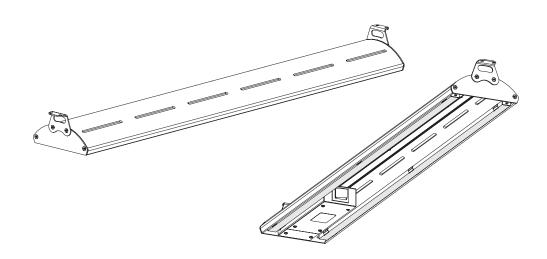




# GLOMAX<sup>®</sup> Curved Display Light 弧形照明灯 HLC5 Series/系列

# Installation and Operating Manual 安装及操作手册



# **A** 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,以提请其注意。请将本手册妥善放置,以便参照。

中文 = 第 12 页

Important Owner Information2	Operation
	General
Important Safety Information3	Maintenance
	General
	Daily Cleaning
	Replacing an LED Light Assembly
Dimensions4	
	Options and Accessories
	International Limited Warranty10
General 6	Service Information1
Installing the Unit6	

# IMPORTANT OWNER INFORMATION

Record the model number, serial number, voltage, and **Business** Hours: 9:00 AM to 6:00 PM (Beijing Time) purchase date of the unit in the spaces below (specification Monday through Friday label located on the underside of the unit). Please have this information available when calling Hatco for service assistance. Telephone: (0512) 6732-5091 Model No. E-mail: infocn@hatcocorp.com Serial No. Additional information can be found by visiting our web site at www.hatcocorp.com Voltage Date of Purchase

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



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.





Λ

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

# **A** 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.

# **A** 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.

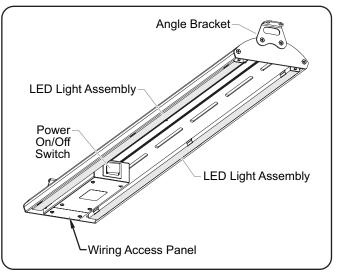


#### **All Models**

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 610–1982 mm (24"–78") and are supplied with angle brackets for under-shelf mounting. LED light strip color output options include warm white light (3050K) or neutral white light (4000K). 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,
Aluminum Housing

HLC5 - xx

Width (in inches)

# **SPECIFICATIONS**

#### **Dimensions**

Model	Width (A)	Depth (B)	Unit Height (C)	Overall Height (D)
HLC5	610–1982 mm	150 mm	50 mm	75 mm
	(24"–78")	(6")	(2")	(3")







# **Electrical Rating Chart**

Model	Voltage	Watts	Amps	Plug Configuration	Shipping Weight
HLC5-24	220				
	230	11	0.05	Hardwired	4 kg (9 lbs.)
	240				
HLC5-30	220	12			
	230	12	0.05	Hardwired	4 kg (9 lbs.)
	240	13			
HLC5-36	220	13			
	230	1.1	0.06	Hardwired	6 kg (12 lbs.)
	240	14			
HLC5-42	220	14	0.06		
	230	15	0.07	Hardwired	6 kg (13 lbs.)
	240	16	0.07		
HLC5-48	220	40	16 0.07 Hardwired		
	230	10		0.07 Hardwired 6 k	6 kg (14 lbs.)
	240	17			
HLC5-54	220			0.08 Hardwired 7 kg	
	230	18	0.08		7 kg (15 lbs.)
	240				
HLC5-60	220	10	Hardwired   7 k		
	230	19		Hardwired	7 kg (16 lbs.)
	240	20	0.08		
HLC5-66	220		0.10		
	230	21	0.00	Hardwired	8 kg (17 lbs.)
	240		0.09		
HLC5-72	220	22	0.1		
	230	22	0.00	Hardwired	8 kg (17 lbs.)
	240	23	0.09		
HLC5-78	220	23		Hardwired	
	230	0.4	0.10 Hardwired		8 kg (18 lbs.)
	240	24			

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.





#### General

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



#### **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.



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.

- 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.
  - 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.
- Install the unit in an appropriate location. Refer to the "Installing the Unit" procedure in this section.

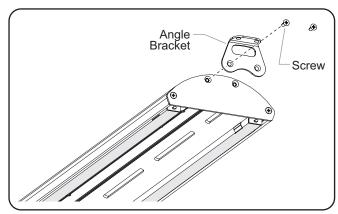
# Installing the Unit

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.

 Install the angle brackets onto the unit using the supplied screws.

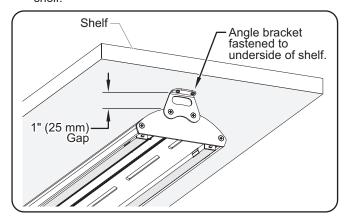


Angle Bracket Installation

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 overshelf.

Fasten the angle brackets to the underside of the shelf using appropriate mounting screws (not supplied). 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

4. 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.



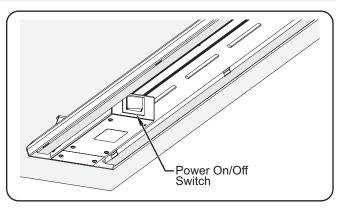
Read all safety messages in the IMPORTANT SAFETY INFORMATION section before operating this equipment.

#### 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.
- 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.



#### **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 jetclean 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.





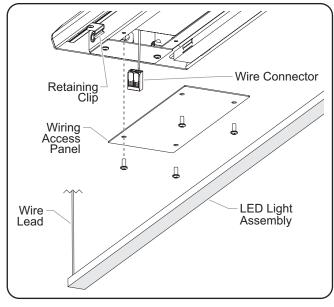
# Replacing an LED Light Assembly

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.
- Unscrew the wiring access panel screws to remove the wiring access panel.
- 3. Disconnect the LED wire lead connectors.
- 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.
- 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).



Replacing an LED Light Assembly

# TROUBLESHOOTING GUIDE



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



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 power to unit.	Check circuit breaker/power cord and reset/plug in, if necessary.	
no light.	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.	Contact Authorized Service Agent of Hatco for assistance.	
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**, 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



# **OPTIONS AND ACCESSORIES**

# Non-Adjustable Stands

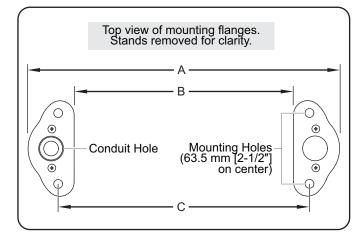
Aluminum, non-adjustable stands are available as an option for permanent mounting to a countertop. They are available in heights of 409 mm (16").

- 1. Determine the exact mounting location.
- 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.
  - 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 approriate 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.
- 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	Inside	Mounting
	Flange (A)	Flange (B)	Holes (C)
HLC5-24	594 mm	511 mm	538 mm
	(23-3/8")	(20-1/8")	(21-3/16")
HLC5-30	746 mm	664 mm	690 mm
	(29-3/8")	(26-1/8")	(27-3/16")
HLC5-36	899 mm	816 mm	843 mm
	(35-3/8")	(32-1/8")	(33-3/16")
HLC5-42	1051 mm	969 mm	995 mm
	(41-3/8")	(38-1/8")	(39-3/16")
HLC5-48	1204 mm	1121 mm	1148 mm
	(47-3/8")	(44-1/8")	(45-3/16")
HLC5-54	1356 mm	1273 mm	1300 mm
	(53-3/8")	(50-1/8")	(51-3/16")
HLC5-60	1508 mm	1426 mm	1453 mm
	(59-3/8")	(56-1/8")	(57-3/16")
HLC5-66	1661 mm	1578 mm	1605 mm
	(65-3/8")	(62-1/8")	(63-3/16")
HLC5-72	1813 mm	1730 mm	1757 mm
	(71-3/8")	(68-1/8")	(69-3/16")
HLC5-78	1966 mm	1883 mm	1910 mm
	(77-3/8")	(74-1/8")	(75-3/16")







#### 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



# 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 <u>during the warranty</u> <u>period</u>, 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



<b>使用者重要注意事项</b>	12	操作	16
简介	12	总则	
T.T. 重要安全说明		维护	
型号说明		- <b></b>	
型号命名		日常清理	
现格		更换 LED 光路	
电气参数表		故障处理指南	
尺寸		选配及配件	
· · · · · · · · · · · · · · · · · · ·		全球有限质保	
· 总则		服务信息	
安装设备		服为 旧心	

# 使用者重要注意事项

	工作时间:	北京时间 上午 9:00 - 下午 6:00 周一至周五
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。	电话:	(0512) 6732-5091
型号	E-mail:	infocn@hatcocorp.com
序列号	查询更多信	息请访问我们的网站:www.hatcocorp.com
电压		
购买日期		

# 简介

Hatco GLO**MAX®** 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 GLO**MAX** 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"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,并易使表面积少。

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。

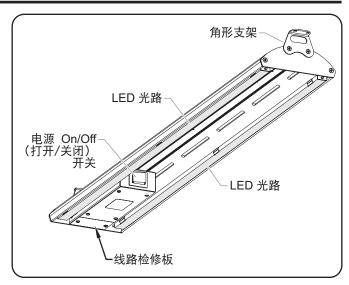
# 型号说明

# 所有型号

所有 GLOMAX<sup>®</sup> 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 610-1982 mm (24"-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。LED 色 出 包括暖白光 (3050K) 或中性白光 (4000K)。 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





HLC5 - xx GLOMAX 弧形照明灯(铝外壳) — □ □ 宽度(英寸)

# 规格

# 电气参数表

型号	电压	功率	电流	插头型式	出厂重量
HLC5-24	220				4 kg (9 磅)
	230	11	0.05	硬连线	
	240				
HLC5-30	220	40			
	230	12	0.05	硬连线	4 kg (9 磅)
	240	13			
HLC5-36	220	13			
	230	4.4	0.06	硬连线	6 kg (12 磅)
	240	14			
HLC5-42	220	14	0.06		
	230	15	0.07	硬连线	6 kg (13 磅)
	240	16	0.07		
HLC5-48	220	40			
	230	16	0.07	硬连线	6 kg (14 磅)
	240	17			
HLC5-54	220				7 kg (15 磅)
	230	18	0.08	硬连线	
	240				
HLC5-60	220	40	0.09		
	230	19	0.00	硬连线	7 kg (16 磅)
	240	20	0.08		
HLC5-66	220		0.10		
	230	21	0.00	硬连线	8 kg (17 磅)
	240		0.09		
HLC5-72	220	00	0.1		
	230	22		硬连线	8 kg (17 磅)
	240	23	0.09		
HLC5-78	220	23			
	230	0.4	0.10	硬连线	8 kg (18 磅)
	240	24			

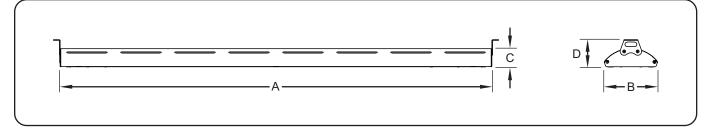
注意: 所示出厂重量为估计值。

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	深度	设备	整体
	(A)	(B)	高度 (C)	高度 (D)
HLC5	610–1982 mm	150 mm	50 mm	75 mm
	(24"–78")	(6")	(2")	(3")



# 安装

#### 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。

将设备安装到适当位置。 请参阅本部分中的"安装设备"程序。

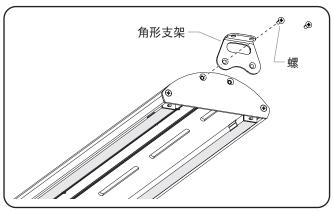
# 安装设备

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. 使用随附的螺丝将角形支架安装到设备上。

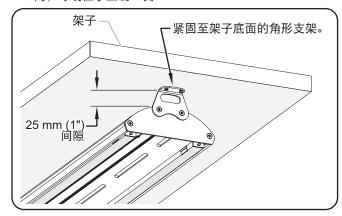


角度支架安装

2. 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。

3. 使用适当的安装螺钉(未提供)将角形支架固定到搁板的 底部。 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

4. 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

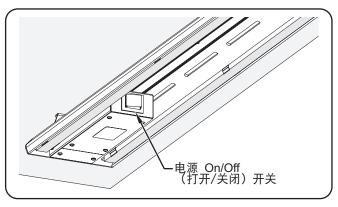
操作本设备之前请仔细阅读重要安全信息章节的所有安全提示。

#### 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。

# 日常清理

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。
- 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。

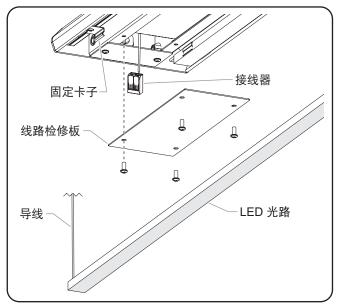
# 更换 LED 光路

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)。



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。	,用联系经过技权的服务代理或 Hatto 以予不希助。	
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, 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

#### 不可调节支架

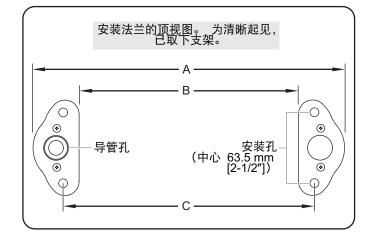
作为工作台面永久安装选件,铝制不可调节支架可供选择。 可提供的支架高度为 409 mm (16")。

- 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	内部	安装
	法兰 (A)	法兰 (B)	孔 (C)
HLC5-24	594 mm	511 mm	538 mm
	(23-3/8")	(20-1/8")	(21-3/16")
HLC5-30	746 mm	664 mm	690 mm
	(29-3/8")	(26-1/8")	(27-3/16")
HLC5-36	899 mm	816 mm	843 mm
	(35-3/8")	(32-1/8")	(33-3/16")
HLC5-42	1051 mm	969 mm	995 mm
	(41-3/8")	(38-1/8")	(39-3/16")
HLC5-48	1204 mm	1121 mm	1148 mm
	(47-3/8")	(44-1/8")	(45-3/16")
HLC5-54	1356 mm	1273 mm	1300 mm
	(53-3/8")	(50-1/8")	(51-3/16")
HLC5-60	1508 mm	1426 mm	1453 mm
	(59-3/8")	(56-1/8")	(57-3/16")
HLC5-66	1661 mm	1578 mm	1605 mm
	(65-3/8")	(62-1/8")	(63-3/16")
HLC5-72	1813 mm	1730 mm	1757 mm
	(71-3/8")	(68-1/8")	(69-3/16")
HLC5-78	1966 mm	1883 mm	1910 mm
	(77-3/8")	(74-1/8")	(75-3/16")





#### 保证,唯一补救措施:

保证,唯一补救措施:
Hatco 公村 (i) 保证, (i) 公共 (i) 公共 (ii) 公共 (iii) 公共 (ii) 公共 (i 证,这些保证均被明确否认。

#### 两 (2) 年部件保证:

履带烤面包机元件(金属外壳) 抽屉式保温柜元件(金属外壳) 抽屉式保温柜抽屉滚轮和滑道 食品保温柜记件(金属外壳) 展示保温柜元件(金属外壳空气加热) 储存保温柜元件(金属外壳空气加热) 加热槽元件 — HW、HWB 和 HWBI 系列(金属外壳) 电磁炉 电磁保温柜

#### 五 (5) 年部件保证:

3CS和FR水箱

#### 十 (10) 年部件保证:

电增压加热水箱 燃气增压加热水箱

#### 九十 (90) 天仅部件保证:

更换件

尽管本文有相反条款,但本文的有限保证不涵盖卖方自行决定的组件,例如但不限于以下组件: 涂层的白炽灯泡、荧光灯、加热灯泡、涂层的卤素灯泡、卤素加热灯泡、氙气灯泡、LED灯泡、玻璃组件和保险丝;因石灰、沉积物堆积、化学侵蚀或冰冻造成的产品增压水箱、鳍管热交换器或其他水加热设备故

#### 保修登记说明:

产品注册必须在我们工厂发货之日起 90 天内提交才能有资格享受附加保修覆盖。 可通过卖方网站上的表格提交注册、通过产品上的二维码(如有)访问表格提交注册或通过致电客户服务并提供所需信息提交注册: +1-414-671-6350。

卖方不对任何间接、偶然、相应而生、惩罚性、惩戒性或特殊损失负责,包括但不限于品被纳入或成为另一个权或性或等的组件,或由于基于保修(明示或暗示)或基于合同、侵权付有其他责任理论的任何其他原因而产生的任何利润损失、用或安装产品而产生的人工费用或的费用或因出售、使用或安装产品而产生的人工费,形态实方是否已就产品的出售、使用或安装提出任何建议或东论卖方是否已就产品的出售、使用或安装提出任何建议或东论卖方是否已知道此类损失的可能性。在任何情况下,或实方因本协议而产生的或与本协议相关的责任总额均不得超向实方在引起客户索赔的使本条款规定的有限补救的基本目的无效,本文规定的有关率方责任的限制也应有效并强制执行。 文规定的有关卖方责任的限制也应有效并强制执行。

卖方保留随时自行决定更新本条款的权利,更新自发布之日起 生效。 如需我们完整销售条款的最新版本,请访问我们的网 站: https://www.hatcocorp.com/terms-of-sale

# 服务信息

赫高迷你陈列保温柜的保修期为自购买之日起 1 年内或赫高发 货之日起 18 个月内,二者以先发生的日期为准。

如果烤面包机在保质期内出现问题,请按以下方式操作:

#### 联系本地 Hatco 经销商

当联系 Hatco 经销商提供服务帮助时,请将以下信息提供给经 销商,以确保得到及时处理:

- 设备型号
- · 序列号 (位于设备的控制侧)
- 设备的具体问题
- 购买日期
- 企业名称
- 发运地址
- 联系人姓名和电话号码

Hatco 经销商会为您:

- 提供所需要的更换零部件
- 向 Hatco 提出质保索赔以供处理

#### 非质保期故障

如果您的设备在非质保期内出现故障需要提供帮助,请联系就 近的Hatco授权服务机构。

查找就近的Hatco授权服务机构:

- · 打(0512) 6732-5091电话联系Hatco服务部门。
- · 发邮件到infocn@hatcocorp.com联系Hatco服务部门。



# **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







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

注水,水位低



Water Fill, Low Water



Humidity, Humidity Cycle 湿度,湿度循环

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