



valid until: May 13, 2031

# Fraunhofer

## TESTED<sup>®</sup> DEVICE

Kinglight  
PL-60120/60130-CR  
**Report No. SU 2604-1757**

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

### Qualification Certificate

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

**Suzhou Kinglight Optoelectronics**  
Zhangjiagang City, China

has been awarded a Fraunhofer certificate TESTED DEVICE bearing the report number SU 2604-1757.

The Cleanroom LED panel light PL-60120/60130-CR: 595×1195×100mm, 60W, 4000K, 120lm/W (color: white RAL9003) 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.

SU 2604-1757      Stuttgart, May 13, 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