

IEC SYSTEM FOR MUTUAL RECOGNITION OF TEST CERTIFICATES FOR ELECTRICAL EQUIPMENT (IECEE) CB SCHEME

SYSTEME CEI D'ACCEPTATION MUTUELLE DE CERTIFICATS D'ESSAIS DES EQUIPEMENTS ELECTRIQUES (IECEE) METHODE OC

CB TEST CERTIFICATE CERTIFICAT D'ESSAI OC

Product
Produit

Luminaires for road and street lighting

Name and address of the applicant
Nom et adresse du demandeur

LUG Light Factory Sp. z o.o.
ul. Gorzowska 11, 65-127 Zielona Góra, Poland

Name and address of the manufacturer
Nom et adresse du fabricant

LUG Light Factory Sp. z o.o.
ul. Gorzowska 11, 65-127 Zielona Góra, Poland

Name and address of the factory
Nome et adresse de l'usine

LUG Light Factory Sp. z o.o.
ul. Gorzowska 11, 65-127 Zielona Góra, Poland

Ratings and principal characteristics
Valeurs nominales et caractéristiques principales

220-240 V, 50-60 Hz, IP 66 protection class II
max. 25 W, 3200 lm, ta +55 °C, IK 10
220-240 V, 50-60 Hz, IP 66 protection class II
max. 35 W, 4200 lm, ta +50 °C, IK 10
220-240 V, 50-60 Hz, IP 66 protection class II
max. 35 W, 4500 lm, ta +50 °C, IK 10
220-240 V, 50-60 Hz, IP 66 protection class II
max. 49 W, 6300 lm, ta +45 °C, IK 10

Trademark (if any)
Marque de fabrique (si elle existe)

Model / Type Ref.
Ref. De type

AVENIDA LENS LED

Additional information (if necessary)
Information complémentaire (si nécessaire)

PUBLICATION

EDITION

A sample of the product was tested and found to be in conformity with
Un échantillon de ce produit a été essayé et a été considéré conforme à la

IEC 60598-1	2014
IEC 60598-2-3	2002
IEC 62471	2006

As shown in the Test Report Ref. No. which forms part of this Certificate
Comme indiqué dans le Rapport d'essais numéro de référence qui constitue partie de ce Certificat

801444-01/01 of: 24.10.2018, 801444-01/01-A1 of: 29.03.2019

This CB Test Certificate is issued by the National Certification Body
Ce Certificat d'essai OC est établi par l'Organisme National de Certification

Elektrotechnický zkušební ústav, s.p.
Pod lisem 129/2, 171 02 Praha 8 – Troja
Czech Republic



Date: 29.03.2019

Signature: Miroslav Sedláček
Certification and Inspection Manager



ELEKTROTECHNICKÝ ZKUŠEBNÍ ÚSTAV



ELECTROTECHNICAL TESTING INSTITUTE - CZECH REPUBLIC
ELEKTROTECHNISCHE PRÜFANSTALT - TSCHHECHISCHE REPUBLIK
INSTITUT ELECTROTECHNIQUE D'ESSAIS - RÉPUBLIQUE TCHÉQUE
ЭЛЕКТРОТЕХНИЧЕСКИЙ ИСПЫТАТЕЛЬНЫЙ ИНСТИТУТ - ЧЕШСКАЯ РЕСПУБЛИКА

Pod lisem 129/2, 171 02 Praha 8 - Troja

CERTIFIKÁT/CERTIFICATE

č./No.: 5180015-A1

Objednatel/Ordering firm: LUG Light Factory Sp. z o.o.
ul. Gorzowska 11, 65-127 Zielona Góra, Polsko/Poland

Výrobce/Držitel licence//Manufacturer/Licence holder: LUG Light Factory Sp. z o.o.
ul. Gorzowska 11, 65-127 Zielona Góra, Polsko/Poland

Výrobní místo/Factory: LUG Light Factory Sp. z o.o.
ul. Gorzowska 11, 65-127 Zielona Góra, Polsko/Poland

Výrobek/Name of product: Svítidla pro osvětlení cest a ulic/Luminaires for road and street lighting

Obchodní značka/Trade mark:

Typ/Type of product: AVENIDA LENS LED

Přesná specifikace výrobku je uvedena v příloze 1, která tvoří nedílnou součást tohoto certifikátu./Specification of the product is in the annex 1 that forms an integral part of this certificate.

Elektrotechnický zkušební ústav na základě splnění požadavků certifikačního schématu „ENEC“ uděluje licenci na užívání značky/Electrotechnical Testing Institute is granting according to the certification scheme „ENEC“ a licence for using the following mark



Touto značkou může být označován výrobek specifikovaný v tomto certifikátu po dobu platnosti níže uvedené smlouvy na užívání značky ENEC, při dodržení všech pravidel uvedených v této smlouvě./This mark may be used for the product specified in this certificate within validity of the Agreement on the use of the ENEC Mark by implementing all the rules stated in the Agreement.

Právo označovat výrobek výše uvedenou značkou je založeno na/The right to use the above mentioned mark for the product is based on:

- protokolu o zkouškách č./Test report No.: 801444-01/01 ze dne/of: 24.10.2018, 801444-01/01-A1 ze dne/of: 29.03.2019

Vzorek zkoušeného výrobku je ve shodě s požadavky/A sample of the product was tested and found to be in conformity with:
EN 60598-1:2015, EN 60598-2-3:2003+A1:2011

- provedení inspekce v místě výroby – viz inspekční zpráva č./inspection in the place of manufacture – see inspection report No.: 704047-01 ze dne/of 25.10.2017
- smlouvě na užívání značky ENEC mezi objednavatelem a Elektrotechnickým zkušebním ústavem č./the Agreement on the use of the ENEC Mark concluded between the ordering firm and the Electrotechnical Testing Institute No.: 801444

29.03.2019

V Praze dne/Prague

Mgr. Miroslav Sedláček
Vedoucí certifikačního orgánu/
Head of Certification Body



* C E R / 5 1 8 0 0 1 5 - A 1 *

801444-01

Příloha licence č. 5180015-A1 Annex to Licence No. 5180015-A1	
Držitel licence Licensee	LUG Light Factory Sp.z o.o. Ul. Grozowska 11, 65-127 Zilena Góra, Poland
Výrobce Manufacturer	LUG Light Factory Sp.z o.o. Ul. Grozowska 11, 65-127 Zilena Góra, Poland
Druh svítidla Kind of luminaire	Svítidlo pro osvětlení cest a ulic Luminaire for road and street lightning
Typ svítidla Type reference	AVENIDA LENS LED DALI/ED
Obchodní značka Trade mark	LUG Light Factory Sp.z o.o.
Protokol o zkoušce Test report	801444-01/01-A1
Národní normy National standard(s)	EN 60598-2-3:2003 + A1:2011 ČSN EN 60598-1:2015
Evropské normy European standard(s)	EN 60598-2-3:2003 + A1:2011 EN 60598-1:2015
Jmenovité napětí Rated voltage	220 - 240 V
Jmenovitý příkon a počet zdrojů Rated wattage and number of lamps	25, 35, 49 W
Typ světelného zdroje Lamp identification	LED modul LED module
Stupeň krytí Degree of protection	IP 66
Připojení napájení Supply connection	Vodiče Wires
Podkladová plocha Supporting surface	Normálně hořlavý povrch Normally flammable surface
Druh ochrany Protection against electric shock	CI.II.

Příloha licence č. 5180015-A1 Annex to Licence No. 5180015-A1			
EN 60598-2-3:2003			
Clause	Requirement – Test	Result – Remark	Verdict
	ANNEX ZB, SPECIAL NATIONAL CONDITIONS ENEC-301 – AMENDMENT B RESTRICTIONS		
(2.2)	Class 0 not accepted		OK
(3.3)	DK: power supply cord with label		---
	IT: warning label on Class 0 luminaire		---
(4.5.1)	DK, FR: socket-outlets		---
(5.2.1)	DK, FI, SE, GB: type of plug		---
	ANNEX ZC, NATIONAL CONDITIONS ENEC-301 – AMENDMENT B RESTRICTIONS		
(13.3)	DK: needle-flame or glow-wire test		---
(13.3.2 + 13.3.3)	FR: glow-wire test		---
	IEC 598-1 COMMON MODIFICATIONS		
3.2.12	NL - cable without mains plug		---
3.3.3.c	fixed wiring		---
4.11.6	Electro-mechanical contact systems		---
5.2.2	Type of cable		---
5.2.15	Colour code low voltage		---

Handwritten signature





Test Report issued under the responsibility of:



TEST REPORT
IEC / EN 60598-2-3
Luminaires
Part 2: Particular requirements
Section 3: Luminaires for road and street lighting

Report Number..... : 801444-01/01-A1
 Date of issue : 24. 10. 2018, Amendment No. 1: 29. 03. 2019
 Total number of pages 5

Name of Testing Laboratory preparing the Report : **Elektrotechnický zkušební ústav, s. p.**
 Pod lisem 129, 171 02 Praha 71 – Troja, Czech Republic

Applicant's name : LUG Light Factory Sp.z o.o.
 Address : Ul. Grozowska 11, 65-127 Zilena Góra, Poland

Test specification:

Standard : IEC 60598-1:2014,
 IEC 60598-2-3:2002 + A1:2011
 EN 60598-1:2015,
 EN 60598-2-3:2003+A1:2011

Test procedure : CB, ENEC Scheme

Non-standard test method : N/A

Test Report Form No. : IEC60598_2_3J

Test Report Form(s) Originator : Intertek Semko AB

Master TRF : 2014-09

Copyright © 2014 IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System). All rights reserved.


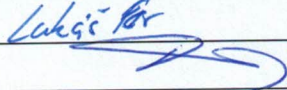
This publication may be reproduced in whole or in part for non-commercial purposes as long as the IECEE is acknowledged as copyright owner and source of the material. IECEE takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context.

If this Test Report Form is used by non-IECEE members, the IECEE/IEC logo and the reference to the CB Scheme procedure shall be removed.

This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the Issuing CB Testing Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the NCB, responsible for this Test Report.

Test item description	Luminaires for road and street lighting	
Trade Mark		
Manufacturer.....	LUG Light Factory Sp.z o.o.	
Model/Type reference	AVENIDA LENS LED ED 3200lm/740 AVENIDA LENS LED ED 4200lm/740 AVENIDA LENS LED ED 4500lm/740 AVENIDA LENS LED ED 6300lm/740	
Ratings	220-240 V; 50-60 Hz; IP 66; protection class II; IK 10 max. 25 W LED; ta 55 °C - AVENIDA LENS LED ED 3200lm/740 max. 35 W LED; ta 50 °C - AVENIDA LENS LED ED 4200lm/740 max. 35 W LED; ta 50 °C - AVENIDA LENS LED ED 4500lm/740 max. 49 W LED; ta 45 °C - AVENIDA LENS LED ED 6300lm/740	
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	
Testing location/ address	Elektrotechnický zkušební ústav, s. p. Pod lisem 129, 171 02 Praha 71 – Troja, Czech Republic	
<input type="checkbox"/>	Associated CB Testing Laboratory:	
Testing location/ address		
Tested by (name, function, signature)	Lukáš Fér	
Approved by (name, function, signature)....	Zdeněk Dvořák	
<input type="checkbox"/>	Testing procedure: TMP/CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature)....		
<input type="checkbox"/>	Testing procedure: WMT/CTF Stage 2:	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name, function, signature)..:		
Approved by (name, function, signature)....		
<input type="checkbox"/>	Testing procedure: SMT/CTF Stage 3 or 4:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature)..:		



Approved by (name, function, signature) ...:		
Supervised by (name, function, signature) :		

List of Attachments (including a total number of pages in each attachment):

Summary of testing:

Tests performed (name of test and test clause): all required tests

Testing location: as above

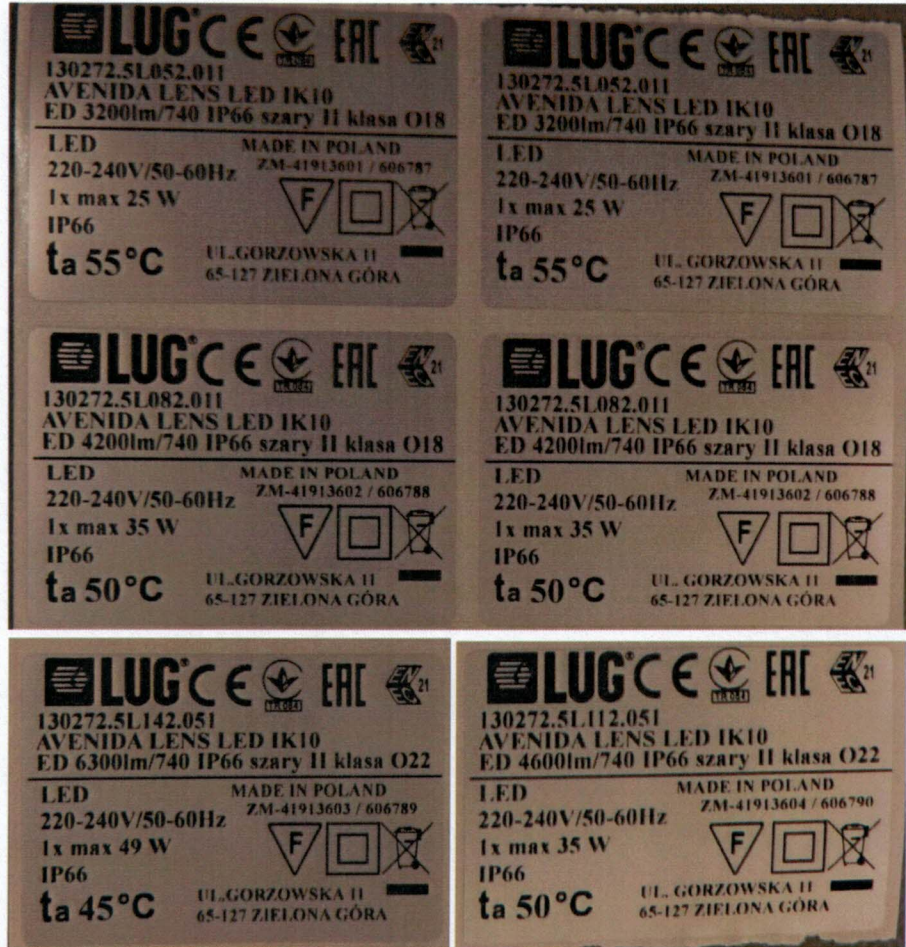
Summary of compliance with National Differences: ---

List of countries addressed

The product fulfils the requirements of _____ (insert standard number and edition and delete the text in parenthesis, leave it blank or delete the whole sentence, if not applicable)

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Test item particulars	
Classification of installation and use	Luminaires for road and street lighting
Supply Connection	Prepared wires
.....	
Possible test case verdicts:	
- test case does not apply to the test object	N/A (Not applicable)
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
Testing	
Date of receipt of test item	19. 07. 2018
Date (s) of performance of tests	04. 09. 2018 - 24. 10. 2018
.....	
General remarks:	
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.	
Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60529:	
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies): ---	
General product information:	
Tested type: see page 4. 220-240 V; 50-60 Hz; IP 66; protection class II	
This Amendment Report, Ref. No. 801444-01/01-A1 to the original Report. No. 801444-01/01 dated 24. 10. 2018 contains new copy of marking plate and additional information about test of protection against external mechanical impacts – IK 10.	
Test IK 10 – see the EZÚ Test Report no. 910630-01/01 dated 04. 03. 2019	