



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Lindner AG  
Crono-I Clean 1200 TW  
Report No. LI 1809-1068

### Particle Emission

### Qualification Certificate

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

**Lindner AG**  
Mettenbach, Germany

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number LI 1809-1068.

The teardrop luminaire Crono-I Clean 1200 TW (color: RAL 9016) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions, 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. 5 to 50Hz	1
<b>Overall result</b>	<b>1</b>

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.

LI 1809-1068  
Report No. first document

Stuttgart, September 25, 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](http://www.tested-device.com).

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