



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Thorn luminaire  
DUOPROOF  
Report No. TH 0711-419

DUPLIKAT

### IPA Qualification Certificate

This is to certify that the products mentioned below manufactured by the company

#### Thorn Lighting Limited

Lighting Technology Centre  
Merrington Lane Industrial Estate  
Spennymoor  
Co. Durham  
DL16 7UR

has been awarded the IPA Qualification Certificate with Report Number TH 0711-419.

The luminaire DUOPROOF - DUOPRF 4X18W T26 HF IP65 is suitable for use in cleanrooms fulfilling the specifications of Air Cleanliness Class ISO Class 5 (according to ISO 14644-1).

The luminaires of the DUOPROOF-series are suitable for use in cleanrooms fulfilling the specifications of the room classes E - F (according to EU GMP-Guideline vol.4, annex).

Detailed information and parameters of the test environment can be found in the IPA Test Report compiled by the Fraunhofer Society.

Certified on 01<sup>st</sup> February 2008.

The period of validity of this certificate is unlimited. For further information, see <http://www.ipa-qualification.com>

Stuttgart, Germany, 01<sup>st</sup> February 2008

A handwritten signature in black ink, appearing to read 'R. B. Brin'.

on behalf of



Fraunhofer Institut  
Produktionstechnik und  
Automatisierung