



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Zumtobel Lighting GmbH  
SUPREME RECESSED  
Report No. ZU 2503-1608

Product series  
Particle Emission  
in Cleanroom  
(atmospheric)

## 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 2503-1608.

The luminaire series SUPREME RECESSED 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. 50Hz	2
Overall result	

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 2503-1608  
Report No. first document

Stuttgart, May 26, 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

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](http://www.tested-device.com).

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