



Fraunhofer

TESTED[®] DEVICE

Ritterwand GmbH & Co. KG
luminaire FK 498.62.5090
Report No. RI 1606-832

Particle Emission

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 1606-832.

When operated under the specified test conditions, the system recessed luminaire Ritterwand FK 498.62.5090 (color: white) 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. 5 to 50Hz	1
Overall result	1

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. The test result may be affected by the surrounding ceiling system.

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

Stuttgart, July 22, 2016

on behalf of 
Frank Bürger, Project manager Fraunhofer IPA

DUPLICATE

The validity of this certificate applies only to the mentioned product in this particular condition for a duration of 5 years.
Further information:
www.tested-device.com