8” SafeLED Omnidirectional Inset Light
(SL-HF-I; SL-HT-I), Final Approach and Take Off area, Touchdown and Lift Off area, Aiming Point

User Manual

UM-0096, Rev. 2.1, 2019/05/28

ADB SAFEGATE

A.0 Disclaimer / Standard Warranty

CE certification

The equipment listed as CE certified means that the product complies with the essential requirements concerning safety and hygiene. The directives that have been taken into consideration in the design are available on written request to ADB SAFEGATE.

ETL certification

The equipment listed as ETL certified means that the product complies with the essential requirements concerning safety and FAA Airfield regulations. The directives that have been taken into consideration in the design are available on written request to ADB SAFEGATE.

LED Product Guarantee

Where applicable, per FAA EB67 (applicable edition), ADB SAFEGATE L858(L) Airfield Guidance Signs are warranted against electrical defects in design or manufacture of the LED or LED specific circuitry for a period of 4 years. ADB SAFEGATE LED light fixtures (with the exception of obstruction lighting) are warranted against mechanical and physical defects in design or manufacture for a period of 12 months from date of installation; and are warranted against electrical defects in design or manufacture of the LED or LED specific circuitry for a period of 4 years per FAA EB67 (applicable edition).

Note

See your sales order contract for a complete warranty description. In some specific cases, deviations are (to be) accepted in the contract, which will supersede the standard warranty.

Standard Product Guarantee

Products of ADB SAFEGATE manufacture are guaranteed against mechanical, electrical, and physical defects (excluding lamps) which may occur during proper and normal use for a period of one year from the date of installation or 2 years from date of shipment and are guaranteed to be merchantable and fit for the ordinary purposes for which such products are made. ADB SAFEGATE L858 Airfield Guidance Signs are warranted against mechanical and physical defects in design or manufacture for a period of 2 years from date of installation per FAA AC 150/5345-44 (applicable edition).

Note

See your sales order contract for a complete warranty description.

All Products Guarantee

LED Products of ADB SAFEGATE, manufactured and sold by ADB SAFEGATE or its licensed representatives, meets the corresponding requirements of FAA, ICAO and IEC.

ADB SAFEGATE will correct by repair or replacement per the applicable guarantee above, at its option, equipment or parts which fail because of mechanical, electrical or physical defects, provided that the goods have been properly handled and stored prior to installation, properly installed and properly operated after installation, and provided further that Buyer gives ADB SAFEGATE written notice of such defects after delivery of the goods to Buyer. Refer to the Safety section for more information on Material Handling Precautions and Storage precautions that must be followed.

ADB SAFEGATE reserves the right to examine goods upon which a claim is made. Said goods must be presented in the same condition as when the defect therein was discovered. ADB SAFEGATE furthers reserves the right to require the return of such goods to establish any claim.

ADB SAFEGATE's obligation under this guarantee is limited to making repair or replacement within a reasonable time after receipt of such written notice and does not include any other costs such as the cost of removal of defective part, installation of repaired product, labor or consequential damages of any kind, the exclusive remedy being to require such new parts to be furnished.

ADB SAFEGATE's liability under no circumstances will exceed the contract price of goods claimed to be defective. Any returns under this guarantee are to be on a transportation charges prepaid basis. For products not manufactured by, but sold by ADB SAFEGATE, warranty is limited to that extended by the original manufacturer.

This is ADB SAFEGATE's sole guarantee and warranty with respect to the goods; there are no express warranties or warranties of fitness for any particular purpose or any implied warranties of fitness for any particular purpose or any implied warranties other than those made expressly herein. All such warranties being expressly disclaimed.

Liability

WARNING
Use of the equipment in ways other than described in the catalogue leaflet and the manual may result in personal injury, death, or property and equipment damage. Use this equipment only as described in the manual.

ADB SAFEGATE cannot be held responsible for injuries or damages resulting from non-standard, unintended uses of its equipment. The equipment is designed and intended only for the purpose described in the manual. Uses not described in the manual are considered unintended uses and may result in serious personal injury, death or property damage.

Unintended uses includes the following actions:

- Making changes to equipment that have not been recommended or described in this manual or using parts that are not genuine ADB SAFEGATE replacement parts or accessories.
- Failing to make sure that auxiliary equipment complies with approval agency requirements, local codes, and all applicable safety standards if not in contradiction with the general rules.
- Using materials or auxiliary equipment that are inappropriate or incompatible with your ADB SAFEGATE equipment.
- Allowing unskilled personnel to perform any task on or with the equipment.

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1.0 Safety

Introduction to Safety

This section contains general safety instructions for installing and using ADB SAFEGATE equipment. Some safety instructions may not apply to the equipment in this manual. Task- and equipment-specific warnings are included in other sections of this manual where appropriate.

1.1 Safety Messages

HAZARD Icons used in the manual

For all HAZARD symbols in use, see the Safety section. All symbols must comply with ISO and ANSI standards.

Carefully read and observe all safety instructions in this manual, which alert you to safety hazards and conditions that may result in personal injury, death or property and equipment damage and are accompanied by the symbol shown below.

	WARNING Failure to observe a warning may result in personal injury, death or equipment damage.
	DANGER - Risk of electrical shock or ARC FLASH Disconnect equipment from line voltage. Failure to observe this warning may result in personal injury, death, or equipment damage. ARC Flash may cause blindness, severe burns or death.
	WARNING - Wear personal protective equipment Failure to observe may result in serious injury.
	WARNING - Do not touch Failure to observe this warning may result in personal injury, death, or equipment damage.
	CAUTION Failure to observe a caution may result in equipment damage.

Qualified Personnel

	Important Information The term **qualified personnel** is defined here as individuals who thoroughly understand the equipment and its safe operation, maintenance and repair. Qualified personnel are physically capable of performing the required tasks, familiar with all relevant safety rules and regulations and have been trained to safely install, operate, maintain and repair the equipment. It is the responsibility of the company operating this equipment to ensure that its personnel meet these requirements. Always use required personal protective equipment (PPE) and follow safe electrical work practice.

1.1.1 Introduction to Safety

CAUTION

Unsafe Equipment Use
This equipment may contain electrostatic devices, hazardous voltages and sharp edges on components

- Read installation instructions in their entirety before starting installation.
- Become familiar with the general safety instructions in this section of the manual before installing, operating, maintaining or repairing this equipment.
- Read and carefully follow the instructions throughout this manual for performing specific tasks and working with specific equipment.
- Make this manual available to personnel installing, operating, maintaining or repairing this equipment.
- Follow all applicable safety procedures required by your company, industry standards and government or other regulatory agencies.
- Install all electrical connections to local code.
- Use only electrical wire of sufficient gauge and insulation to handle the rated current demand. All wiring must meet local codes.
- Route electrical wiring along a protected path. Make sure they will not be damaged by moving equipment.
- Protect components from damage, wear, and harsh environment conditions.
- Allow ample room for maintenance, panel accessibility, and cover removal.
- Protect equipment with safety devices as specified by applicable safety regulations
- If safety devices must be removed for installation, install them immediately after the work is completed and check them for proper functioning prior to returning power to the circuit.

Failure to follow this instruction can result in serious injury or equipment damage

Additional Reference Materials

Important Information

- IEC - International Standards and Conformity Assessment for all electrical, electronic and related technologies.
- IEC 60364 - Electrical Installations in Buildings.
- FAA Advisory: AC 150/5340-26 (current edition), chapter 45, section 4, Maintenance of Airport Visual Aid Facilities.
- Maintenance personnel must refer to the maintenance procedure described in the ICAO Airport Services Manual, Part 9.
- ANSI/NFPA 79, Electrical Standards for Metalworking Machine Tools.
- National and local electrical codes and standards.

1.1.2 Intended Use

CAUTION

Use this equipment as intended by the manufacturer
This equipment is designed to perform a specific function, do not use this equipment for other purposes

- Using this equipment in ways other than described in this manual may result in personal injury, death or property and equipment damage. Use this equipment only as described in this manual.

Failure to follow this instruction can result in serious injury or equipment damage

1.1.3 Material Handling Precautions: Storage

CAUTION

Improper Storage
Store this equipment properly

- If equipment is to be stored prior to installation, it must be protected from the weather and kept free of condensation and dust.

Failure to follow this instruction can result in equipment damage

1.1.4 Operation Safety

CAUTION

Improper Operation
Do Not Operate this equipment other than as specified by the manufacturer

- Only qualified personnel, physically capable of operating the equipment and with no impairments in their judgment or reaction times, should operate this equipment.
- Read all system component manuals before operating this equipment. A thorough understanding of system components and their operation will help you operate the system safely and efficiently.
- Before starting this equipment, check all safety interlocks, fire-detection systems, and protective devices such as panels and covers. Make sure all devices are fully functional. Do not operate the system if these devices are not working properly. Do not deactivate or bypass automatic safety interlocks or locked-out electrical disconnects or pneumatic valves.
- Protect equipment with safety devices as specified by applicable safety regulations.
- If safety devices must be removed for installation, install them immediately after the work is completed and check them for proper functioning.
- Route electrical wiring along a protected path. Make sure they will not be damaged by moving equipment.
- Never operate equipment with a known malfunction.
- Do not attempt to operate or service electrical equipment if standing water is present.
- Use this equipment only in the environments for which it is rated. Do not operate this equipment in humid, flammable, or explosive environments unless it has been rated for safe operation in these environments.
- Never touch exposed electrical connections on equipment while the power is ON.

Failure to follow these instructions can result in equipment damage

1.1.5 Maintenance Safety

DANGER

Electric Shock Hazard
This equipment may contain electrostatic devices

- Do not operate a system that contains malfunctioning components. If a component malfunctions, turn the system OFF immediately.
- Disconnect and lock out electrical power.
- Allow only qualified personnel to make repairs. Repair or replace the malfunctioning component according to instructions provided in its manual.

Failure to follow these instructions can result in death or equipment damage

1.1.6 Material Handling Precautions, ESD

CAUTION

Electrostatic Sensitive Devices
This equipment may contain electrostatic devices

- Protect from electrostatic discharge.
- Electronic modules and components should be touched only when this is unavoidable e.g. soldering, replacement.
- Before touching any component of the cabinet you shall bring your body to the same potential as the cabinet by touching a conductive earthed part of the cabinet.
- Electronic modules or components must not be brought in contact with highly insulating materials such as plastic sheets, synthetic fiber clothing. They must be laid down on conductive surfaces.
- The tip of the soldering iron must be grounded.
- Electronic modules and components must be stored and transported in conductive packing.

Failure to follow this instruction can result in equipment damage

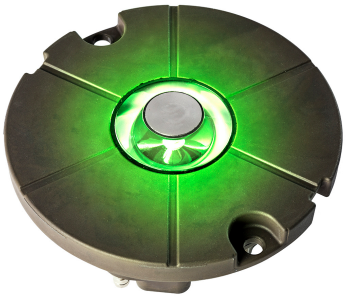
2.0 Introduction

In this section you find a general description and safety instructions related to the installation and usage of the fitting.

SafeLED heliport inset light is an omnidirectional, LED-based light fixture. It is a robust construction designed for harsh weather environments with encapsulated electronics. The housing is IP67 protected. The protrusion above ground is only 9 mm for minimal risk of external mechanical impact. It can be mounted in shallow bases with a total depth of only 100 mm. The SafeLED heliport inset light comes with a cable in order to make the installation easy and safe.

2.1 Airfield Lighting Manual 8'' SafeLED Omnidirectional Inset Light (SL-HF-I / SL-HT-I)

- Final Approach and Take Off area
- Touchdown and Lift Off area
- Aiming Point



2.2 Safety Instructions

Make sure you read this section and are familiar with safety precautions before any work is started.

2.2.1 Product Safety

Airfield lighting fixtures in a constant current circuits are connected in a circuit via isolating transformers with currents between 2.0 – 6.6A in the primary circuits. The primary voltages, depending on the circuitry, are usually several kilovolts and therefore lethal. Although the open circuit voltages of the isolating transformers are much lower, the peak voltage while opening the secondary circuit under current is also hazardous. So it is vitally important to follow all the safety regulations with adequate circumspection.

In the design of this equipment all the practical safety aspects have been taken into account. It is also important to strictly follow existing international or national regulations, the instructions established by civil aviation authority or airport operator and the following instructions.

2.2.2 Electrical Maintenance

Valid safety regulations must always be followed. Never carry out any maintenance or maintenance measures before the current is confirmed as safely disconnected. Use extreme caution when disconnecting or connecting high voltage primary connectors.

Warning

PRIOR TO THE COMMENCEMENT OF WORK ALL ELECTRICAL SERVICES MUST BE ISOLATED FROM THE SUPPLY AND CONNECTED TO EARTH. FULL DETAILS OF THE WORK INVOLVED MUST BE GIVEN TO THE AUTHORISED PERSON RESPONSIBLE FOR THE ELECTRICAL ENGINEERING SERVICES AT THE AIRPORT WITH REGARD TO THE DURATION OF THE WORK AND SO ON. IT IS RECOMMENDED THAT PRIOR TO STARTING ANY CUTTING WORK, THE NATURE AND LOCATION OF SERVICES SUCH AS CABLE DUCTS AND THE LIKE SHOULD BE IDENTIFIED. ANY INSTALLATION OR MAINTENANCE WORK SHOULD ONLY BE CARRIED OUT BY TRAINED AND EXPERIENCED PERSONNEL. ALSO, WHEN WORKING ON CIRCUITS USING AIRFIELD SMART POWER SYSTEM (ASP) THE SCM MUST BE TUNED OFF.

2.2.3 Mechanical Maintenance

When maintaining mechanical components, it is important to follow the instructions for electrical maintenance.

2.3 Description of the fitting

The SafeLED Heliport inset light is an 8" omnidirectional low projection LED light fixture provided with optional green or white LED.

The light fixture is designed for parallel VAC circuits, 230V 50Hz.

2.3.1 Dimension of the fitting and the base

Figure 1: Horizontal

Figure 2: Vertical

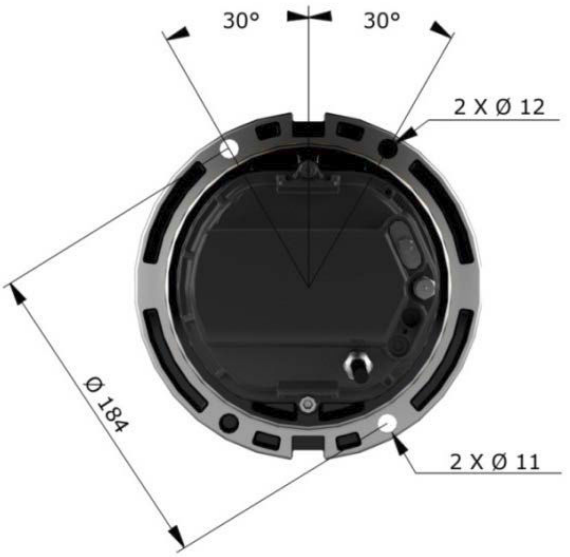
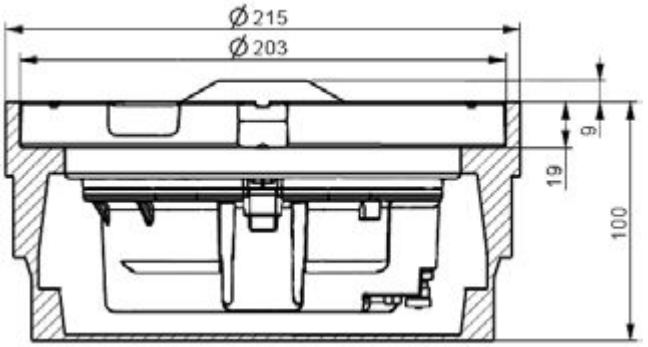


Figure 3: Dimensions for base



2.4 Delivery of the fitting

The fitting comes ready for installation, each unit supplied completely assembled, tested and sealed.

3.0 Installation

In this section you can find a description of the different steps for successful installation of the fitting. Before you start, make sure you have read and understand Safety Instructions.

The SafeLED Heliport fitting can be installed in one of following:

- a 8 inch shallow base, minimum height 100 mm with side or bottom entry for the cable. The fitting is fixed with two M10 lock nuts
- a 12 inch base with side or bottom entry. The fitting shall be installed together with an AFL adapter ring 12”-8” with two M10 studs
- an FAA L-868B deep base using adapter ring

The following tools are recommended for installation and removal of the fitting:

- Box spanner (16 mm)
- Torque wrench (16 mm)
- Two big flat screwdrivers (for removal)
- One brush or cloth

Note

Provided that the receiving base has been properly installed, no other tools are required.

Typically, the installation steps refer to:

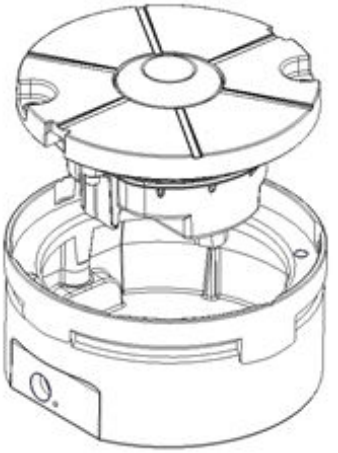
1. Installing/removing the fitting
2. Electrical connections

3.1 Installing/Removing the fitting

Install

1. Open the box and verify that the characteristics of the fitting correspond to your design requirements (type, color etc.).
2. Control the label on the fitting for product information.
3. Carefully clean all contact surfaces on the fitting and the base (and if necessary on the adapter ring).
4. Place the O-ring gasket on the fitting.
5. Check that the fitting corresponds to the actual installation position (color, direction).
6. Connect the fitting connector(s) to the base supply cable(s).
7. Place the connector under the fitting and install on the base.
8. For an installation on bases use a torque limiting box spanner of 16 mm, install and tighten the two M10 lock nuts to a torque of 35 Nm (= 3.5 kg m). For other base manufacturers refer to their specifications.
9. After installation, check that each fitting works properly.

Figure 4: Installation



Remove

Warning

WHEN A FITTING HAS BEEN REMOVED, THE BASE MUST BE FITTED WITH A COVER DESIGN FOR THIS PURPOSE OR WITH A SPARE LIGHT FIXTURE.

1. When removing the fitting, it is recommended to change the lock nuts each time the fitting is dismounted.
2. Remove the fitting from the base using two large flat blade screwdrivers.
3. Disconnect the secondary supply connector.
4. Remove the O-ring gasket. It is recommended to change the gasket each time the fitting is removed from the base.

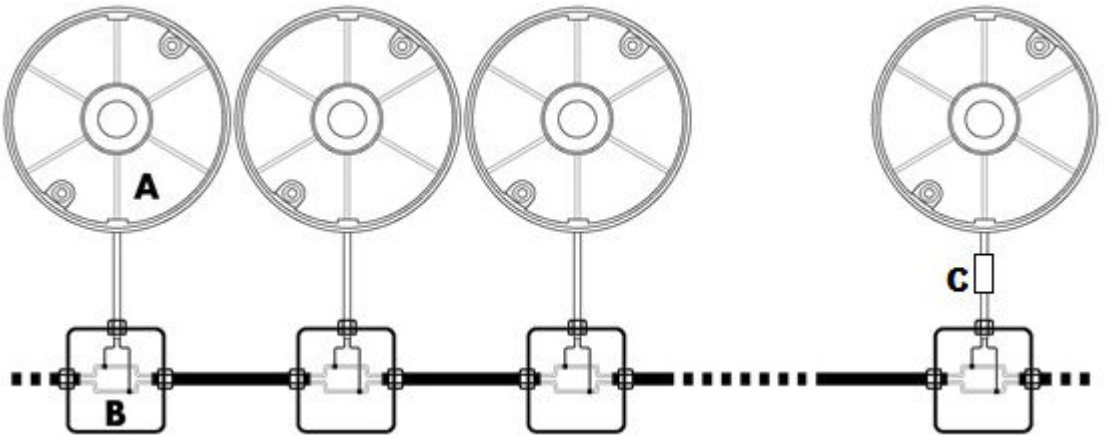
3.2 Electrical connections

The fittings for the heliport are power supplied with 230 Vac, 50Hz.

The design of the electrical circuits can include junction boxes, allowing connection in parallel of the fittings. The drawing below shows an example of connections.

(**A** = Fitting, **B** = Junction Box and **C** = Sealed coupling)

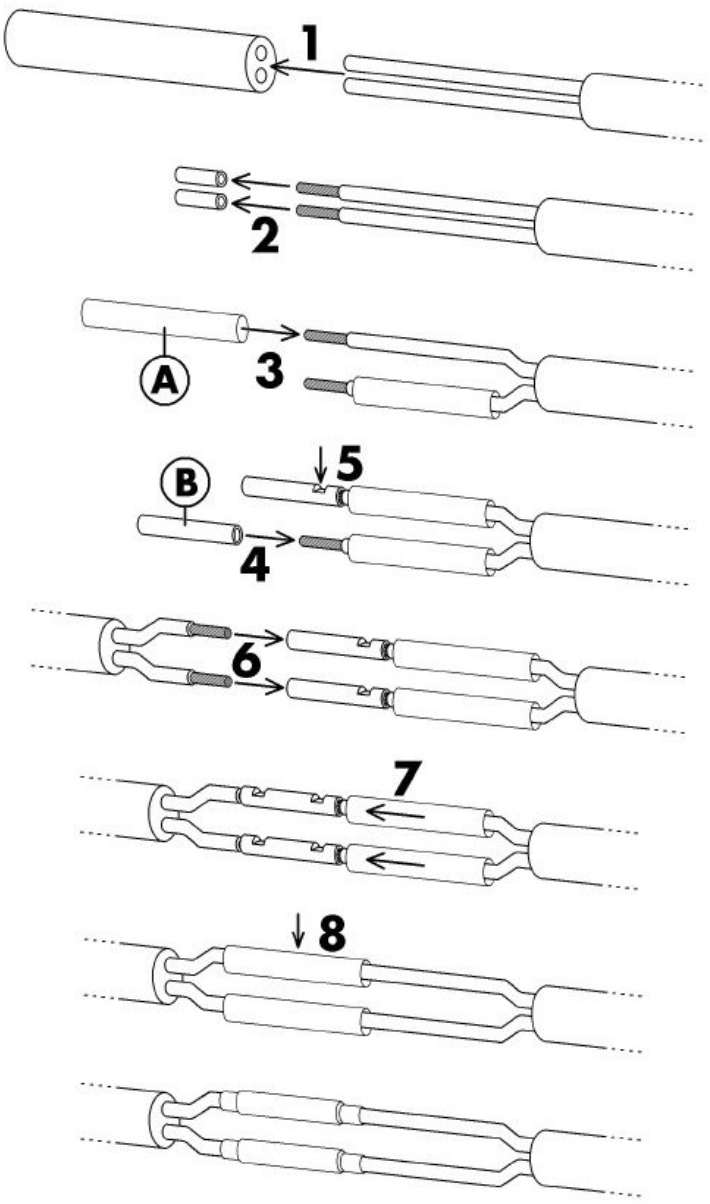
Figure 5: Connections



Depending on the base used, the fitting can be connected in several ways:

- directly to the junction box, with a connection cable (preferred)
- to a cable connected to the junction box, with a sealed coupling. See C in Figure 5.
- to a cable connected to the junction box, with terminals and heat shrinkable sleeves. For this type of electrical connection, follow the general description below:

Figure 6: Terminals and head shrinkable sleeves



1) Unsleeve the end of the two cables.
- Junction box cable on 100 mm
- IN-OMH cable on 40 mm

2) Unsleeve the end of the wires of the two cables on 15 mm.

3) Pass the two pieces of heat shrinkable sleeve (**A**) on the two power supply wires of the junction box cable.

4) Crimp the two terminals (**B**) on the wires of the power supply cable coming from the junction box cable.

5) Crimp the two terminals on the wires of the power supply cable going to the IN-OMH.

6) Place the two pieces of heat shrinkable sleeve around the two terminals.

7) Heat the two pieces of heat shrinkable sleeve to obtain isolated and watertight connections.

3.2.1 Cable grounding

For safety reasons the fitting shall be grounded with the protective earth (PE) ground wire (green/yellow wire). It is recommended to use a separate fuse and a residual current device on the circuit. For calculation of the fuse size, calculate with the given power consumption for used fitting. The mains cable is a standard 3x1.0 mm^2 cable and has a length of 1 m.

4.0 Introduction

In this section you find a general description and safety instructions related to the installation and usage of the fitting.

SafeLED heliport inset light is an omnidirectional, LED-based light fixture. It is a robust construction designed for harsh weather environments with encapsulated electronics. The housing is IP67 protected. The protrusion above ground is only 9 mm for minimal risk of external mechanical impact. It can be mounted in shallow bases with a total depth of only 100 mm. The SafeLED heliport inset light comes with a cable in order to make the installation easy and safe.

5.0 Maintenance

In this section you can find a description of the different steps for the maintenance of the fitting.

Before you start, make sure you have read and understand §1.1 Safety Instructions.

Find out the location of the light unit that needs maintenance. If the purpose is to replace an existing light unit with new one, make sure that corresponding unit is available.

Warning

WHEN A FITTING HAS BEEN REMOVED FROM ITS BASE, THE BASE MUST BE EITHER FITTED WITH A COVER OR A RESERVE FITTING PUT IN ITS PLACE.
IT IS RECOMMENDED THAT ONLY AUTHORIZED PERSONNEL DISASSEMBLE FITTINGS WITH PRIOR AGREEMENT FROM SAFEGATE.

The following tools and accessories are required for maintenance actions:

- One angled socket spanner of 16 mm
- One Torque limiting spanner with 16 mm and 5 mm adapters
- One Allen key of 5 mm
- Two large flat blade screwdrivers (for removal of the fitting from its base)
- Silicone grease (for housing screws)
- One angled socket spanner of 12 mm (for the valve)
- Sealing compound (for the valve)
- One brush or cloth (general cleaning)
- A compressor (or a manual car tyre pump) equipped with a manometer (for the water tightness test)

5.1 Basic Maintenance Program

There are recommended maintenance tasks to ensure that the equipment is in correct operating condition.

Maintenance tasks	
Weekly	• Visual inspection of the fitting. • Removal of dust from external surfaces of the fitting.
Monthly	• Check of the optical window, check for mechanical damage. • Check for proper fixing of the fitting in its base.
Yearly	• Detailed inspection of the fitting. • Check of the body resistance, check for mechanical damage (for example cracks around prism windows). • Clean of the optical windows.

Note

The basic maintenance program is intended for fittings at a standard Heliport site in normal operating conditions.

It is recommended to verify that the fitting is water tight, after disassembly/assembly, before installation in the field (see Disassembling/ Assembling the fitting).

A daily function check is referred to in the document:

ICAO, Airport Services Manual Part 9, Airport Maintenance Practice and FAA AC 150/5340-26A, Maintenance of airport visual aids facilities.

The light is designed for outdoor operation, however storing the light outside without using it is a risk for damage to light components. For a longer storage time (more than a week), it is recommended to store the light indoors in a dry and dust free environment and at room temperature. Proper storage ensures trouble free replacement procedures. It is strongly recommended not to store any electrical equipment outside.

5.2 Workshop Maintenance

It is important to always make sure that the fitting is depressurized before disassembly for maintenance work.

Before you start, make sure you have read and understand Safety Instructions.

Note

Only the most common maintenance procedures are instructed in following paragraphs. Construction of the luminaire allows a full disassembling and replacement of all the parts if required.

The workshop maintenance refers to following actions:

1. Disassembling/ assembling the fitting
2. Replacing a LED assembly with holder
3. Replacing the prism and its gasket

5.2.1 Disassembling/Assembling the fitting

Disassemble

1. Release the two housing screws using a 5 mm Allen key.
2. Lift up the bottom cover and disconnect the LED-board cable.
3. Remove the O-ring gasket from the bottom cover.

Figure 7: Disassembly

Assemble

Carefully clean all contact surfaces of the fitting and the cover.

1. Place a new O-ring gasket in the track in the bottom cover.

> **Note**
> The O-ring gasket must be changed each time the fitting is opened

2. Connect the LED-board to the converter.
3. Put the bottom cover back in place and tighten the two screws using a torque limiting spanner with a torque of 8 N m (equivalent to 0.8 kg m or 8 g cm).

Water tightness check

It is recommended to verify that the fitting is water tight:

1. Remove the water tightness test valve cap.
2. Fill up the fitting with compressed air (test pressure = 140 kPa or 20 psi).
3. Put the fitting in water, wait 3 minutes and check if air bubbles leave the fitting.

   If that is the case, the fitting is not water tight. Disassemble the fitting once again to check/clean all contact surfaces and check gaskets. Replace if necessary.

5.2.2 Replacing a LED assembly with holder

Remove

1. Disassemble the fitting (see Disassembling/Assembling the fitting).
2. Using a 5 mm Allen key, unscrew and remove the fixing screws of the prism holder.
3. Remove the LED assembly.

Figure 8: LED

Replace

1. Connect cable from the converter to the LED-board
2. Place a new LED assembly on the fitting.
3. Fasten the LED holder assembly using the 6 M6x20 mm fixing screws with a torque limiting spanner with a torque of 6,5 N m, (see Figure 10 – Fixing screw order).
4. Assemble the fitting (see Disassembling/Assembling the fitting).

Figure 9: Fixing screw order

5.2.3 Replacing the prism and its gasket

Remove

1. Disassemble the fitting (see Disassembling/Assembling the fitting).
2. Using a 5 mm Allen key, release and remove the 6 fixing screws of the LED assembly.
3. Remove the LED assembly and protection washer.
4. From outside the fitting body, push out the prism.
5. Remove the prism and gasket from the fitting body.
6. Clean the contact surfaces of the window on the fitting body.

Figure 10: Prism

Replace

1. Mount the new gasket in the fitting body.

> **Note**
> It is recommended to change the gasket each time a prism is removed

2. Insert the prism in the gasket in the fitting body window.
3. Install the plastic washer and LED holder assembly.
4. Install and tighten the prism holder and LED assembly screws.
5. Assemble the fitting (see Disassembling/Assembling the fitting).

6.0 Spare Parts

Spare parts are available for Heliport Lighting fittings. For more information and assistance with ordering spare parts, contact ADB SAFEGATE, www.adbsafegate.com.

7.0 SUPPORT

Our experienced engineers are available for support and service at all times, 24 hour/7 days a week. They are part of a dynamic organization making sure the entire ADB SAFEGATE is committed to minimal disturbance for airport operations.

Table 1: ADB SAFEGATE Support

Live Technical Support - Americas
If at any time you have a question or concern about your product, just contact ADB SAFEGATE's technical service department. Trained in all areas of system issues, troubleshooting, quality control and technical assistance, our highly experienced Technical support specialists are available 24 hours a day, seven days a week to provide assistance over the phone.
ADB SAFEGATE Americas Technical Service & Support (US & Canada): +1-800-545-4157
ADB SAFEGATE Americas Technical Service & Support (International): +1-614-861-1304
During regular business hours, you can also Chat with a Service Technician. We look forward to working with you!
Before You Call
When you have an airfield lighting or system control system problem it is our goal to support airfield maintenance staff as quickly as possible. To support this effort we ask that you have the following information ready before calling.

- The airport code
- If not with an airport, then company name (prefer customer id number)
- Contact phone number and email address
- Product with part number preferable or product number
- Have you reviewed the product's manual and troubleshooting guide
- Do you have a True RMS meter available (and any other necessary tools)
- Be located with the product ready to troubleshoot

Note
For more information, see www.adbsafegate.com, or contact ADB SAFEGATE Support via email at support@adbsafegate.com or
Brussels: +32 2 722 17 11
Rest of Europe: +46 (0) 40 699 17 40
Americas: +1 614 861 1304. Press 3 for technical service or press 4 for sales support.
China: +86 (10) 8476 0106

7.1 ADB SAFEGATE website

The ADB SAFEGATE website, www.adbsafegate.com, offers information regarding our airport solutions, products, company, news, links, downloads, references, contacts and more.

7.2 Recycling

7.2.1 Local authority recycling

The disposal of ADB SAFEGATE products is to be made at an applicable collection point for the recycling of electrical and electronic equipment. The correct disposal of equipment prevents any potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling. The recycling of materials helps to conserve natural resources. For more detailed information about recycling of products, contact your local authority city office.

7.2.2 ADB SAFEGATE recycling

ADB SAFEGATE is fully committed to environmentally-conscious manufacturing with strict monitoring of our own processes as well as supplier components and sub-contractor operations. ADB SAFEGATE offers a recycling program for our products to all customers worldwide, whether or not the products were sold within the EU.

ADB SAFEGATE products and/or specific electrical and electronic component parts which are fully removed/separated from any customer equipment and returned will be accepted for our recycling program.

All items returned must be clearly labelled as follows:

- **For ROHS/WEEE Recycling**
- Sender contact information (Name, Business Address, Phone number).
- Main Unit Serial Number.

ADB SAFEGATE will continue to monitor and update according for any future requirements for EU directives as and when EU member states implement new regulations and or amendments. It is our aim to maintain our compliance plan and assist our customers.

Powering Your Airport Performance from Approach to Departure

adbsafegate.com