



Fraunhofer

TESTED[®] DEVICE

Philips Lighting
Cleanroom CR434B LED 48/840
Report No. PH 1802-1006

Particle Emission

Qualification Certificate

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

Philips Lighting
JD Winterswijk, The Netherlands

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number PH 1802-1006.

When operated under the specified test conditions, the lighting system Cleanroom CR434B LED 48/840 PSD W60L60 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 50 Hz	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. Cleanrooms with a horizontal displacement flow form an exception to this.

PH 1802-1006
Report No. first document

Stuttgart, February 28, 2018
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, Project Manager Fraunhofer IPA

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.