



valid until: February 6, 2031

Fraunhofer

TESTED[®] DEVICE

Ritterwand GmbH & Co. KG
CR luminaire TK/FK M600
Report No. RI 2603-1734

Single product Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

This is to certify that the product mentioned above, provided by

Ritterwand GmbH & Co. KG
Nufringen, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number RI 2603-1734.

The Cleanroom recessed luminaire TK/FK M600 (color: white (RAL 9010)) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: 22 °C ± 0.5 °C; relative humidity: 45 % ± 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	1
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.

RI 2603-1734
Report No. first document

Stuttgart, February 6, 2026
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

DUPLICATE

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.