INTRODUCTION
Lights in the AIM Series are designed to give the professional health care market superior performance, reliability and value. The lights contain advanced optical and mechanical solutions intended to offering you an optimal working environment for efficient and comfortable procedures, while assisting in enhancing performance.

Built-in features of the AIM lights include intensity, color correction, shadow reduction, light distribution, spot appearance, maneuverability, and focus. The AIM’s solid and durable construction ensures many years of trouble-free professional lighting.

Intended Use
The AIM LED Procedure Light is designed to provide the required illumination for surgeries, procedures, and examinations of patients. The AIM LED Procedure Light is to be used with various mounting configurations in operating rooms, examination rooms, emergency rooms and all other health care facilities where the need for additional illumination exists.

Effective working distance between patient and light head is from 24-39". A removable and autoclavable handle (which also serves as bulb-focus control) accepts pre-sterilized covers.

Modular Services Company recommends using qualified personnel for mechanical/electrical installation. Failure to use qualified personnel may invalidate the warranty of the product due to improper installation.

UNPACKING AND INSPECTION
Carefully unpack the cartons and match the parts received with the parts list enclosed.

Before Reporting Shortages:
• Be sure you have received the correct number of boxes, cartons, etc., as shown on the bill of lading.
• Check the entire shipment against the enclosed packing slip.
• Items indicated in the column headed “Back Order” are not included in the shipment and will follow later.
• Be sure that nothing has been removed from the cartons before they are checked by the individual in charge.
• Empty all boxes completely, open all inside containers, and examine all packing material to ensure small articles are not overlooked.

If a Shortage or Damage Occurs:
1. You, the receiver, are responsible for filing any claim(s) with the delivering carrier within five (5) days after receipt of the shipment.
2. If damage or shortage occurs in transit, the delivering carrier is required by law to make notation of a shortage or damage. This notation is to be made on the bill of lading.
3. If, in your opinion, there may be concealed damage, an agent from the delivering carrier is obligated to make an inspection after the goods are unpacked.
4. Do not destroy packing material until after the agent has made out his report.
5. All claims must be made to the carrier, not Modular Services Company.
6. Written authorization must be obtained from Modular Services Company before merchandise can be returned.
Tools List
- Drill
- Hacksaw
- 7/16" open-end wrench
- Wire cutter/stripper
- Allen wrench (3/32 in / 2,4 mm)
- Screwdriver, small flat-blade
- Wire nuts and wiring for supply connections

Parts List
The AIM LED Procedure Lights come equipped with several parts, pieces of hardware, and manuals. Ensure your boxes contain all the parts as listed below:

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Arm with Covers</td>
<td>1</td>
</tr>
<tr>
<td>Assembly Instructions Manual</td>
<td>1</td>
</tr>
<tr>
<td>Operating Manual</td>
<td>1</td>
</tr>
<tr>
<td>4mm Allen Wrench</td>
<td>1</td>
</tr>
<tr>
<td>5mm Allen Wrench</td>
<td>1</td>
</tr>
<tr>
<td>Locking Wrench</td>
<td>1</td>
</tr>
</tbody>
</table>

NOTE: The 4mm and 5mm Allen wrenches are used for operations and maintenance. In addition to the parts above, you should receive:

<table>
<thead>
<tr>
<th>Part</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extension Arm with covers</td>
<td>1</td>
</tr>
<tr>
<td>Ceiling Mount with Cover</td>
<td>1</td>
</tr>
<tr>
<td>Safety Washer</td>
<td>1</td>
</tr>
<tr>
<td>Retaining Ring Washer</td>
<td>1</td>
</tr>
<tr>
<td>Retaining Ring</td>
<td>2</td>
</tr>
<tr>
<td>Slip Ring Screws</td>
<td>2</td>
</tr>
</tbody>
</table>

If you are missing any items, please contact Modular Services Company. See last page of manual for contact information.
SAFETY INSTRUCTIONS

Please note that assembly of this product must be carried out by a trained service technician. At some points of assembly you may require the assistance of an additional person.

- Please make sure to follow these instructions when assembling. **DO NOT** modify any parts before, during, or after assembly.
- If problems are encountered when assembling, please contact Modular Services Company. The contact information can be found on the last page of this manual.

**CAUTION:** Failure to properly follow installation and preventive maintenance instructions may result in mechanical failure.

**WARNING:** Before undertaking any work, ensure that the main power is off and secured from accidentally being switched on again.

**NOTE:** This light should only be installed by a qualified electrical contractor.

STRATUS® MOUNT INSTALLATION

The mounting plate for the light must be installed during the Stratus® installation. Leave mounting plate bolts loose until after down tube is installed. Once all hardware is attached, tighten bolts. *See Stratus® II Installation Manual, Figure 5.*

**NOTE:** When running hoses, cables and conduit, be sure to separate (Figure 1 below) to avoid pinching and binding during the movement of the arms that could cause damage to the hoses, cables or conduit.

**Figure 1. Top View of Light Mounting Plate**

**Figure 2. Single Ceiling (Stratus® Mount)**
ELECTRICAL CONNECTIONS

Switch wiring (contractor-supplied) must be three-conductor minimum AWG 18 and no more than AWG 14 from the terminal block to the switch. Both neutral and line connections must be wired to meet UL standards. Wiring and conduit must meet local and national fire protection codes.

Connecting Power

The input power (from the wall switch) and the wires out of the down tube should now be connected to the terminal block, which is pre-mounted in the junction box. To connect to the terminal block use the technique shown in Figure 3.

Wiring Diagram

Wire the ceiling light as shown in Figure 3. Only the installation connections are shown.

a. The terminal block is marked with letters and numbers as follows:
   - Lines up out of the down tube (to light fixture)
   - Connect the green ground wire to the green terminal block.
   - Connect the other two wires to terminals marked “1” and “2”.

b. Input Power:
   - Connect the green/yellow ground wire to the green terminal block.
   - Connect the neutral wire (normally white) to the terminal block marked “N”
   - Connect the live wire (normally black) to the terminal block marked “L”

INSTALLING THE DOWN TUBE

NOTE: The down tube is pre-cut and pre-drilled at the factory and will suit most exam rooms with a ceiling height of 8-10 ft.

NOTE: Be certain to slide the trim and locking ring on the down tube before inserting the down tube into the ceiling mount.

Assemble the down tube by sliding it up the center hole in the ceiling mount. Position the tube so that the upper hole (A) in the down tube is matching to the upper hole (B) in the ceiling casting (Figure 4). Slide the provided 1/4” pin through hole and attach cotter pin.

See Figure 5 for an expanded view of the AIM LED Procedure Light assembly into Stratus® arm.
EXTENSION ARM ASSEMBLY

Identification of parts (see Figure 6):

<table>
<thead>
<tr>
<th>Part #</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>Extension Arm Assembly</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>Ceiling Mount</td>
</tr>
<tr>
<td>C</td>
<td>2</td>
<td>Slip Ring Screws</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>Safety Washer</td>
</tr>
<tr>
<td>E</td>
<td>1</td>
<td>Retaining Ring Washer</td>
</tr>
<tr>
<td>F</td>
<td>2</td>
<td>Retaining Rings</td>
</tr>
</tbody>
</table>

Figure 4.

Figure 5.
1. Remove the covers from each end of the extension arm. They will un-clip from each other and the arm. Set the covers aside. Figures 7 through 11 show step by step instructions:

2. Orient the extension arm into the position seen in Figure 12 before beginning any work. The precaution stickers and text should be right side up.

3. Remove the electrical connector on the right by unscrewing the two screws and placing them aside. Slide out the electrical connector from the tube and allow it to hang off to the side. Refer to Figures 13 and 14.

**NOTE:** Plastic covers on extension arm and electrical wire to slipring not shown for clarity.
SPRING ARM ASSEMBLY

Identification of parts (see Figure 15):

<table>
<thead>
<tr>
<th>Part #</th>
<th>Qty.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>Mount/Extension Arm Assembly</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>Spring Arm Assembly</td>
</tr>
<tr>
<td>C</td>
<td>1</td>
<td>Safety Washer</td>
</tr>
<tr>
<td>D</td>
<td>1</td>
<td>Retaining Ring Washer</td>
</tr>
<tr>
<td>E</td>
<td>2</td>
<td>Retaining Rings</td>
</tr>
<tr>
<td>F</td>
<td>2</td>
<td>Slip Ring Screws</td>
</tr>
</tbody>
</table>
1. The covers should already be removed from the free end of the extension arm.

2. Remove the right hand electrical connector by unscrewing the two screws and placing them aside. Slide out the electrical connector from the tube and allow it to hang off to the side (Figures 16 and 17).

3. Slide the spring arm assembly up into the end of the extension arm (Figure 18).

4. Install the safety washer with the notch facing into the hole, followed by sliding down the retaining ring washer, and finally snap the two retaining rings into the groove (Figures 19 and 20).

**CAUTION:** Always ensure the safety washer is properly inserted to avoid a potential safety hazard. The safety washer acts as a secondary safety support in case both retaining rings fail.
5. The spring arm is now correctly mounted to the extension arm.

6. Re-position the electrical connector down into the extension arm and secure it into place using the two screws set aside.

7. Reinstall the covers by reversing the instructions followed for cover removal above. Gently snap the two pieces together and check the parting line to ensure proper fit with no gaps.

**WARNING:** The spring arm, when pressed downwards, can jump up and cause injuries. During the installation of the light head, no one should be present within swiveling range of the spring arm.

**MOUNTING THE LIGHT HEAD TO THE SPRING ARM (Figure 21)**

**WARNING:** The spring arm, when pressed downwards, can jump up and cause injuries. During the installation of the light head, no one should be present within swiveling range of the spring arm.

**ELECTRIC SHOCK HAZARD:** Do not have the power connected while mounting the light head. Make sure the mains plug is not connected.

**NOTE:** It is best to have two people assembling this product.

1. Unite the connectors (A). Then push the joined connectors partially into the yoke head (B). Do not bend or twist.

2. Make sure the plastic bearing (C) is sitting on the yoke (B).

3. Push the yoke into the spring arm

4. Put the key (D) completely into the slot, so that the key is engaging in the yoke groove (E).

5. Rotate the collar 180°.

6. Tighten the brake screw (F) until the yoke has the desired friction.

7. Check the secure seating of the yoke by pulling and turning it.
CLEANING

**ELECTRIC SHOCK HAZARD:** For all cleaning work, power off the equipment and secure it from being switched on again. Ensure that no cleaning fluid runs into the equipment.

**NOTE:** Apart from mild detergents and isopropyl alcohol, no other cleaning agents or chemicals should be used on the product.

A soft cloth dampened with a mild detergent solution may be used for basic cleaning of all surfaces on the AIM luminaries. In some cases, a soft cloth soaked in isopropyl alcohol may be used for stubborn stains.

For more thorough cleaning of the light head, the top housing should be removed. This is done by first removing the pods to get access to the three screws holding the top and bottom housing together. Remove the screws that have now become visible under the pod and lift the top housing off.

Use a soft cloth to wipe the corners and surfaces hidden when the parts are assembled. Be careful not to bend any components inside the light head. Damaging parts may affect the operation and light output.
WARRANTY

Modular Services Company warrants that all equipment assemblies shall be free from defects in material and workmanship for a period of 12 months from date of the owner’s acceptance to the installing contractor or the date the equipment is put into service, whichever comes first. Warranty excludes electric lamps and/or any material not furnished by Modular Services. Warranty does not cover damage due to improper installation and/or abuse.

It is the responsibility of the customer to report any noted product deficiencies to Modular Services immediately upon discovery. It is the responsibility of Modular Services to expediently resolve the discrepancy. Any modification made to the product without the written authorization from Modular Services will void this warranty.

Also, in the event product modifications or repairs are made without the written consent of Modular Services, Modular Services shall not be held liable for any cost associated with the modification or repair.

There are no warranties of fitness which extend beyond the description on the face hereof.