

IPA

Cleanroom (atmospheric)

valid until: November 28, 2030

Product series Particle Emission in Cleanroom (atmospheric)

Fraunhofer

TESTED[®] DEVICE

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

Qualification Certificate

This is to certify that the product mentioned above, provided by
Zumtobel Lighting GmbH
Dornbirn, Austria

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number ZU 2511-1683.

The luminaire series CLEAN II Supreme Essential (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$; relative humidity: $45\% \pm 5\%$), it is suitable for use in cleanrooms fulfilling the specifications of the following Air Cleanliness Class according to ISO 14644-1:

Test parameter(s)	Air Cleanliness Class
Structure-borne noise = approx. 50 Hz	
Overall result	1

This document only applies to the named product in its original state and is valid for a period of 5 years from the date the first document was issued. The document can be verified under www.tested-device.com.

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

It should be noted that cleanrooms of Class 1 to 5 according to ISO 14644-1 have a higher filter occupancy, which may restrict the use of panel lighting systems. Cleanrooms with a horizontal displacement flow form an exception to this. The test result may be affected by the surrounding ceiling system.

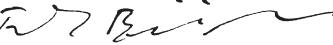
Please note: Transport damages, incorrect installation, aging behavior, corrosion etc. can influence the test result.

ZU 2511-1683
Report No. first document

Stuttgart, November 28, 2025
Place, date of first document issued

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Report No. current document

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Place, current date

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



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