

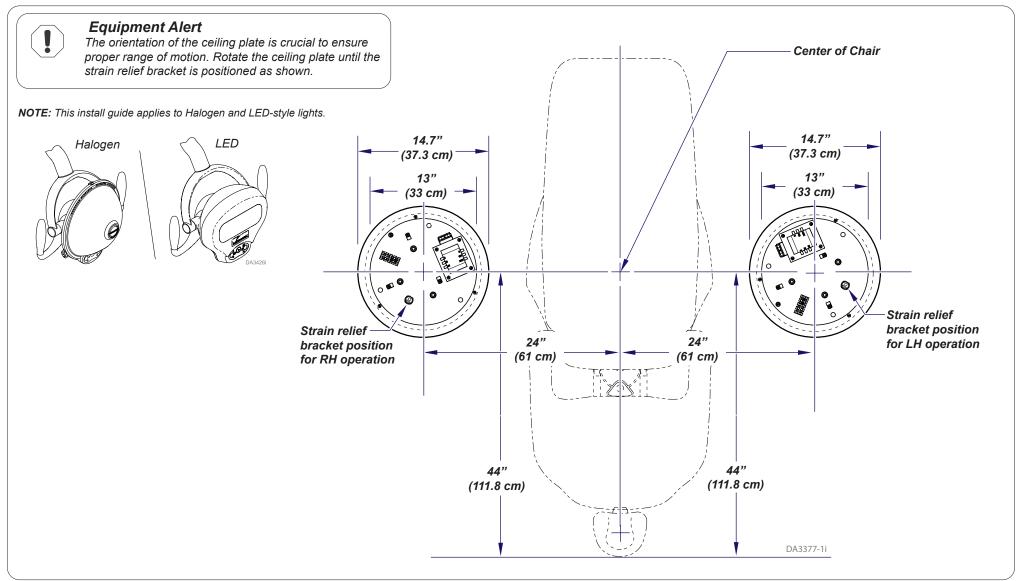
Ceiling Mounted Light Installation

Applies to Models: 153637 (-001)

153637 (-001) 153905 (-001)

Note

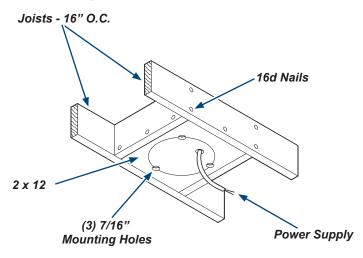
Midmark recommends to mount the light on the opposite side of the doctor's normal work position.



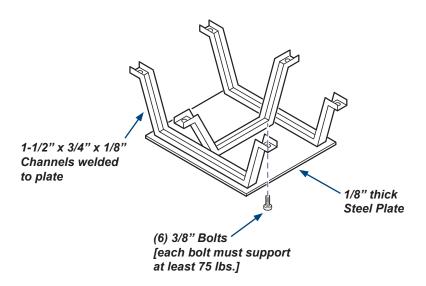
Note

Midmark does <u>not</u> supply the ceiling support structure. The illustrations below are for suggestion only. Consult a qualified professional to install the appropriate support structure for the facility.

Wood Frame Ceiling



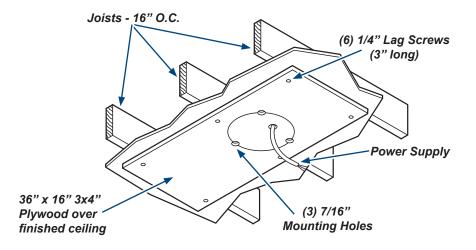
Suspended Ceiling

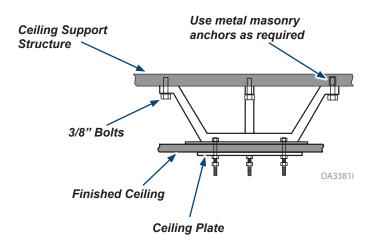


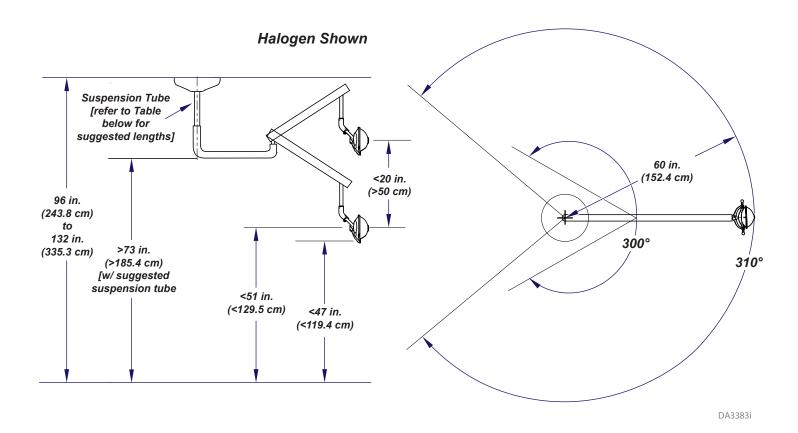
Lighting Systems (ONLY)			
Weight (max.)	70 lbs. (31.7 kg.)		
Torque (max.)	70 ft-lbs. (94.9 N•m)		

Note

The ceiling structure must support the light system without deflection. To prevent the suspension arm from drifting, the ceiling plate must deflect no more than 1/16 in. (1.6 mm) over a 12 in. (30.5 cm) distance.







Suspension Tube Recommendations		
Mounting Height	Suspension Tube Part Number	Suspension Tube Length
96 to 98 in. (243.8 to 248.9 cm)	052-10205-00-216	11.58 in. (29.4cm)
99 to 102 in. (251.5 to 259.1 cm)	052-10205-01-216	15.58 in. (39.6 cm)
103 to 106 in. (261.6 to 269.2 cm)	052-10205-02-216	19.58 in. <i>(49.7 cm)</i>
107 to 110 in. (271.8 to 279.4 cm)	052-10205-03-216	23.58 in. (59.9 cm)
111 to 114 in. (281.9 to 289.5 cm)	052-10205-04-216	27.58 in. (70.0 cm)
115 to 118 in. (292.1 to 299.7 cm)	052-10205-05-216	31.58 in. (80.2 cm)
119 to 122 in. (302.3 to 309.9 cm)	052-10205-06-216	35.58 in. (90.4 cm)
123 to 126 in. (312.4 to 320.0 cm)	052-10205-07-216	39.58 in. (100.5 cm)
127 to 130 in. (322.6 to 330.2 cm)	052-10205-08-216	43.58 in. (110.7 cm)
>130 in. (>330.2 cm)	052-10205-09-216	47.58 in. (120.8 cm)

WARNING

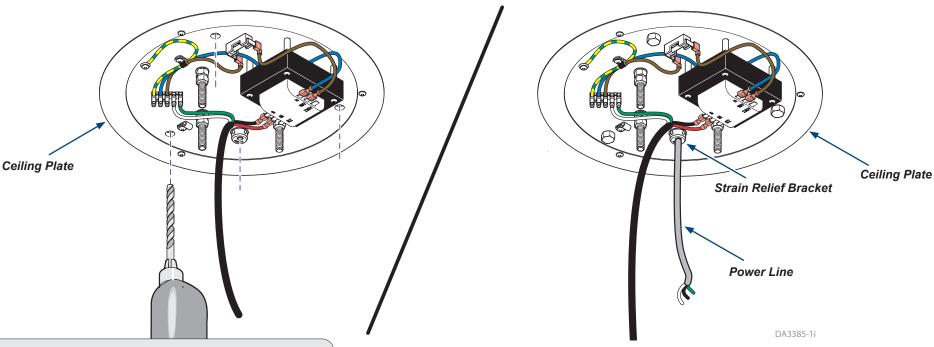
Disconnect facility power before performing this installation. Failure to comply could result in serious personal injury.

Note

The customer must provide the wiring to power the lighting system. The lighting system requires 115/230 VAC input voltage. Wiring should be two conductor w/ground, 14 gauge copper, rated for 300 VAC (minimum). Connect and route wiring according to state and local codes.

Step 2: Routing power line.

- A) Route power line thru ceiling access hole.
- B) Pull power line thru strain relief bracket on ceiling plate.

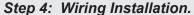


Step 1: Marking hole location.

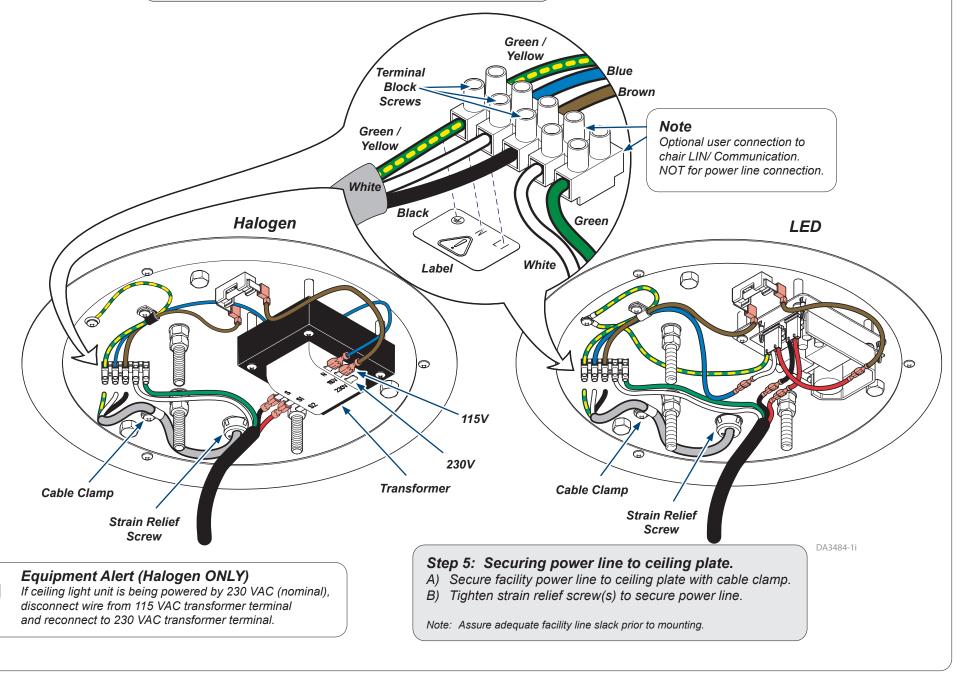
- A) Position ceiling plate or template (supplied on carton.)
- B) Mark three mounting holes and power line hole.
- C) Drill holes.

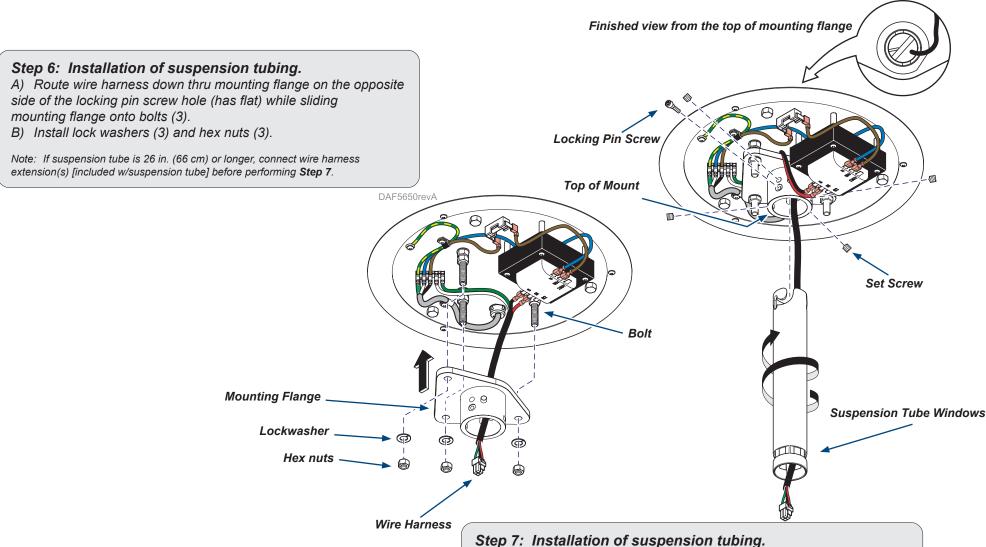
Step 3: Secure ceiling plate.

- A) Align ceiling plate to ceiling support structure.
- B) Secure ceiling plate via 1/2" holes with appropriate hardware [not provided].



- A) Use label for insert wires from power line into terminal block.
- B) Secure wires with terminal block screws.





WARNING

The locking pin screw and set screws should only be installed after the down tube has been mounted and is hanging freely from the mounting flange. If the locking pin screw cannot be threaded into the mounting flange with the down tube mounted it can indicate there is an error in the setup.

- A) Route wire harness into suspension tube.
- B) Align the opening of the pin groove in the suspension tube and the pin in the mounting flange. Gently raise the suspension tube until the pin enters the pin groove in the tube. Raise and rotate the suspension tube until you can rotate no further, then slowly lower the tube. The tube should hang freely with no support.
- C) Install the Locking pin screw (hand tighten) in the hole with flat and secure the tube with set screws (4). Ensure the tube is rigid after set screws are tightened.

