



valid until: March 6, 2031

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

EAE Lighting  
BLOOM IP65 60x60  
**Report No. EA 2602-1723**

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

### Qualification Certificate

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

**EAE Lighting**  
Dilovasi, Turkey

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number EA 2602-1723.

The BLOOM V3 IP65, Recessed Mounted 60x60 cm 36 W LED Luminaire (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: 22 °C ± 0.5 °C; relative humidity: 45 % ± 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                     |
| <b>Overall result</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.

Please note: Transport damages, incorrect installation, aging behavior, corrosion etc. can influence the test result.

EA 2602-1723      Stuttgart, March 6, 2026  
Report No. first document      Place, date of first document issued

--      --  
Report No. current document      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](http://www.tested-device.com).

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

The norms stated generally refer to the version valid at the time of the tests.

DUPLICATE