



valid until: June 6, 2030

Fraunhofer

TESTED[®] DEVICE

Climar, Indústria de Iluminação, S.A.
Aseptic Extr. Opal PC
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 1195x595mm Opal PC30 90W 840 (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.