



Management Service

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH

certifies that



LUG LIGHT FACTORY Sp. z o.o.

ul. Gorzowska 11
65-127 Zielona Góra
Poland

including the sites and scope of application
see enclosure

has established and applies
a Quality Management System.

An audit was performed, Report No. **73423157**.

Proof has been furnished that the requirements
according to

ISO 9001:2015

are fulfilled.

The certificate is valid from **2018-04-03** until **2021-03-06**.

Previous certificate valid until 2018-03-06.

Certificate Registration No.: **12 100 23152 TMS**.

Product Compliance Management
Munich, 2018-04-05





Enclosure of Certificate Registration No.: 12 100 23152 TMS

Sites	Scope of application
LUG LIGHT FACTORY Sp. z o.o. ul. Gorzowska 11 65-127 Zielona Góra Poland	Designing, production and sales of lighting systems.
Lug Light Factory Sp. z o.o. ul. Nowa 7 66-002 Nowy Kisielin Poland	Designing and production of lighting systems.

Product Compliance Management
Munich, 2018-04-05



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LUG LIGHT FACTORY Sp. z o.o.

ul. Gorzowska 11
65-127 Zielona Góra
Poland

including the sites and scope of application
see enclosure

has established and applies
an Environmental Management System.

An audit was performed, Report No. **73423157**.

Proof has been furnished that the requirements
according to

ISO 14001:2015

are fulfilled.

The certificate is valid from **2018-04-03** until **2021-04-02**.

Certificate Registration No.: **12 104 23152 TMS**.

Product Compliance Management
Munich, 2018-04-05





Management Service

Enclosure of Certificate Registration No.: 12 104 23152 TMS

Sites	Scope of application
LUG LIGHT FACTORY Sp. z o.o. ul. Gorzowska 11 65-127 Zielona Góra Poland	Designing, production and sales of lighting systems.
Lug Light Factory Sp. z o.o. ul. Nowa 7 66-002 Nowy Kisielin Poland	Designing and production of lighting systems.

Product Compliance Management
Munich, 2018-04-05

Page 2 of 2



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LUG LIGHT FACTORY Sp. z o.o.

**ul. Gorzowska 11
 65-127 Zielona Góra
 Poland**

Scope of application

**Designing, production and sales of
 lighting systems**

**ul. Nowa 7
 66-002 Nowy Kisielin
 Poland**

Scope of application

**Designing and production of
 lighting systems**

has established and applies
 an Energy Management System.

An audit was performed, Report No. **73424335**.

Proof has been furnished that the requirements according to

ISO 50001:2011

are fulfilled.

The certificate is valid from **2018-04-18** until **2021-04-17**.

Certificate Registration No.: **12 340 23152 TMS**.

M. Wegner

Product Compliance Management
 Munich, 2018-04-18



Deutsche
 Akkreditierungsstelle
 D-ZM-14143-01-00



CERTIFICATE OF LABORATORY APPROVAL

No. TSP-17025-LB-001.00

Laboratory for Photometric, Thermal, Leak,
Colorimetric and Electrical Tests

LUG LIGHT FACTORY Sp. z o.o.

ul. Gorzowska 11

65-127 Zielona Góra, Polska

Branch: **ul. Nowa 7, 66-002 Nowy Kisielin**

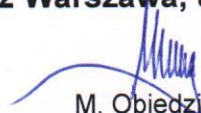
having met the criteria regarding technical requirements
specified in point 5 of the standard PN-EN ISO/IEC 17025:2005
has been approved by TÜV SÜD Polska for performing of
photometric, thermal, leak, colorimetric and electrical tests.

The scope of approved test methods is specified in the attachment to this
certificate.

This certificate is valid from 04.04.2018 to 04.04.2021.

TÜV SÜD Polska Sp. z o.o.
00-252 Warszawa, ul. Podwale 17




M. Obiedziński
Head of Industry Service Department

Warszawa, on the 23rd of May 2018



Poland

No.	Tested object, object group	Tested features/Method	Standard
1.	Luminaires - general requirements	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • MARKING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-1:2015- 04
2.	Surface-mounted luminaires	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • MARKING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	EN 60598-2-1:1989

3.	Flush-mounted luminaires	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • CLEARANCES AND CREEPAGE DISTANCES • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • CLAMPS 	PN-EN 60598-2-2:2012
4.	Road and street luminaires	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-2-3:2016/A1:2012
5.	Portable luminaires	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • CLAMPS 	PN-EN 60598-2-4:2002

6.	Floodlights	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-2-5:2016-02
7.	Luminaires for hospital clinical zones	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-2- 25:2000 +A1:2005
8.	Ground recessed luminaires	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-2-13:2017+A1:2012

9.	Luminaires for swimming pools	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-2-18:2002+A1:2012
10.	Luminaires with limited surface temperatures	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS 	PN-EN 60598-2- 24:2014-02

11.	Emergency luminaires	<ul style="list-style-type: none"> • CLASSIFICATION OF LUMINAIRES • STAMPING • STRUCTURE • INTERNAL AND EXTERNAL WIRING • ADJUSTMENT TO EARTHING • PROTECTION AGAINST ELECTRIC SHOCK • RESISTANCE TO DUST, SOLIDS AND MOISTURE • RESISTANCE AND ELECTRICAL STRENGTH OF INSULATION • TOUCH CURRENT AND PROTECTIVE CONDUCTOR CURRENT • CLEARANCES AND CREEPAGE DISTANCES • DURABILITY TEST AND THERMAL TEST • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • SCREW CLAMPS • SCREWLESS CLAMPS AND ELECTRICAL CONNECTORS • PHOTOMETRIC DATA • SWITCHING OPERATION • WORK AT A HIGH TEMPERATURE 	PN-EN 60598-2- 22:2015-01+AC:2016- 11
12.	Luminaires - light and lighting, measurement and presentation of lamps and luminaires photometric data: LED lamps, modules and luminaires	<ul style="list-style-type: none"> • LABORATORY REQUIREMENTS • PREPARATION, ASSEMBLY AND WORKING CONDITIONS • PHOTOMETRIC VALUE MEASUREMENT • COLORIMETRIC VALUE MEASUREMENT <ul style="list-style-type: none"> • TEST RESULTS PRESENTATION 	PN-EN 13032-4:2015- 09
13.	Luminaires – Electrical and photometric tests of LED luminaires and modules	<ul style="list-style-type: none"> • LABORATORY REQUIREMENTS • TESTED OBJECTS POWER PARAMETERS • SEASONING OF TEST SAMPLES • STABILIZATION OF TEST SAMPLES • ELECTRICAL MEASUREMENTS • PREPARATION, ASSEMBLY AND WORKING CONDITIONS • METHODS OF PHOTOMETRIC VALUE MEASUREMENT • METHODS OF COLORIMETRIC VALUE MEASUREMENT • PRESENTATION OF TEST RESULTS • PERFORMANCE MEASUREMENT 	IES LM-79-08
14.	Luminaires	<ul style="list-style-type: none"> • EVALUATION OF RISK TO RETINA DUE TO BLUE LIGHT EXPOSURE, RISK GROUP RG0, RG1, RG2, RG3 • Lb ENERGY LUMINANCE MEASUREMENT • Eb RADIATION INTENSITY MEASUREMENT • Es ACTINIC DOSE MEASUREMENT 	PN-EN 62471:2010 & IEC/TR 62778:2104

15	Luminaires	<ul style="list-style-type: none"> DEFINING THE LEVEL OF PROTECTION AGAINST EXTERNAL MECHANICAL IMPACT PROVIDED BY ELECTRICAL APPLIANCES HOUSINGS (CODE IK) 	PN-EN 62262:2003 REPLACES PN-EN 50102:2001
16	Luminaires	<ul style="list-style-type: none"> DEFINING THE LEVEL OF PROTECTION PROVIDED BY ELECTRICAL APPLIANCES HOUSINGS (CODE IP), (IP2X-IP6X, IPX3-IPX7) 	PN-EN 60529:2003+AC:2017-12
17.	Devices for lamps – general requirements	<ul style="list-style-type: none"> CLASSIFICATION MARKING CLAMPS PROTECTIVE EARTHING PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS RESISTANCE TO MOISTURE AND INSULATION ELECTRIC STRENGTH FAULT CONDITIONS STRUCTURE CLEARANCES AND CREEPAGE DISTANCES SCREWS, POWER LEADING PARTS AND CONNECTIONS RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT RESISTANCE TO CORROSION OUTPUT VOLTAGE WITHOUT LOAD 	PN-EN 61347-1:2015- 09
18.	Devices for lamps – LED drivers	<ul style="list-style-type: none"> CLASSIFICATION MARKING CLAMPS PROTECTIVE EARTHING PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS RESISTANCE TO MOISTURE AND INSULATION ELECTRIC STRENGTH FAULT CONDITIONS STRUCTURE CLEARANCES AND CREEPAGE DISTANCES SCREWS, POWER LEADING PARTS AND CONNECTIONS RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT RESISTANCE TO CORROSION 	PN-EN 61347-2- 13:2015-04

19.	Devices for lamps – Emergency modules	<ul style="list-style-type: none"> • CLASSIFICATION • MARKING • CLAMPS • PROTECTIVE EARTHING • PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS • RESISTANCE TO MOISTURE AND INSULATION • ELECTRIC STRENGTH • FAULT CONDITIONS • STARTING CONDITIONS • LAMP CURRENT • INPUT CURRENT • EBLF FUNCTIONAL SAFETY • SWITCHING FUNCTION • RELOADING DEVICE • PROTECTION AGAINST EXCESSIVE DISCHARGING • INDICATOR • REMOTE CONTROL, SLEEP MODE, LOCK MODE • REGULAR THERMAL TESTS AND DURABILITY TESTS • STRUCTURE • POLARITY REVERSAL • CLEARANCES AND CREEPAGE DISTANCES • SCREWS, POWER LEADING PARTS AND CONNECTIONS • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • RESISTANCE TO CORROSION • ABNORMAL LAMP CONDITIONS • PROTECTION OF ASSOCIATED SUBASSEMBLIES 	PN-EN 61347-2-7:2012
20.	LED modules for general lighting purposes – safety requirements	<ul style="list-style-type: none"> • CLASSIFICATION • MARKING • CLAMPS • PROTECTIVE EARTHING • PROTECTION AGAINST INCIDENTAL TOUCH OF ACTIVE PARTS • RESISTANCE TO MOISTURE AND INSULATION • ELECTRIC STRENGTH • FAULT CONDITIONS • STRUCTURE • CLEARANCES AND CREEPAGE DISTANCES • SCREWS, POWER LEADING PARTS AND CONNECTIONS • RESISTANCE TO HEAT, FIRE AND CREEPING CURRENT • RESISTANCE TO CORROSION 	PN-EN 62031:2010+A1:2013-06

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TUV SUD Polska Sp. z o.o.
TUV SUD
Industrie Service

/signature illegible/
P. Kukuła
Head of Industrie Service Department