



Fraunhofer

TESTED[®] DEVICE

Fagerhults Belysning AB
ML Hydro LED-40740059
Report No. FA 1704-905

Particle Emission

Qualification Certificate

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

Fagerhults Belysning AB
Habo, Sweden

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number FA 1704-905.

When operated under the specified test conditions, the lighting system ML Hydro LED-40740059 (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 must be pointed out, that according to ISO 14644-1 cleanrooms classes 1 to 5 have a high filter occupancy, with the result that large-surface lighting/ceiling systems cannot be used in some cases. Cleanrooms with a horizontal displacement flow form an exception to this. The test result may be influenced by the surrounding ceiling system.

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

Stuttgart, May 15, 2017

Place, date of first document issued

--

Place, current date

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