



UltraViolet Germicidal Irradiation

LIGHT PROGRESS és una marca amb garantia del sistema de gestió de la qualitat certificat ISO 9001: 2015.

Molts assajos i proves durant els nostres vint anys d'activitat ens han permès millorar la qualitat dels nostres productes.

Gràcies a la nostra col·laboració amb grans universitats i instituts de renom mundial, hem rebut certificacions que ens permeten garantir la màxima eficàcia del nostre mètode i dels nostres dispositius.

A més de programar proves externes, podeu contactar amb nosaltres per realitzar proves al vostre lloc: estudiarem en profunditat la possibilitat d'aplicar els sistemes UV-C a la vostra activitat.



Member of IUVA - International UV Association



Light Progress AWARD Winner 2016
BEST UV PRODUCT INNOVATION

Certificate



Reg. Number: 6950 - A Valid from: 2016-07-26
 First issue date: 2007-12-21 Last notification date: 2013-07-24
 Following renewal date: 2019-07-26 EA Sector: EA: 19

Quality Management System Certificate ISO 9001:2015

We certify that the Quality Management System of the Organization:
LIGHT PROGRESS S.r.l.
 is in compliance with the standard UNI EN ISO 9001:2015 for the following products/services:
 Design and production of UV-C rays disinfection systems

Chief Operating Officer
 Giampiero Baldoni

Maintenance of the certification is subject to annual survey and dependent upon the observance of Kiwa Cermet Italia contractual requirements.

This certificate consists of 1 page.

LIGHT PROGRESS S.r.l.
 Registered Headquarters
 - Via Guglielmo Marconi, 81 52031 Anghiari (AR) Italia
 Certified sites
 - Località San Antonio 40 52043 Castiglion Fiorentino (AR) Italia
 - Via Guglielmo Marconi, 81 52031 Anghiari (AR) Italia

Kiwa Cermet Italia S.p.A.
 Società con socio unico, soggetta
 all'attività di direzione e coordinamento
 di Kiwa Italia Holding Srl
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ISO 9001:2015
 ISO 9001:2008
 UNI EN ISO 9001:2008

CERTIFICATE OF COMPLIANCE

Certificate Number: 20130702-E362672
 Report Reference: E362672-20130628
 Issue Date: 2013-JULY-02

Issued to: LIGHT PROGRESS SRL
 VIA G. MARCONI 81
 52031 ANGIARI AR ITALY

This is to certify that representative samples of ACCESSORIES, AIR-DUCT MOUNTED Duct-Mounted UV Lamp Assembly, Models UV-RACK, followed by 3/, 4/ or 6/, followed by 40H, 60H or 90H.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: Bi-National Standard for Heating and Cooling Equipment, ANSI/UL 1995-2011 and CAN-CSA C22.2 No. 236-11

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Classification Mark for the U.S. and Canada should be considered as being covered by UL's Classification and Follow-Up Service and meeting the appropriate U.S. and Canadian requirements.

The UL Classification Mark includes: the UL in a circle symbol (UL) with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) as indicated in the appropriate UL Directory. The UL Classification Mark for Canada includes: the UL Classification Mark for Canada (ULC) with the word "CLASSIFIED" (as shown); a control number (may be alphanumeric) assigned by UL; a statement to indicate the extent of UL's evaluation of the product; and the product category name (product identity) in English, French, or English/French as indicated in the appropriate UL Directory.

Look for the UL Classification Mark on the product.

William R. Coney
 William R. Coney, Director, North American Certification Programs
 UL LLC



DECLARATION OF COMPLIANCE

We, LIGHT PROGRESS S.r.l., hereby declare under our own responsibility that the following units of own production:

UV..... Series

- are in accordance with EEC directive 2014/30/EU (Electromagnetic Compatibility)
- are in accordance with EEC Machinery Directive dispositions 2006/42/EU
- are in accordance with EEC Low Voltage Directive 2014/35/EU
- are in accordance with EEC (RoHS) directive 2002/95/EU and 2011/65/EU

TECHNICAL STANDARDS APPLIED

UNI EN ISO 12100:2010	Safety of Machinery - Basic Concepts, General Principles for Design - Risk assessment and risk reduction
UNI EN ISO 13857:2008	Safety of Machinery - Safety Distances to prevent danger zones being reached by the upper and lower limbs (2008)
ISO 14120:2015	Safety of Machinery - Guards - General Requirements for the Design and construction of fixed and movable guards
UNI EN ISO 13849-1:2016	Safety of Machinery - Parts of the Control System related to the Safety - Part 1: General Design Principles
UNI EN ISO 14119:2013	Safety of Machinery - Interlocking devices associated with guards - Principles for design and selection
CEI EN 60204-1/EC	Safety of Machinery - Electrical Equipment of Machines. Part 1: General Rules (2010)
EN 61439-1:2011	Low-voltage Switchgear and Control Gear Assemblies. Part 1: General rules

FURTHER TECHNICAL STANDARDS APPLIED:

IEC EN 60335-1 "Safety of household electrical appliances and similar"
 Electronic Ballasts for the control of the lamps in accordance with the standard EN 60928.
 Germicidal UV-C Lamps in accordance with EN 61199.
 Electrical Protective Measures in accordance with IEC 70-1, EN 60229.

Anghiari, March, 10th 2017



Responsible for Standards: Dr. Aldo Santi



UNIVERSITÀ
DI SIENA
1240

University Tests - Air Treatment

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MOLECULAR EPIDEMIOLOGY
Research Station



Valutazione dell'effetto che purificatori d'aria a raggi UV-C prodotti da **LIGHT PROGRESS®** hanno sulla carica microbica e fungina presente nell'aria.

University of Siena
Department of Physiopathology,
Experimental Medicine and Public Health
Lab. Molecular Epidemiology
Prof. Emanuele Martiniotti

Emanuele Martiniotti
Stefano Berti

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Grafico 1

Abbattimento prodotto da UV - FAN M2/95P (B) sulla carica Mesofila e Psicrofila


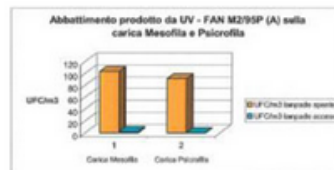


Grafico 2

Abbattimento prodotto da UV - FAN M2/95P (A) sulla carica Mesofila e Psicrofila



University of Siena
Department of Physiopathology,
Experimental Medicine and Public Health
Lab. Molecular Epidemiology
Prof. Emanuele Martiniotti

Emanuele Martiniotti

University Tests - Microbial Load Reduction



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MOLECULAR EPIDEMIOLOGY
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Valutazione dell'effetto battericida, sporicida e fungicida dei raggi UV-C emessi da apparecchi **LIGHT PROGRESS®**

University of Siena
Department of Physiopathology,
Experimental Medicine and Public Health
Lab. Molecular Epidemiology
Prof. Emanuele Martiniotti

Emanuele Martiniotti
Stefano Berti

Aspergillus niger



Aspergillus niger su Petri dish con Agar, a sinistra in piastra non irradiata, a destra in piastra irradiata con UV-C.

Escherichia coli



Escherichia coli su Petri dish con Agar N.1, a sinistra in piastra non irradiata, a destra in piastra irradiata con UV-C.

Staphylococcus aureus



Staphylococcus aureus su Petri dish con agar, a sinistra in piastra non irradiata, a destra in piastra irradiata con UV-C.

Tabella 1

Reduzione dell'abbattimento carico di Propagule di raggi UV-C. Cella stacco di 10⁶ CFU/ml - ricognitore luce

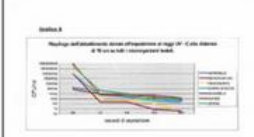


Tabella 2

Reduzione dell'abbattimento carico di Propagule di raggi UV-C. Cella stacco di 10⁶ CFU/ml - ricognitore luce

