

# DLG Test Report 7472

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argon lighting GmbH

## LED Moisture-proof luminaire "Type FL16 ABS"

Resistance to ammonia, cleaning distance



## Overview

A test mark “DLG-APPROVED for individual criteria” is awarded for agricultural products which have successfully fulfilled a scope-reduced usability testing conducted by DLG according to independent and recognized evaluation criteria. The test is intended to highlight particular innovations and key criteria of the test object. The test may contain criteria from the DLG test scope for overall tests, or focus on other value-determining characteristics and properties of the test subject. The minimum requirements, test conditions and procedures as well as the evaluation bases of the test results will be specified in consultation with an expert group of DLG. They correspond to the recognized rules of technology, as well as scientific and agricultural knowledge and requirements. The successful testing is concluded with the publication of a test report, as well as the awarding of the test mark which is valid for five years from the date of awarding. The ammonia resistance test was performed as a laboratory test according to the patented DLG test standard. This test is intended to determine the suitability of equipment for animal living areas to withstand the impact of animal environments. The cleaning distance test assesses the suitability for cleaning animal living areas. Other criteria have not been assessed.



**ARGON LIGHTING  
FL16 ABS**

✓ Resistance to ammonia  
✓ Cleaning distance

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## Assessment in brief

The LED luminaire “Type FL16 ABS” passed the “ammonia resistance” test with a preservation of the luminous flux of 94,6 % [1] and the cleaning distance test. The LED luminaire in the length of 615 mm and 1455 mm was tested. Excerpts from the associated DLG test frame can be found at: [https://www.dlg-testservice.com/fileadmin/Redaktion/downloads/landwirtschaft/flyer/DLG-Pruefrahmen\\_Leuchtsysteme\\_in\\_Staellen\\_en.pdf](https://www.dlg-testservice.com/fileadmin/Redaktion/downloads/landwirtschaft/flyer/DLG-Pruefrahmen_Leuchtsysteme_in_Staellen_en.pdf)

DLG QUALITY PROFILE	Evaluation*
Ammonia resistance	■ ■ ■ ■ □
Preservation of the luminous flux	■ ■ ■ ■ ■
Cleaning distance	■ ■ ■ □ □

\* The DLG test framework provides the following options in its evaluation schemes: ■ ■ ■ or better = meets, exceeds or clearly exceeds the specified DLG standard, ■ ■ = meets the legal requirements for marketability, ■ = failed

## Manufacturer and product information

### Manufacturer and applicant

argon lighting GmbH, Ziegler Straße 19, 33161 Hövelhof, Deutschland, Germany

### Technical data (manufacturer information)

“Type FL16 ABS”			
	1.2 ft	1.4 ft	1.5 ft
Length x width x height	615 mm x 95 mm x 85 mm	1,175 mm x 95 mm x 85 mm	1,455 mm x 95 mm x 85 mm
Material	diffuser: transparent AC, body: dark grey ABS		
Rated input power	8 - 15 W	16 - 43 W	20 - 54 W

[1] corrected 78,5 %



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