

Test Report issued under the responsibility of :

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## TEST REPORT

**Report Reference No.**.....: 2216206.51

**Tested by (name + signature)**.....: J.G.H. Gelink

**Approved by (name + signature)** .....: A.P. van der Veen

**Date of issue** .....: 31 October 2017

**Pages** .....: 5

**Testing Laboratory**.....: DEKRA Certification B.V.

**Testing location / address**.....: Meander 1051 6825 MJ Arnhem, The Netherlands

**Applicant**.....: Veko Lightsystems International B.V.

**Address**.....: Witte Paal 38, 1742 NL Schagen, The Netherlands

### Test specification:

**Standard(s)** .....: DIN 57710-13 VDE 0710 Teil 13/5.81

**Test procedure** .....: Basic safety test ☒ Screen test ☐ Quick scan ☐  
Basic EMC test ☐ Flash test ☐ ..... ☐

**Test object description**.....: LED luminaire

**Trade Mark**.....: VEKO

**Manufacturer**.....: Veko Lightsystems International B.V.  
Witte Paal 38, 1742 NL Schagen, The Netherlands

**Model/Type reference** .....: Magnus Sport (LSNx-yyyy-10-zzz-qq)

**Ratings**.....: 220-240 Vac

**Number of test objects** .....: 1

### Possible test case verdicts:

- test case does not apply to the test object...: N/A

- test object does meet the requirement.....: P(Pass)

- test object does not meet the requirement...: F(Fail)

**Test program** .....: The test object has been submitted to a test program as mentioned on the next page.

### Summary of test results:

- The tested sample passed the test and comply with the specified requirements.
- The ball symbol is allowed to place on the product.

Kennzeichen



**The test results shown in this report relate only to the tests performed according to the test program. The test object has not been submitted to a full test program.**

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**General product Photo.**



## Test condition

### Testing of Ceiling Mounted Luminaires

Ceiling mounted luminaires are mounted to a test surface, consisting of a wooden surface with a thickness of 10 cm. The test surface is rigidly mounted to a structure wall of the building. The wooden test surface shall have a size equal to projection area of the luminaire. For recessed luminaires, the manufacturer may provide a mounting frame to correctly mount the luminaire to test surface. The product is tested with the light source mounted in the luminaire, but without being energized.

With an official match handball, with a weight of 425 to 475g, a cross section area of 185 to 191 mm and a inner pressure of 1,2 bar (overpressure), a total of 36 shots are fired at the luminaire with an impact speed  $16,5 \pm 0,8$  m/s. First 12 shots are fired perpendicular on the luminaire, followed by 12 shots from 2 different directions under an edge of  $60^\circ$  (measured from the surface of impact angle and the surface plane of the luminaire). The shots are equally distributed over the surface of the luminaire, preferably on the weakest points on the luminaire.

*(Translation from source: VDE 0710 Teil 13/5.81)*

## Test results

The ball test on the luminaire is carried out as described before.

The tested sample passed the test and comply with the specified requirements.

### **Remark:**

1 clip fell of, they must be firmly secured so that these clips do not let go anymore.

## Keycode explanation:

LSNx-yyyy-10-zzz-qq

LSN = Magnus Sport

LSNx = unieke programmering van driver in Magnus Sport

yyyy = Lens type

10 = IK10

zzz = CRI/CCT dus bij 840 CRI-80 en CCT=4000K

qq = drivertype bijvoorbeeld 53= Philips Fixed output 60 W

**Photo's**

