



# Fraunhofer

## TESTED<sup>®</sup> DEVICE

SG Armaturen A/S  
DiLED IV 595x595  
**Report No. SG 2502-1597**

Product series  
**Particle Emission  
in Cleanroom  
(atmospheric)**

## Qualification Certificate

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

**SG Produktion A/S**  
Odense N, Denmark

has been awarded a Fraunhofer certificate TESTED DEVICE  
bearing the report number SG 2502-1597.

The luminaire series DiLED IV 595x595 (color: RAL 9010) 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.

SG 2502-1597

Report No. first document

Stuttgart, March 14, 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, Project Manager Fraunhofer IPA

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.



**Fraunhofer**  
IPA