


## GS 900 Procedure Light


### Wall and Ceiling


### Installation Instructions


Manual part no. 715401 Ver B.


#### Warnings and cautions

 **WARNING:** This product should only be installed by a technical expert (electrical engineer, technician) or a comparably qualified person.

 **WARNING:** The mains electrical connection may only be made by a suitably qualified person.

 **WARNING:** Read and understand these instructions prior to use of this product. Failure to understand the operating requirements for this product may result in injury to yourself, the patient or may damage the instrument.

 **WARNING:** A mains power isolator switch must be installed at the installation site.


 **WARNING:** The static (structural) inspection must be carried out before the installation of the wall or ceiling fastening.

- The strength of the construction must be designed, checked and certified by a structural engineer.
- The respective regional construction regulations that apply must be followed.
- If an erroneous hole is drilled by mistake, e.g. drilling of a reinforcement rod, the structural engineer who is responsible must be contacted, since adequate static load distribution in the ceiling may have been jeopardized.

#### Select a mount

Proper selection and installation of the mount is the responsibility of the installer. Please use the following table to select the proper mount.


**NOTE:** In case of thinly constructed walls, installing the mount with a counter-plate (not shipped) is recommended.

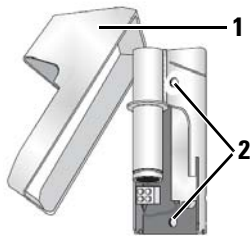
 **WARNING:** The load data of the wall and ceiling models can be taken from the following table. The specified regional safety factors must be taken into account.

Wall mount load data		
Moment	Vertical force of weight	Dowel extraction force
96 Nm	30N	470N

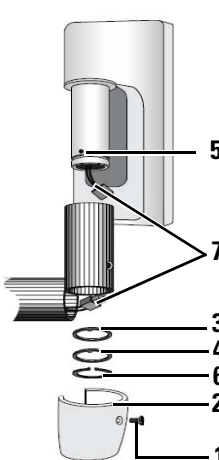
Ceiling mount load data		
Moment	Vertical force of weight	Dowel extraction force
96 Nm	30N	590N


#### Install the wall mount

 **WARNING:** Electrical shock. Before installation, turn off the product, disconnect the power, and ensure that the product cannot be switched on again accidentally.

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1. Remove the two plastic covers (1).
  2. Use the supplied drilling template to make the vertical markings.
  3. Drill two holes.
  4. Align the mount so it is flush with the wall.
  5. Insert the fasteners in the two holes (2) and tighten.
  6. Install the plastic cover and check for secure seating.


#### Install the extending arm

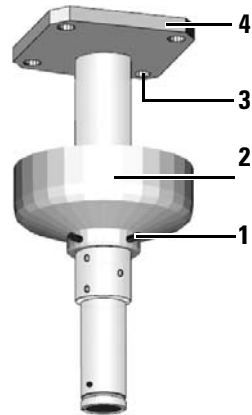
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1. Unscrew the cross-slotted screw (1) and pull the cover (2) forward and up.
  2. Place the extender arm with the spring arm on the pin of the wall bearing.
  3. Install the washer (3)
  4. Insert the slotted cone (4) in the hole (5) and install the retaining ring (6).

 **WARNING:** Operator or patient injury. If the washer and slotted cone are not installed, the retaining ring may loosen, which could lead to equipment falling out of its mounting and causing injury. Always install the washer and slotted cone.


5. Ensure that the retaining ring (6) is firmly seated.
6. Set up the electrical connection (7).
7. Put on the cover (2) and screw it tight with the cross-slotted screw (1).

#### Install the ceiling mount

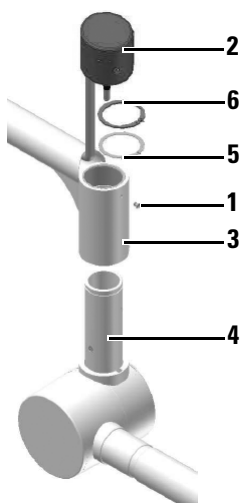

 **WARNING:** Electrical shock. Before installation, turn off the product, disconnect the power, and ensure that the product cannot be switched on again accidentally.

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1. Loosen the three threaded pins (1), and remove the fixture flange (2).
  2. Mark the holes with the drilling template.
  3. Make four holes according to the specifications of the manufacturer of the fasteners.
  4. Insert the fasteners flush with the ceiling.
  5. Insert the fastening agent in the four holes (4) and screw in the ceiling plate (3).
  6. Align the ceiling plate (3) and check for secure seating.
  7. Place the fixture flange (2) and fasten it with the three threaded pins (1).

Spacer tube dimensions		
Room height	Length of spacer tube	Notes
10 ft (3,000 mm)	2.2 ft (668.5 mm)	The spacer tube can be shortened using the accompanying drilling template. For ceilings higher than 10 feet, please see your distributor.

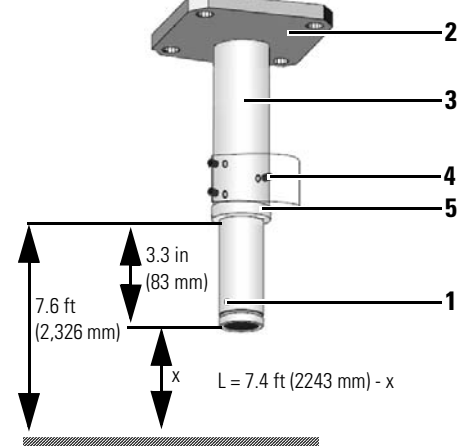
 **WARNING:** The spacer tube can not be cut shorter than 4.3 in (110 mm).

#### Install the spring arm at the extension arm

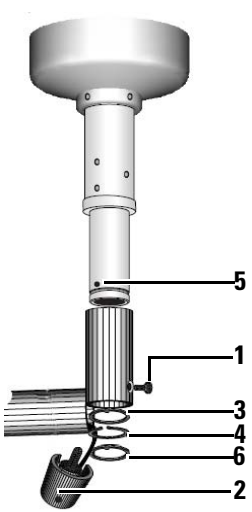


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1. Unscrew the cross-slotted screw (1), pull the cover (2) forward and up.
  2. Place the extension arm (3) on the pin of the spring arm (4).
  3. Install the washer (5).
-  **WARNING:** Operator or patient injury. If the washer and is not installed, the retaining ring may loosen, which could lead to equipment falling out of its mounting and causing injury. Always install the washer.
4. Install the retaining ring (6).
  5. Check for a firm seating of the retaining ring.
  6. Put on the cover (2), and at the same time set up the electrical connection and screw it tight with the cross-slotted screw (1).

#### Shorten the spacer tube

**Note:** The distance from the lower edge of the pin to the floor should be 7.4 feet (2,243 mm). If it is smaller, the optimum clearance height of 6.5 ft (2 m) from the lower edge of the spring arm is smaller.

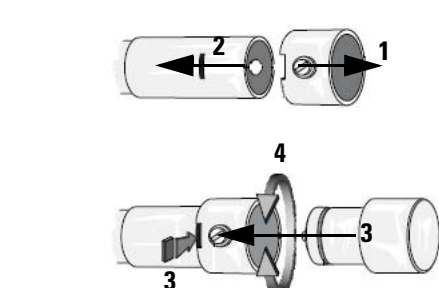


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1. Measure the distance from the lower edge of the pin (1) to the floor.
  2. Unscrew the ceiling plate (2) from the ceiling.
  3. Unclamp the power supply cable and pull it through the spacer tube (3).
  4. Dismantle the pin (1) by unscrewing the three threaded pins (5).
  5. Saw off the spacer tube (3), in a plane-parallel manner, according to the formula, by the length L and de-burr it.
  6. Coil the drilling template at the lower edge of the spacer tube (3), drill three 0.2 in (5 mm) holes and cut a thread of M6 through them.
  7. Put on the accompanying covering ring (5) and re-install the power cord.
  8. Insert the pin (1) in the spacer tube (3) so the pin (1) projects 3.3 in (83 mm). Screw on the pin (1) with the three threaded pins (4).

#### Install the extender arm

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1. Unscrew the cross-slotted screw (1).
  2. Remove the cover (2).
  3. Push the extender arm with the spring arm onto the pin of the spacer tube.
  4. Install the washer (3)
  5. Insert the slotted cone (4) in the hole (5) and install the retaining ring (6).
  6. Ensure that the extender arm with spring arm is seated firmly.
-  **WARNING:** Operator or patient injury. If the washer and slotted cone are not installed, the retaining ring may loosen, which could lead to equipment falling out of its mounting and causing injury. Always install the washer and slotted cone.
-  **WARNING:** Electrical shock hazard. The support system is live if the power cables are damaged at the connector. There is a severe shock hazard with a connection voltage of 100-240 V. Install the connector carefully.
7. Connect and push the connector (2) in the direction of the support and the pipe until the connector locks into position.
  8. Use cross slotted screw (1) to install the connector (2) into position.

#### Install the luminaire

**Note:** The luminaire should not weigh more than 13 lbs (6 kg).

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1. Grab the spring arm at the front end and slowly pull down until it reaches the stop.
  2. Remove the plug and the protective cover from the spring arm opening. Discard the plug.
  3. Push the plastic sleeve on the spring arm far enough to cover the slots.
-  **WARNING:** Operator injury. The spring arm, which is compressed, can jump backward and result in injuries. During the installation of the luminaire, ensure that no one is within swiveling range of the spring arm.
4. Push in the luminaire and the securing segment completely into the slots, ensuring that the securing segment is securely in the groove.
  5. Turn the plastic sleeve 180 degrees and turn the brake screw until the luminaire is completely installed and friction is applied.
  6. Check for a secure seating of the luminaire.
-  **WARNING:** Operator or patient injury. Ensure that you only use the supplied securing element. Never use another part to mount the luminaire.

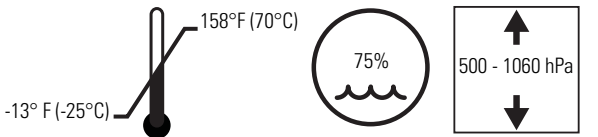
#### Specifications

##### Electrical


Input 100-240 V ~50-60 Hz, 1.25A max

##### Environment

Transport / storage



#### Approvals

 The CE mark on this product indicates that it has been tested and conforms with the provisions noted in the 93/42/EEC Medical Device Directive.

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