



Original Instructions

Decorative Lamps

DL Series

GB **Decorative Lamps**
DL Series
Installation and Operating Manual

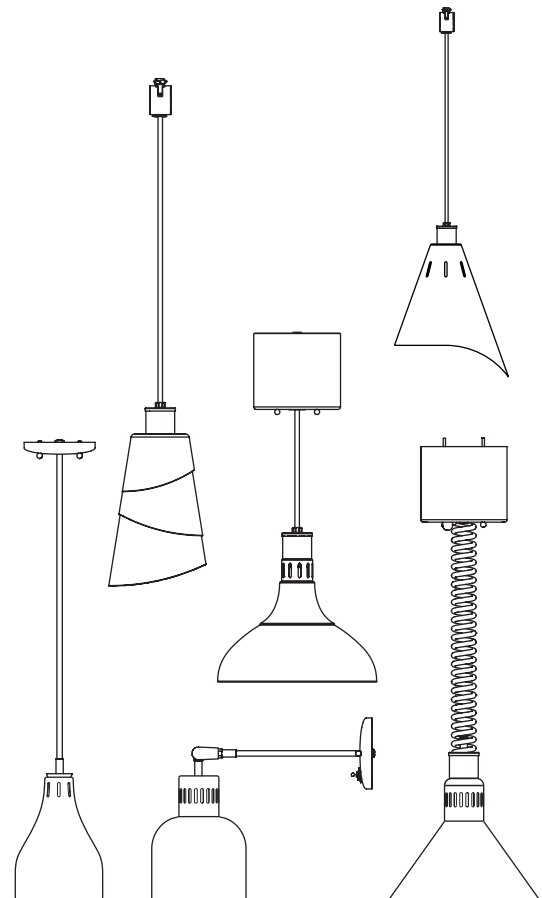
For CE and Non-CE Models

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[Register online!](#)

WARNING

Do not operate this equipment unless you have read and understood the contents of this manual! Failure to follow the instructions contained in this manual may result in serious injury or death. This manual contains important safety information concerning the maintenance, use, and operation of this product. If you're unable to understand the contents of this manual, please bring it to the attention of your supervisor. Keep this manual in a safe location for future reference.



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IMPORTANT OWNER INFORMATION

Record the model number, serial number, voltage, and purchase date of the unit in the spaces below (specification label located inside the lamp shade). Please have this information available when calling Hatco® for service assistance.

Model No. _____

Serial No. _____

Voltage _____

Date of Purchase _____

Business

Hours: 7:00 AM to 5:00 PM Monday–Friday,
Central Time (CT)
(Summer Hours—June to September:
7:00 AM to 5:00 PM Monday–Thursday
7:00 AM to 4:00 PM Friday)

Telephone: +1-414-671-6350

E-mail: support@hatcocorp.com

Additional information can be found by visiting our web site at www.hatcocorp.com.

Register your unit!

Completing online warranty registration will prevent delay in obtaining warranty coverage. Access the Hatco website at www.hatcocorp.com, select the *Support* pull-down menu, and click on “Warranty”.



Correct Disposal of this Product

This marking indicates that this product and its electronic components should not be disposed of with other commercial waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle responsibly to promote the sustainable reuse of material resources. To dispose of product and its electronic components, contact supplier where product was purchased for environmentally safe recycling.

INTRODUCTION

Hatco Decorative Lamps are designed to hold food at serving temperatures as well as enhance restaurant decor. Decorative Lamps provide light and supplemental heat. A “Luminaire” option (lighting only) is available for applications that do not require supplemental heat but would benefit from the style and focus of a Decorative Lamp.

Decorative Lamps are quality built to meet the demands of foodservice operations and provide years of trouble-free performance.

Hatco Decorative Lamps are a product of extensive research and field testing. The materials used were selected for maximum durability, attractive appearance, and optimum performance. Every unit is inspected and tested thoroughly prior to shipment.

This manual provides the installation, safety, and operating instructions for Hatco Decorative Lamps. Hatco recommends all installation, operating, and safety instructions appearing in this manual be read prior to installation or operation of a unit.

Safety information that appears in this manual is identified by the following signal word panels:



WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



NOTICE

NOTICE is used to address practices not related to personal injury.

NOTE: Refer to the Symbol Identification tables on the back cover of this manual for definitions of symbols that may appear in this manual.



Read the following important safety information before using this equipment to avoid serious injury or death and to avoid damage to equipment or property.

⚠ WARNING**ELECTRIC SHOCK HAZARD:**

- Unit must be installed by a qualified electrician. Installation must conform to all local electrical codes. Installation by unqualified personnel will void unit warranty and may lead to electric shock or burn, as well as damage to unit and/or its surroundings.
- Turn OFF power at mounting location before installation of unit.
- Failure to ground unit properly could result in serious personal injury or death.
- Turn OFF power at fused disconnect switch/circuit breaker and allow unit to cool before performing any cleaning, adjustments, or maintenance.
- DO NOT submerge or saturate with water. Unit is not waterproof. Do not operate if unit has been submerged or saturated with water.
- Unit is not weatherproof. Locate the unit indoors.
- Do not steam clean or use excessive water on unit.
- Do not install track system above a steam table or other steam generating appliance.
- This unit is not “jet-proof” construction. Do not use jet-clean spray to clean this unit.
- This unit must be serviced by qualified personnel only. Service by unqualified personnel may lead to electric shock or burn.
- Do not clean unit when it is energized or hot.
- Use only Genuine Hatco Replacement Parts when service is required. Failure to use Genuine Hatco Replacement Parts will void all warranties and may subject operators of the equipment to hazardous electrical voltage, resulting in electrical shock or burn. Genuine Hatco Replacement Parts are specified to operate safely in the environments in which they are used. Some aftermarket or generic replacement parts do not have the characteristics that will allow them to operate safely in Hatco equipment.

⚠ WARNING**FIRE HAZARD:**

- Locate unit a minimum of 25 mm (1") from combustible walls and materials. If safe distances are not maintained, discoloration or combustion could occur.
- DL standard watt lamps (250 W bulb) and Luminaires (200 W bulb maximum) must have a minimum of 406 mm (16") above a combustible surface or minimum clearance of 127 mm (5") above a non-combustible surface. If safe distances are not maintained, discoloration or combustion could occur.
- DLH high watt lamps (375 W bulb) must have a minimum of 686 mm (27") above a combustible surface or minimum clearance of 127 mm (5") above a non-combustible surface. If safe distances are not maintained, discoloration or combustion could occur.
- Do not install a 375 W bulb into a DL standard watt lamp or a Luminaire unit.

Hatco Corporation is not responsible for the actual food product serving temperature. It is the responsibility of the user to ensure that the food product is held and served at a safe temperature.

Make sure all operators have been instructed on the safe and proper use of the unit.

This unit is not intended for use by children or persons with reduced physical, sensory, or mental capabilities. Ensure proper supervision of children and keep them away from the unit.

This unit has no “user-serviceable” parts. If service is required on this unit, contact an Authorized Hatco Service Agent or contact the Hatco Service Department at +1-414-671-6350.

⚠ CAUTION

BURN HAZARD: Some exterior surfaces on unit will get hot. Use caution when touching these areas.

Locate the unit at the proper height in an area that is convenient for use.

When installing track lighting systems, use only fixture assemblies marked for use with HALO® Power-Trac and Track Fittings marked for use with L650 Series Track.

CAUTION

Power-Trac systems are not intended for use with a power supply cord or convenience receptacle adapter.

The maximum capacity of Power-Trac track lighting systems is 20 A per circuit. Check fuses and circuits carefully before installing. The 20 A maximum includes all lights and appliances connected to circuit (120 V only, maximum 1920 W per any length track).

Use caution when drilling during track installation to avoid damaging buss bar insulators. If insulators are damaged, discard the section—DO NOT use.

For non-CE units NOT equipped with a Hatco-supplied switch, a qualified electrician must choose an appropriate switch for the application based on amperage and in-rush rating of the switch.

For all CE units, a qualified electrician must choose and install an appropriate double-pole switch for the application based on amperage and in-rush rating of the switch.

All canopy mount units are designed to fit a standard 102 mm (4") octagonal junction box. Junction box must be anchored securely to building structure.

Multiple installations of Decorative Lamps must have a minimum clearance of 305 mm (12") on center of shade between each unit.

NOTICE

Damage to any countertop material caused by heat generated from Hatco equipment is not covered under the Hatco warranty. Contact the manufacturer of the countertop material for application information.

Retractable models and track mounted units must be installed on a flat, horizontal ceiling or damage to unit could occur.

Hatco® Decorative Lamps are built to fit L-650 Series HALO® Power-Trac lighting systems only. Do not attempt to use on any other track lighting system.

Use non-abrasive cleaners and cloths only. Abrasive cleaners and cloths could scratch finish of unit, marring its appearance and making it susceptible to soil accumulation.

Do not use ammonia-based cleaners on unit.

This unit is intended for commercial use only—NOT for household use.

MODEL DESCRIPTION

All Models

All Decorative Lamps are constructed of aluminum and steel and include heavy-duty mounting hardware. Each Decorative Lamp is available with an infrared bulb contained in a vented shade (Luminaire bulb not included). The shade is available in powdercoated *Designer* colors, Gloss finishes, or Plated finishes.

DL Models (Standard Wattage)

Standard wattage models (DL) use a 250 W infrared bulb and include a built-in ON/OFF switch located at the stem or canopy for independent heat control. DL units may be ordered with the optional remote switch (REM) or with no switch.

A Luminaire option is available for DL Models for lighting only (no heat). The Luminaire model uses a maximum of a 200 W bulb (Luminaire bulb not included).

DLH Models (High Wattage)

High wattage models (DLH) use a 375 W infrared bulb and are available with either the remote switch (REM) or with no switch.

CAUTION

For non-CE units NOT equipped with a Hatco-supplied switch, a qualified electrician must choose an appropriate switch for the application based on amperage and in-rush rating of the switch.

For all CE units, a qualified electrician must choose and install an appropriate double-pole switch for the application based on amperage and in-rush rating of the switch.

Accessories are available for the Decorative Lamps. Refer to the OPTIONS AND ACCESSORIES section in this manual for details.

Electrical Rating Chart

Model	Volts	Watts	Amps
DL Series	120 V	250 W	2.1 A
	240 V	250 W	1.1 A
DLH Series	120 V	375 W	3.2 A
	240 V	375 W	1.6 A

Model	Volts	Watts	Amps
DL Luminaire	120 V	200 W	1.7 A
	240 V	200 W	0.8 A

NOTE: The specification label is located inside the lamp shade. See the label for the serial number and verification of unit electrical information.

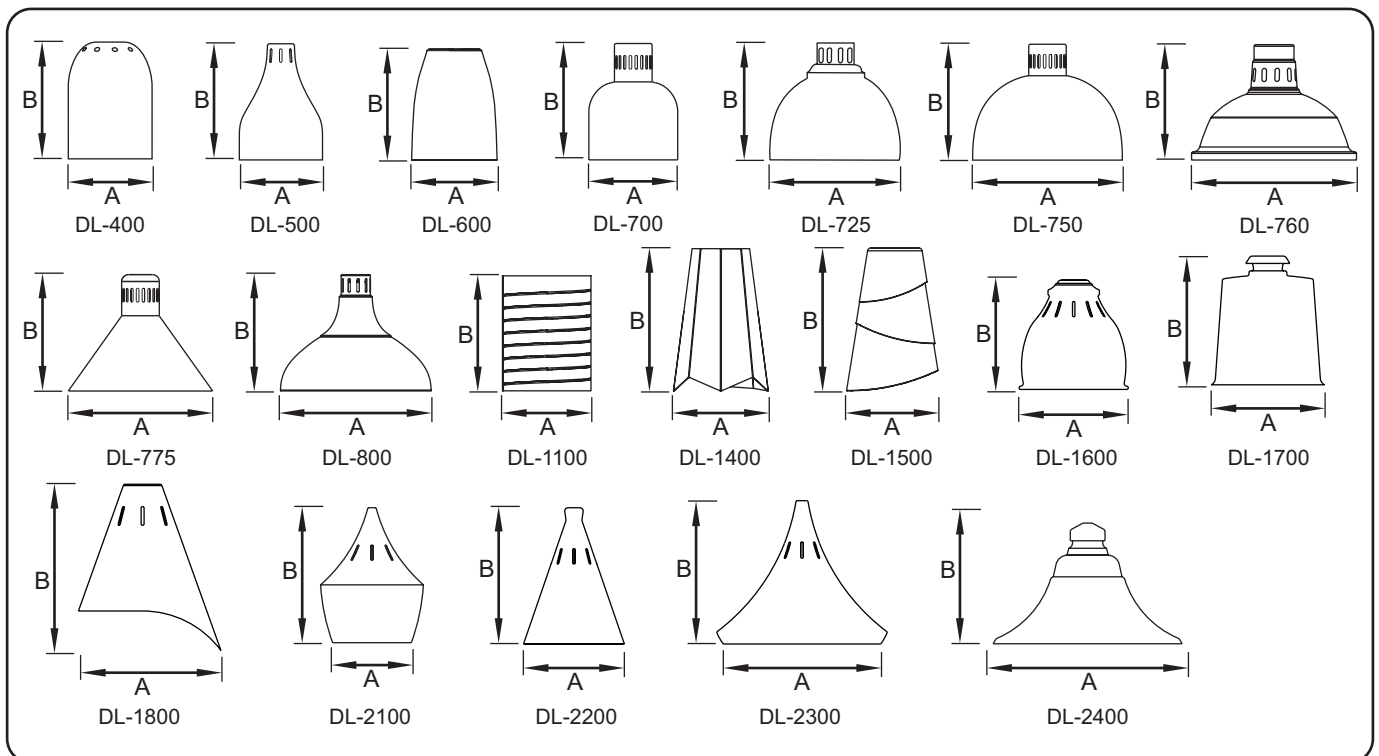
Dimensions — Lamp Shade

Lamp Shade Style	Width (A)	Height (B)
DL-400	156 mm (6-1/8")	216 mm (8-1/2")
DL-500	156 mm (6-1/8")	216 mm (8-1/2")
DL-600	159 mm (6-1/4")	216 mm (8-1/2")
DL-700	165 mm (6-1/2")	216 mm (8-1/2")
DL-725	241 mm (9-1/2")	216 mm (8-1/2")
DL-750	279 mm (11")	216 mm (8-1/2")
DL-760	318 mm (12-1/2")	216 mm (8-1/2")

Lamp Shade Style	Width (A)	Height (B)
DL-775	267 mm (10-1/2")	216 mm (8-1/2")
DL-800	279 mm (11")	216 mm (8-1/2")
DL-1100	165 mm (6-1/2")	216 mm (8-1/2")
DL-1400	178 mm (7")	216 mm (8-1/2")
DL-1500	169 mm (6-11/16")	216 mm (8-1/2")
DL-1600	216 mm (8-1/2")	216 mm (8-1/2")
DL-1700	191 mm (7-1/2")	216 mm (8-1/2")

Lamp Shade Style	Width (A)	Height (B)
DL-1800	229 mm (9")	267 mm (10-1/2")
DL-2100	156 mm (6-1/8")	267 mm (10-1/2")
DL-2200	197 mm (7-3/4")	267 mm (10-1/2")
DL-2300	293 mm (11-1/2")	267 mm (10-1/2")
DL-2400	279 mm (11")	216 mm (8-1/2")

NOTE: The height dimension of the shade increases by 51 mm (2") when using a cord mounted unit (C, CT, R, RT, RC, and RCT mounting styles).



DLH - 700 - ASTU

Decorative Lamp
 No Character = Standard Watt
 L = Luminaire Low Watt
 H = High Watt
 Shade Style

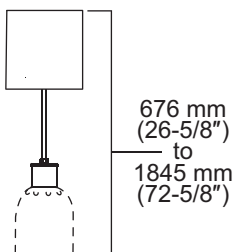
Switch Location:
 U = Upper I/O (on/off) Switch
 (not available with High Watt,
 Track Mount, or R Mount)
 L = Lower I/O (on/off) Switch
 (not available with High Watt,
 DL-2100, -2200, -2300, -2400)
 R = Remote I/O (on/off) Switch
 (switch plate not included
 with 120 V switch)
 N = None (supplied by installer)

NOTE: The overall dimensions include an
 8-1/2" (216 mm) shade. Add 2" (51 mm)
 for models with a 10-1/2" (267 mm) shade.

Mounting Style

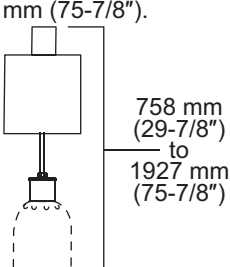
RC Mount

Lamp mounts with retractable cord. Cord adjusts up-down from 676 mm (26-5/8") to 1845 mm (72-5/8").



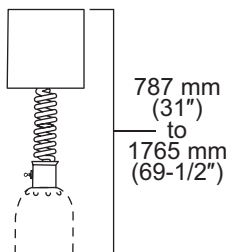
RCT Mount

Lamp mounts with retractable cord to track adapter. Cord adjusts up-down from 758 mm (29-7/8") to 1927 mm (75-7/8").



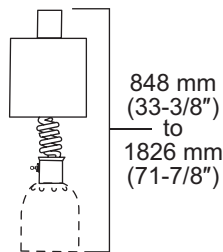
R Mount

Lamp mounts with coiled retractable cord. Cord adjusts up-down from 787 mm (31") to 1765 mm (69-1/2").



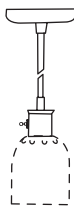
RT Mount

Lamp mounts with coiled retractable cord. Cord adjusts up-down from 848 mm (33-3/8") to 1826 mm (71-7/8").



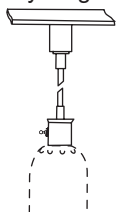
C Mount

Lamp mounts with cord to the canopy. Overall length from 432 mm (17") to any length.



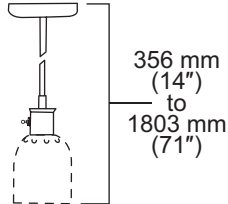
CT Mount (120V Only)

Lamp mounts with cord to track adapter. Overall length from 432 mm (17") to any length.



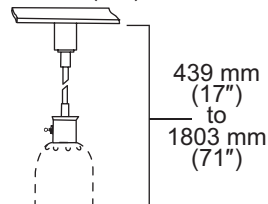
S Mount

Lamp mounts with rigid stem to canopy. Overall length from 356 mm (14") to 1803 mm (71").



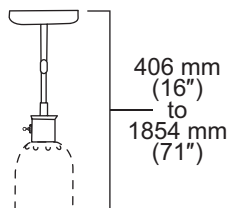
ST Mount (120V Only)

Lamp mounts with rigid stem to track adapter. Overall length from 439 mm (17") to 1803 mm (71").



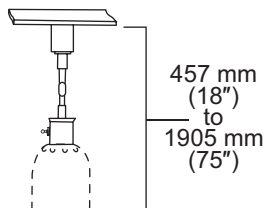
AS Mount

Lamp mounts with an adjustable stem to canopy. Overall length from 16" (406 mm) to 73" (1854 mm).



AST Mount

Lamp mounts with an adjustable stem to track adapter. Overall length from 18" (457 mm) to 75" (1905 mm).



TS Mount

Lamp mounts with threaded stem to fixture above (fixture supplied by others). Threaded stem mount is available only as a UL recognized (UR) component.



General

Use the following information and procedures to install Decorative Lamps.

WARNING

ELECTRIC SHOCK HAZARD:

- Unit must be installed by a qualified electrician. Installation must conform to all local electrical codes. Installation by unqualified personnel will void unit warranty and may lead to electric shock or burn, as well as damage to unit and/or its surroundings.
- Turn OFF power at mounting location before installation of unit.
- Do not install track system above a steam table or other steam generating appliance.
- Failure to ground unit properly could result in serious personal injury or death.
- Unit is not weatherproof. Locate the unit indoors.

FIRE HAZARD:

- Locate unit a minimum of 25 mm (1") from combustible walls and materials. If safe distances are not maintained, discoloration or combustion could occur.
- DL standard watt lamps (250 W bulb) and Luminaires (200 W bulb maximum) must have a minimum of 406 mm (16") above a combustible surface or minimum clearance of 127 mm (5") above a non-combustible surface. If safe distances are not maintained, discoloration or combustion could occur.
- DLH high watt lamps (375 W bulb) must have a minimum of 686 mm (27") above a combustible surface or minimum clearance of 127 mm (5") above a non-combustible surface. If safe distances are not maintained, discoloration or combustion could occur.
- Do not install a 375 W bulb into a DL standard watt lamp or a Luminaire unit.

CAUTION

Locate the unit at the proper height in an area that is convenient for use.

For non-CE units NOT equipped with a Hatco-supplied switch, a qualified electrician must choose an appropriate switch for the application based on amperage and in-rush rating of the switch.

For all CE units, a qualified electrician must choose and install an appropriate double-pole switch for the application based on amperage and in-rush rating of the switch.

All canopy mount units are designed to fit a standard 102 mm (4") octagonal junction box. Junction box must be anchored securely to building structure.

Multiple installations of Decorative Lamps must have a minimum clearance of 305 mm (12") on center of shade between each unit.

NOTICE

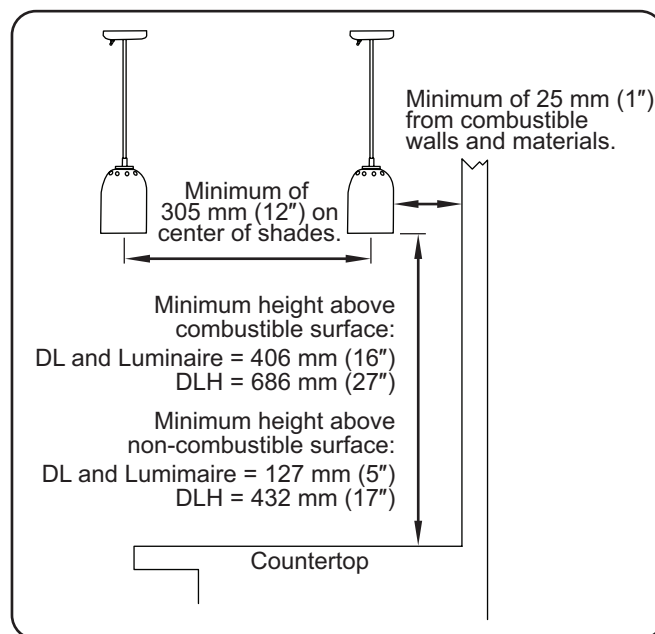
Damage to any countertop material caused by heat generated from Hatco® equipment is not covered under the Hatco warranty. Contact the manufacturer of the countertop material for application information.

1. Remove the decorative lamp assembly from the carton.
2. Remove tape and protective packaging from all surfaces of unit.

NOTE: To prevent delay in obtaining warranty coverage, complete online warranty registration. See the IMPORTANT OWNER INFORMATION section for details.

3. Make sure the installation site provides the proper installation clearances for the unit (see below).

NOTE: For even heating, install multiple units a distance of 305 mm (12") on center of shades.



Safe Mounting Distances

NOTE: For 120 V units, the remote ON/OFF switch is capable of handling up to nine 200 W Luminaires, seven 250 W lamps, or five 375 W lamps.

For 240 V units, the remote ON/OFF switch is capable of handling up to four 250 W lamps or three 375 W lamps.

Assembly

Models with Mounting Styles C, CT, R, RT, RC, and RCT are cord hung fixtures and are shipped fully assembled and ready for installation. All other models will require some assembly before mounting. Refer to the appropriate assembly procedure in this section for each mounting style.

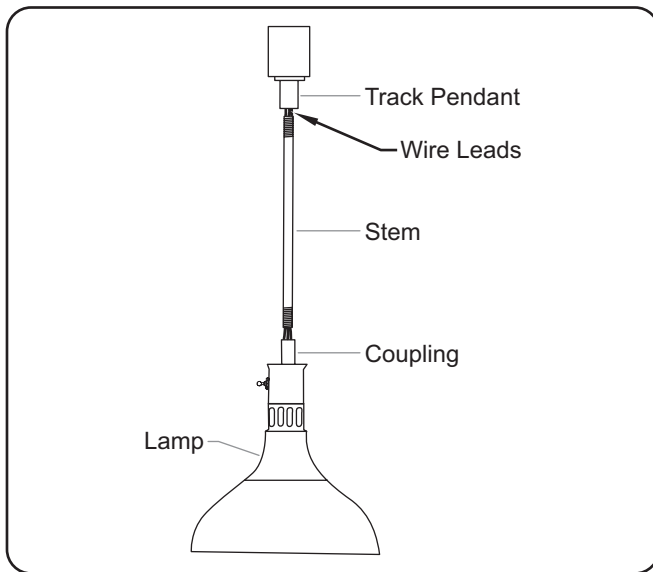
NOTE: If the shade comes equipped with plastic nut and nipple in stem mounting hole, both nut and nipple must be removed before installing stem to shade.



Turn OFF power at mounting location before installation of unit.

Assembling an ST Mount Unit

1. Remove the plastic caps covering each end of the stem, if present.
2. Feed the wire leads from the lamp through the stem.
3. Screw the stem into the coupling on the lamp. Tighten securely.
4. Open the track pendant side access panel and feed the wires up into the pendant enclosure.
5. Screw the stem into the track pendant and tighten securely. The stem should not rotate after it is tightened.
6. Following the instructions supplied with the pendant, connect together the white wire leads, connect together the black wire leads, and connect together the green ground wires using the provided wire nuts.



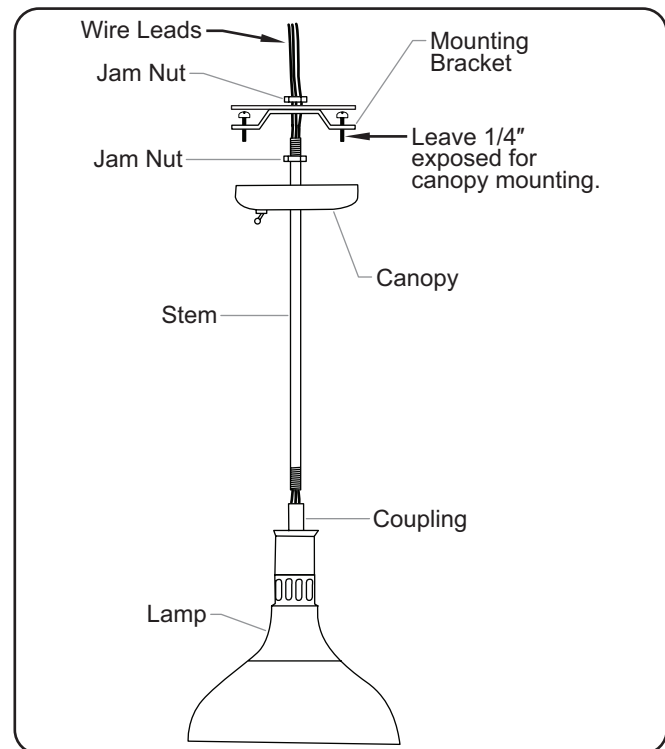
Assembling an ST Mount Unit

Assembling an S Mount Unit

1. Remove the plastic caps covering each end of the stem, if present.
2. Remove the two jam nuts from the stem.

NOTE: The jam nuts are installed on the stem for shipping purposes. Both jam nuts must be removed before assembling the unit. After assembly, both jam nuts will be on the canopy side of the stem.

3. Feed the wire leads from the lamp through the stem.
4. Screw the stem into the coupling on the lamp shade and tighten securely. If the unit is equipped with a pivot mount, straighten the pivot to help ease feeding the wires.
5. Place the canopy on the stem.
6. Thread one jam nut onto the stem and tighten until it bottoms out on the threads.
7. Place the mounting bracket on the stem until it rests on the jam nut.
8. Thread the second jam nut onto the stem and tighten it against the mounting bracket.
9. If the unit is equipped with an upper switch, connect the black wire from the lamp to one of the black wires on the switch. Use the included wire nut.



Assembling an S Mount Unit

Installing C, S, R, and RC Mount Units



Turn OFF power at mounting location before installation of unit.



Retractable models and track mounted units must be installed on a flat, horizontal ceiling or damage to unit could occur.

1. Mount the upper plate of the mounting bracket to a 4" (102 mm) octagon junction box using the two screws provided with the junction box.
2. Make sure all power is OFF, and connect supply lead L1 to the black lamp lead. Connect neutral to the white lamp lead.

If the lamp is equipped with three wires, connect ground to the green lead. If lamp is equipped with two wires, make proper ground wire connections from junction box. Tuck excess wires into junction box.

3. Apply the supplied threadlocker to the ball cap nuts.
4. Slide the canopy cover or cord housing up until it rests against the ceiling and install the two ball cap nuts until snug to the ceiling.

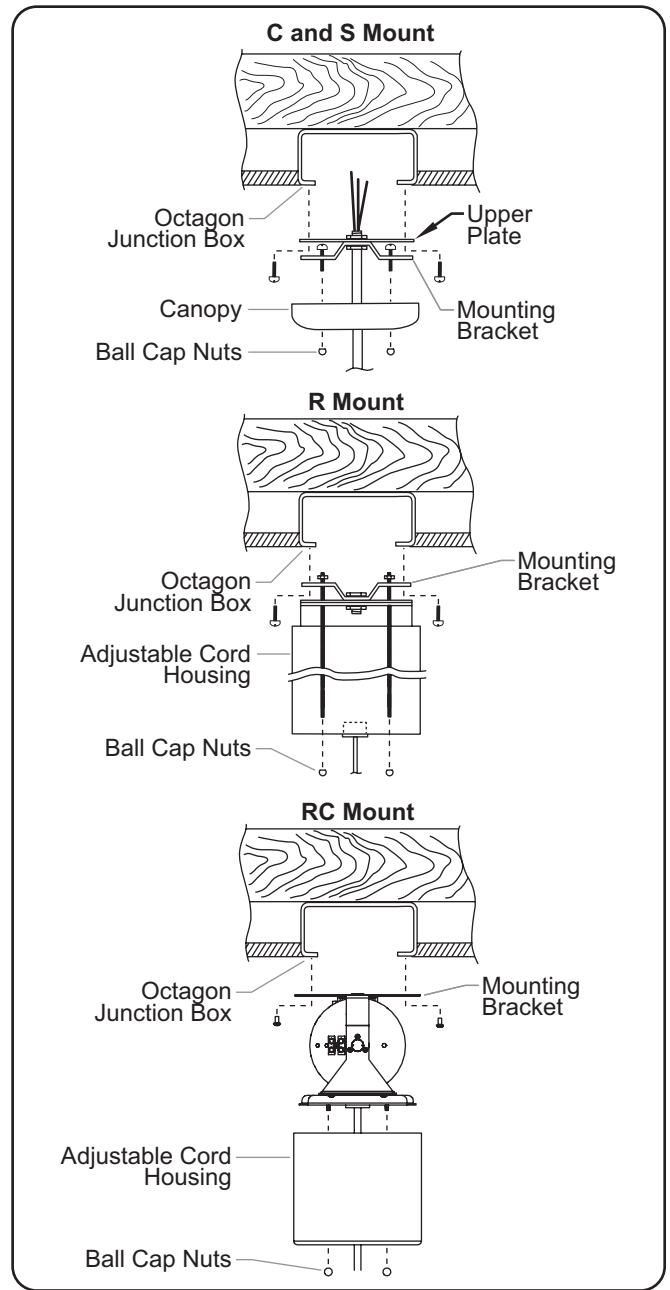
NOTE: C Mount models feature a cord clamp for cord length adjustments. Cord clamps must be installed no closer than 13 mm (1/2") from end of cord jacket. The screw must not be tightened more than flush with the outside of the cord clamp.

Installing TS Mount Units (UL Recognized)



Turn OFF power at mounting location before installation of unit.

1. Drill a 11 mm (7/16") hole through mounting fixture.
2. Pass wires from the lamp through hole in fixture.
3. Secure the lamp to the fixture with nut.
4. Make sure all power is OFF, and connect supply lead L1 to the black lamp lead. Connect neutral to the white lamp lead and the ground to the green lead.



Mounting to a Junction Box

Installing Track Mount Units (CT, ST, RT, and RCT)

⚠ WARNING

ELECTRIC SHOCK HAZARD: Do not install track system above a steam table or other steam generating appliance.

⚠ CAUTION

The maximum capacity of Power-Trac track lighting systems is 20 A per circuit. Check fuses and circuits carefully before installing. The 20 A maximum includes all lights and appliances connected to circuit (120 V only, maximum 1920 W per any length track).

Power-Trac systems are not intended for use with a power supply cord or convenience receptacle adapter.

When installing track lighting systems, use only fixture assemblies marked for use with HALO® Power-Trac and Track Fittings marked for use with L650 Series Track.

NOTICE

Hatco® Decorative Lamps are built to fit L-650 Series HALO® Power-Trac lighting systems only. Do not attempt to use on any other track lighting system.

Retractable models and track mounted units must be installed on a flat, horizontal ceiling or damage to unit could occur.

The track system is to be supplied by a single branch circuit 120 V, 60 Hz, 20 A.

NOTE: A maximum of nine 200 W Luminaire units, seven 250W heat lamp units, or five 375 W heat lamp units may be installed per each 120V, 20 A track bar circuit. The Installer is responsible for properly sizing the supply circuit with the lamp load.

The standard track and cord color of Hatco track systems is black. White is available as an option. Hatco provides track kits in four different lengths:

- 4' (1219 mm)
- 8' (2438 mm) Track and Track Connector. Track consists of two 4' (1219 mm) tracks.
- 12' (3658 mm) Track and Track Connector. Track consists of three 4' (1219 mm) tracks.
- 16' (4877 mm) Track and Track Connector. Track consists of four 4' (1219 mm) tracks.

When installing or using this track system, the following basic safety precautions should always be followed:

- Read all of these installation instructions before installing the track system.
- Save these instructions and refer to them when additions to or changes in the track configuration are made.
- Do not install the track system in damp or wet locations, including above a steam table or steam generating appliance. Installation in these areas will void warranty.
- Do not install any part of a track system less than 1524 mm (5 feet) above the floor.
- Do not install any fixture assembly closer than 25 mm (1") along the sides from any curtain or similar combustible material.

- Disconnect electrical power before adding to or changing the configuration of the track.
- Do not attempt to energize anything other than Power-Trac lighting fixtures on the track. To reduce the risk of fire and electric shock, do not attempt to connect power tools, extension cords, appliances, etc. to the track.

The track system must be mounted using the appropriate fasteners in the pre-drilled mounting holes at each end of the 4' (1219 mm) track(s).

If track requires field cutting, refer to the "Cutting Track to Special Lengths" procedure. If track does not require field cutting, proceed to "Installing the Track."

Installing the Track

Use the following procedure to install the track(s). Two or more people may be required for this procedure.

⚠ WARNING

Turn OFF power at mounting location before installation of unit.

NOTE: 8' (2438 mm), 12' (3658 mm), and 16' (4877 mm) tracks use multiple 4' (1219 mm) track sections and a track connector(s) for installation. Refer to "Installing Track Sections" for details.

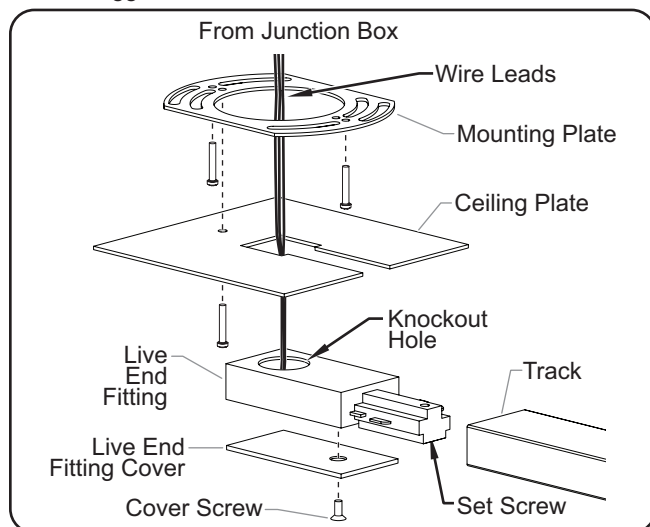
NOTICE

Do not damage the special, smooth plastic finish piece on metal ceiling plate when determining location of proper knock out holes.

Retractable models and track mounted units must be installed on a flat, horizontal ceiling or damage to unit could occur.

1. Determine the live end of the track, and remove the end cap.
 - The live end fitting must be installed into the correct end of the track—make sure that the ground conductor on the fitting aligns with the ground conductor buss bar on the track. A groove along the side of the track indicates the ground conductor side.
2. Install the live end fitting completely into the live end of the track.
 - Make sure the live end fitting is pushed completely into the track, and tighten the set screw on the live end fitting.
3. Remove the screw from the live end fitting cover, and remove the cover. Pry out the fitting's knockout hole.
4. Install the provided mounting plate onto the junction box using the included screws.
5. Lift the track assembly to the ceiling, and center the live end fitting over the junction box while locating the attached track in the desired position. Mark the locations of the track mounting holes on the ceiling. Set the track assembly aside.
 - If track is to be mounted on a solid surface, use #8 screws (not supplied) instead of the toggle bolts.

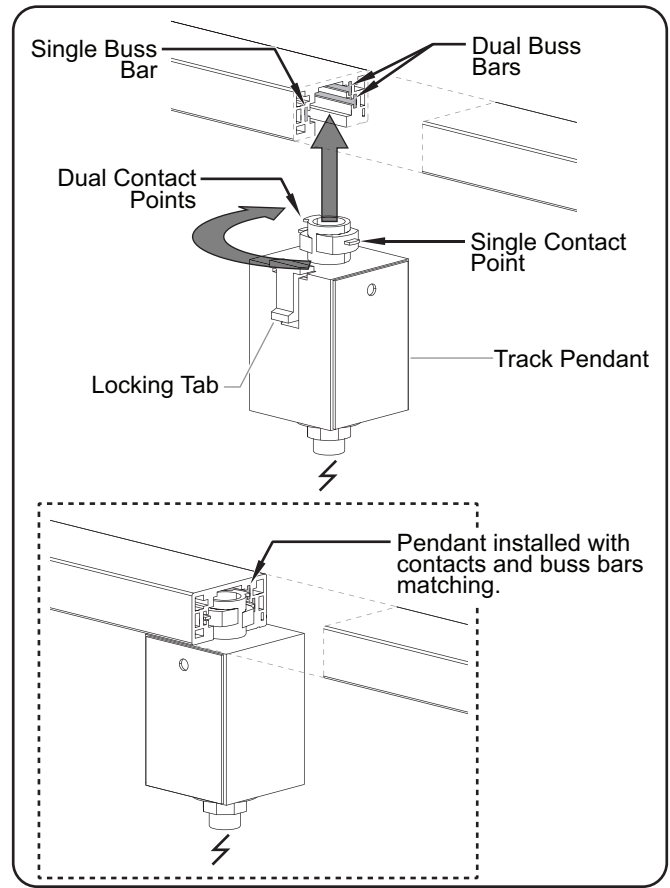
6. Using a 1/2" bit, drill the mounting holes in the ceiling for the supplied toggle bolts.
7. Make the electrical connections from the junction box to the live end fitting.
 - a. Cut and strip the wire leads (3/8" [10 mm] strip).
 - b. Lift the track assembly near the ceiling, pull the wires through the knockout hole in the live end fitting, and connect the wires to the screw terminals in the fitting.
 White "neutral" wire to silver terminal;
 Black "hot" wire to brass terminal;
 Ground wire to green ground terminal.
 - c. Push the excess wire back into the junction box.
8. Replace the cover on the live end fitting, and secure with the cover screw.
9. Slide the provided ceiling plate around the wires between the junction box and the live end fitting. Secure the ceiling plate to the mounting plate/junction box with the included screw.
10. Install the toggle bolts through the track mounting holes.
11. Reposition the track assembly, and install the track using the toggle bolts.



Installing the Track

8. Install the lamp(s) in the desired location(s) along the track. To install the lamp(s):
 - a. Pull back the locking tab on the track pendant and insert the pendant into the track.
 - b. Rotate the pendant approximately 90° until the pendant locks into position.

NOTE: Make sure the contact points on the track pendant will match up with the buss bars inside the track after rotating the pendant into position.

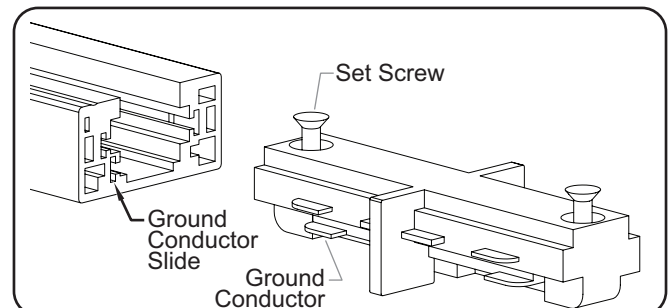


Track Cutaways Showing Track Pendant Installation

Installing Track Sections

Perform the "Installing the Track" procedure for the first track section, then use the following procedure to install the remaining 4' track sections for 8', 12', and 16' track kits.

1. Remove the end cap from the installed track, and slide the track connector into the end of the track.
 - Make sure the ground conductor on the connector aligns with the ground conductor buss bar on the track.
2. Remove the end cap from the live end of the new track section, and slide the track onto the open end of the track connector.
 - Make sure that the ground conductor buss bar on the new track aligns with the ground conductor on the connector.
3. Position and secure the new track section to the ceiling (refer to "Installing the Track" for details).
4. Tighten the two set screws on the track connector to secure the connection.



Installing Track Sections

Cutting Track to Special Lengths

NOTE: Cutting should be done from the dead end of the track. Refer to "Installing the Track" to identify the dead end.

1. Remove the end cap from the dead end of the track, and push the copper buss bars and insulators flush with the live end of the track. Measure length from the live end and mark the cut line.
2. Using a hacksaw, cut to desired length. Be sure to allow 1/8" (3 mm) for the end cap, which must be reinstalled to the track end.
3. Remove all burrs from the track, insulators, and copper buss bars.
4. Push the copper buss bars into the insulators 13 mm (1/2") from the end of the track.

NOTE: After completing the above step, the buss bar insulators should be flush with the track channel ends, and the copper buss bars should be cut back from each end of the track a minimum of 11 mm (7/16") to a maximum of 13 mm (1/2"). If this is not the case, make appropriate modifications.

5. Reinstall the end cap and tighten the screw.

IMPORTANT NOTE:

After track has been field cut, make sure that each 4' (1219 mm) section or less in length has one mounting hole spaced a maximum of 6" (152 mm) from each track end section. Additional mounting holes may be drilled as needed.

If additional mounting openings are required, follow this procedure in drilling holes:

1. Locate desired mounting holes on the inside center line of the track section.
2. Drill a 5 mm (3/16") hole through the track channel.

CAUTION

Use caution when drilling during track installation to avoid damaging buss bar insulators. If insulators are damaged, discard the section—DO NOT use.

3. Remove all burrs and proceed to "Installing the Track".

Adjusting the Stem

Use the following procedure to change the length of an adjustable stem after installing the decorative lamp.

NOTE: Make sure lamp is at proper height before tightening set set screws. The set screws will scratch the stem surface, which is not covered under warranty.

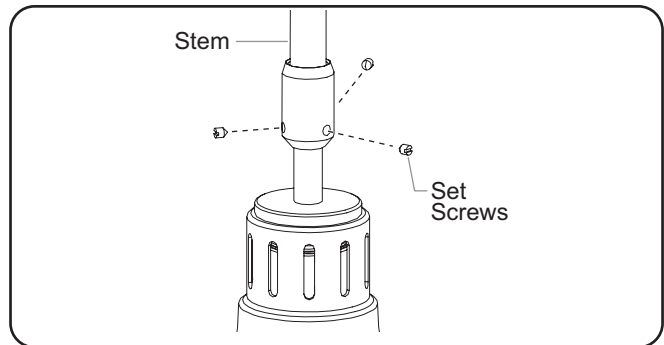
1. Slide the stem up or down to the desired length.

WARNING

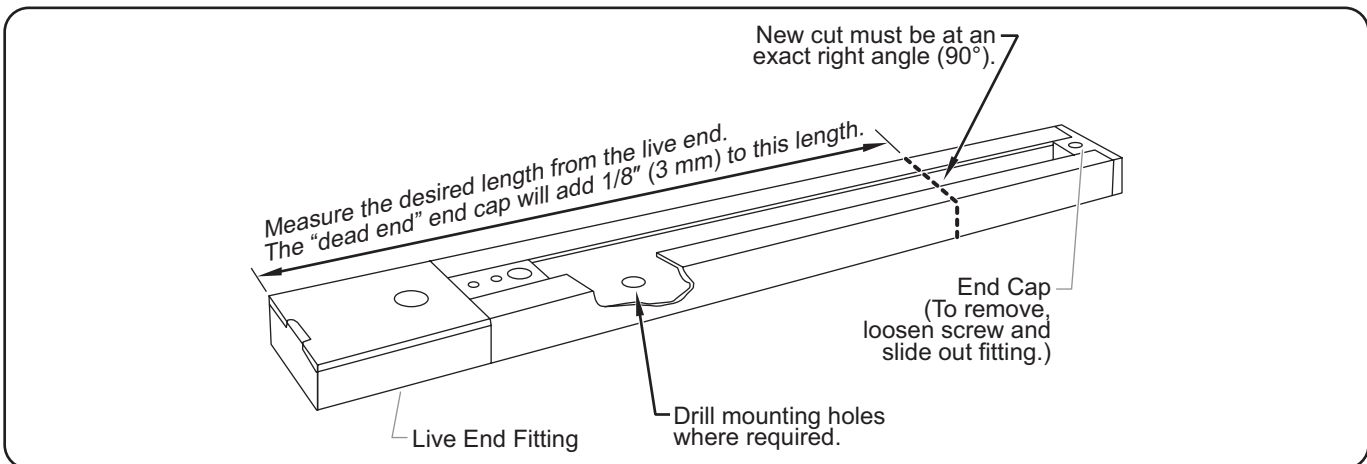
ELECTRIC SHOCK HAZARD: Tighten set screws securely (at least 12 ft-lbs.). Screws must penetrate paint and contact bare metal for grounding.

2. Secure the stem length using the included threadlocker and set screws. Tighten set screws securely (at least 12 ft-lbs.).

NOTE: Wiring might need to be trimmed in order to fit into the canopy after adjusting the stem length. Trimming wires will limit future adjustment of the stem.



Securing an Adjustable Stem



Cutting the Track to Special Lengths

General

Use the following procedures to operate a Decorative Lamp.



Read all safety messages in the Important Safety Information section before operating this equipment.

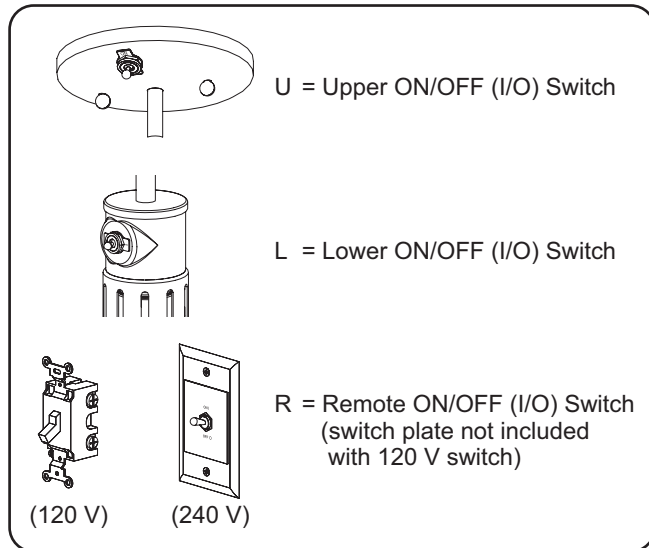
Hatco Corporation is not responsible for the actual food product serving temperature. It is the responsibility of the user to ensure that the food product is held and served at a safe temperature.

Startup

1. Move the I/O (on/off) Switch to the **I** (on) position. The lamp/Luminaire will illuminate.
 - Lamps are up to temperature and ready to provide lighting and supplemental heat to food product immediately.



BURN HAZARD: Some exterior surfaces on unit will get hot. Use caution when touching these areas.



I/O (on/off) Switches

Shutdown

1. Move the I/O (on/off) Switch to the **O** (off) position. The lamp/Luminaire will shut off.

Operating Retractable ‘R’ and ‘RT’ Units

R and RT mount units are equipped with a retractable cord that allows the lamp height to be adjusted. The retractable cord can extend up to 40” (1016 mm). **DO NOT** extend the cord past 40” or the retractable cord will jam. Use the following procedures to lower and raise an R or RT mount unit.



Damage to retractable cords by pulling too far causing a jam or pulling too hard is NOT covered under warranty.

Lowering the Unit

1. Pull straight down on the lamp to extend the cord until the lamp reaches the desired height.
 - The retractable cord can extend up to 1016 mm (40”). **DO NOT** extend the cord past 40” or the retractable cord will jam.
2. Gently release the lamp. The lamp will raise slightly until the locking mechanism in the canopy engages to hold the lamp in position.

Raising the Unit

1. Pull straight down on the lamp slightly to release the locking mechanism. Hold the lamp for support and control as the cord retracts.



Do not let go of lamp while cord is retracting. Damage to unit could occur.

2. Allow the cord to retract fully or stop the lamp at the desired height.
 - To lock the position of the lamp at a new height, pull down on the lamp slightly to re-engage the locking mechanism.

Operating Retractable ‘RC’ and ‘RCT’ Units

RC and RCT mount units are equipped with a retractable cord that allows the lamp height to be adjusted. The retractable cord can extend up to 1165 mm (45-7/8”). **DO NOT** extend the cord past 1165 mm or the retractable cord will jam. Use the following procedures to lower and raise an RC or RCT mount unit.



Damage to retractable cords by pulling too far causing a jam or pulling too hard is NOT covered under warranty.

Lowering the Unit

1. Pull straight down on the lamp to extend the cord until the lamp reaches the desired height.
 - The retractable cord can extend up to 1165 mm (45-7/8”). **DO NOT** extend the cord past 1165 mm or the retractable cord will jam.

Raising the Unit

1. Push straight up on the lamp to shorten the cord until the lamp reaches the desired height.

General

Hatco® Decorative Lamps are designed for maximum durability and performance, with minimum maintenance.



ELECTRIC SHOCK HAZARD:

- Turn OFF power at fused disconnect switch/circuit breaker and allow unit to cool before performing any cleaning, adjustments, or maintenance.
- DO NOT submerge or saturate with water. Unit is not waterproof. Do not operate if unit has been submerged or saturated with water.
- This unit is not “jet-proof” construction. Do not use jet-clean spray to clean this unit.
- Do not steam clean or use excessive water on unit.
- Do not clean unit when it is energized or hot.

This unit has no “user-serviceable” parts. If service is required on this unit, contact an Authorized Hatco Service Agent or contact the Hatco Service Department at +1-414-671-6350.



Clean unit daily to avoid malfunctions and maintain sanitary operation.

Use non-abrasive cleaners and cloths only. Abrasive cleaners and cloths could scratch finish of unit, marring its appearance and making it susceptible to soil accumulation.

Do not use ammonia-based cleaners on unit.

Daily Cleaning

1. Move the I/O (on/off) Switch to the **O** (off) position and allow the unit to cool completely.
2. Wipe down the lamp shade with a clean, soft, water-dampened cloth. Stubborn stains can be removed with a mild, non-abrasive cleanser.

Replacing an Infrared Bulb

Each standard wattage Decorative Lamp (DL) holds one infrared bulb rated at 250 W. Each high wattage Decorative Lamp (DLH) holds one infrared bulb rated at 375 W. If desired, 250 W bulbs also may be used in DLH units.



FIRE HAZARD: Do not install a 375 W bulb into a DL standard watt lamp or a Luminaire unit.

Use only Genuine Hatco Replacement Parts when service is required. Failure to use Genuine Hatco Replacement Parts will void all warranties and may subject operators of the equipment to hazardous electrical voltage, resulting in electrical shock or burn. Genuine Hatco Replacement Parts are specified to operate safely in the environments in which they are used. Some aftermarket or generic replacement parts do not have the characteristics that will allow them to operate safely in Hatco equipment.

1. To replace a bulb, move the I/O (on/off) Switch to the **O** (off) position and allow the bulb to cool completely.
2. Bulbs have a threaded base. Unscrew the bulb from the unit and replace with a new bulb.

NOTE: Refer to the OPTIONS AND ACCESSORIES section for replacement infrared bulbs available from Hatco.



WARNING

This unit must be serviced by qualified personnel only. Service by unqualified personnel may lead to electric shock or burn.



WARNING

ELECTRIC SHOCK HAZARD: Turn OFF power at fused disconnect switch/circuit breaker and allow unit to cool before performing any maintenance, adjustments, or cleaning.

Symptom	Probable Cause	Corrective Action
Unit is not working at all.	Unit not turned on.	Place I/O (on/off) Switch, if equipped, in the I (on) position.
	ON/OFF (I/O) switch is not functioning.	Contact Authorized Service Agent or Hatco for assistance.
	Bulb has burned out.	Replace bulb.
Unit is turned on but there is no light.	No power to unit.	Check circuit breaker and reset as necessary.
	Switch is defective.	Contact Authorized Service Agent or Hatco for assistance.
	Bulb has burned out.	Replace bulb.
Heat is inadequate.	Unit mounted too high above target area.	Lower unit, putting effective heat closer to target.
	Excessive air movement around Decorative Lamp target area.	Restrict or redirect air movement (i.e. air conditioning duct or exhaust fan) away from unit.
	Incorrect bulb wattage.	Verify bulb wattage and replace with the correct wattage bulb. WARNING! DO NOT exceed maximum bulb wattage rating on specification plate.
	Incorrect power supply (low).	Check power supply to unit, making sure it matches rating on the unit. If power supply is incorrect, change to match rating on unit.
Heat is excessive.	Unit mounted too close to target area.	Check to see that installation is within specifications for type/model. Increase mounting height if too close.
	Bulb wattage too high.	Check bulb wattage and replace with lower wattage bulb, if available.
	Voltage supply too high.	Check power supply to unit, making sure it matches rating on unit. If power supply is incorrect, change to match rating.
Control switches burn-out rapidly.	Switches used are not Hatco supplied.	Genuine Hatco components are specified to operate safely and properly in the environment in which they are used. Replace switches with Genuine Hatco Parts if switches are aftermarket or generic.

Troubleshooting Questions?

If you continue to have problems resolving an issue, please contact the nearest Authorized Hatco Service Agency or Hatco for assistance. To locate the nearest Service Agency, log onto the Hatco website at www.hatcocorp.com, select the *Support* pull-down menu, and click on "Find A Service Agent"; or contact the **Hatco Parts and Service Team** at:

Telephone: +1-414-671-6350

e-mail: support@hatcocorp.com

Infrared Bulbs

The following infrared bulbs are available for use in Hatco Decorative Lamps.

DL (standard wattage)

250W, 120V, Red Coated	02.30.068.00
250W, 120V, Clear Coated	02.30.069.00
250W, 120V, Red Uncoated	02.30.070.00
250W, 120V, Clear Uncoated	02.30.071.00
250W, 240V (CE), Clear Coated	02.30.100.00
250W, 240V (CE), Clear Uncoated	02.30.083.00

DLH (high wattage)

375W, 120V, Clear Uncoated	02.30.093.00
375W, 120V, Clear Coated	02.30.097.00

DL (Luminaire)

60W, 120V, Clear Coated	02.30.043.00
60W, 240V, Clear Coated	02.30.058.00

Track Bar Mount

Track Bar Mounts are available for track mount units (CT, ST, and RT mounting style) and can be ordered in 1219 mm (4'), 2438 mm (8'), 3658 mm (12'), or 4877 mm (16') track lengths. The color options are black or white. The track bar can be cut down in the field.

NOTE: A maximum of nine 200 W Luminaire units, seven 250 W heat lamp units, or five 375 W heat lamp units may be installed per each 120 V, 20 A track bar circuit. The Installer is responsible for properly sizing the supply circuit with the lamp load.

NOTE: Non-track mount units cannot be retrofitted to become track mount units.

SERVICE INFORMATION

The warranty on this Hatco unit is for one year from date of purchase or eighteen months from date of shipping from Hatco, whichever occurs first.

If you experience a problem with this unit during the warranty period, please do the following:

Contact Local Hatco Dealer

When contacting the Hatco dealer for service assistance, please supply the dealer with the following information to ensure prompt processing:

- Model of unit
- Serial number (located on the unit)
- Specific problem with the unit
- Date of purchase
- Name of business
- Shipping address
- Contact name and phone number

The Hatco dealer will do the following:

- Provide replacement part(s) as required
- Submit warranty claim to Hatco for processing

Non-Warranty Problems

If you experience a non-warranty problem that requires assistance, please contact the nearest Authorized Hatco Service Agency.

To locate the nearest Service Agency:

- access our website at www.hatcocorp.com, select the *Support* pull-down menu, and click on "Find Service Agent"
- call Hatco Service at +1-414-671-6350
- e-mail Hatco Service at: support@hatcocorp.com

WARRANTY, EXCLUSIVE REMEDY:

Hatco Corporation (Seller) warrants that the products it manufactures (Products) will be free from defects in materials and workmanship under normal use and service and when stored, maintained, and installed in strict accordance with factory recommendations. Seller's sole obligation to the person or entity buying the Products directly from Seller (Customer) under this warranty is the repair or replacement by Seller or a Seller-authorized service agency, at Seller's option, of any Product or any part thereof deemed defective upon Seller's examination, for a period of: (i) the Warranty Duration from the date of shipment by Seller or (ii) the Warranty Duration from the date of Product registration in accordance with Seller's written instructions, whichever is later. The "Warranty Duration" shall mean a period of eighteen months (18) months, or the periods set forth below for specific Product components. Credit for Products or parts returned with the prior written permission of Seller will be subject to the terms shown on Seller's material return authorization form. PRODUCTS OR PARTS RETURNED WITHOUT PRIOR WRITTEN PERMISSION OF SELLER WILL NOT BE ACCEPTED FOR CREDIT. Expenses incurred by Customer in returning, replacing or removing the Products will not be reimbursed by Seller. If the defect comes under the terms of the limited warranty, the Products will be repaired or replaced and returned to the Customer and the cost of return freight will be paid by Seller. The remedy of repair or replacement provided for herein is Customer's exclusive remedy. Any improper use, alteration, repairs, tampering, misapplication, improper installation, application of improper voltage, or any other action or inaction by Customer or others (including the use of any unauthorized service agency) that in Seller's sole judgment adversely affects the Product shall void this warranty. The warranty expressly provided herein may only be asserted by Customer and may not be asserted by Customer's customers or other users of the Products; provided, however, that if Customer is an authorized equipment dealer of Seller, Customer may assign the warranty herein to Customer's customers, subject to all of the limitations of these Terms, and in such case, the warranty shall be exclusively controlled by Seller in accordance with these Terms. THIS LIMITED WARRANTY IS EXCLUSIVE AND IS IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF NONINFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED.

Two (2) Year Parts Warranty:

- Conveyor Toaster Elements (metal sheathed)
- Drawer Warmer Elements (metal sheathed)
- Drawer Warmer Drawer Rollers and Slides
- Food Warmer Elements (metal sheathed)
- Display Warmer Elements (metal sheathed air heating)
- Holding Cabinet Elements (metal sheathed air heating)
- Heated Well Elements — HW, HWB, and HWBI Series (metal sheathed)
- Induction Ranges
- Induction Warmers

Five (5) Year Parts Warranty:

- 3CS and FR Tanks

Ten (10) Year Parts Warranty:

- Electric Booster Heater Tanks
- Gas Booster Heater Tanks

Ninety (90) Day Parts-Only Warranty:

- Replacement Parts

Notwithstanding anything herein to the contrary, the limited warranty herein will not cover components in Seller's sole discretion such as, but not limited to, the following: coated incandescent light bulbs, fluorescent lights, heat lamp bulbs, coated halogen light bulbs, halogen heat lamp bulbs, xenon light bulbs, LED light tubes, glass components, and fuses; Product failure in booster tank, fin tube heat exchanger, or other water heating equipment caused by liming, sediment buildup, chemical attack, or freezing.

WARRANTY REGISTRATION INSTRUCTIONS:

Product registration must be submitted within 90 days from the date of shipment from our factory to qualify for additional coverage. Registration may be submitted through the form on Seller's website, through the form accessible through the QR code on the Product (where available), or by calling Customer Service with the required information at: **+1-414-671-6350**.

LIMITATION OF LIABILITY:

SELLER WILL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL, PUNITIVE, EXEMPLARY, OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION ANY LOST PROFITS, COSTS OF SUBSTITUTE PRODUCTS, OR LABOR COSTS ARISING FROM THE SALE, USE, OR INSTALLATION OF THE PRODUCTS, FROM THE PRODUCTS BEING INCORPORATED INTO OR BECOMING A COMPONENT OF ANOTHER PRODUCT, OR FROM ANY OTHER CAUSE WHATSOEVER, WHETHER BASED ON WARRANTY (EXPRESSED OR IMPLIED) OR OTHERWISE BASED ON CONTRACT, TORT, OR ANY OTHER THEORY OF LIABILITY, AND REGARDLESS OF ANY ADVICE OR REPRESENTATIONS THAT MAY HAVE BEEN RENDERED BY SELLER CONCERNING THE SALE, USE, OR INSTALLATION OF THE PRODUCTS, EVEN IF SELLER IS AWARE OF THE POSSIBILITY OF SUCH DAMAGES. IN NO EVENT WILL SELLER'S AGGREGATE LIABILITY ARISING OUT OF OR RELATED TO THIS AGREEMENT EXCEED THE TOTAL AMOUNTS PAID TO SELLER BY CUSTOMER FOR THE PRODUCTS WITHIN THE THREE (3) MONTH PERIOD IMMEDIATELY PRECEDING THE EVENT GIVING RISE TO CUSTOMER'S CLAIM. THE LIMITATIONS SET FORTH HEREIN REGARDING SELLER'S LIABILITY SHALL BE VALID AND ENFORCEABLE NOTWITHSTANDING A FAILURE OF ESSENTIAL PURPOSE OF THE LIMITED REMEDY SPECIFIED IN THESE TERMS.

Seller reserves the right to update these Terms at any time, at its sole discretion, which become binding upon the date of publishing. For the most current version of our full Terms of Sale, see our website at: <https://www.hatcocorp.com/terms-of-sale>

GB Symbol Identification



Safety Alert



Read Operator's Manual



Caution — Hot Surface



Power ON



Power OFF



Standby



Protective Earth Ground



Earth Ground



Equipotential Ground



Alternating Current



Phase



Water Fill, Low Water



Humidity Cycle

