

# QuayAudit

# CERTIFICAT DE INREGISTRARE

"LED MARKET" SRL

MD-2029, şos. Munceşti, nr. 801, mun. Chişinău,  
Republica Moldova

BS EN ISO 14001:2015

Producerea si comercializarea produselor de iluminat de tip LED

2740 & 4759

Aprobat initial la	25 Aprilie 2019
Certificare initiala la	25 Aprilie 2019
Certificatul expira la	25 Aprilie 2022
Numarul certificatului	4156667



în numele **Quay Audit UK Limited**

*Brone*





## Certificate of Conformity

**Certificate No. : ECT2019S042131-Y2**

**Applicant : SC "LED MARKET" SRL**

Republica Moldova

**Address : mun.Chisinau, sos. Muncesti 801, MD-2029**  
Cod fiscal: 1004600060124

**Manufacturer : SC "LED MARKET" SRL**  
Republica Moldova

**Address : mun.Chisinau, sos. Muncesti 801, MD-2029**  
Cod fiscal: 1004600060124

**Product : LED street light**

**Trade Name : Leaf Range**

**Model : FUSION and FUSION-2, sizes SS, S, M, and L**  
**ULTRA 2**

**Test Standards : EN 60598-1:2015/A1:2018**

**EN 60598-2-3:2003+A1:2011**

The EUT described above has been tested by us with the listed standards and found in compliance with the council LVD directive 2014/35/EU. It is possible to use CE marking to demonstrate the compliance with this LVD directive.



Date : May.06 .2019

The results in this report are applicable only to the equipment tested. This report shall not be re-produced except in full without the written approval of Shenzhen ECT Testing Technology Co., Ltd.

**Shenzhen ECT Testing Technology Co., Ltd.**

Room 1106,Era Innovation Center, Xixiang Gushu Second Road,Baoan District, Shenzhen City, China

Tel: +86-755-23062275

Fax: +86-755-26609102

<http://www.ECT-LAB.com>



## CERTIFICAT DE INREGISTRARE

Acet certificat confirma faptul că sistemul de management al  
"LED MARKET" SRL

MD-2029, şos. Munceti, nr. 801, mun. Chişinău,  
Republica Moldova

a fost auditat și aprobat de către  
Quay Audit UK Ltd pentru următorul standard de management

BS EN ISO 9001:2015



Sistemul de management aprobat se aplică pentru următoarele domenii de activitate:

Producerea și comercializarea produselor de iluminat de tip LED

Acet certificat se aplică pentru acele domenii de activitate descrise  
în Codurile NACE(CAEN) enumerate mai jos, recunoscute internațional:

2740 & 4759

Aprobat initial la **25 Aprilie 2019**  
Certificare initială la **25 Aprilie 2019**  
Certificatul expira la **25 Aprilie 2022**  
Numarul certificatului **4156666**



În numele Quay Audit UK Limited

*Grove*



[www.ascb.com](http://www.ascb.com)



[www.global-accreditation.org](http://www.global-accreditation.org)



[www.irqao.com](http://www.irqao.com)

Este un document emis de Quay Audit UK Limited în conformitate cu standardul ISO 17020. Este un document emis de către Accreditation Service for Certification Bodies (European market) evaluat de către ASCB și este în conformitate cu standardul ISO 17020. Este un document emis de către organizația de certificare și de management de acreditare în conformitate cu standardul ISO 17020. Este un document emis de către Inspectorate of Quality (UK) și este în conformitate cu standardul ISO 17020.

Grove House, 8 St. Julian's Friars, Shrewsbury, Shropshire, SY1 1XL | (44) 1743 351677 | [post@quayaudit.co.uk](mailto:post@quayaudit.co.uk) | [www.quayaudit.co.uk](http://www.quayaudit.co.uk)

## CERTIFICAT DE GARANȚIE

Data emiterii 23 septembrie 2019

Producător LED MARKET SRL

R. Moldova

Certificat emis de către LED MARKET SRL , mun. Chișinău, Str. Șos. Muncești,  
801, c. fiscal: 1004600060124, c. TVA: 0607461, BC MOBIASBANCA G.S.G. S.A.

Producător autohton în baza Certificatului nr. OCpr MD 043 13 C 001738-16 din 20 mai 2016

Prin prezentul certificat se confirmă că marfa indicată în acest certificat are garanția de 5 ani din data livrării marfii

STREET LIGHT ULTRA2 - 30W

STREET LIGHT ULTRA2 - 45W

STREET LIGHT ULTRA2 - 60W

**Toată marfa este produsă conform cerințelor:**

HG Nr. 255 din 05.03.2008 pentru aprobarea Reglementării tehnice

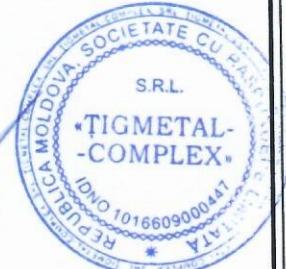
“Securitatea echipamentelor electrice de joasă tensiune”

SM SR EN 60598-2-3:2010 (cap.3.4-3.11, 3.14)

Condiții de producere, sănătatea muncii și calitatea managementului corespund ISO:9001, ISO:14001, ISO:45001

În cazul de garanție Cumpărătorul prezintă marfa Vînzătorului

care se obligă în termen pînă la 10 (zece) zile să repare felinar stradal sau să eliberează producția nouă



*Director LED MARKET SRL*

*Danu Vadim*



# QuayAudit

## CERTIFICAT DE INREGISTRARE

Acest certificat confirma faptul că sistemul de management al  
"LED MARKET" SRL

MD-2029, șos. Muncești, nr. 801, mun. Chișinău, Republica Moldova

a fost auditat și aprobat de către  
Quay Audit UK Ltd pentru următorul standard de management

BS EN ISO 45001:2018



Sistemul de management aprobat se aplică pentru următoarele domenii de activitate:

Producerea și comercializarea produselor de iluminat de tip LED

Acest certificat se aplică pentru acele domenii de activitate descrise  
în Codurile NACE(CAEN) enumerate mai jos, recunoscute internațional:

2740 & 4759



Aprobat initial la 12 iulie 2019  
Certificare initială la 12 iulie 2019  
Certificatul expira la 12 iulie 2022  
Numarul certificatului 4156714



În numele Quay Audit UK Limited

*Grove*



www.ascb.com



www.global-accreditation.org



www.irqao.com

Acest certificat este valabil pentru următoarele domenii de activitate: Accreditarea Sistemelor de Management de Calitate și Sistemelor de Management Integrat. Quay Audit UK Ltd este în conformitate cu standardele internaționale ISO 9001:2015 și ISO 45001:2018. Certificatul este emis în cadrul unei organizații certificate care este membru al Asociației Internaționale de Accreditare (IAF) și este înregistrat în Registrul Internațional de Calitate, Accreditare și Organizații (www.iaf.org).  
Grove House, 8 St. Julian's Friars, Shrewsbury, Shropshire, SY1 1XL | (44)1743 351677 | post@quayaudit.co.uk | www.quayaudit.co.uk

# TEST REPORT

**Reference No.** ..... : WTZ19F03017216L  
**Applicant** ..... : ZHONGSHAN WOSEN LIGHTING TECHNOLOGY CO., LTD.  
**Address** ..... : Address: No.526, Dong'an North Road, Haizhou, Guzhen Town, Zhongshan City, Guangdong, China  
**Manufacturer** ..... : LED market SRL  
**Address** ..... : sos. Muncesti 801, mun. Chisinau, R. Moldova  
**Product Name** ..... : Lighting  
**Model No.** ..... : Ultra 2, Projector SMD 2835  
**Ratings** ..... : --  
**Standards** ..... : IEC 60529:1989+A1:1999+A2:2013  
IEC 62262:2002  
Customer commission  
**Date of Receipt sample** ..... : 2019-04-03  
**Date of Test** ..... : 2019-04-04 to 2019-04-05  
**Date of Issue** ..... : 2019-04-11  
**Test Report Form No.** ..... : WST-60529-50B  
**Test Result** ..... : Pass

**Remarks:**

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

**Prepared By:**

**Waltek Services (Foshan) Co., Ltd.**

Address: No.13-19, 2/F., 2nd Building, Sunlink International Machinery City,  
Chencun, Shunde District, Foshan, Guangdong, China  
Tel:+86-757-23811398      Fax:+86-757-23811381      E-mail:info@waltek.com.cn

Compiled by:

Approved by:

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Can Guo/Project Engineer

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Jerry Mu/Manager



## List of test items:

No.	Test Items	Requirement + Test	Result
1	IP65 Test	IEC 60529:1989+A1:1999+A2:2013	Pass
2	IK08	IEC 62262:2002	Pass
3	High temperature test	Customer commission	Pass

## Subcontract

Whether parts of tests for the product have been subcontracted to other labs:

 Yes  No

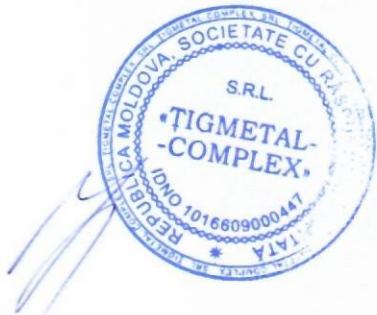
If Yes, list the related test items and lab information:

Test items: ---

Lab information: --

## Remarks:

Full tests were carried out on the two models



## Test Item :

Tests for protection against dust-proof: IP6X

## Test Method:

The tests should be carried out under the standard atmospheric condition.

The atmospheric conditions during tests are as follows:

Temperature range: 15 °C to 35°C. Relative humidity: 25% to 75%.

The test is made using a dust chamber incorporating the basic principles shown in figure 2 where by the powder circulation pump may be replaced by other means suitable to maintain the talcum powder in suspension in a closed test chamber. The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is 50µm and the nominal width of gap between wires 75 µm. The amount of talcum powder to be used is 2 kg per cubic meter of the test chamber volume. It shall not have been used for more than 20 tests.

Enclosures are of necessity in one of two categories:

Category 1: Enclosures where the normal working cycle of the equipment causes reductions in air pressure within the enclosure below that of the surrounding air, for example, due to thermal cycling effects.

The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump. In no event shall the depression exceed 2 KPa(20mbar) on the manometer shown in figure 2. If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2h. The extraction rate is less than 40 volumes per hour, the test is continued until 80 volumes have been drawn through, or a period of 8h has elapsed.

Category 2: Enclosures where no pressure difference relative to the surrounding air is present.

The enclosure under test is supported in its normal operating position inside the test chamber, but is not connected to a vacuum pump. Any drain-hole normally open shall be left open for the duration of the test. The test shall be continued for a period of 8h.

The enclosure shall be deemed category 1, whether reductions in pressure below the atmospheric pressure are present or not.

The test wire of 1.0 mm<sup>Ø</sup> insert into any openings of the enclosure with a force of 1N±10%.

## Acceptance Conditions:

The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

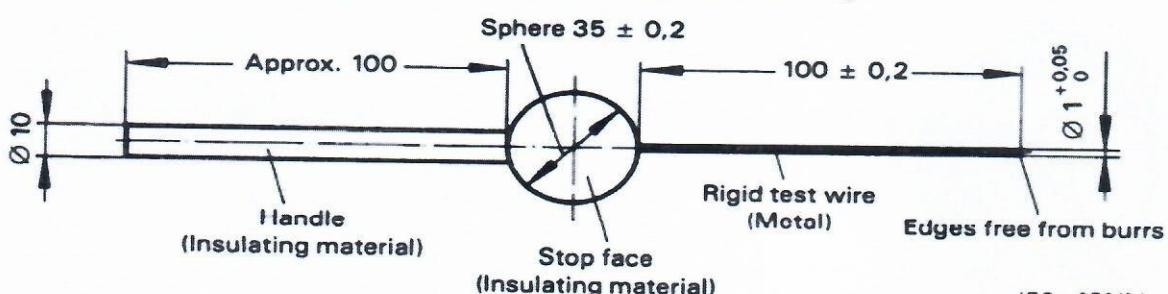
The protection is satisfactory if adequate clearance is kept between the access probe and hazardous parts.

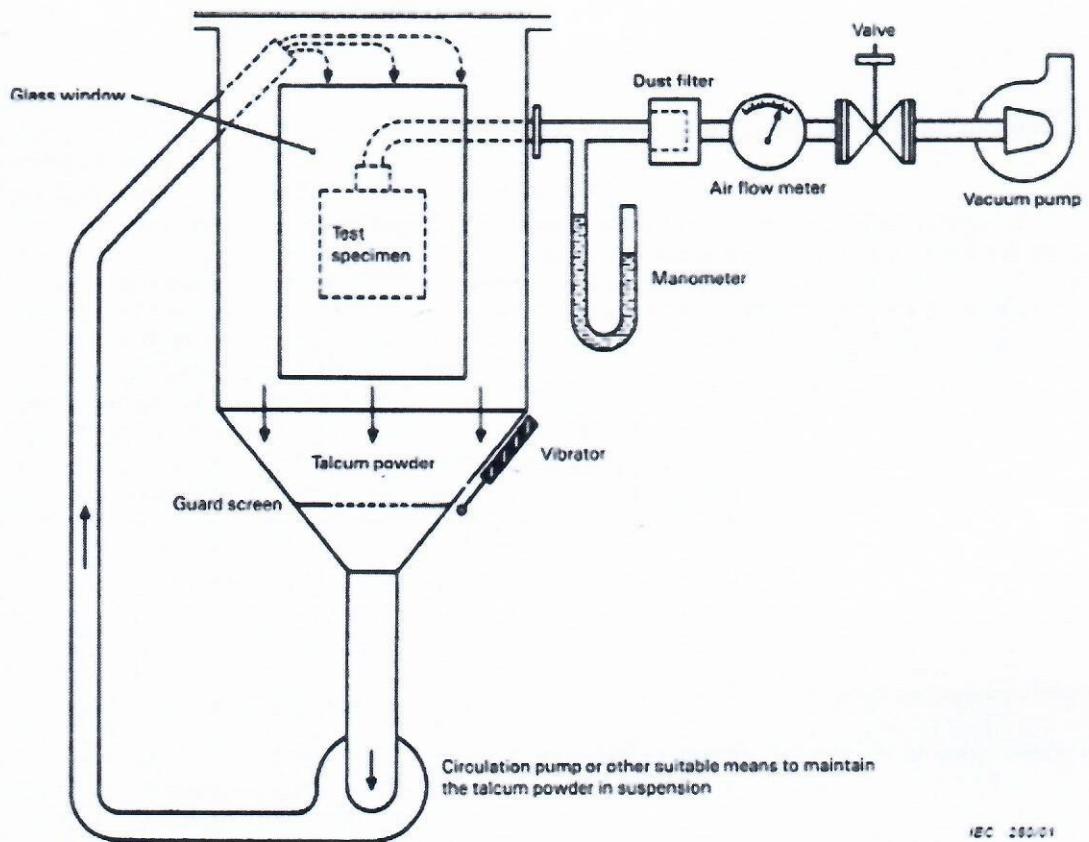
The protection is satisfactory if the access probe 1.0 mm diameter shall not pass through the any opening.

## Test Result:

Pass  Fail

## Test wire 1.0 mm diameter, 100 mm long





IEC 60068-2-68

NOTE See IEC 60068-2-68, figure 2 valid for La2 only.

Figure 2 – Test device to verify protection against dust (dust chamber)



## Test Item :

Tests for protection against ingress moisture: IPX5

## Test Method:

The tests should be carried out under the standard atmospheric condition. The atmospheric conditions during tests are as follows:

Temperature range: 15 °C to 35 °C; Relative humidity: 25% to 75%.

The tests are conducted with fresh water. The water temperature should not differ by more than 5 K from the temperature of the specimen under test. If the water temperature is more than 5 K below the temperature of the specimen a pressure balance shall be provided for the enclosure.

The test is made by spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle as shown in figure 6.

The conditions to be observed are as follows:

- internal diameter of the nozzle: 6,3mm;
- delivery rate: 12,5 l/min  $\pm 5\%$ ;
- water pressure: to be adjusted to achieve the specified delivery rate;
- core of the substantial stream: circle of approximately 40 mm diameter at 2,5 m distance from nozzle;
- test duration per square meter of enclosure surface area likely to be sprayed: 1 min;
- minimum test duration: 3 min;
- distance from nozzle to enclosure surface: between 2,5 m and 3m.

## Acceptance Conditions:

After testing in accordance with the appropriate requirements, the enclosure shall be inspected for ingress of water.

It is the responsibility of the relevant Technical Committee to specify the amount of water which may be allowed to enter the enclosure and the details of a dielectric strength test, if any.

In general, if any water has entered, it shall not:

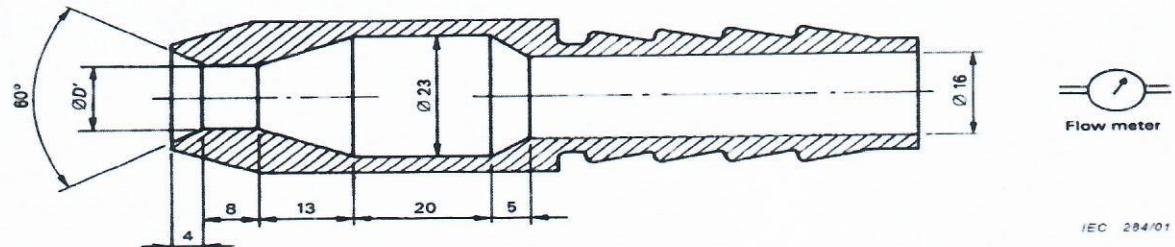
- be sufficient to interfere with the correct operation of the equipment or impair safety;
- deposit on insulation parts where it could lead to tracking along the creepage distances;
- reach live parts or windings not designed to operate when wet;
- accumulate near the cable end or enter the cable if any.

If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.

For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.

## Test Result:

Pass  Fail



Dimensions in millimetres

$D' = 6,3$  for the test of 14 2 5 (second characteristic numeral 5)  
 $D' = 12,5$  for the test of 14 2 6 (second characteristic numeral 6)

Figure 6 – Test device to verify protection against water jets (hose nozzle)

*[Signature]*

