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**Degree of protection provided by enclosures
against external mechanical impacts, acc. IK08
and IK10 requirements on Luscinia Series
Luminaires**

Arnhem, August 12, 2021

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On request of:

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9 pages 0 annexes

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1 INTRODUCTION

On request of SIA VIZULO, Riga, Latvia, an IK08 and IK10 test was conducted on different housing parts of a representative model of the Luscinia series, street light luminaires.

The post top luminaire was tested with IK10 and the wire mounted (suspended mounted) luminaire was tested with IK08.

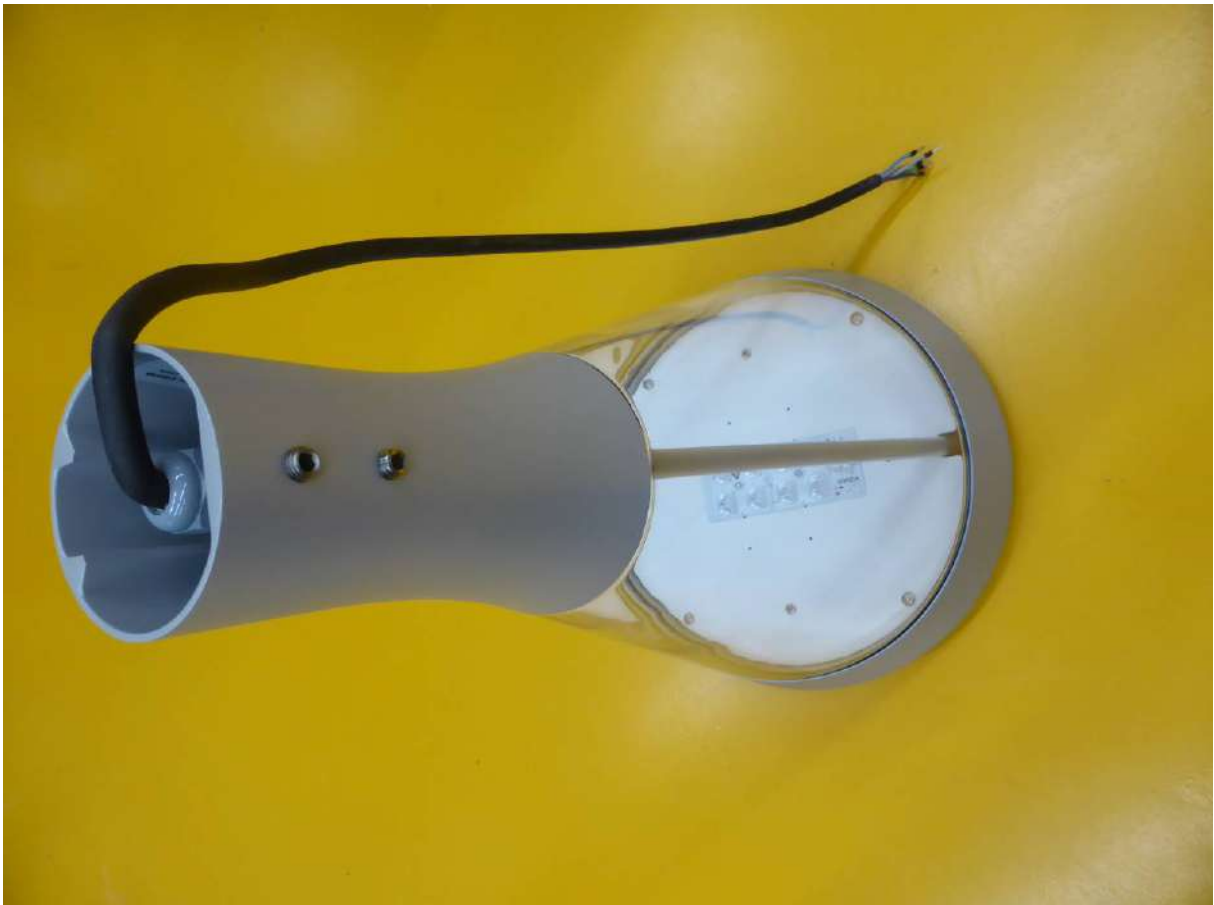
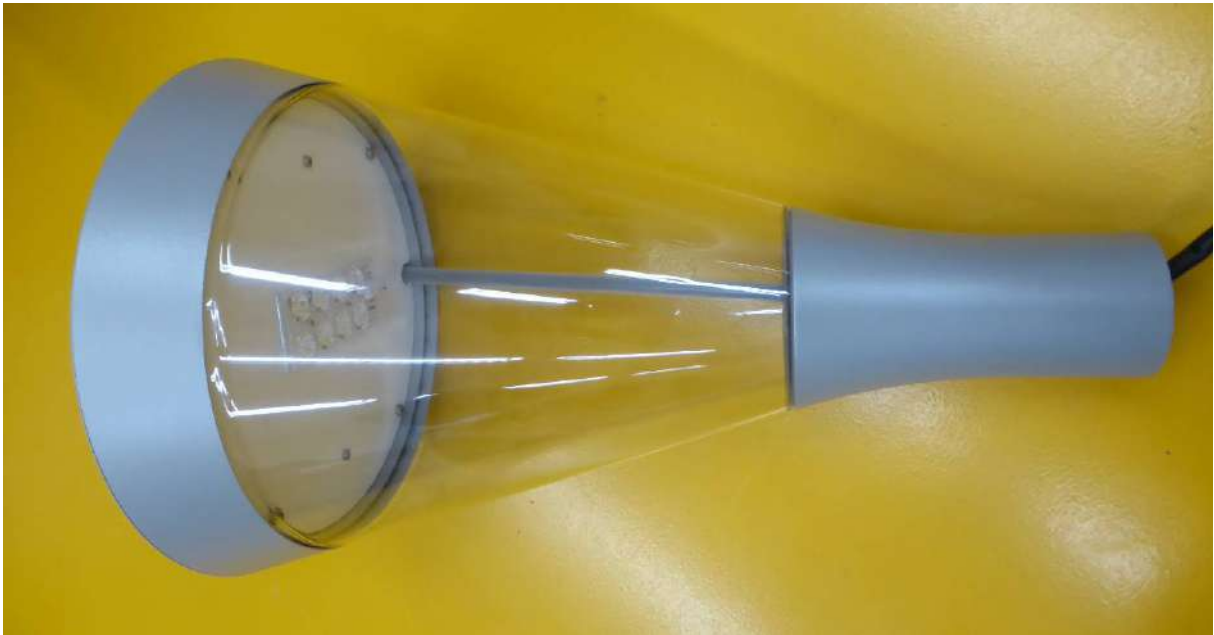
The requirements as well as the method of testing and test equipment of the IK08 and IK10 test are described in EN 62262:2002 and IEC/TR 62696:2011 standards and as detailed on the following pages.

2 TESTED PRODUCT AND TEST DESCRIPTION

Product overview



Figs. 1 and 2 – Front side and top side of Luscinia wire mounted (suspended mounted) series luminaire.



Figs. 3 and 4 – Luscinia post top mounted series luminaire.

Pass criteria:

After the test, the enclosure shall show no cracks or deformation and shall not affect the normal function of the equipment, reduce the insulation and/or creepage distances or reduce the specified degree of protection against access to hazardous parts below the permitted values. Superficial damage, such as removal of paint, breaking of cooling ribs or of similar parts, or depression of small dimensions can be ignored.

3 RESULTS/CONCLUSION

The product passed the test and complies with the specified requirements.

After the test there was no damage or deformation visible on the enclosure and the glass cover of the Luscinia series Street Luminaire. The degree of protection and the integrity of the enclosure was still intact.

The post top luminaire complies with IK10.

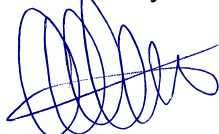
The wire mounted (suspended mounted) luminaire complies with IK08.

Test conducted by:

A blue ink signature, appearing to be 'J. Röttjers', written over a horizontal dotted line.

J. Röttjers

Reviewed by:

A blue ink signature, appearing to be 'A.P. van der Veen', written over a horizontal dotted line.

A.P. van der Veen

END OF EXAMINATION REPORT