

iQ-AF Box

User Manual

April 24, 2018



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1 INTRODUCTION

Important information: Read the manual carefully before using this device.

Inappropriate utilization may cause damage to the device, to the DUT (device under test), and/or other components of your setup.

Please keep these instructions in a safe place and pass them on to any future user.

1.1 Conformity

We, Image Engineering GmbH & Co. KG, hereby declare that the "iQ-AF Box" corresponds to the essential requirements of the following EC directive:

- Electromagnetic Compatibility 2014/30/EU
- RoHS 2 2011/65/EU
- Low Voltage 2014/35/EU

1.2 Intended use

The iQ-AF Box is designed to illuminate a test chart at different light levels. Any test chart of the size 124.5 x 83.5 cm can be inserted into the backside of the box.

- Only suitable for indoor use.
- Place your system in a dry, constant tempered environment without light interference.
- The optimal ambient temperature is 22 26 degrees Celsius, and the maximum ambient temperature is 18 28 degrees Celsius.

1.3 General safety information



WARNING!

- **Do not** open the device without instructions from the Image Engineering support team or when connected to the power supply.
- **Do not** reach your hands into the device's housing when connected to the power supply.
- **Do not** change the fluorescent tubes when connected to the power supply.
- Do not modify the device.

2 GETTING STARTED

2.1 Scope of Delivery

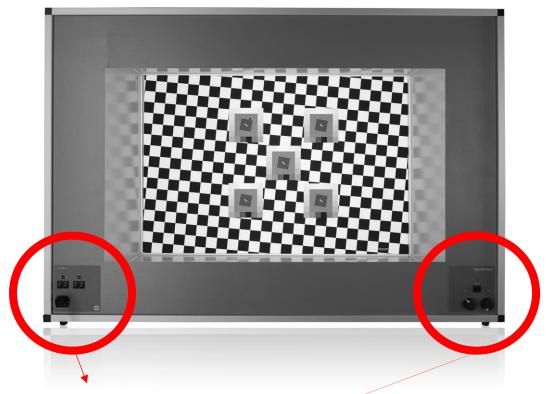
- iQ-AF Box
- Set of fluorescent tubes (D50)
- Power cable
- Test chart

3 OPERATING INSTRUCTIONS

3.1 Overview

The fluorescent tubes must be burned for 100 hrs. before you can start with the measurement.

Warm-up time: 10 minutes.



- The left switch turns on the left and right fluorescent tubes, while the right switch turns on the fluorescent tubes above and below. Below the switches is the input for the power cable.
- With the rotary control units, you can vary the intensities of the fluorescent tubes. The switch above can
 quickly shift between two previously adjusted light intensities without measuring the illuminance again.

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ADDITIONAL INFORMATION

4.1 **Maintenance**

The service life of the fluorescent tubes amounts to 15.000 hrs. When replacing the fluorescent tubes, keep in mind that they must burn in for 100 hrs. before use.

Disposal instructions 4.2

After the service life of the iQ-AF Box, it must be disposed of properly. Electrical and electromechanical components are included in the iQ-AF Box. Observe your national regulations and ensure that third parties cannot use the iQ-AF Box after disposing of it.

Contact Image Engineering if assistance for disposal is required.

TECHNICAL DATASHEET

See annex for the technical data sheet. It can also be downloaded from the website of Image Engineering: https://image-engineering.de/support/downloads.

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