



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Zumtobel Lighting GmbH  
CLEAN II Supreme Essential  
**Report No. ZU 2511-1683**

DUPLICATE

Statement of  
Qualification

Product series  
Hygienic Design

**Customer**

Zumtobel Lighting GmbH  
Schweizerstrasse 30  
6850 Dornbirn  
Austria

**Tested product**

Category: Cleanroom facilities

Subcategory: Lighting systems

Product name: CLEAN II Supreme Essential

Tested products:

- CLEAN II Supreme Essential M600Q 4600lm 840 (manufacturing date: 10/10/2025)
- CLEAN II Supreme Essential M625Q 6600lm 840 (manufacturing date: 10/10/2025)
- CLEAN II Supreme Essential M600L 6600lm 840 (manufacturing date: 10/10/2025)
- CLEAN II Supreme Essential M625L 7800lm 840 (manufacturing date: 10/10/2025)

**Assessment of conformity to GMP regulations as well as to EHEDG conception and design recommendations**

Standards/guidelines: EU GMP Annex 1; EHEDG Doc. 8; DIN EN 1672-2; ISO 14159  
The norms stated generally refer to the version valid at the time of the tests.

Assessment criteria:

- Materials utilized
- Material pairings
- Installed components
- Geometries of components used
- Joining methods
- Detailed constructional solutions
- Manufacturing processes
- Surface coatings/coating systems

The suitability of the operating utility for use in a GMP-conform manufacturing environment is ascertained on the basis of the assessment of these criteria with the aid of expert knowledge. The assessment focuses mainly on the avoidance of contamination as well as on the ability to clean and disinfect the operating utility.

**Test result / Classification**

The luminaire series CLEAN II Supreme Essential is principally suitable for use in hygienic areas up to the following GMP Class according to EU GMP Annex 1:

Suitability
up to GMP Class C

However, this only applies to the tested system in a resting state; an overall assessment of the manufacturing environment would need to be made after its installation.

The device may only be used in GMP Class A or B when it is certain that the geometry of the large-surface lamp does not impair the quality of the laminar flow.

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

Business unit Testing and Certification

Nobelstrasse 12  
70569 Stuttgart  
Germany

ZU 2511-1683

Report No. first document

--

Report No. current document

on behalf of

Dr.-Ing. Frank Bürger, head of business unit Testing and Certification

Stuttgart, November 28, 2025

Place, date of first document issued

--

Place, current date

