



Fraunhofer

**TESTED[®]
DEVICE**

REGIOLUX GmbH
ADAMP/1500 LED 12500 IPA
Report No. RE 2011-1189

DUPLICATE

Statement of
Qualification

Single product
Riboflavin Test
(Equipment)

Statement of Qualification · Single product

Customer

Regiolux GmbH
Hellingerstrasse 3
97486 Königsberg
Germany

Component tested

Category: Cleanroom Facilities
Subcategory: Lighting Systems
Product name: ADAMP/340-1500 LED 12500 940 DALI IP65
(manufacturing date: week 43/2020; color: traffic white; serial number: 62154026670)

Cleanability test (riboflavin test)

Standards/Guidelines: VDMA information sheet »Riboflavin test for low-germ or sterile process technologies – Fluorescence test for examination of cleanability«. The norms stated generally refer to the version valid at the time of the tests.

Test environment parameters: Laboratory

Test procedure parameters:

- Test solution:0.2 g riboflavin, 1 g hydroxethylcellulosein 1000ml ultrapure water
- Application of test solution:..... pump spray
- Drying time: approx. 2 -3 h
- Cleaning method:..... wiping
- Cleaning medium:ultrapure water
- Number of wiping cycles: 3
- UV-light:..... $\lambda = 366 \text{ nm}$

The cleanability is examined and assessed qualitatively. The assesment based on the amount and size of defects occuring.

Test result / Classification

The luminaire ADAMP/340-1500 LED 12500 940 DALI IP65 can be cleaned simply by wiping it with ultrapure water. However, the fluorescence test identified several critical areas. These critical areas must be cleaned thoroughly by adapting the cleaning procedure e.g. by removal of certain parts before cleaning.

System component	Assessment of cleanability
ADAMP/340-1500 LED 12500 940 DALI IP65	good

DUPLICATE

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The measuring devices used for the qualification tests are calibrated at regular intervals; their results can be traced back to national and international standards. In cases where no national standards exist, the test procedure implemented complies with the technical regulations and norms applicable at the time of the test. The relevant documentation can be viewed on request at any time.

Detailed information and parameters of the test environment can be found in the Fraunhofer IPA test report.

Fraunhofer Institute for Manufacturing Engineering and Automation IPA

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Department of Ultraclean Technology and Micromanufacturing

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on behalf of 
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