



# GLOMAX<sup>®</sup>

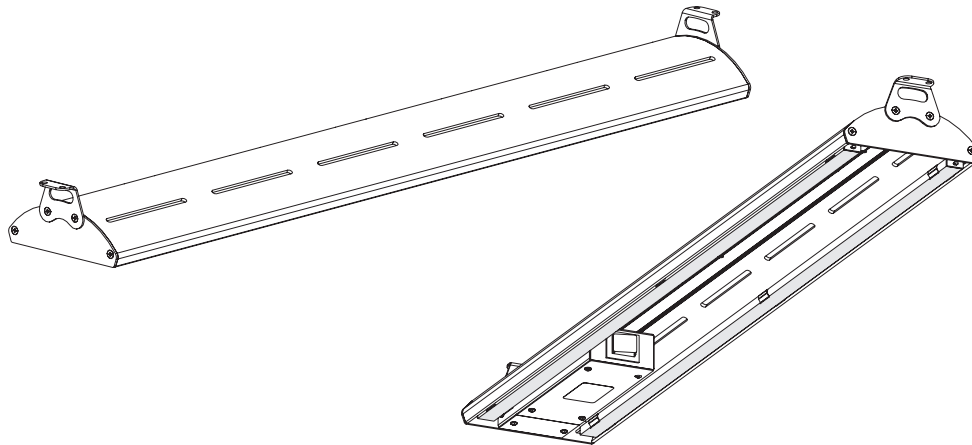
## Curved Display Light

### 弧形照明灯

### HLC5 Series/系列

## Installation and Operating Manual

### 安装及操作手册



#### **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.

English = p 2

#### **警告**

请在 认真阅读并理解本手册的内容后再操作本设备！不按照本手册中的说明操作可能会导致严重的人身伤亡事故。本手册中包含了有关本产品维护、使用和操作的重要安全事项。如果您不理解本手册的内容，请将本手册交给主管人员，以提请注意。请将本手册妥善放置，以便参照。

中文 = 第 11 页

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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 on the underside of the unit). Please have this information available when calling Hatco for service assistance.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Voltage \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Business

Hours: 9:00 AM to 6:00 PM (Beijing Time)  
Monday through Friday

Telephone: (0512) 6732-5091

E-mail: [infocn@hatcocorp.com](mailto:infocn@hatcocorp.com)

Additional information can be found by visiting our web site at  
[www.hatcocorp.com](http://www.hatcocorp.com)

## INTRODUCTION

Hatco GLOMAX® Curved Display Lights provide effective and stylish lighting for non-critical food holding and display areas. The sleek, curved design minimizes the display light size while accenting the food product below.

GLOMAX Curved Display Lights are products 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 GLOMAX Curved Display Lights. 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:**

- Units require a hardwired connection to on-site electrical system. Connection must be properly grounded and of correct voltage, size, and configuration for electrical specifications of unit. Contact a qualified electrician to determine and install proper electrical connection.
- 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 switch and disconnect unit from power source 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.
- This unit must be serviced by qualified personnel only. Service by unqualified personnel may lead to electric shock or burn.
- 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 after-market or generic replacement parts do not have the characteristics that will allow them to operate safely in Hatco equipment.

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.

**WARNING**

Use only Hatco-approved LED light assemblies that are designed specifically for food holding areas. Using LED light assemblies not designed for food holding areas could result in personal injury and/or food contamination.

This unit has no “user-serviceable” parts. If service is required on this unit, contact an Authorized Hatco Service Agent or contact Hatco at (0512) 6732-5091.

**CAUTION**

To ensure safe and proper operation, refer to “Installation Site Requirements” in the INSTALLATION section of this manual.

**NOTICE**

Units are voltage-specific. Refer to specification label for electrical requirements before beginning installation.

This unit is suitable for installation in damp locations. Do not install above steam table or steam generating appliances.

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

Clean unit daily to avoid malfunctions and maintain sanitary operation.

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

## MODEL DESCRIPTION

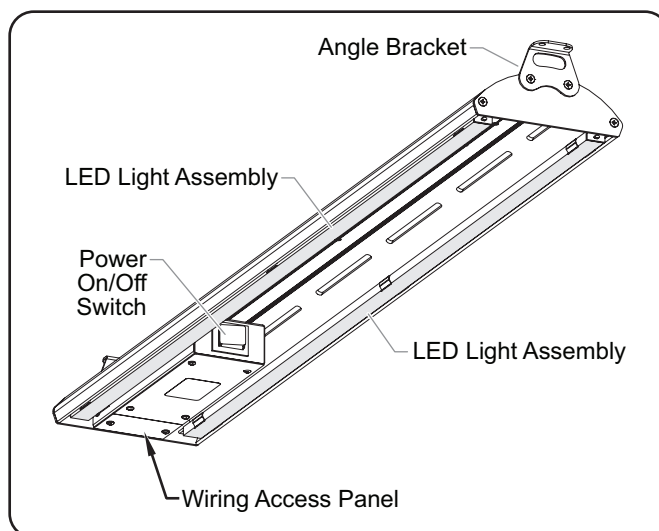
GB

### All Models

All GLOMAX® Curved Display Lights consist of a curved, aluminum housing that is ideal for installation in tight spaces. LED light assemblies provide display lighting to accent food product below. A Power On/Off switch is located on the underside of the unit.

Curved Display Lights are available in widths of 762–1982 mm (30"–78") and are supplied with angle brackets for under-shelf mounting. LED light strip color output is a neutral white light (4100K). Finish options include clear anodized or black anodized. Units come standard with 1524 mm (60") wire leads.

**NOTE:** Refer to the OPTIONS AND ACCESSORIES section for countertop mounting options.



HLC5 Series Curved Display Light

## MODEL DESIGNATION

GLOMAX Curved Display Light,        **H L C 5 - xx**        Width (in inches)  
Aluminum Housing

## Electrical Rating Chart

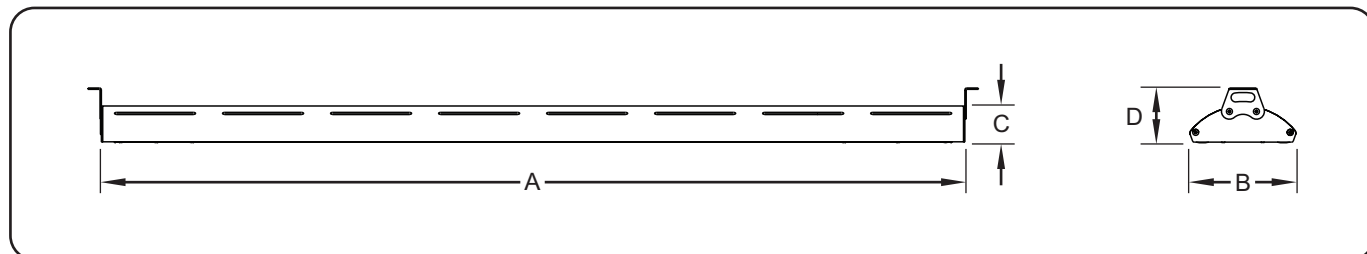
Model	Voltage	Watts	Amps	Plug Configuration	Shipping Weight
HLC5-30	220	12	0.05	Hardwired	4 kg (9 lbs.)
	230				
	240	13			
HLC5-36	220	13	0.06	Hardwired	6 kg (12 lbs.)
	230	14			
	240				
HLC5-42	220	14	0.06	Hardwired	6 kg (13 lbs.)
	230	15	0.07		
	240	16			
HLC5-48	220	16	0.07	Hardwired	6 kg (14 lbs.)
	230				
	240	17			
HLC5-54	220	18	0.08	Hardwired	7 kg (15 lbs.)
	230				
	240				
HLC5-66	220	21	0.10	Hardwired	8 kg (17 lbs.)
	230		0.09		
	240				
HLC5-78	220	23	0.10	Hardwired	8 kg (18 lbs.)
	230	24			
	240				

NOTE: Shipping weights shown are estimates.

NOTE : Specification label located on the side of the unit. See label for serial number and verification of unit electrical information.

## Dimensions

Model	Width (A)	Depth (B)	Unit Height (C)	Overall Height (D)
HLC5	762–1982 mm (30"–78")	150 mm (6")	50 mm (2")	75 mm (3")



## General

Use the information in this section to install a GLOMAX® Curved Display Light. Display lights are shipped with most components pre-assembled.

### WARNING

#### ELECTRIC SHOCK HAZARD:

- Units require a hardwired connection to on-site electrical system. Connection must be properly grounded and of correct voltage, size, and configuration for electrical specifications of unit. Contact a qualified electrician to determine and install proper electrical connection.
- 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.

### CAUTION

To ensure safe and proper operation, refer to “Installation Site Requirements” in the INSTALLATION section of this manual.

### NOTICE

Units are voltage-specific. Refer to specification label for electrical requirements before beginning installation.

This unit is suitable for installation in damp locations. Do not install above steam table or steam generating appliances.

1. Remove the unit from the shipping carton, and remove all packing materials.

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

2. Remove tape and protective packaging from all surfaces of the unit.

*NOTE: For units equipped with tubular stands, refer to the OPTIONS AND ACCESSORIES section for installation details.*

3. Install the unit in an appropriate location. Refer to the “Installing the Unit” procedure in this section.

## Installing the Unit

Use the following procedure to install the unit using the supplied angle brackets and screws.

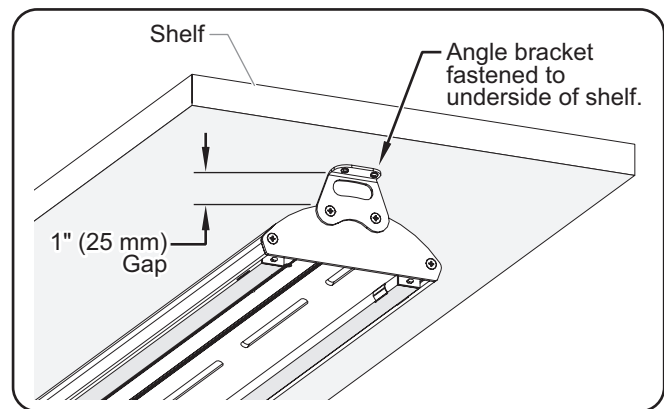
*NOTE: Refer to the OPTIONS AND ACCESSORIES section for countertop mounting options.*

*NOTE: Units can be ordered with up to 3 m (10') of wire leads.*

1. Determine the exact mounting location on the underside of a wood or metal shelf.

*NOTE: The attached angle brackets provide 25 mm (1") clearance between the unit and an overshell.*

2. Fasten the angle brackets to the underside of the shelf using the supplied mounting screws (not supplied by Hatco). Make sure the unit is facing the desired direction with the wire leads on the proper side before fastening the unit to the shelf.



Flat Shelf Installation

3. Have a qualified electrician perform the necessary electrical connections to the on-site electrical system.

## General

GLOMAX Curved Display Lights are designed for ease of operation. Use the following information and procedures to operate the unit.

### **⚠ WARNING**

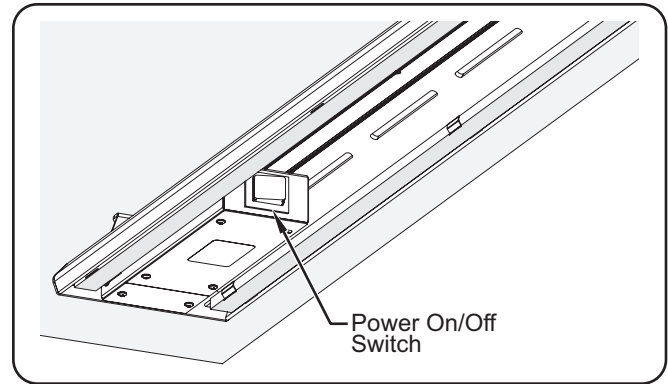
Read all safety messages in the **IMPORTANT SAFETY INFORMATION** section before operating this equipment.

## Startup

1. Move the Power On/Off switch to the "On" position.
  - The LED light assemblies will illuminate.

## Shutdown

1. Move the Power On/Off switch to the "Off" position.
2. Perform the "Daily Cleaning" procedure in the MAINTENANCE section of this manual.



HLC5 Series Power On/Off Switch

## MAINTENANCE

## General

GLOMAX Curved Display Lights are designed for maximum durability and performance with minimum maintenance.

### **⚠ WARNING**

#### **ELECTRIC SHOCK HAZARD:**

- Turn OFF power switch and disconnect unit from power source 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.
- 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 after-market or generic replacement parts do not have the characteristics that will allow them to operate safely in Hatco equipment.

This unit has no "user-serviceable" parts. If service is required on this unit, contact an Authorized Hatco Service Agent or contact Hatco at (0512) 6732-5091.

Use only Hatco-approved LED light assemblies that are designed specifically for food holding areas. Using LED light assemblies not designed for food holding areas could result in personal injury and/or food contamination.

## Daily Cleaning

To preserve the finish of the display light, it is recommended that all surfaces be cleaned daily.

### **NOTICE**

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

1. Turn off the unit and allow the unit to cool.
2. Wipe down all metal surfaces with a water-dampened, non-abrasive cloth. Stubborn stains may be removed with a good stainless steel or non-abrasive cleaner. Clean hard to reach areas using a small brush and mild soap.
3. Wipe dry the entire unit using a non-abrasive, dry cloth.

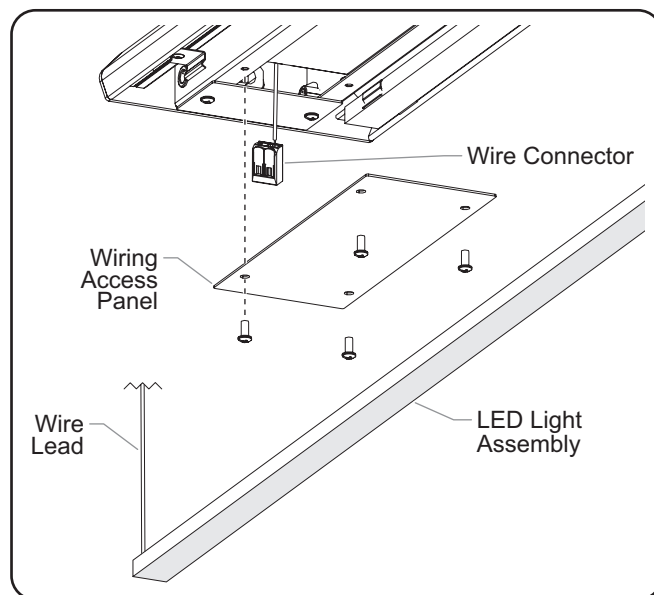
## Replacing an LED Light Assembly

GLOMAX® Curved Display Lights have two LED light assemblies that illuminate the area below. These LED light assemblies have special covers to guard against injury and food contamination in the event of breakage.

To replace an LED light assembly:

1. Turn off the unit, allow the unit to cool, and disconnect the power supply at the circuit breaker.
2. Unscrew the wiring access panel screws to remove the wiring access panel.
3. Disconnect the LED wire lead connectors.
4. Release and remove the LED light assembly from the retaining clips.
  - At each retaining clip location, grasp the inside edge of the light assembly, and carefully pull the assembly down and out of the clip.
5. Position the new LED light assembly in the unit, and carefully snap it into each retaining clip.
6. Connect the new LED light assembly wire leads to the wire connectors.
7. Tuck the LED wire leads neatly up into the space between the light assembly and the LED control box.
8. Re-install the wiring access panel using the screws.

**NOTE:** Hatco LED light assemblies meet standards for food holding and display areas. For replacement LED light assemblies part numbers, refer to the HLC5 Series Replacement Parts List on the Hatco website ([www.hatcocorp.com](http://www.hatcocorp.com)).



Replacing an LED Light Assembly

## TROUBLESHOOTING GUIDE

### ⚠ 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 switch and disconnect unit from power source before performing any cleaning, adjustments, or maintenance.

Symptom	Probable Cause	Corrective Action
Unit is turned "On" but there is no light.	No power to unit.	Check circuit breaker/power cord and reset/plug in, if necessary.
	LED light assembly is defective.	Replace LED light assembly. Refer to procedure in MAINTENANCE section.
	Switch is defective.	Contact Authorized Service Agent or Hatco for assistance.
	Wiring is open.	
Light is inadequate.	Unit mounted too high above target area.	Lower unit, putting effective light closer to target.
	LED light assembly defective.	Replace LED light assembly. Refer to procedure in MAINTENANCE section.
	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.

### 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](http://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: (0512) 6732-5091**

**e-mail: [infocn@hatcocorp.com](mailto:infocn@hatcocorp.com)**



### Non-Adjustable Stands

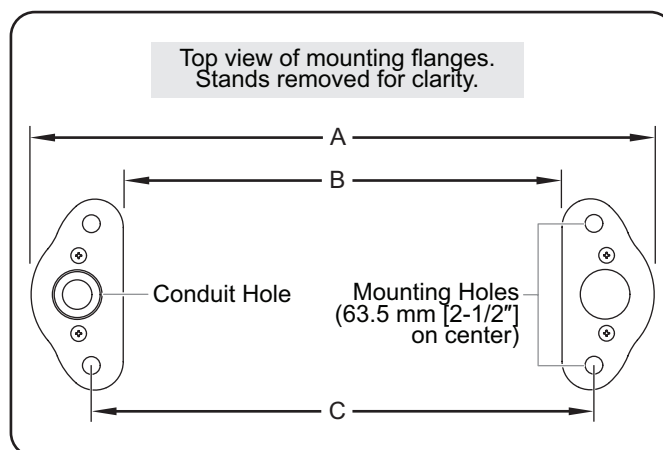
Aluminum, non-adjustable stands are available as an option for permanent mounting to a countertop. They are available in heights of 409 mm (16").

1. Determine the exact mounting location.
2. Prepare the location of each stand mounting flange on the mounting surface. It is recommended to use the included template for best results.
  - a. Lay the included template on the countertop in the mounting location for accurate mounting hole and conduit hole locations. Use the "Stand Mounting Measurements" table and the illustration for mounting dimensions, if the template is not available.
  - b. Verify which stand will have the conduit passing through it and the mounting surface. Re-orient the included template, if necessary.
  - c. If necessary, remove the backing from the template and carefully lay the template onto the mounting surface at its appropriate position.
  - d. Drill holes through the appropriate locations on the template based on the unit size.
  - e. Remove the template from the countertop, if necessary.
3. Feed the conduit from the unit through the appropriate holes, and position the unit on the mounting surface.
4. Fasten the stands to the mounting surface using appropriate fasteners (not supplied by Hatco). Each mounting flange has two mounting hole locations.
5. Have a qualified electrician perform the necessary electrical connections to the on-site electrical system

**NOTE:** Mounting hole size will be determined by fastener size.

### Stand Mounting Measurements — NTL16

Model	Outside Flange (A)	Inside Flange (B)	Mounting Holes (C)
HLC5-30	746 mm (29-3/8")	664 mm (26-1/8")	690 mm (27-3/16")
HLC5-36	899 mm (35-3/8")	816 mm (32-1/8")	843 mm (33-3/16")
HLC5-42	1051 mm (41-3/8")	969 mm (38-1/8")	995 mm (39-3/16")
HLC5-48	1204 mm (47-3/8")	1121 mm (44-1/8")	1148 mm (45-3/16")
HLC5-54	1356 mm (53-3/8")	1273 mm (50-1/8")	1300 mm (51-3/16")
HLC5-66	1661 mm (65-3/8")	1578 mm (62-1/8")	1605 mm (63-3/16")
HLC5-78	1966 mm (77-3/8")	1883 mm (74-1/8")	1910 mm (75-3/16")



## 1. PRODUCT WARRANTY

Hatco warrants the products that it manufactures (the "Products") to be free from defects in materials and workmanship, under normal use and service, for a period of one (1) year from the date of purchase when installed and maintained in accordance with Hatco's written instructions or 18 months from the date of shipment from Hatco. Buyer must establish the Product's purchase date by registering the Product with Hatco or by other means satisfactory to Hatco in its sole discretion.

Hatco warrants the following Product components to be free from defects in materials and workmanship from the date of purchase (subject to the foregoing conditions) for the period(s) of time and on the conditions listed below:

### a) Two (2) Year Parts Warranty:

Conveyor Toaster Elements (metal sheathed)  
Drawer Warmer Elements (metal sheathed)  
Drawer Warmer Drawer Rollers and Slides  
Strip Heater Elements (metal sheathed)  
Display Warmer Elements (metal sheathed air heating)  
Holding Cabinet Elements (metal sheathed air heating)  
Heated Well Elements — HW and HWB Series (metal sheathed)

### b) Five (5) Year Parts Warranty:

3CS and FR Tanks

### c) Ten (10) Year Parts Warranty:

Electric Booster Heater Tanks  
Gas Booster Heater Tanks

### d) Ninety (90) Day Parts Warranty:

Replacement Parts

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT INFRINGEMENT. Without limiting the generality of the foregoing, SUCH WARRANTIES DO NOT COVER: 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; or Product misuse, tampering or misapplication, improper installation, or application of improper voltage.

## 2. LIMITATION OF REMEDIES AND DAMAGES

Hatco's liability and Buyer's exclusive remedy hereunder will be limited solely to replacement of part or Product using, at Hatco's option, new or refurbished parts or Product by Hatco or a Hatco-authorized service agency with respect to any claim made within the applicable warranty period referred to above. Hatco reserves the right to accept or reject any such claim in whole or in part. In the context of this Limited Warranty, "refurbished" means a part or Product that has been returned to its original specifications by Hatco or a Hatco-authorized service agency. Hatco will not accept the return of any Product without prior written approval from Hatco, and all such approved returns shall be made at Buyer's sole expense. HATCO WILL NOT BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING BUT NOT LIMITED TO LABOR COSTS OR LOST PROFITS RESULTING FROM THE USE OF OR INABILITY TO USE THE PRODUCTS OR FROM THE PRODUCTS BEING INCORPORATED IN OR BECOMING A COMPONENT OF ANY OTHER PRODUCT OR GOODS.

## 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 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:

- call Hatco at (0512) 6732-5091
- e-mail Hatco at [infocn@hatcocorp.com](mailto:infocn@hatcocorp.com)

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## 使用者重要注意事项

请在下列空白处记下本设备的型号、序列号、电压和购买日期（规格标签位于设备底面）。在致电 Hatco 寻求服务帮助时，请提供上述信息。

型号 \_\_\_\_\_

序列号 \_\_\_\_\_

电压 \_\_\_\_\_

购买日期 \_\_\_\_\_

工作时间：北京时间 上午 9:00 – 下午 6:00 周一至周五

电话： (0512) 6732-5091

E-mail: infocn@hatcocorp.com

查询更多信息请访问我们的网站：[www.hatcocorp.com](http://www.hatcocorp.com)

## 简介

Hatco GLOMAX® 弧形照明灯为非关键食品保存和陈列区域提供美观且有效的照明。时尚的弯曲设计可最大限度降低展示灯的尺寸，同时照射下方的食品。

GLOMAX 弧形照明灯是经过大量研究和实地测试考验的产品。所用材料经久耐用，外型美观，性能优异。每件设备在发货前都经过严格的检验和测试。

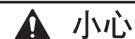
本手册包含 GLOMAX 弧形照明灯的安装、安全和操作说明。在安装或操作设备之前，Hatco 建议您先阅读本手册中的所有安装、操作和安全说明。

本手册中的安全信息采用以下标志表示：



**警告**

“警告”表示有危险情况，如果不加以避免，则可能导致人身伤亡。



**小心**

“小心”表示有危险情况，如果不加以避免，则可能导致轻度或中度人身伤害。

**注意**

“注意”用于提示不会涉及人身伤害的操作。

注意：请参阅本手册封底上的符号标识表，了解本手册中可能出现的符号的定义。



使用本设备前，请仔细阅读下列重要安全事项，以免造成严重的人身伤亡及设备或财产的损坏。



## 警告

### 触电危险：

- 设备需要硬连线到现场的电路系统。连接电源时必须妥当接地，并且符合设备电气规格中的正确电压、规格和配置。联系有资质的电工，以确定并执行正确的电气连接。
- 设备必须由有资质的电工安装。安装时必须遵循所有的当地电气规程。若由不具备相应资质的人员安装，则可能引起触电或着火，以及设备和/或其周围环境的损毁。
- 进行任何清洁、调整或维护之前，请先关闭电源开关并断开设备的电源。
- 请勿将设备浸入水中或浸湿。本设备不防水。严禁使用被水浸过或浸湿的设备。
- 本设备不具备防喷淋结构。请勿使用喷淋头清洁本设备。
- 请勿用蒸汽或使用过多的水清洁设备。
- 该设备必须只由合格人员进行操作。无资格人员操作可能会导致触电或灼伤。
- 维修时只能使用正品HATCO更换零部件。未使用正品HATCO更换零部件会导致质保失效及造成设备操作人员受到有害电压威胁，并引起触电或着火。正品HATCO更换零部件可以保证使用环境下的安全生产，某些普通零部件不具备相关特性，从而无法保证在HATCO设备的安全使用。

确保所有操作人员接到有关安全和正确使用设备的指示。

对于身体、感官或智力上有缺陷，或经验和知识有欠缺的人（包括儿童），此说明书不适用。



## 警告

仅使用 Hatco 批准的专为食品存放区域设计的 LED 灯组件。使用并非设计用于食品存放区域的 LED 灯组件可能导致人身伤害和/或食品污染。

本设备不含“用户维修”零部件。如需维修，请联系HATCO授权服务机构或HATCO服务部门，电话 (0512) 6732-5091。



## 小心

若要确保安全和正确运行，请参阅本手册“安装”部分中的“安装位置要求”。

## 注意

设备需要使用特定电压。在开始安装之前，请参考规范标签的供电需求。

本设备适合安装在潮湿位置。不得安装在蒸汽柜或产生蒸汽的电器上方。

只允许使用没有摩擦性的清洁剂和布。具有摩擦性的清洁剂和布可能会刮伤设备的表面处理层，破坏其外观，并易使表面积尘。

设备需要每日清洁，以免出现故障，操作时请保持卫生。

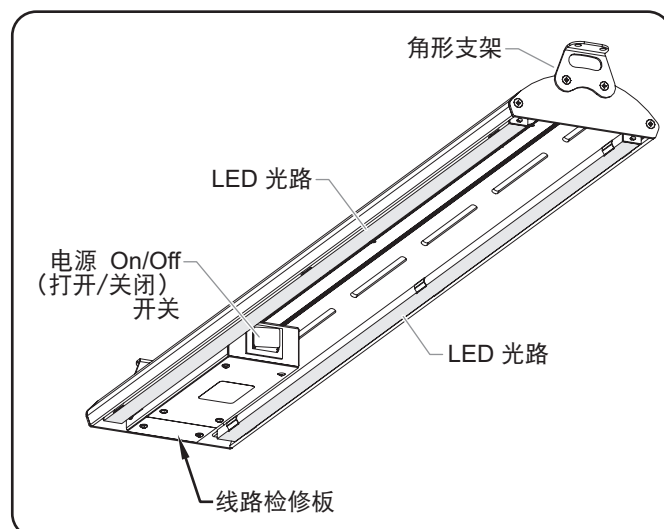
本设备仅用于商业用途，不供家庭使用。

## 所有型号

所有 GLOMAX® 弧形照明灯均由适于在窄小空间安装的弧形铝外壳组成。双 LED 光路展示灯照射下方食品。电源 On/Off (打开/关闭) 开关位于设备底面。

弧形照明灯有 762–1982 mm (30"–78") 的宽度可供选择，并随附用于在架子下面安装的角形支架。长条形 LED 展示灯色温输出为中性白光 (4100K)。表面处理选择包括本色阳极氧化和黑色阳极氧化。设备标配 1524 mm (60") 导线。

注意：请参阅“选件及附件”部分了解工作台面安装选件。



HLC5 系列弧形照明灯

## 型号命名

GLOMAX 弧形照明灯 (铝外壳) HLC5 - xx 宽度 (英寸)

电气参数表

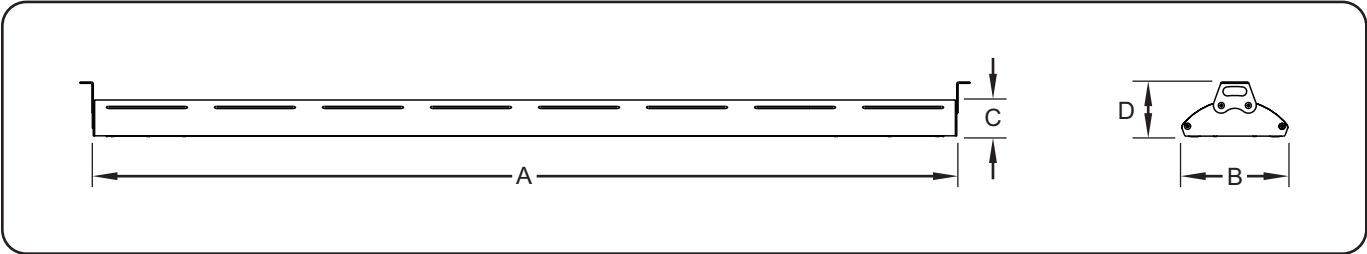
型号	电压	功率	电流	插头型式	出厂重量
HLC5-30	220	12	0.05	硬连线	4 kg (9 磅)
	230				
	240	13			
HLC5-36	220	13	0.06	硬连线	6 kg (12 磅)
	230	14			
	240				
HLC5-42	220	14	0.06	硬连线	6 kg (13 磅)
	230	15	0.07		
	240	16			
HLC5-48	220	16	0.07	硬连线	6 kg (14 磅)
	230				
	240	17			
HLC5-54	220	18	0.08	硬连线	7 kg (15 磅)
	230				
	240				
HLC5-66	220	21	0.10	硬连线	8 kg (17 磅)
	230		0.09		
	240				
HLC5-78	220	23	0.10	硬连线	8 kg (18 磅)
	230	24			
	240				

注意： 所示出厂重量为估计值。

注意： 规格标签位于设备一侧。 请查看标签，以获取序列号并核实设备的电气信息。

尺寸

型号	宽度 (A)	深度 (B)	设备高度 (C)	整体高度 (D)
HLC5	762–1982 mm (30"–78")	150 mm (6")	50 mm (2")	75 mm (3")



## 总则

使用本部分中的信息安装 GLOMAX® 弧形照明灯。展示灯发货时尽可能进行了组件预安装。

### 警告

#### 触电危险：

- 设备需要硬连线到现场的电路系统。连接电源时必须妥当接地，并且符合设备电气规格中的正确电压、规格和配置。联系有资质的电工，以确定并执行正确的电气连接。
- 设备必须由有资质的电工安装。安装时必须遵循所有的当地电气规程。若由不具备相应资质的人员安装，则可能引起触电或着火，以及设备和/或其周围环境的损毁。

### 小心

若要确保安全和正确运行，请参阅本手册“安装”部分中的“安装位置要求”。

### 注意

设备需要使用特定电压。在开始安装之前，请参考规范标签的供电需求。

本设备适合安装在潮湿位置。不得安装在蒸汽柜或产生蒸汽的电器上方。

1. 从发货箱取出设备，并取下所有包装材料。

注意：为防止延误保修，请完成在线保修登记。请参阅“物主重要信息”部分了解详细信息。

2. 去除设备所有表面的胶带及保护性包装。

注意：对于配备管状支架的设备，请参阅“选件及附件”部分了解安装详细信息。

3. 将设备安装到适当位置。请参阅本部分中的“安装设备”程序。

## 安装设备

使用下列程序，利用随附的角形托架和螺丝安装设备。

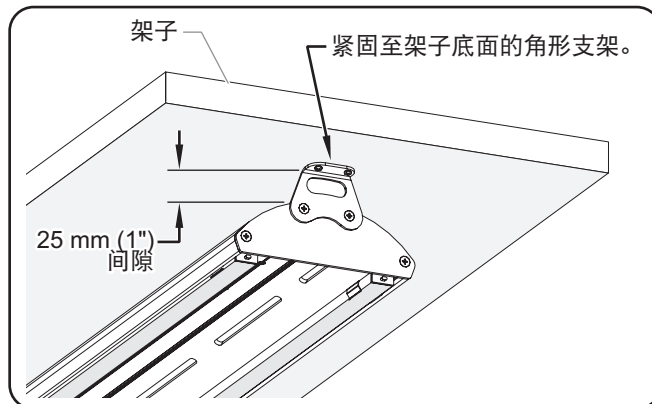
注意：请参阅“选件及附件”部分了解工作台面安装选件。

注意：订购设备时原装导线长度为1524mm（60”）。

1. 确定在木头或金属架子底面上的准确安装位置。

注意：随附的角形托架在设备和顶部架子之间提供 25 mm (1") 的间隙。

2. 使用附带的安装螺丝 (#12-14 x 3/4")，将角形托架紧固到架子的底面。在将设备紧固到架子上之前，确保设备朝向所需方向，导线位于正确一侧。



平面架子安装

3. 让有资质的电工完成与现场电气系统的必要电气连接。



## 总则

GLOMAX® 弧形照明灯的设计便于操作。请按照以下信息和程序来操作。

### 警告

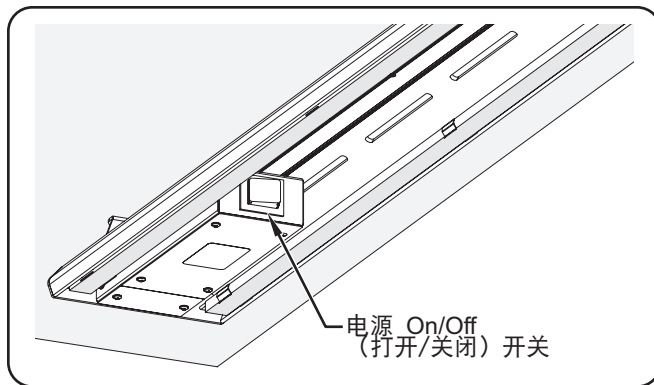
操作本设备之前请仔细阅读重要安全信息章节的所有安全提示。

## 启动

1. 将电源 On/Off（打开/关闭）开关切换至打开位置。
  - LED 光路将亮起。

## 关机

1. 将电源 On/Off（打开/关闭）开关切换至关闭位置。
2. 执行本手册“维护”部分中的“每日清洁”程序。



HLC5 系列电源 On/Off（打开/关闭）开关

# 维护

## 总则

GLOMAX 弧形照明灯的设计经久耐用、性能优异且易于维护。

### 警告

#### 触电危险：

- 进行任何清洁、调整或维护之前，请先关闭电源开关并断开设备的电源。
- 请勿将设备浸入水中或浸湿。本设备不防水。严禁使用被水浸过或浸湿的设备。
- 本设备不具备防喷淋结构。请勿使用喷淋头清洁本设备。
- 请勿用蒸汽或使用过多的水清洁设备。
- 维修时只能使用正品 Hatco 更换零部件。未使用正品 Hatco 更换零部件会导致质保失效，使设备操作人员受到有害电压威胁，并引起触电或着火。正品 Hatco 更换零部件可以保证使用环境下的安全运行。某些售后件或通用更换零部件不具备可在 Hatco 设备中安全工作的特性。

本设备不含“用户维修”零部件。如果需要维修，请联系 Hatco 授权服务代理或 Hatco，电话 (0512) 6732-5091。

仅使用 Hatco 批准的专为食品存放区域设计的 LED 灯组件。使用并非设计用于食品存放区域的 LED 灯组件可能导致人身伤害和/或食品污染。

## 每日清洁

为保护展示灯的抛光表面，建议每天清洁所有表面。

### 注意

只允许使用没有摩擦性的清洁剂和布。具有摩擦性的清洁剂和布可能会刮伤设备的表面处理层，破坏其外观，并易使表面积尘。

1. 关掉设备，令其冷却。
2. 用非研磨的蘸水布擦拭所有金属表面。顽固污渍可使用品质良好的不锈钢或无磨料清洁剂去除。使用小刷子和温和皂清洁双手难以接触到的区域。
3. 使用没有摩擦性的干布擦干整个设备。



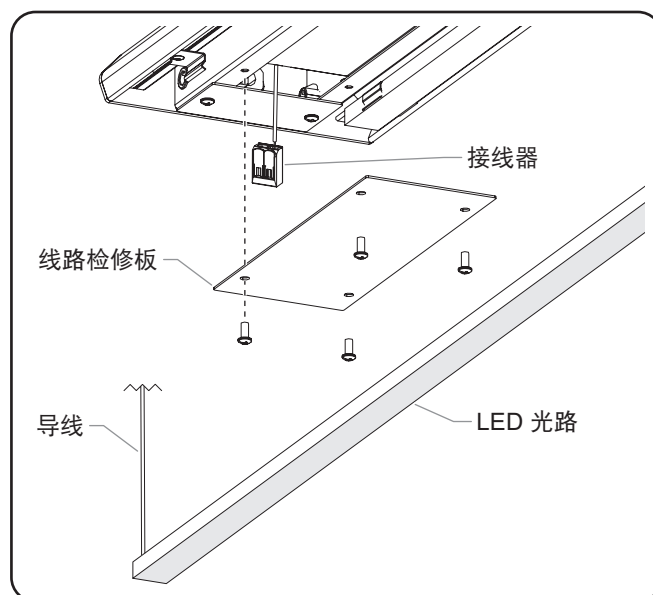
## 更换 LED 光路

GLOMAX 弧形照明灯具具有照亮下方区域的两条 LED 光路。这些光路有特殊覆层可防止人员受伤，并能在发生破损时防止食品污染。

要更换 LED 光路，请执行以下操作：

1. 关闭设备并让设备冷却，然后断开断路器电源。
2. 拧开线路检修板螺丝，取下线路检修板。
3. 断开 LED 导线连接器。
4. 从固定卡子上松开并拆下 LED 光路。
  - 在每个固定卡子位置，抓住光路的内边缘，小心地将光路向下拉，直至从卡子中拉出。
5. 将新的 LED 光路放置在设备中，并小心地将其卡入每个固定卡子中。
6. 将新的 LED 光路导线连接到接线器。
7. 将 LED 导线整齐地塞进光路与 LED 控制盒之间空隙。
8. 使用螺丝重新安装线路检修板。

注意：Hatco 的 LED 光路符合食品存放和陈列区域标准。要更换 LED 光路零件号，请参阅 Hatco 网站上的 HLC5 系列更换零部件列表 ([www.hatcocorp.com](http://www.hatcocorp.com))。



更换 LED 光路

## 故障处理指南

### 警告

本设备只能由受过培训且具备相应资格的人员负责维修。若由不具备相应资格的人员维修，则可能引起触电或着火。

### 警告

触电危险：进行任何清洁、调整或维护之前，请先关闭电源开关并断开设备的电源。

症状	可能原因	纠正措施
设备“打开”，但无灯照。	设备没有通电。	检查断路器/电源线，如有必要则重置/插入。
	LED 光路故障。	更换 LED 光路。请参阅“维护”部分中的程序。
	开关有缺陷。	请联系经过授权的服务代理或 Hatco 以寻求帮助。
	线缆没有接好。	
灯照不足。	设备安装过分高于目标区域。	降低设备的位置，使有效灯照更接近目标。
	LED 光路故障。	更换 LED 光路。请参阅“维护”部分中的程序。
	电源有误（电压低）。	检查设备电源，确保其匹配。如果电源不正确，更换电源以匹配设备。

### 对问题进行故障针对？

如果您的困境在问题解决后仍无法解除，请联系距您最近的经过授权的服务代理或 Hatco 以寻求帮助。请查找最近的服务机构，请登录 Hatco 网站 [www.hatcocorp.com](http://www.hatcocorp.com)，选择 支持 下拉菜单，然后单击“查找服务代理”；或者联系 Hatco 零部件和服务团队：

电话：(0512) 6732-5091

电子邮件：[infocn@hatcocorp.com](mailto:infocn@hatcocorp.com)

不可调节支架

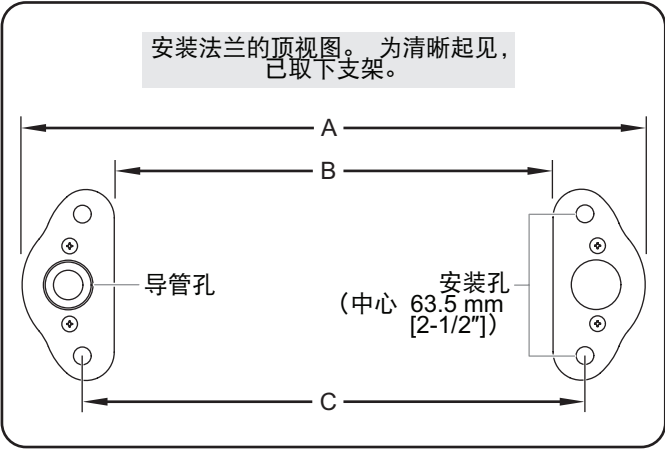
作为工作台面永久安装选项，铝制不可调节支架可供选择。可提供的支架高度为 409 mm (16")。

- 1. 确定具体安装位置。
- 2. 在安装表面上准备每个支架安装法兰的位置。为取得最佳效果，建议使用附带的模板。
  - a. 将附带的模板放在工作台面上的安装位置，以确定安装孔和导管孔位置。如果没有模板，使用“支架安装测量值”表格和图示确定安装尺寸。
  - b. 验证哪个支架将有穿过支架和安装表面的导管。如有必要，调整附带的模板方向。
  - c. 如有必要，在模板背胶纸撕开后可将模板粘在工作台面上的相应位置
  - d. 在模板上的相应位置，根据设备尺寸钻孔。
  - e. 如有必要，从工作台面取下模板。
- 3. 将设备的导管穿过相应的孔，并将设备放在安装表面上。
- 4. 使用适当紧固件（Hatco 不提供）将支架紧固在安装表面上。每个安装法兰都有两个安装孔位置。
- 5. 让有资质的电工完成与现场电气系统的必要电气连接

注意： 安装孔尺寸取决于紧固件尺寸。

支架安装测量值 — NTL16

型号	外部 法兰 (A)	内部 法兰 (B)	安装 孔 (C)
HLC5-30	746 mm (29-3/8")	664 mm (26-1/8")	690 mm (27-3/16")
HLC5-36	899 mm (35-3/8")	816 mm (32-1/8")	843 mm (33-3/16")
HLC5-42	1051 mm (41-3/8")	969 mm (38-1/8")	995 mm (39-3/16")
HLC5-48	1204 mm (47-3/8")	1121 mm (44-1/8")	1148 mm (45-3/16")
HLC5-54	1356 mm (53-3/8")	1273 mm (50-1/8")	1300 mm (51-3/16")
HLC5-66	1661 mm (65-3/8")	1578 mm (62-1/8")	1605 mm (63-3/16")
HLC5-78	1966 mm (77-3/8")	1883 mm (74-1/8")	1910 mm (75-3/16")



## 1. 产品质保

赫高保证其生产的产品（下称“本产品”）不存在材料和工艺缺陷，在按照赫高的说明书安装和维护的情况下，自购买之日起1年内（用户必须书面且保养）或自赫高出厂之日起18个月内，设备可以保证正常工作。客户必须通过在赫高的官网上完成本产品的注册来确定产品的购买日期，或是经由赫高判断进而认可的其他方式。

赫高保证在下述时间内及条件下，下列部件自购买之日起（符合上述条件）起不存在材料和工艺缺陷（条件如下）：

### a) 保修期为两（2）年的部件：

履带式烤面包机加热器（金属铠装）  
保温抽屉加热器（金属铠装）  
保温抽屉的抽屉滚轴和滑轨  
S食品保温器加热器（金属铠装）  
保温陈列柜加热元件（金属铠装、空气加热）  
保温柜加热元件（金属铠装、空气加热）  
保温汤锅加热元件—HWB系列（金属铠装）

### b) 保修期为五（5）年的部件：

3CS和FR水箱

### c) 保修期为十（10）年的部件：

电动瞬时加热器的水箱  
煤气瞬时加热器的水箱

### d) 保修期为九十（90）天的部件：

可更换零件

上述质保为赫高独家提供，并代替任何明示或隐含的质保，包括但不限于侵犯某个特定用途、专利或其他知识产权的适够性或实用性的银汉质保。在没有特定说明的情况下，上述质保不包括：带涂层白炽灯泡、日光灯、保温加热灯泡、带涂层卤素灯泡、卤素加热灯泡、氙气灯泡、LED光管、玻璃组件和保险丝；由于结垢、化学腐蚀或严寒造成的瞬时加热器水箱、翅片管式换热器或其他水加热设备的故障；或产品使用不当、擅自改动或误用、安装不当，或电压不正确。

## 2. 修复和损坏限制

本文所述赫高责任以及对用户的独家修复补偿义务仅限于在上述保修期内提出索赔，由赫高或赫高授权的服务机构负责更换新零件或产品或对原零件或产品进行维修。赫高有权接受或拒绝任何此类全部或部分的索赔。在此有限质保规定中，“翻新”是指本产品的部分或整机已经被赫高或赫高授权的服务代理机构修复至原有的产品规格。未经赫高事先书面批准，赫高不接受任何产品的退回，经过赫高同意的产品退回，其相关费用均由用户独自承担。在任何情况下，对于因故或意外而引起的损失，包括但不限于人工费用，或因产品的使用，或不会用，或产品隶属或成为其他产品的一部分而造成的利润损失，赫高将不予负责。

## 服务信息

此款 Hatco 设备的保修期为自购买之日起 1 年内或 Hatco 发货之日起 18 个月内，以先发生的日期为准。

如果此设备 在保修期内出现问题，请做以下事项：

### 联系当地 Hatco 经销商

在联系 Hatco 经销商寻求服务帮助时，请为经销商提供以下信息，以确保及时处理：

- 设备型号
- 序列号（位于设备）
- 设备具体问题
- 购买日期
- 商业名称
- 邮寄地址
- 联系人姓名和电话号码

Hatco 经销商会做以下事项：

- 按需提供更换零部件
- 向 Hatco 提交保修索赔以供处理

### 非保修问题

如果遇到需要帮助的非保修问题，请联系最近的 Hatco 授权服务代理。

查找最近的服务代理：

- 向 Hatco 致电：(0512) 6732-5091
- 向 Hatco 发送电子邮件：infocn@hatcocorp.com

**GB** Symbol Identification

**CN** 符号标识



**Safety Alert**  
安全警示



**Read Operator's Manual**  
阅读操作手册



**Caution — Hot Surface**  
小心 — 高温表面



**Power ON**  
电源打开



**Power OFF**  
电源关闭



**Standby**  
待机



**Protective Earth Ground**  
保护性接地



**Earth Ground**  
接地



**Equipotential Ground**  
等电位接地



**Alternating Current**  
交流电



**Phase**  
相位



**Water Fill, Low Water**  
注水, 水位低



**Humidity, Humidity Cycle**  
湿度, 湿度循环

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