

Fraunhofer

TESTED® DEVICE

THORN Lighting Limited INV (INVINCIBLE RECESSED) Report No. TH 2505-1629

Product series Particle Emission in Cleanroom (atmospheric)

Qualification Certificate

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

THORN Lighting Limited Durham, United Kingdom

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number TH 2505-1629.

The luminaire series INV (INVINCIBLE RECESSED) (color: white) was assessed in compliance with ISO 14644-14. When operated under the specified test conditions (room temperature: 22 °C \pm 0.5 °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. 50 Hz	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.

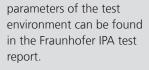
Please note: Transport damages, incorrect installation, aging behavior, corrosion etc. can influence the test result.

TH 2505-1629 Report No. first document Stuttgart, June 6, 2025

Place, date of first document issued

Report No. current document

Place, current date



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

