ATMOS MedizinTechnik

Instructions for Use

ATMOS LS 31 LED

English



CE

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Table of contents

1 Introduction ... 3
1.1 Notes on the Instructions for Use ... 3
1.2 Explanation of pictograms and symbols ... 4
1.3 Intended use ... 6
1.4 Function ... 7
1.5 Scope of delivery ... 7
1.6 Transport and storage ... 7

2 Notes for your safety ... 8
2.1 General safety instructions ... 8
2.2 Danger to users, patients, and third parties ... 8
2.3 Avoiding damage to the device ... 9

3 Setting up and starting up ... 10
3.1 Device overview ... 10
3.2 Combination with other devices ... 10
3.3 Connecting the device ... 10

4 Operation ... 12
4.1 Environmental conditions during operation ... 12
4.2 Switching on the device ... 12
4.3 Switching off the device ... 12
4.4 Connecting the fiber optic light cable ... 12
4.5 Removing the fiber optic light cable ... 12
4.6 Adjusting the color temperature ... 12
4.7 Exchanging the adapter ... 12

5 Reprocessing ... 13
5.1 Safety instructions for reprocessing ... 13
5.2 General safety instructions ... 13
5.2.1 Danger to users, patients, and third parties ... 13
5.2.2 Avoiding damage to the device ... 13
5.3 Preparing and completing reprocessing ... 14
5.4 Reprocessing surfaces ... 14
5.4.1 Overview ... 14
5.4.2 Selecting surface disinfectants ... 14
5.5 Procedure ... 15

6 Maintenance and service ... 17
6.1 Periodic tests ... 17
6.2 Function check ... 17
6.3 Replacing the fuses ... 17
6.4 Sending in the device ... 18

7 Troubleshooting ... 19

8 Accessories ... 20

9 Disposal ... 21
9.1 Expected service life ... 21

10 Technical Data ... 22

11 Notes on EMC ... 23

1 Introduction

1.1 Notes on the Instructions for Use



These Instructions for Use contain important notes on how to operate the ATMOS LS 31 LED safely, correctly, and effectively.

These Instructions for Use are designed for training and instructing new operating personnel in the use of the system and also for use as a reference manual. This document may be reprinted, either in part or in whole, only with written permission of ATMOS.

These Instructions for Use must always be kept available near the device.



Care, periodic tests, regular cleaning, and proper application are indispensable. They ensure the operational safety and usability of the ATMOS LS 31 LED.

Maintenance, repairs, and periodic tests may be carried out only by persons who have the appropriate technical knowledge and are familiar with the product. The person must possess the test devices and original spare parts required to carry out these measures.



Read chapter “2 Notes for your safety” on page 8 before using the device for the first time. This will help you to avoid potentially dangerous situations.

The product bears the CE marking CE in accordance with the European Medical Device Regulation (MDR) 2017/745.

The ATMOS LS 31 LED complies with all applicable requirements of Directive 2011/65/EU restricting the use of certain hazardous substances in electrical and electronic equipment (“RoHS”).

The Declarations of Conformity and our General Standard Terms and Conditions can be obtained on our website at www.atmosmed.com.

The quality management system applied at ATMOS has been certified according to the international standard EN ISO 13485.

These Instructions for Use are valid for the following devices:

- ATMOS LS 31 LED 507.4800.0

1.2 Explanation of pictograms and symbols

In the Instructions for Use

⚠ DANGER

Warning of a hazard that will result in death or serious injury. Observe the necessary measures.

⚠ WARNING

Warning of a hazard that could result in death or serious injury. Observe the necessary measures.

⚠ CAUTION

Warning of a hazard that may result in minor or moderate injury. Observe the necessary measures.

NOTICE

Indicates a hazard that may result in damage to the product or other property if not avoided. Observe the necessary measures.

⚠	Warning of a hazard that could cause serious injury or death.
ⓘ	Notice of potential material damage.
☞	Useful information on handling the device.
1.	Action. Proceed step by step.
»	Result of an action.

On device, type plate, and packaging

	Follow Instructions for Use (blue)
	Consult Instructions for Use
CE	This device complies with the relevant requirements of EU regulations.
EAC	This device complies with the relevant requirements of the Eurasian Economic Union.
	Manufacturer
	Date of manufacture Country of manufacture: Germany
REF	Reference number
UDI	Unique Device Identifier of a medical device
MD	Medical device
SN	Serial number

IPX0	Specification of the degree of protection against the ingress of solids and moisture
	Type BF applied part
	Professional disposal
	Potential equalization
	Fuse
	Alternating current
	On, connected to the power supply
	Off, disconnected from the power supply
	Increase color temperature (light becomes whiter)
	Reduce color temperature (light becomes more yellow)
	Adjust color temperature
	Signal input and signal output
	This side up
	Handle with care
	Fragile, handle with care
	Keep dry
	Keep away from sunlight
	Temperature limit
	Humidity limitation
	Atmospheric pressure limitation

UDI application identifier

(01)	UDI-DI: Identification of the manufacturer and the device
(11)	Date of manufacture
(21)	Serial number

1.3 Intended use

Product name:	ATMOS LS 31 LED
Main functions:	LED cold light source for optical instruments. Provides adjustable color temperature and includes an external trigger function.
Intended use / intended purpose:	Illumination of natural orifices (e.g., ear, nose, throat) for diagnosis
Intended users / user profile:	Doctors and medical specialists
Intended patient target group:	Patients of all age groups without restrictions
Medical conditions to be diagnosed, treated or monitored:	Diagnostic examination of anatomy of all kinds
Application organ:	No restrictions (mainly ear, nose, throat)
Application period:	< 60 min.
Application environment:	Outpatient medical facilities, e.g., ENT practices, hospital outpatient departments, medical care centers
Patient selection criteria:	None
Indications:	Light source may be used along with other instruments for visual inspection of anatomy.
Medical contraindications:	None
Other contraindications:	None
Warnings:	None
The product is:	Active
Sterility/specific microbial status:	Non-sterile
Single-use product / reprocessing:	Not a single-use product. Reprocessing according to Instructions for Use.

1.4 Function

The product is a cold light source for medical use. In combination with a fiber optic light cable and an instrument connected to it, the light source enables the illumination of the viewing area for diagnostic purposes.

The device is an electrically driven device. It contains an LED whose luminous flux is focused on a small diameter output. Here, fiber optic light cables can be adapted for the transmission of light.

1.5 Scope of delivery



ATMOS LS 31 LED



Power cable



Storz adapter REF 530.6100.0



Instructions for Use

1.6 Transport and storage

Prior to dispatch, this ATMOS device was subjected to an extensive functional test and carefully packed. Nevertheless, check the contents of the shipment for completeness immediately upon receipt (see scope of delivery). If you notice any transport damage, or if the packaging has been accidentally opened or the product has been transported or stored under environmental conditions other than those specified in the Technical Data, document and report this.

Transport the product only in a shipping box that is padded and offers sufficient protection.

If you notice any transport damage:

1. Document and report the transport damage.
2. Send the device to ATMOS; see section “6.4 Sending in the device” on page 18.

Environmental conditions for transport and storage:

See chapter “10 Technical Data” on page 22.

2 Notes for your safety

Read and follow the safety instructions carefully before using the product.

2.1 General safety instructions

Report any serious incidents that have occurred in connection with this product to the manufacturer and your national competent authority.

Use only accessories and options that are specifically suited for combination with the product and meet the performance and safety requirements.

If you wish to connect more than one device or applied part, you must also follow their safety instructions.

Note that the light source is lit even if no fiber optic light cable is connected.

2.2 Danger to users, patients, and third parties

⚠ DANGER

Protect yourself from an electric shock.

Burns and cardiac arrhythmias, which may be fatal, are possible.

- Disconnect the device from the power supply before cleaning or disinfecting it.
- Before each use, check whether the device is damaged. Do not operate the device if you notice any damage. In this case, clean and disinfect the device and send it to ATMOS for repair.
- Connect the device only to a power supply with a protective conductor.
- Never touch the device's interfaces and the patient at the same time.
- Use only original accessories and original spare parts from ATMOS.
- Follow the instructions regarding periodic tests in section "6.1 Periodic tests" on page 17.
- Do not modify the device without the manufacturer's permission.
- Assembly, new settings, modifications, extensions, and repairs may be carried out only by authorized persons.

⚠ WARNING

Danger of glaring due to the high light intensity.

Eye injuries are possible. There is a risk of blinding for people without a blink reflex or who are particularly sensitive to light.

- Never look directly into the light source or fiber optic light cable.
- Do not direct the light source into the patient's eyes.
- Do not permit the patient to look into the light source or fiber optic light cable.
- The light source may be used only by instructed specialist personnel.

⚠ CAUTION

Heat generation at the light source.

Burns are possible.

- Be aware of heat generation at the light source.
- Switch off the light source whenever you do not need it.
- Do not reach into the connection for the fiber optic light cable adapter.
- Do not position the product in an enclosed environment or next to other heat sources.

⚠ CAUTION

Keep the device fully functional.

Your patient could be injured due to a missed diagnosis or light failure during treatment.

- ATMOS recommends always having another light source ready at hand.
- Perform a function check before each use.
- Follow the instructions on electromagnetic compatibility (EMC) for the device.

⚠ CAUTION

Explosion and fire hazard.

Burns and injuries are possible.

- Never operate the product in potentially explosive areas or in areas that are oxygenated.
- Use only original accessories and original spare parts from ATMOS.

Only a fully functional product meets the safety requirements of users, patients, and third parties. Therefore, observe the following instructions on your product.

NOTICE

Light failure when using the light source with a stroboscope.

Your patient can be injured.

- Connect only ATMOS stroboscopes.
- Use only the supplied interlink cable or an original ATMOS spare part.

2.3 Avoiding damage to the device

NOTICE

Storage and operation in an unsuitable environment.

The electronics can become damaged.

- Observe the environmental conditions in chapter “10 Technical Data” on page 22.

3 Setting up and starting up

3.1 Device overview

Front view



1. Color temperature controller
2. Adapter connector
3. On/Off switch

Rear view



4. F I/O connector for ATMOS Strobo 21 LED
5. Power cable connector
6. Fuses
7. Potential equalization connector

3.2 Combination with other devices

Only qualified personnel are allowed to set up electrical systems. The manufacturer of a medical electrical system is responsible for ensuring that the performance, installation and start-up, safety, technical data, and intended use of the ATMOS LS 31 LED are not impaired.

Observe the following information when connecting the device in the required combination:

- Observe the specifications of the standard IEC EN 60601-1 on medical electrical systems.
- Pay particular attention to the information on the patient environment, multiple socket-outlets, and leakage currents.

3.3 Connecting the device

Determining transport damage

1. Check the device for any transport damage.
2. If the device is damaged: document and report the transport damage. Send the device to ATMOS; see section “6.4 Sending in the device” on page 18.

Connecting the adapter

1. Screw a suitable adapter into the adapter connector.

☞ You can find all suitable adapters provided by ATMOS in chapter “8 Accessories” on page 20.

Connecting the stroboscope

1. Observe the instructions on medical electrical systems in section “3.2 Combination with other devices” on page 10.
2. Connect the ATMOS Strobo 21 LED as follows:

Type of stroboscope	Connection
ATMOS Strobo 21 LED with date of manufacture up to 2016-09	Trigger cable 507.4837.0 (Y-cable): F I/O 1 connector ❶ to LED light handle connector ❷ and F-Out connector ❸.  ATMOS LS 31 LED  ATMOS Strobo 21 LED up to 2016-09
ATMOS Strobo 21 LED with date of manufacture from 2016-10	Trigger cable 507.4838.0 F I/O 1 connector ❶ to F I/O connector ❹.  ATMOS LS 31 LED  ATMOS Strobo 21 LED from 2016-10

Potential equalization and power supply

1. Connect the potential equalization cable if required.

☞ The potential equalization cable must be connected if required by the spatial environment in which the product is used.

2. Check whether the mains voltage and frequency of the device match the voltage and frequency of the power supply.

☞ The device’s specifications can be found on the type plate.

3. If the mains voltage and mains frequency match: Connect the device to an earthed power connection using the supplied power cable.
4. Perform a function check; see section “6.2 Function check” on page 17.

4 Operation

4.1 Environmental conditions during operation

See chapter “10 Technical Data” on page 22.

4.2 Switching on the device

☞ Prior to each use, perform a function check; see section “6.2 Function check” on page 17.

1. Press the On/Off switch.

» The light source is lit.

4.3 Switching off the device

1. Press the On/Off switch.

» The light source is no longer lit.

4.4 Connecting the fiber optic light cable

1. Switch off the device.
2. Insert the fiber optic light cable into the adapter until it clicks into place easily.

☞ You can find all suitable fiber optic light cables provided by ATMOS in chapter “8 Accessories” on page 20.

4.5 Removing the fiber optic light cable

1. Switch off the device.
2. Remove the fiber optic light cable from the adapter.

4.6 Adjusting the color temperature

1. Turn the Color temperature controller.

☞ Turn it clockwise to make the light whiter or counterclockwise to make the light more yellow.

2. If a camera is connected, perform a white balance adjustment.

4.7 Exchanging the adapter

1. Switch off the device.
2. Remove the fiber optic light cable from the adapter.
3. Unscrew the adapter from the adapter connector.
4. Insert the desired adapter into the adapter connector.
5. Insert the fiber optic light cable into the adapter until it clicks into place easily.

☞ Perform a function check; see chapter “6.2 Function check” on page 17.

☞ You can find all suitable adapters provided by ATMOS in chapter “8 Accessories” on page 20.

5 Reprocessing

5.1 Safety instructions for reprocessing

5.2 General safety instructions

We recommend that you always document all maintenance work and exchange of parts in writing.

It is the responsibility of the user to ensure that the required results of cleaning and disinfection are achieved. Validation and routine monitoring of the procedure are generally necessary.

Reprocessing may be carried out only by persons who have the necessary expertise. The person must have the equipment required to carry out these measures.

5.2.1 Danger to users, patients, and third parties

NOTICE

Risk of infection due to unsuitable aids.

Pathogens may be transmitted.

- Wear disposable gloves during all cleaning and disinfection procedures.
- Use only aids that are suitable for reprocessing or are disposable products.

NOTICE

Risk of infection due to unsuitable reprocessing.

Pathogens may be transmitted.

- Ensure that all areas of the device can be easily reached.

5.2.2 Avoiding damage to the device

NOTICE

Electric shock caused by liquid inside the device.

Burns and cardiac arrhythmias, which may be fatal, are possible.

- Do not rinse the device under running water and do not immerse it in liquids.
- Make sure that the cleaning cloth is only damp and not wet.
- Do not subject the device to an autoclave or sterilization.
- Do not immerse the device in disinfectant solution.

NOTICE

Damage to the device due to cleaning with fixatives.

Stains may become permanent and cannot be removed.

- Do not use aldehydes before and during cleaning.
- Do not expose the product to temperatures above 40 °C / 104 °F before and during cleaning.

NOTICE

Unsuitable aids.

The product may become damaged.

- Use only lint-free, soft cloths.
- Follow the corresponding instructions for use of all aids used.

5.3 Preparing and completing reprocessing

Before reprocessing

1. Switch off the ATMOS LS 31 LED prior to cleaning and disinfection.
2. Disassemble the product for reprocessing into the following components:
   - ATMOS LS 31 LED control unit
   - Accessories
   - Fiber optic light cable

☞ Clean and disinfect the fiber optic light cable according to the manufacturer's instructions of use.

- Storz adapter

After reprocessing

1. Perform a function check before each use.

5.4 Reprocessing surfaces

5.4.1 Overview

Surface	After each application	Daily	Weekly	Every 14 days	Monthly	Pre-cleaning	Wipe cleaning	Wipe disinfection	Comments
ATMOS LS 31 LED housing		X					X	X	Daily reprocessing or immediately in the event of visible contamination.

5.4.2 Selecting surface disinfectants

NOTICE

Unsuitable cleaning agents and disinfectants

The product may become damaged.

Do not use any:

- disinfectants containing organic or inorganic acids or bases, as these may cause corrosion damage.
- disinfectants containing chloramines or phenol derivatives, as these may cause stress cracks in the plastic materials used.
- alcohol-based disinfectants.

Follow the instructions for use provided by the manufacturers of the disinfectants. Pay particular attention to the information on the concentration and material compatibility.

Disinfectant	Ingredients	Type
Green&Clean SK Metasys, Rum (Austria)	<1 g dialkyldimethylammonium chloride <1 g alkyl dimethylethylbenzylammonium chloride <1 g alkyl dimethylbenzylammonium chloride	Foam, ready to use
Dismozon® plus Bode Chemie, Hamburg	95.8 g magnesium monoperoxyphthalate hexahydrate	Granulate

☞ Using disinfectants containing aldehyde and amine on the same object can cause discoloration.

5.5 Procedure

Warning ⚠ WARNING	**Danger to users, patients, and third parties** • Only trained qualified personnel may perform cleaning and disinfection. • Always wear suitable personal protective equipment (e.g., protective gloves, protective clothing, and safety goggles) during reprocessing to protect yourself from contamination. • Check the product for visible damage before each reprocessing cycle. Do not continue to use damaged devices.
⚠ WARNING	**Prevent damage to the device** • Follow the manufacturers' instructions for cleaning agents and disinfectants regarding material compatibility, concentration, and contact time. Unsuitable agents can damage the product or impair the effectiveness of reprocessing. • Ensure complete wetting of all surfaces during disinfection. Incomplete wetting may result in insufficient reduction of germs. • Do not clean the ATMOS LS 31 LED in an ultrasonic bath. • The product is not autoclavable. • Do not use the product until it is completely dry.
Preparation before cleaning	1. Switch off the device. 2. Disassemble the product for reprocessing into the following components: • ATMOS LS 31 LED device • Accessories • Storz adapter • Fiber optic light cable: Clean and disinfect the fiber optic light cable in accordance with the manufacturer's instructions for use.

Manual cleaning	1. Wipe the surfaces of the device evenly with a damp (never wet), clean, lint-free cloth moistened with a cleaning agent. ☞ Pay particular attention to cleaning the color temperature controller and the on/off switch. ☞ Do not clean device openings to prevent liquid from entering the device interior. 2. If visible contamination remains, repeat the cleaning process to avoid impairing the effectiveness of disinfection.
Manual disinfection	1. Wipe all surfaces of the device evenly with a damp (not wet), clean, lint-free cloth moistened with a recommended surface disinfectant. ☞ Ensure complete wetting, particularly of the color temperature controller and the on/off switch, to achieve effective disinfection. ☞ Do not clean device openings to prevent liquid from entering the device interior. 2. Allow the disinfectant to act for the full contact time.
Drying	Allow the device to dry completely before putting it back into service.
Maintenance, checks, and inspection	1. Verify that reprocessing was successful by performing a visual inspection. 2. If reprocessing was not successful, reprocess the device again. 3. Attach the fiber optic light cable to the device and perform a function check; see section “6.2 Function check” on page 17.

6 Maintenance and service

Maintenance, repairs, and periodic tests may be carried out only by persons who have the appropriate technical knowledge and are familiar with the product. The person must possess the test devices and original spare parts required to carry out these measures.

ATMOS recommends: work should be carried out by an authorized ATMOS service partner. This ensures that repairs and testing are carried out professionally, original spare parts are used, and warranty claims remain unaffected.

6.1 Periodic tests

Comply with country-specific requirements regarding regular testing, in particular electrical safety testing.

ATMOS recommends a test every 24 months.

6.2 Function check

Perform a function check before each use.

Do not operate the device if you notice any damage. In this case, clean and disinfect the device and send it to ATMOS for repair.

1. Check whether the device, the power cable, or connected parts are damaged.
2. Check whether the adapter is connected properly.
3. Connect a fiber optic light cable or check whether the fiber optic light cable is connected properly.
4. Aim the fiber optic light cable at a white surface.
5. Press the On/Off switch to switch on the device.

» The light source is lit.

6. Turn the Color temperature controller and check whether the light changes accordingly.

6.3 Replacing the fuses

1. Switch off the device.
2. Remove the power cable from the device.
3. Remove the fuse holder from the mains connection.
4. Replace both fuses.
5. Secure the fuse holder.
6. Connect the device to the mains supply.

6.4 Sending in the device

1. Clean and disinfect the product and accessories according to the Instructions for Use.
2. Enclose any used accessories with the product.
3. Fill in the form QD 434 “Delivery complaint / return shipment” and the corresponding **Decontamination certificate**.

☞ This form is enclosed with the product and can be found at www.atmosmed.com.

4. Pack the product in suitable packaging with adequate padding.
5. Place the form QD 434 “Delivery complaint / return shipment” and the corresponding **Decontamination certificate** in an envelope.
6. Affix the envelope to the outside of the package.
7. Send the product to ATMOS or to your dealer.

7 Troubleshooting

The ATMOS LS 31 LED has been subjected to a thorough quality inspection at the factory. However, should a fault occur, you may be able to remedy it yourself.

Light source

Error symptom	Possible cause	Remedy
No light.	Device is not switched on.	1. Switch on the device.
	Device is not connected to the power supply.	1. Connect the device. 2. Check that all connections are properly seated.
	Defective power cable.	1. Replace the power cable.
	Defective fuse.	1. Replace the fuses.
Insufficient light.	Adapter is not properly secured.	1. Check that the adapter is properly seated.
	Adapter is not suitable for the fiber optic light cable.	1. Use an adapter that is suitable for the fiber optic light cable.
	Fiber optic light cable is defective.	1. Replace the fiber optic light cable.
The colors are unnatural.	Color temperature is not set correctly.	1. Adjust the color temperature. 2. If a camera is connected, perform a white balance adjustment.

Stroboscopy

Error symptom	Possible cause	Remedy
Stroboscopy does not work.	Trigger cable is not connected properly.	1. Check the trigger cable. ☞ Note the different trigger cables; see chapter “3.3 Connecting the device” on page 10.

8 Accessories

Accessories	REF
LED Light Cube Adapter ATMOS/Storz	530.6100.0
LED Light Cube Adapter Olympus	530.6101.0
LED Light Cube Adapter Pentax	530.6102.0
LED Light Cube Adapter Wolf	530.6103.0
High-perf. light guide cable, Ø 4.8 mm, L = 1.8 m	950.0152.0
Light guide cable, Ø 3.5 mm, L = 1.7 m	508.0663.0
Light guide cable, Ø 3.5 mm, L = 1.8 m, 90° angled	508.0664.0

9 Disposal

Packaging

1. Recycle the device packaging.

ATMOS LS 31 LED

Do not dispose of the device with household waste.

The ATMOS LS 31 LED does not contain any hazardous goods.

1. Clean and disinfect the device.
2. In Germany: send in the device to ATMOS or your specialized dealer. They will dispose of the device professionally.
3. In other countries: dispose of the device professionally and in accordance with country-specific laws and regulations.



In Germany, the device is excluded from the Electrical and Electronic Equipment Act (ElektroG) in accordance with the National Register for waste electric equipment because it may be contaminated. Do not dispose of the device with electronic waste.

The housing is fully recyclable. Observe the country-specific laws and regulations.

9.1 Expected service life

When used according to the Instructions for Use, the ATMOS LS 31 LED has an expected service life of 5 years. This assumes regular, thorough cleaning and disinfection of the device and its applied parts, as well as operation in accordance with the Instructions for Use.

10 Technical Data

Mains voltage	100-240 V~, 50/60 Hz
Power consumption	55 VA
Other power sources	n/a
Fuses	2x T 2.0 A/H 250 V
Power supply cord	2 m length, wire cross-section 1.0 mm^2
Light intensity	min. 150 klx (in 5 cm distance of a 4.7 mm high-performance light guide)
Colour temperature	Adjustable 5500 K to 6500 K
Flash frequency	70 to 1000 Hz flash light and continuous light
Duty cycle	max. 20%
Power cycle	Continuous operation with continuous light and flash light
Cooling	Fanless
Protective earth conductor resistance	max. 0.1 Ω
Earth leakage current	max. 5 mA
Touch current	max. 0.1 mA
Patient leakage current	max. 0.1 mA
Environmental conditions: Transport/ storage • Temperature range • Air humidity without condensation • Air pressure	 −20...+80 °C 30...95% 500...1060 hPa
Environmental conditions: Operation • Temperature range • Air humidity without condensation • Air pressure	 +10...+35 °C 30...95% 700...1060 hPa
Maximum operating altitude	≤ 3000 m
Heat release	max. 35 Joule/s
Noise level	Continuous light, soundless, flash light @ max. power / 1000 Hz: < 35 dBA
Overvoltage category	II
Dimensions H x W x D	117 x 138 x 290 mm
Weight	5.0 kg
Periodic tests	Repeat test of the electrical safety every 24 months. Recommended: Inspection according to the manufacturer's specifications.
Protection class (EN 60601-1)	I
Degree of protection	Applied parts type BF
Type of protection	IPX0
CE marking	CE
Reference number (REF)	507.4800.0 ATMOS LS 31 LED

11 Notes on EMC

☞ Medical electrical equipment is subject to special precautions regarding EMC and must be installed in accordance with the EMC instructions provided below.

Guidance and manufacturer's declaration – ambient conditions

The ATMOS LS 31 LED is suitable for use in the following environments:

- In home healthcare environments in any buildings, outdoor areas, and means of transport.
- In professional healthcare facilities such as medical practices, hospitals/clinics, first-aid facilities, and operating rooms.

It is not suitable for use in the vicinity of HF surgical devices and in settings outside of an HF-shielded room of a magnetic resonance imaging system.

The customer or user of the ATMOS LS 31 LED must ensure that the device is used in a prescribed environment.

Guidance and manufacturer's declaration – essential performance

☞ Refer to the Technical Data in these Instructions for Use. The essential performance is fully maintained even in the presence of electromagnetic disturbances.

Guidance and manufacturer's declaration – electrical components

The ATMOS LS 31 LED has the following electrical components:

Type	REF	Max. cable length
ATMOS LS 31 LED trigger cable (Strobo up to 09/16)	507.4837.0	0.85 m
ATMOS LS 31 LED trigger cable	507.4838.0	1 m

Guidance and manufacturer's declaration – warnings

⚠ WARNING

The use of electrical components and accessories other than those specified or provided by the manufacturer may cause increased electromagnetic interference or reduced immunity to electromagnetic interference and result in faulty operation of the device.

⚠ WARNING

Portable RF communications equipment (e.g., radios, antenna cables) should be used no closer than 30 cm* to any part of the ATMOS LS 31 LED including cables specified by the manufacturer. Failure to comply may result in degradation of the essential performance of the device.

☞ * The distance may be reduced at higher immunity test levels.

⚠ WARNING

Avoid placing the device on top of or next to another device. This could result in faulty operation. If such placement cannot be avoided, the device must be monitored regularly for proper functioning. If possible, switch off any nearby devices that are not in use.

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