



# Gavita® LED CLONE BAR


## 1 Introduction


Thank you for purchasing the Gavita® LED Clone Bar. This manual describes mounting, installation and how to use the product. Mounting and installation of the LED fixture may only be executed by certified service personnel. Please read and understand this manual completely before using the product. Only use the product as specified in this manual.


### 1.1 Used Symbols


 **Warning!** A warning indicates severe damage to the user and/or product may occur when a procedure is not carried out as described.


 **Caution!** A caution sign indicates problems may occur if a procedure is not carried out as described. It may also serve as a reminder to the user.


 **Note:** A note gives additional information, e.g. for a procedure.

 This symbol is an internationally recognized symbol used to designate recyclable materials.

 This symbol is an authorized use mark employed on electronic products manufactured or sold in the United States, which indicates that the electromagnetic emissions from the device have been measured to be under the limits published by the Federal Communications Commission. The FCC logo is a mark that declares that the equipment is authorized to market and operate under the FCC's SDOC procedure.

 This symbol shows that a product has been independently tested and certified to meet recognized standards for safety.

 This symbol on material, accessories or packaging indicates that this product may not be discarded as household waste. By properly disposing the equipment, you will be helping to prevent possible risks to the environment and public health, which might otherwise be caused by improper handling of the discarded equipment. Recycling of materials contributes to the conservation of natural resources. Therefore, please do not dispose of old electronics and electrical appliances via household waste.

 This symbol indicates the minimum distance (B) between the LED fixture (A) and the lit surface.

## 2 Product description

The Gavita® LED Clone Bar is an electronic horticultural LED fixture. It is a single LED bar that can be used as a stand-alone supplemental light source or in addition to other Gavita® LED fixtures. The Gavita® LED Clone Bar is intended to be used in greenhouses or in climate rooms. In this manual, the Gavita® LED Clone Bar will be referred to as: "the LED fixture".

### 3 Product information and specifications

#### 3.1 General product information

Product name	Gavita® Clone Bar 120 - 277 V
Manufacturer	Hawthorne Gardening Company
Part number	HGC907087
UPC	849969002317
Plug type	NEMA 5-15P, 6-15P and L7-15P

#### 3.2 Technical specifications

Input voltage:	120 - 277 V
Input wattage:	18 W
PPF:	35 umol/s
Input Current - 100%:	0.161 A - 0.076 A
Certification standards	Conforms to ANSI/UL STD 1598. Certified to CSA STD C22.2 No. 250.0. Conforms to ANSI/CAN/UL STD 8800
Frequency:	60 Hz
Power factor (cosφ):	0.95 - 0.89
Operating temperature:	20-40° C
Environmental rating:	IP66, suitable for damp locations
Weight:	379 g is 0.835 lb
Dimensions:	44.09" L X 1.15" W X 1.46" H / 112 X 2.9 X 3.7 cm
Certifications:	ETL / CE / UKCA

#### 3.3 Environment

The product is intended to be used in greenhouses and climate rooms. The product can be used in damp environments. The product may not be used outdoors. The Gavita® LED Clone Bar functions optimal when the max ambient temperature is between 68~104° F / 20~40° C. This luminaire is suitable for operation in an ambient temperature not exceeding 40°C. This should be the maximum sustained temperature of the installed environment (ambient temperature) that will ensure safe operation of the lighting equipment. To prevent sustained temperatures above a 40°C ambient a mechanical ventilation or cooling system is required to maintain the temperature within the growing space at or below 40°C when the luminaire is in operation.

#### 3.4 Legal

Conforms to ANSI/UL STD 1598, Conforms to ANSI/CAN/UL STD 8800 and Certified to CSA STD C22.2 No. 250.0.

**⚠ Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**⚠ CAUTION** – Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

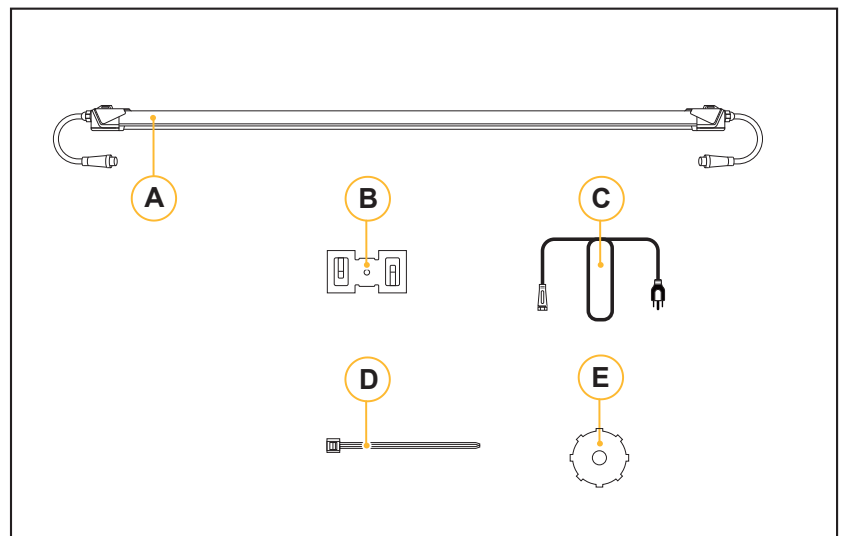
## 4 Safety recommendations and warnings

**⚠ Warning!** Carefully read the warnings below before using or working with the product!

- Always adhere to local rules and regulations when installing or using the LED fixture.
- Do not open or disassemble the LED fixture; there are no serviceable parts inside. Opening or modifying the LED fixture can be dangerous and will void the warranty.
- This product may cause interference to radio equipment and should not be installed near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45 - 30 MHz.
- Do not use the LED fixture when either the LED fixture or its power cord are damaged. Replace the power cord only with original certified cords.
- Modifications to the cords can lead to unwanted electromagnetic effects, which makes the product not comply with legal requirements.
- Do not expose the LED fixture to:
  - (ambient) temperatures outside the specified range;
  - dust and contamination;
  - direct sunlight during use or HID light that could heat up the fixture.
- Always disconnect the LED fixture from mains before performing any maintenance.
- Always allow for a cool down period of at least 5 minutes before touching the luminaire. Touching the luminaire when the fixture is lit or immediately afterward can result in burns!
- Do not use the LED fixture near flammable, explosive or reactive substances. Do not use sulfur vaporizers or water misters.
- The installation and use of the LED fixture is the responsibility of the end user. Incorrect use or installation can lead to failure and damage to the LED fixture. Damage to the LED fixture and electronic circuitry as a result of incorrect installation and use revokes the warranty.

## 5 Contents (1)

- A. Gavita<sup>®</sup> LED CLONE BAR (2x)
- B. Standard mounting clip (4x)
- C. Power cord set (1x)
- D. Plastic tie (4x)
- E. End cap (1x)



**⚠ CAUTION - PROPRIETARY WIRING SYSTEM.** Use Hawthorne cord set model HGC907089, HGC907090 and HGC907091 only for connection from the luminaire power inlet to a standard junction box for power connection. Note that model HGC907091 is provided with the luminaire.

**⚠ ATTENTION - SYSTÈME DE CÂBLAGE PROPRIÉTAIRE.** Utilisez le jeu de cordons Hawthorne modèle HGC907089, HGC907090 and HGC907091 uniquement pour la connexion de l'entrée d'alimentation du luminaire à une boîte de jonction standard pour la connexion électrique. Notez que le modèle HGC907091 est fourni avec le luminaire.

**ⓘ Note:** Insure that the power supply cords, extensions cords, and power cordsets

- 1) Are not concealed or extended through a wall, floor, ceiling, or other parts of the building structure;
- 2) Are not located above a suspended ceiling or dropped ceiling;
- 3) Are not permanently affixed to the building structure;
- 4) Are routed so that they are not subject to strain and are protected from physical damage;
- 5) Are visible over their entire length; and
- 6) Are used within their rated ampacity as determined for the maximum temperature of the installed environment specified in the instructions.

## 6 Installation

- ⚠ **Warning!** Mounting and installation of the LED fixture may only be executed by certified service personnel, in accordance with applicable local laws and regulations.
- ⚠ **Warning!** The installer is responsible for correct and safe installation.
- ⚠ **Warning!** Ensure the local cabling can support the voltage and current requirements of the LED fixture.
- ⚠ **Warning!** Avoid coiled cords and keep mains leads separated. This prevents electromagnetic interference.
- ⚠ **Warning!** Do not connect or disconnect the LED fixture under load.

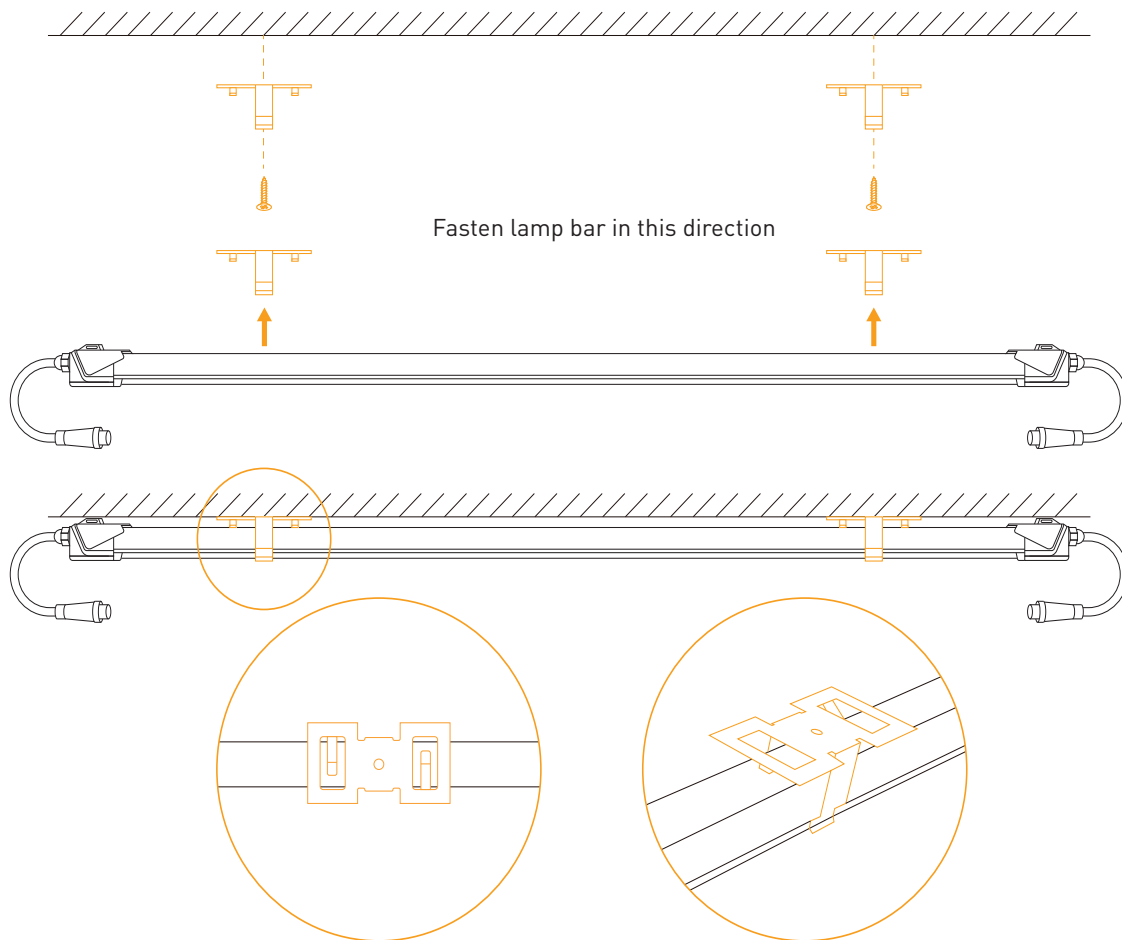
### 6.1 Installation preparations

- ⚠ **Warning!** When mounting, attach the fixture to something that can support its entire weight.
- Switch off mains power.

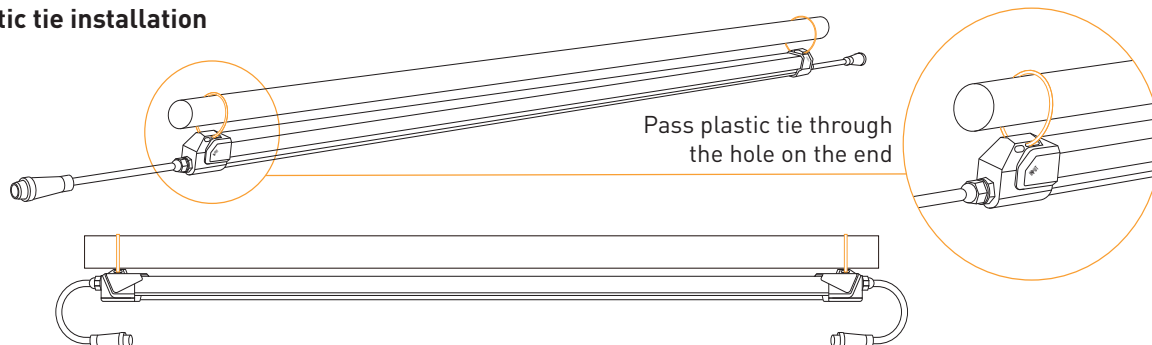
### 6.2 Installing the LED fixture

- Hang the LED fixture to the mounting system.

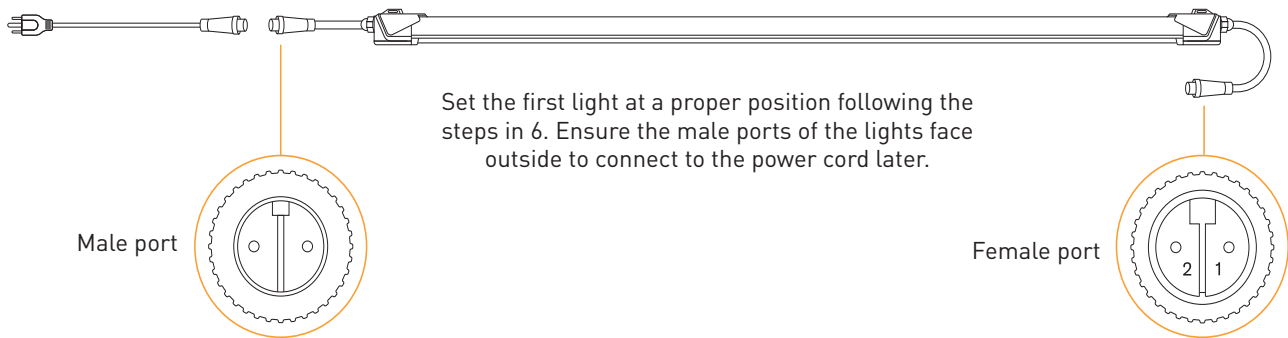
#### Ceiling installation



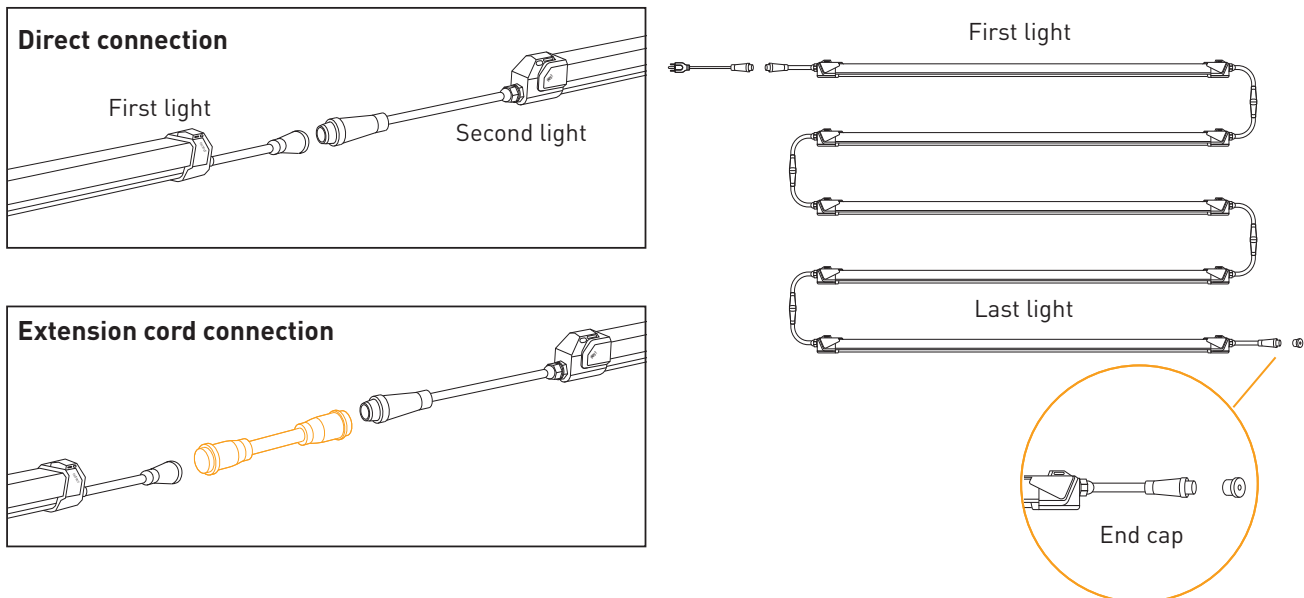
#### Plastic tie installation



### Light connection



### Connecting multiple fixtures



### 6.3 Connecting the LED fixture to the mains

- ⚠ **Warning!** Make sure mains power is switched off.
- ⚠ **Warning!** Ensure the cord is not coiled and does not touch any hot surfaces.
- ⚠ **Warning!** Connect the power supply cords, power cord sets, and extensions cords according to local rules, safety regulations and electrical code.
- ⚠ **Warning!** Ensure external switching gear can cope with the inrush current of the LED fixture. Always use a double-pole contactor suitable for switching a capacitive load. Never use household timers to switch the LED fixture!

- Connect the power cord set to the mains. The Gavita<sup>®</sup> LED Clone Bar 120-277 V power cord sets connect to a NEMA receptacle.

#### Wiring to power cord set plugs. Gavita<sup>®</sup> LED Clone Bar 120 - 277 V:

Wire	120 V, 277 V	208 V, 240 V
White	Neutral (N)	Phase (L1)
Black	Phase (L)	Phase (L2)
Green	Ground (⏏)	Ground (⏏)

- Switch on mains power.

- ⚠ **Warning!** Do not connect or disconnect the power cable to the LED fixture while under load.

## 7 Photobiological Safety

<b>RISK GROUP 2</b>
<b>CAUTION</b> Possible hazardous optical radiation emitted from this product Do not stare at operating lamp. May be harmful to eyes.

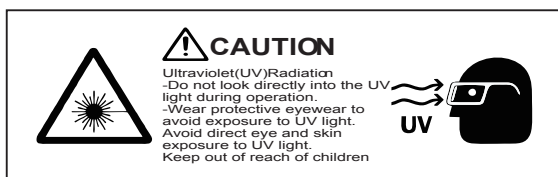
**Photobiological safety assessment:** Risk Group 2  
**Évaluation de la sécurité photobiologique:** Groupe de risque 2

<b>GROUPE DE RISQUE 2</b>
<b>MISE EN GARDE</b> - Risque de rayonnement optique dangereux émis par ce produit. Ne pas fixer la source lumineuse quand elle est allumée. Peut être nocif pour les yeux.

These photobiological safety markings are based on testing of the light output characteristic of a single horticultural luminaire. Increased exposure risk to facility personnel may be present depending upon the number of horticultural luminaires and their placement and/or positioning within the plant growth facility. It is the responsibility of the plant growth facility to address these risks at the facility level and to ensure that people entering the plant growth areas while the lights are on, are aware of these risks and that appropriate safeguards are in place.

## 8 Precautions when using the LED fixture

**⚠ Warning!** Always wait 5 minutes for the luminaire to cool down!



## 9 Storage and disposal

- Store the LED fixture in a dry and clean environment, with an ambient temperature of -4~185° F / -20~85° C.
- The product must not be discarded as unsorted municipal waste, but must be collected separately for the purpose of treatment, recovery and environmentally sound disposal.

## 10 LIMITED WARRANTY:

When purchased from an authorized Hawthorne dealer, this product is covered by a LIMITED WARRANTY, available at [hawthornegc.com/warranties](http://hawthornegc.com/warranties). You can also obtain the Terms of Sale and Limited Warranty by calling Hawthorne toll-free at: 1-888-478-6544 or writing Hawthorne at: Hawthorne Hydroponics LLC, 800 Port Washington Blvd. Port Washington, NY 11050, Attn: Customer Service.



**Manufactured for Hawthorne Hydroponics LLC,  
a subsidiary of The Hawthorne Gardening Company**

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