/1891-IEC-60598-2-3-2002/AMD1/2011/d28cf0a5aa7/iec-60598-2-3-2002-AMD1-2011>





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3.6.5.2 Protection by the use of high impact resistant glass

3.6.5.2.1 Glass covers shall have high mechanical strength.

The luminaire and glass cover shall be preconditioned by the thermal endurance test of 12.3 of IEC 60598-1.

The test is performed on one sample and on the external face (opposite side of the lamp) of the glass mounted on the luminaire.

The testing procedure shall be in accordance with the IEC 62262, and the test apparatus used is the pendulum hammer or vertical hammer according to IEC 60068-2-75.

Compliance: The glass shall not be broken after a shock with impact energy of 5 J (IK08).

3.6.5.2.2 Glass covers shall not break into large pieces.

Glass covers shall be tested according the same testing procedure as 3.6.5.1.

Compliance: A glass is deemed to have passed the test if the number of particles in the 50 mm square is more than 20, glass splinters and pieces less than the full thickness of the glass being excluded from the count. For glass of smaller size where a 50 mm × 50 mm area is not possible, the number of pieces necessary in the count is proportionately reduced. The size of the particles shall be less than 50 mm for all the dimensions.

3.12 Endurance tests and thermal tests

Add the following new subclause after 3.12.33 2002/AMD1:2011

<https://standards.iteh.ai/catalog/standards/sist/81a189f5-fe38-4487-9e43-d28cf0a5af7/bsi-60598-2-3-2002-amd1-2011>

3.12.3 Glass covers shall be used within the thermal limits declared by the glass manufacturer. Thermal limits shall include the minimum and maximum temperature and the maximum Δt allowed on the glass.

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