



valid until: June 6, 2030

Fraunhofer

TESTED[®] DEVICE

Climar, Indústria de Iluminação, S.A.
Asep. Extr. PMMA+Glass
Report No. CL 2507-1656

Single product
**Particle Emission
in Cleanroom
(atmospheric)**

Qualification Certificate

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

Climar, Indústria de Iluminação, S.A.
Borralha, Portugal

has been awarded a Fraunhofer certificate TESTED DEVICE
bearing the report number CL 2507-1656.

The luminaire Aseptic Extreme Rec. White 595x595mm 45W 840 PMMA82 + Glass (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: $22^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$; relative humidity: $45\% \pm 5\%$), 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.

CL 2507-1656
Report No. first document

Stuttgart, June 6, 2025
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

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.



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