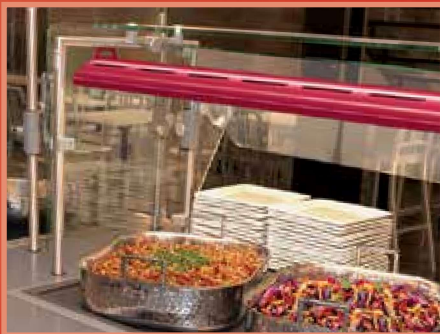# Strip Heaters

*Cafeterias • Buffets • Supermarkets & Delis
Restaurants & Cafés • Clubs & Bars*

GR5AL-60 in optional Radiant Red Gloss Finish above a **GRSB-54-I** (Sneeze Guard not available) *pg. 75*

GRAL-48   *pg. 78*

GRAH-42D with optional 6" spacer and optional non-adjustable tubular stands   *pg. 80*

GRAML-60D with optional non-adjustable tubular stands   *pg. 86*

GRNH-48 with standard Angle brackets and optional *Designer* Warm Red (Sneeze Guards as shown not available)   *pg. 88*

GRAIHL-48, requires Remote Control Enclosure (RMB)   *pg. 90*

GR2AHL-84 with optional *Designer* Black housing and Sneeze Guards   *pg. 94*

UGA-24D in optional Radiant Red Gloss Finish   *pg. 99*

**UGAH-36D** with Standard 3" spacer   *pg. 99*

Ordering Instructions – Watch *How To Order A Hatco Strip Heater* on Hatco's website under Resources, Video Library

QUICK GUIDE – SOLUTIONS FOR ANY CLEARANCE – Detailed mounting and spacing requirements found on page 101

**NARROW CLEARANCE**
Infra-Black®
- Provides a very even and thermostatically controlled heat source
- For applications where the distance from the heat source to the target is narrow

4"-10"
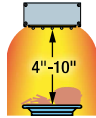
STANDARD CLEARANCE
**Infrared Metal Sheathed Element:**
- Pre-focused heat pattern directs infrared heat to the holding area
- Uniform heat distribution
- Energy efficient
- A wide variety of sizes and features available
- Our most popular solution

11"-13" Combustible
10"-13" Non-Combustible
Standard Watt
13"-16"
High Watt
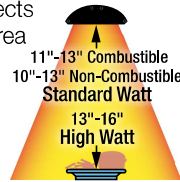
HIGH CLEARANCE
Ultra-Glo® Durable Ceramic Element
- Stronger, more intense heat source
- For applications where there is a greater distance between the heat source and target surface
- Ideal for French fry station applications

14"-18"
Standard Watt
16"-22"
High Watt
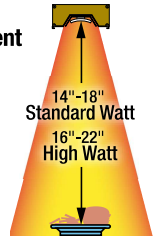
GR5AL-36 or
GR5AHL-36

GR5A-36 or
GR5AH-36

Glo-Ray® Curved Infrared Strip Heaters: *(pages 74-76)*

1. Choose a length
2. Standard or high watt
3. Lights or no lights

4. Voltage: 120, 208, 240
5. Choose control option for GR5A and GR5AH ∞
   (GR5AL, GR5AHL have Remote Control Enclosure included)

GRA-72,
GRAH-72 or
GRAM-72

GRA-72D,
GRAH-72D or
GRAM-72D

GRAL-72,
GRAHL-72 or
GRAML-72

GRAL-72D,
GRAHL-72D or
GRAML-72D

Glo-Ray® Infrared Metal-Sheathed Strip Heaters: *(pages 77-87)*

1. Choose a length
2. Single or dual warmer
3. Standard, high or max watt
4. Lights or no lights

5. Voltage: 120, 208, 240 without lights or 120, 240,120/208, 120/240 for units with lights
6. Choose control option, remote installation recommended (required on some models)∞

GR-36 or
GRH-36

Glo-Ray® Infrared Stainless Steel Strip Heaters: *(pages 78-79)*

1. Choose a length
2. Standard or high watt

3. Voltage: 120, 208 or 240
4. Choose control option, remote installation is recommended∞

GRN-24,
GRNH-24 or
GRNM-24

Glo-Ray® Narrow Infrared Strip Heaters: *(page 88-89)*

1. Choose a length
2. Standard, high or max watt

3. Voltage: 120, 208, 240
4. Choose control option, remote installation is recommended∞

∞Multiple Strip Heaters may be connected to one RMB2 if the combined Amp draw of the warmers are less than the rating for the RMB2.

Strip Heaters

GRAIH-60   GRAIHL-60   GRAIHL-60D   GRAIH-60D
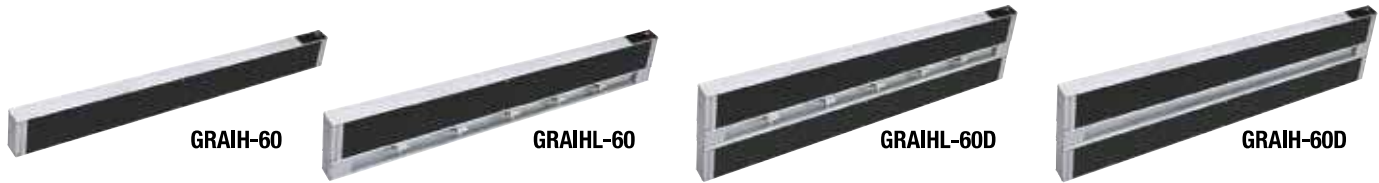
Glo-Ray® Infra-Black® Strip Heaters: *(pages 90-92)*

1. Choose a length
2. Single or dual warmer
3. Lights or no lights

4. Voltage: 120, 208, 240 without lights or 120/208, 120/240 for units with lights
5. Choose control option, remote installation is recommended⁰⁰

GR2A-36 or **GR2AH-36**   GR2A-36D or **GR2AH-36D**   GR2AL-36 or **GR2AHL-36**   GR2AL-36D or **GR2AHL-36D**

Glo-Ray® *Designer* Infrared Strip Heaters: *(pages 93-97)*

1. Choose a length
2. Single or dual warmer
3. Standard or high watt
4. Lights or no lights
5. Voltage:120, 208, 240 without lights or 120/208, 120/240 for units with lights

6. Choose control option, remote installation only⁰⁰
7. Choose inset panel and corner cap color
8. Select Non-adjustable Stand Length or optional Overhead Mount (shown)

UGA-36 or **UGAH-36**   UGA-36D or **UGAH-36D**   UGAL-36 or **UGAHL-36**   UGAL-36D or **UGAHL-36D**

Ultra-Glo® Ceramic Strip Heaters: *(pages 98-100)*

1. Choose a length
2. Single or dual warmer
3. Standard or high watt
4. Lights or no lights

5. Voltage: 120, 208, 240 without lights or 120/208, 120/240 for units with lights
6. Choose control option, remote installation is recommended⁰⁰

⁰⁰Multiple Strip Heaters may be connected to one RMB2 if the combined Amp draw of the warmers are less than the rating for the RMB2.

Power and Switch Location

Each Strip Heater has specific Power and Switch locations (sample below). For information on other models, visit the *Document Library* under *Resources* on *hatcocorp.com*, and search *Power Locations*.

POWER LOCATIONS Numbers

GRA-D Top view

SWITCH LOCATIONS Letters
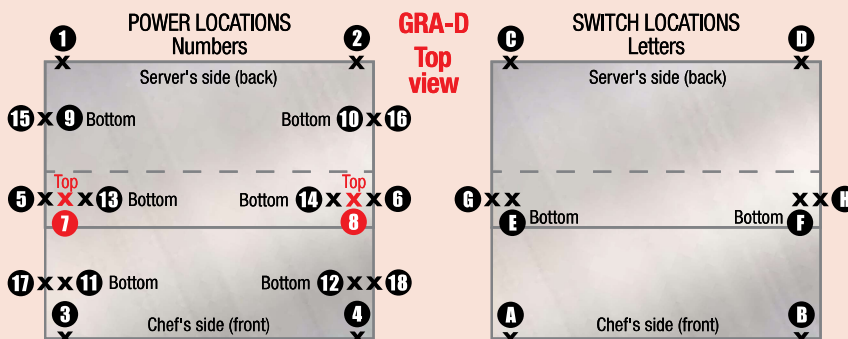
POWER: *Numbers* indicate potential power locations. Locations 9, 10, 11 and 12 are on the bottom of the warmer and are intended to be used in conjuction with the optional legs supplied by Hatco. Note: Maximum of 3 circuits down the leg. **SWITCH:** *Letters* indicate the potential control locations.
NOTE: Remote controls are available and recommended.

Typical Conduit Connection

Glo-Ray® Strip Heaters come standard with right angle attached 3' conduit and 42" leads on back of unit.
Narrow Strip Heaters have standard 6" leads, no conduit.
GR2A models - conduit exits non-adjustable stand or overhead mount only.
GR5AL models have a 5' leadwire, which is 2' past the 3' conduit.
Ultra Glo® models - conduit exits through attached control box; if no control box, conduit exits side of unit.

Glo-Ray®
Strip Heater

Strip Heaters

Glo-Ray® Curved Infrared Strip Heaters

This stylish, patented design, based on our signature Glo-Ray Strip Heaters, is the perfect solution for your front-of the-house applications. Superb for buffet and serving lines, the sleek curved design minimizes its size while accenting and warming the products below.

The entire holding surface is heated evenly with no "cold" spots thanks to Hatco's dependable infrared element technology.

- Narrow, curved design: 2"H x 6"D uses a very small footprint
- Lengths available from 18"-72" in 6" increments
- Patented housing design
- Angle brackets (mounting) are standard

- Pre-focused heat maintains safe serving temperatures longer without continuing to cook the food
- Available in standard or high watt
- End panels and mounting brackets match unit color
- Hatco's wide array of colors help provide the right look for your venue

GR5A-36/GR5AH-36
with new accessory Sneeze Guard (with Clear Anodized hardware), in optional Glossy Gray Gloss Finish with optional 16" non-adjustable tubular stands (legs) in optional Glossy Gray Finish

GR5A-36/GR5AH-36
in optional Brilliant Blue Gloss Finish with standard Angle Brackets

GLO-RAY CURVED INFRARED STRIP HEATERS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt				
GR5A-18	18"	120, 208 or 240	250	10 lbs.
GR5A-24	24"	120, 208 or 240	350	11 lbs.
GR5A-30	30"	120, 208 or 240	450	12 lbs.
GR5A-36	36"	120, 208 or 240	575	12 lbs.
GR5A-42	42"	120, 208 or 240	675	13 lbs.
GR5A-48	48"	120, 208 or 240	800	15 lbs.
GR5A-54	54"	120, 208 or 240	925	17 lbs.
GR5A-60	60"	120, 208 or 240	1050	20 lbs.
GR5A-66	66"	120, 208 or 240	1160	25 lbs.
GR5A-72	72"	120, 208 or 240	1275	25 lbs.
High Watt				
GR5AH-18	18"	120, 208 or 240	350	10 lbs.
GR5AH-24	24"	120, 208 or 240	500	11 lbs.
GR5AH-30	30"	120, 208 or 240	660	12 lbs.
GR5AH-36	36"	120, 208 or 240	800	12 lbs.
GR5AH-42	42"	120, 208 or 240	950	13 lbs.
GR5AH-48	48"	120, 208 or 240	1100	15 lbs.
GR5AH-54	54"	120, 208 or 240	1250	17 lbs.
GR5AH-60	60"	120, 208 or 240	1400	20 lbs.
GR5AH-66′	66"	120, 208 or 240	1560	25 lbs.
GR5AH-72′	72"	120, 208 or 240	1725	25 lbs.

○ Does not include Remote Control Enclosure (RMB), see pages 76, 103 and 104.
▪ Infinite switch not available on 120V.

All Glo-Ray Curved Infrared Models Feature:
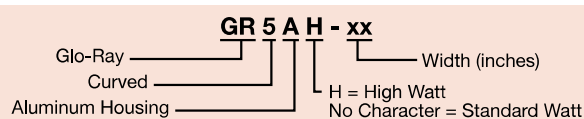**Leads:** 3' conduit, 5' Power Leads.
Angle Brackets: Provides 1" clearance between Strip Heater and overshelf.
Dimensions: 18"-72"W x 6"D x 2"H.

GR 5 A H - xx

Glo-Ray
Curved
Aluminum Housing
Width (inches)
H = High Watt
No Character = Standard Watt

Glo-Ray® Curved Infrared Strip Heaters with LED Lights

Hatco's Glo-Ray Curved Infrared Strip Heaters with LED Lights feature a patented housing design that is low-profile, elliptical-shaped and stylish, the ideal solution for front-of-the-house applications where heat and/or lights are needed.

It can operate with just the dual LED lights; or the dual LED lights can be used simultaneously with the infrared emitter to provide the perfect balance of light and heat.

- Narrow, curved design: 2"H x 6"D uses a very small footprint with lengths available from 18"-72" in 6" increments
- Patented housing design has energy efficient dual LED lights across the entire strip heater, which provide longer performance and energy savings (compared to standard incandescent bulbs - 3.5 to 15.2 watts based on length)
- Angle brackets (mounting) are standard
- Pre-focused heat maintains safe serving temperatures longer without continuing to cook the food
- Can be used with lights only or heat only
- 100% linear infinite controls with adjustability from 0-100%, allow for precise settings

- Field replaceable LED available as:
  – Warm White★ (standard)
  – Neutral (Cool) White★
  – Dual Color: Warm White/Neutral (Cool) White★ (toggle between color temperatures to enhance foods displayed)
- Electronic Infinite Control Remote Box and power On/Off switch (controls lights, heat) included
- Available as lights only (see HL5 series in Decorative Lamps & Display Lights section)

Dual colored LED lighting!

GR5AL-36/GR5AHL-36
Top and bottom view. Shown in optional Radiant Red Gloss Finish and standard Angle Brackets

Optional Sneeze Guard with black Anodized hardware

Strip Heaters

GLO-RAY CURVED INFRARED STRIP HEATERS with LED LIGHTS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt				
GR5AL-18	18"	120, 208 or 240	254	16 lbs.
GR5AL-24	24"	120, 208 or 240	356	18 lbs.
GR5AL-30	30"	120, 208 or 240	458	21 lbs.
GR5AL-36	36"	120, 208 or 240	584	21 lbs.
GR5AL-42	42"	120, 208 or 240	686	24 lbs.
GR5AL-48	48"	120, 208 or 240	812	24 lbs.
GR5AL-54	54"	120, 208 or 240	939	27 lbs.
GR5AL-60	60"	120, 208 or 240	1066	28 lbs.
GR5AL-66	66"	120, 208 or 240	1177	29 lbs.
GR5AL-72	72"	120, 208 or 240	1294	30 lbs.
High Watt				
GR5AHL-18	18"	120, 208 or 240	354	16 lbs.
GR5AHL-24	24"	120, 208 or 240	506	17 lbs.
GR5AHL-30	30"	120, 208 or 240	668	21 lbs.
GR5AHL-36	36"	120, 208 or 240	809	21 lbs.
GR5AHL-42	42"	120, 208 or 240	961	22 lbs.
GR5AHL-48	48"	120, 208 or 240	1112	25 lbs.
GR5AHL-54	54"	120, 208 or 240	1264	25 lbs.
GR5AHL-60	60"	120, 208 or 240	1416	29 lbs.
GR5AHL-66	66"	120, 208 or 240	1577	29 lbs.
GR5AHL-72	72"	120, 208 or 240	1744	30 lbs.

All Glo-Ray Curved Infrared Models with Lights Feature:
Switch Location: Remote box with electronic infinite control and power On/Off switch (controls lights and heat) included.
Leads: 3' conduit, 5' Power Leads, 6½' (78") LED Leads. standard LED lead length is 1½' (18") longer than Power Lead length.
Angle Brackets: Provides 1" clearance between strip heater and overshelf.
Dimensions: 18"-72"W x 6"D x 2"H. **Control Box Dimensions:** 11"W x 5½"H.
Cut Out Dim.: 10⅛"W x 6¼"D x 4¾"H.

GR 5 A H L - xx
Glo-Ray
Curved
Aluminum Housing
Width (inches)
L = Lights, No Character = No Lights
H = High Wattage
No Character = Standard Wattage
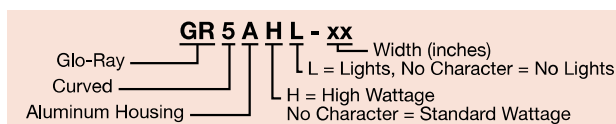
RECOMMENDED LIGHT USAGE

GR5A(H)L above...	Warm White★	Cool White★	Warm/Neutral (Cool) White★
Heated Well(s)	X		
Refrigerated Well(s)		X	
Heated Shelf (Shelves)	X		
Refrigerated Shelf (Shelves)		X	
Hot/Cold Well(s)			X
Hot/ Cold Shelf (Shelves)			X

★ Warm White can range from 2700-3200K, Neutral (Cool) White from 4000-4300K

Strip Heaters

OPTIONS (available at time of purchase only)

Designer Colors – End panels and Angle Brackets match unit color – Non-standard colors are non-returnable –

RED Warm Red	**BLACK** Black	**GRAY** Gray Granite	**COPPER** Antique Copper
WHITE White Granite	**BLUE** Navy Blue	**GREEN** Hunter Green	

Gloss Finishes – End panels and Angle Brackets match unit color – Non-standard colors are non-returnable –

GGOLD Gleaming Gold	**BBLUE** Brilliant Blue	**GGRAY** Glossy Gray
RRED Radiant Red	**BBLACK** Bold Black	

Non-Adjustable Tubular Stands – Clear Anodized standard –

Bottom mount leg for bottom mount installation

NTL5-10, -12	Specify 10" or 12" clearance
NTL5-14, -16	Specify 14" or 16" clearance

Side mount leg for bottom mount installation

SNTL5-10B, -12B	Specify 10" or 12" clearance
SNTL5-14B, -16B	Specify 14" or 16" clearance

Side mount leg for top mount installation

SNTL5-10T, -12T	Specify 10" or 12" clearance
SNTL5-14T, -16T	Specify 14" or 16" clearance

NTL5-PAINT *Designer* Color or Gloss Finish for Non-Adjustable Tubular Stands – Non-standard colors are non-returnable –

RED Warm Red	**GRAY** Gray Granite	**NAVY** Navy Blue	**COPPER** Antique Copper
BLACK Black	**WHITE** White Granite	**GREEN** Hunter Green	
RRED Radiant Red	**GGRAY** Glossy Gray	**BBLACK** Bold Black	
GGOLD Gleaming Gold	**BBLUE** Brilliant Blue		

GR5AL-NW	Neutral (Cool) White LED – Neutral (Cool) White can range from 4000-4300K
GR5AL-WW/NW	Dual Warm/Neutral (Cool) White LED – Warm White can range from 2700-3200K, Neutral (Cool) White from 4000-4300K
GR5AL-OPP	Power and LED wiring exit opposite ends of unit (Same end is the standard offering) – Must specify Power Lead length and LED Lead length required –

Power Wire Leads – GR5A(H) models– 5' Power Lead length standard –

GR5A-LEADS10	6'-10' total Power Lead length
GR5A-LEADS15	11'-15' total Power Lead length

Power Wire Leads – GR5A(H)L models– 5' Power Lead length standard –

GR5AL-LEADS10	6'-10' total power Lead length
GR5AL-LEADS15	11'-15' total power Lead length

LED Leads - 6½' (78") LED Lead length standard – Standard LED lead length is 1½' (18") longer than Power Lead length

LED-LEADS10	11½' (138") total LED Lead length
LED-LEADS15	16½' (198") total LED Lead length
LED-LEADS20	21½' (258") total LED Lead length
NO CONTROL	GR5A(H) models only – No control included, requires selection of RMB2-xx control – page 103
REM INF	GR5A(H) models only – Remote Infinite Switches in lieu of Toggle (max. 12.2 Amps) –
REM TOG	GR5A(H) models only – Remote Toggle Switches (max. 15 Amps) –
RMB	GR5A(H) models only – Remote Box – Available in *Designer* Colors or Gloss Finishes – see page 104 Non-standard colors are non-returnable – Clear Anodized standard –
RMB5-2R	Remote Box for GR5A(H)L models – Allows for up to two 72" wide units to be connected to a single control box at same set points – 14"W x 5^{15}/$_{16}$"D x 5^1/$_2$"H (Cut out dimensions: 13^1/$_8$"W x 4^3/$_4$"H)

NEW

ACCESSORIES (available for purchase at any time)

Curved tempered glass Sneeze Guard with penciled, polished edges for GR5A(H), GR5A(H)L models only – 24" D x 4 ^{1}/$_8$" H

With Black Anodized hardware

SG5-18-BA	Sneeze Guard fits GR5A(H)(L)-18 models
SG5-24-BA	Sneeze Guard fits GR5A(H)(L)-24 models
SG5-30-BA	Sneeze Guard fits GR5A(H)(L)-30 models
SG5-36-BA	Sneeze Guard fits GR5A(H)(L)-36 models
SG5-42-BA	Sneeze Guard fits GR5A(H)(L)-42 models
SG5-48-BA	Sneeze Guard fits GR5A(H)(L)-48 models
SG5-54-BA	Sneeze Guard fits GR5A(H)(L)-54 models
SG5-60-BA	Sneeze Guard fits GR5A(H)(L)-60 models
SG5-66-BA	Sneeze Guard fits GR5A(H)(L)-66 models
SG5-72-BA	Sneeze Guard fits GR5A(H)(L)-72 models

With Clear Anodized hardware

SG5-18-CA	Sneeze Guard fits GR5A(H)(L)-18 models
SG5-24-CA	Sneeze Guard fits GR5A(H)(L)-24 models
SG5-30-CA	Sneeze Guard fits GR5A(H)(L)-30 models
SG5-36-CA	Sneeze Guard fits GR5A(H)(L)-36 models
SG5-42-CA	Sneeze Guard fits GR5A(H)(L)-42 models
SG5-48-CA	Sneeze Guard fits GR5A(H)(L)-48 models
SG5-54-CA	Sneeze Guard fits GR5A(H)(L)-54 models
SG5-60-CA	Sneeze Guard fits GR5A(H)(L)-60 models
SG5-66-CA	Sneeze Guard fits GR5A(H)(L)-66 models
SG5-72-CA	Sneeze Guard fits GR5A(H)(L)-72 models

RMB5-2R

SG5-BA
(black anodized hardware)

RECOMMENDED MOUNTING HEIGHTS – PAGE 101
COLORS AND FINISHES – INSIDE BACK COVER

Glo-Ray® Aluminium Infrared Strip Heaters

Safely hold the temperature of your product without drying out or further cooking food with these Strip Heaters. The end result is hot, fresh food that's ready-to-serve. The continuous aluminum housing and heavy-duty mountings ensure the durability and quality of Hatco products. Heavy-duty Stainless Steel housings are available (next page).

- Ensures maximum flavor, safety and holding time
- Even heat distribution – no "cold spots"
- Sturdy extruded aluminum housings that do not sag, from 18" to 144" (12')
- Reflector does not blacken, maintaining a consistent heat pattern
- Heavy-duty insulation minimizes heat loss
- Optional Sneeze Guards (excludes Stainless Steel models)
- Available in Stainless Steel housing 18" to 96"
- Available with lights (shatter resistant incandescent lights or optional halogen lights - excludes Stainless Steel models)

- Pre-focused heat pattern bathes entire holding surface
- Additional reflector styles and lower wattage elements available, consult factory for more information

GRAH-36 High watt, toggle controlled with 2-S hooks and 2-6" chains accessory (optional cord and plug attached)

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

ALUMINUM STRIP HEATERS with CONDUIT (Standard Watt)

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt				
GRA-18	18"	120, 208 or 240	250	7 lbs.
GRA-24	24"	120, 208 or 240	350	7 lbs.
GRA-30	30"	120, 208 or 240	450	8 lbs.
GRA-36	36"	120, 208 or 240	575	9 lbs.
GRA-42	42"	120, 208 or 240	675	10 lbs.
GRA-48	48"	120, 208 or 240	800	11 lbs.
GRA-54	54"	120, 208 or 240	925	13 lbs.
GRA-60	60"	120, 208 or 240	1050	14 lbs.
GRA-66	66"	120, 208 or 240	1160	16 lbs.
GRA-72	72"	120, 208 or 240	1275	17 lbs.
GRA-84ʹ	84"	120, 208 or 240	1500	19 lbs.
GRA-96ʹ	96"	120, 208 or 240	1725	21 lbs.
GRA-108↔	108"	120, 208 or 240	1850	24 lbs.
GRA-120↔	120"	120, 208 or 240	2100	26 lbs.
GRA-132↔	132"	120, 208 or 240	2320	30 lbs.
GRA-144↔	144"	120, 208 or 240	2550	33 lbs.

○ Does not include Remote Control Enclosure (RMB), see pages 103 and 104.
ʹ When using an infinite control with 120 volt model, additional switch(es) and tandem (end-to-end) elements are required, cord not available.
↗ 120 volt models require additional switches and tandem (end-to-end) elements.
↔ Models 108" and longer are tandem.

All Glo-Ray Aluminum Infrared Models Feature:
Toggle Switch (max. 15 Amps) Location: Chef's left side (unless otherwise specified).
Leads: 3' conduit with leads – server's right. NEMA 5-15P cord available on 120 volt models 72" or less with C-leg, T-leg stand or chain-hook mount. GRAH-66 and GRAH-72 require NEMA 5-20P cord for Canada.
Dimensions: 18"-144"W x 6"D x 2½"H.

OPTIONS AND ACCESSORIES – PAGE 79
RECOMMENDED MOUNTING HEIGHTS – PAGE 101
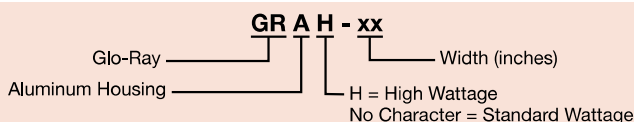
ALUMINUM STRIP HEATERS with CONDUIT (High Watt)

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight
High Watt				
GRAH-18	18"	120, 208 or 240	350	7 lbs.
GRAH-24	24"	120, 208 or 240	500	8 lbs.
GRAH-30	30"	120, 208 or 240	660	8 lbs.
GRAH-36	36"	120, 208 or 240	800	9 lbs.
GRAH-42	42"	120, 208 or 240	950	11 lbs.
GRAH-48	48"	120, 208 or 240	1100	11 lbs.
GRAH-54	54"	120, 208 or 240	1250	13 lbs.
GRAH-60	60"	120, 208 or 240	1400	14 lbs.
GRAH-66ʹ	66"	120, 208 or 240	1560	16 lbs.
GRAH-72ʹ	72"	120, 208 or 240	1725	17 lbs.
GRAH-84↗	84"	120, 208 or 240	2050	19 lbs.
GRAH-96↗	96"	120, 208 or 240	2400	21 lbs.
GRAH-108↔	108"	120, 208 or 240	2500	23 lbs.
GRAH-120↔	120"	120, 208 or 240	2800	26 lbs.
GRAH-132↔	132"	120, 208 or 240	3120	31 lbs.
GRAH-144↔	144"	120, 208 or 240	3450	48 lbs.

Cord and Plug Attached

ALUMINUM STRIP HEATERS with S HOOKS, CHAINS and CORD and PLUG ATTACHED

Model	Item No.	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt - Toggle Controlled with S Hooks and Chain, Cord and Plug attached					
GRA-24	GRA24120TCCS	24"	120	350	7 lbs.
GRA-36	GRA36120TCCS	36"	120	575	9 lbs.
GRA-48	GRA48120TCCS	48"	120	800	11 lbs.
GRA-60	GRA60120TCCS	60"	120	1050	14 lbs.
High Watt - Toggle Controlled with S Hooks and Chain, Cord and Plug attached					
GRAH-18	AH18120TCCS	18"	120	350	6 lbs.
GRAH-24	AH24120TCCS	24"	120	500	7 lbs.
GRAH-30	AH30120TCCS	30"	120	660	8 lbs.
GRAH-36	AH36120TCCS	36"	120	800	9 lbs.
GRAH-42	AH42120TCCS	42"	120	950	10 lbs.
GRAH-48	AH48120TCCS	48"	120	1100	11 lbs.
GRAH-60	AH60120TCCS	60"	120	1400	14 lbs.
GRAH-72✦	AH72120TCCS.1	72"	120	1725	17 lbs.
High Watt - Infinite Controlled with S Hooks and Chain, Cord and Plug attached					
GRAH-24	AH24120ICCS	24"	120	500	7 lbs.
GRAH-36	AH36120ICCS	36"	120	800	9 lbs.
GRAH-48	AH48120ICCS	48"	120	1100	11 lbs.
GRAH-60	AH60120ICCS	60"	120	1400	14 lbs.

✦ Not available for Canada

GR A H - xx
Glo-Ray
Aluminum Housing
H = High Wattage
No Character = Standard Wattage
Width (inches)

Strip Heaters

Strip Heaters

GRAHL-36 with optional Sneeze Guards and adjustable tubular stands

A Stainless Steel or sturdy aluminum housings that do not sag, from 18" up to 144" (12') in 6" increments. Stainless Steel units available as single units without lights, up to 96" in width

B Shatter-resistant incandescent lights (standard on GRAL/GRAHL), optional halogen bulb available

C Heavy-duty insulation minimizes heat loss

D Standard Hanger Tabs are provided

E Aluminized reflector retains full heat intensity and directs more heat towards the edges of the holding surface

F Metal-sheathed heating element part guaranteed against burnout and breakage for two years

G Protective wire guard supports heating element without affecting heat distribution

Cutaway of a Glo-Ray® Infrared Strip Heater with lights

ALUMINUM STRIP HEATERS with LIGHTS with CONDUIT

Model	Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt					
GRAL-18	2	18"	120, 120/208 or 120/240	370	9 lbs.
GRAL-24	2	24"	120, 120/208 or 120/240	470	10 lbs.
GRAL-30	2	30"	120, 120/208 or 120/240	570	12 lbs.
GRAL-36	3	36"	120, 120/208 or 120/240	755	13 lbs.
GRAL-42	3	42"	120, 120/208 or 120/240	855	15 lbs.
GRAL-48	4	48"	120, 120/208 or 120/240	1040	17 lbs.
GRAL-54	4	54"	120, 120/208 or 120/240	1165	19 lbs.
GRAL-60	5	60"	120, 120/208 or 120/240	1350	21 lbs.
GRAL-66	5	66"	120, 120/208 or 120/240	1460	22 lbs.
GRAL-72	6	72"	120, 120/208 or 120/240	1635	24 lbs.
GRAL-84✓	7	84"	120, 120/208 or 120/240	1920	28 lbs.
GRAL-96✓	8	96"	120, 120/208 or 120/240	2205	32 lbs.
GRAL-108	9	108"	120, 120/208 or 120/240	2390	36 lbs.
GRAL-120	10	120"	120, 120/208 or 120/240	2700	40 lbs.
GRAL-132	11	132"	120, 120/208 or 120/240	2980	44 lbs.
GRAL-144	12	144"	120, 120/208 or 120/240	3270	48 lbs.
High Watt					
GRAHL-18	2	18"	120, 120/208 or 120/240	470	8 lbs.
GRAHL-24	2	24"	**120**, 120/208 or 120/240	620	10 lbs.
GRAHL-30	2	30"	120, 120/208 or 120/240	780	11 lbs.
GRAHL-36	3	36"	**120**, 120/208 or 120/240	980	13 lbs.
GRAHL-42	3	42"	120, 120/208 or 120/240	1130	16 lbs.
GRAHL-48	4	48"	**120**, 120/208 or 120/240	1340	17 lbs.
GRAHL-54	4	54"	120, 120/208 or 120/240	1490	19 lbs.
GRAHL-60	5	60"	120, 120/208 or 120/240	1700	21 lbs.
GRAHL-66✓	5	66"	120, 120/208 or 120/240	1860	22 lbs.
GRAHL-72✓	6	72"	120, 120/208 or 120/240	2085	34 lbs.
GRAHL-84✗	7	84"	120, 120/208 or 120/240	2470	40 lbs.
GRAHL-96 ✍	8	96"	120, 120/208 or 120/240	2880	53 lbs.
GRAHL-108	9	108"	120, 120/208 or 120/240	3040	45 lbs.
GRAHL-120	10	120"	120, 120/208 or 120/240	3400	40 lbs.
GRAHL-132	11	132"	120, 120/208 or 120/240	3780	44 lbs.
GRAHL-144	12	144"	120, 120/208 or 120/240	4170	48 lbs.

○ Does not include Remote Control Enclosure (RMB), see pages 103 and 104.
✓ When using an Infinite Control with 120 volt model, additional switch(es) and tandem (end-to-end) elements are required, cord not available.
✗ 120 volt models require additional switches and tandem (end-to-end) elements.
✍ 120 volt requires tandem.
↔ Models 108" and longer are tandem.

All Glo-Ray Aluminum Infrared Models with Conduit and Lights Feature:
Toggle Switch (max. 15 Amps) Location: Chef's left side – light side (unless otherwise specified).
Leads: 3' conduit with leads – server's right. NEMA 5-15P cord available on 120 volt models 72" or less with C-leg, T-leg stand or hook-chain mount. GRAHL-54, GRAHL-60, GRAL-66 & GRAL-72 require NEMA 5-20P cord for Canada. GRAHL-66 & GRAHL-72 require NEMA 5-20P cord - not available for Canada.
Dimensions: 18"-144"W x 9"D x 2½"H.

STAINLESS STEEL STRIP HEATERS with CONDUIT

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt				
GR-18	18"	120, 208 or 240	250	7 lbs.
GR-24	24"	120, 208 or 240	350	7 lbs.
GR-36	36"	120, 208 or 240	575	10 lbs.
GR-48	48"	120, 208 or 240	800	12 lbs.
GR-60	60"	120, 208 or 240	1050	15 lbs.
GR-72	72"	120, 208 or 240	1275	19 lbs.
GR-96○	96"	120, 208 or 240	1725	24 lbs.
High Watt				
GRH-18	18"	120, 208 or 240	350	8 lbs.
GRH-24	24"	120, 208 or 240	500	7 lbs.
GRH-36	36"	120, 208 or 240	800	10 lbs.
GRH-48	48"	120, 208 or 240	1100	13 lbs.
GRH-60	60"	120, 208 or 240	1400	16 lbs.
GRH-72⊘	72"	120, 208 or 240	1725	19 lbs.
GRH-96 ↔	96"	208 or 240	2400	24 lbs.

○ Does not include Remote Control Enclosure (RMB), see pages 103 and 104.
⊘ Infinite Switch not available in 120V.
↔ Models longer than 96" require tandem.

All Stainless Steel Models Feature:
Toggle Switch (max. 15 Amps) Location: Chef's left side.
Leads: 3' conduit with leads – server's right. NEMA 5-15P cord available on 120 volt models 72" or less with C-leg, T-leg stand or chain-hook mount. GRH-72 requires NEMA 5-20P cord for Canada.
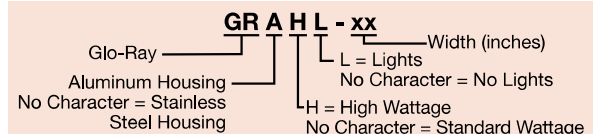**Dimensions:** 18"-96"W x 6"D x 2¾"H.

Contact factory for stainless marine applications.

OPTIONS AND ACCESSORIES – PAGE 79
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

GR A H L - xx
Glo-Ray ─────────
Width (inches)
L = Lights
No Character = No Lights
Aluminum Housing ─────
No Character = Stainless
Steel Housing
H = High Wattage
No Character = Standard Wattage

GRAHL-48
with optional
Sneeze Guard

OPTIONS *(available at time of purchase only)*

Designer Colors, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

COLOR-6	6" Housing for GRA and GRAH models (color selection below)
COLOR-9	9" Housing for GRAL and GRAHL models (color selection below)

RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper
BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green		

Gloss Finishes, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

GLOSS-6	6" Housing for GRA and GRAH models (finish selection below)
GLOSS-9	9" Housing for GRAL and GRAHL models (finish selection below)

RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black
GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue		

IND. LGT	Indicator Light (Remote Control only on all Tandem Element units)

Power Leads – Extended beyond standard 3' Conduit (must specify lead length) –

LEADS5	1'-5' extended Electrical Leads
LEADS10	6'-10' extended Electrical Leads
LEADS15	11'-15' extended Electrical Leads
LEADS20	16'-20' extended Electrical Leads

Sneeze Guards

9.375BP1	9⅜" Sneeze Guard (aluminum models only) one side
9.375BP2	9⅜" Sneeze Guard (aluminum models only) two sides
14BP1	14" Sneeze Guard (aluminum models only) one side
14BP2	14" Sneeze Guard (aluminum models only) two sides
HAL	60 Watt Halogen Bulb in lieu of standard Display Light (aluminum models only)
NO BULB	No bulb option (GRAL, GRAHL models only)
LIGHTS-ADD'L	Extra Lamps – Installed (max. two per foot less one per foot is standard) must be ordered with remote switches only, aluminum models only
3 ANEAL REFL	Bright Annealed Reflector for Lights (aluminum models only)
NO CONTROL	No control included (GRA, GRAH, GRAL, GRAHL, GR, GRH models only) Requires selection of RMB2-xx control - see page 103
BLT INF	Infinite Control Built-In in lieu of Toggle (max. 12.2 Amps) (remote installation recommended)
REM INF	Remote Infinite Switches in lieu of Toggle (max. 12.2 Amps)
REM TOG	Remote Toggle Switches (max. 15 Amps)
RMB	Remote Control Enclosure (available in *Designer* Colors or Gloss Finishes) – Non-standard colors are non-returnable –

Stands

ATL	Adjustable Tubular Stands 10"-14" (not available in *Designer* Colors) – Not available with cord
NTL-10, -12	Non-Adjustable Tubular Stands (specify 10" or 12" clearance) – Not available with cord
NTL-14, -16	Non-Adjustable Tubular Stands (specify 14" or 16" clearance) – Not available with cord
NTL-PAINT	*Designer* Color or Gloss Finish to match unit color for Non-Adjustable Tubular Stands – Non-standard colors are non-returnable –
CL-LOW	C-Leg Stands, standard Watt – 10" clearance (for models up to 72" wide) – Only available with cord
CL-HIGH	C-Leg Stands, High Watt – 13½" clearance (for models up to 72" wide) – Only available with cord
TL-10	T-Leg Stands, standard Watt – 10" clearance (for models only up to 72" wide) – Only available with cord
TL-13	T-Leg Stands, 13½" clearance (for models up to 72" wide) – Only available with cord
TL-16	T-Leg Stands, 16" clearance (for models up to 72" wide) – Only available with cord
TL-18	T-Leg Stands, 18" clearance (for models up to 72" wide) – Only available with cord
CAP	Attached 6' Cord and Plug Set (120V only) on models up to 72" wide, requires standard Chain Mount Kit (two S Hooks with two 6" lengths of chain) or add optional C-leg Stands or T-leg Stands **(see specific model for plug configuration)**
CHAIN-HOOK	Two S Hooks with two 6" lengths of chain

ACCESSORIES *(available for purchase at any time)*

ADJ ANGLE	Adjustable Angle Brackets (GRA, GRAH models only) (see page 102 for illustration)
ADJ ANGLE7	7" tall Adjustable Angle Brackets (see page 102 for illustration)
GR-ANGLE	Adjustable Angle Brackets (GR models only) (see page 102 for illustration)
CHAIN 1	Chain Suspension (see page 102 for illustration)

Chef LED Bulb 120V adjustable bulb – GRAL, GRAHL models only, all voltages

	GRAHL requires pass-through usage only and unit must be 10" or higher from surface – bulbs must be rotated down –
	CLED-3000-120 Similar to warm Halogen light **CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

Strip Heaters

Glo-Ray® Aluminium Dual Infrared Strip Heaters

Create a deeper holding area with Glo-Ray Aluminum Dual Infrared Strip Heaters mounted side-by-side, keeping hot food at optimum serving temperatures. The pre-focused heat pattern directs heat from a metal-sheathed element across the entire holding surface. The continuous aluminum housing and heavy-duty mountings ensure the durability and quality of Hatco products.

- Ensures maximum flavor, safety and holding time
- Provides even heat distribution, no "cold spots"
- Sturdy extruded aluminum housings that do not sag, from 18" to 144" (12')
- Reflector does not blacken, maintaining a consistent heat pattern
- Protective wire guard supports heating element without affecting heat distribution
- 3" or 6" spacer available
- Heavy-duty insulation minimizes heat loss
- Additional reflector styles and lower wattage elements available, consult factory for more information

GRAH-72D with optional *Designer* Warm Red, 6" spacer and tandem elements

GRA-36D with standard 3" spacer

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

NOTE: 120V models may require additional switches depending on unit or wattage.

Strip Heaters

GLO-RAY ALUMINUM DUAL INFRARED STRIP HEATERS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weigh
Standard Watt				
GRA-18D	18"	120, 208 or 240	500	14 lbs.
GRA-24D	24"	120, 208 or 240	700	16 lbs.
GRA-30D	30"	120, 208 or 240	900	18 lbs.
GRA-36D	36"	120, 208 or 240	1150	19 lbs.
GRA-42D	42"	120, 208 or 240	1350	23 lbs.
GRA-48D	48"	120, 208 or 240	1600	27 lbs.
GRA-54D	54"	120, 208 or 240	1850	30 lbs.
GRA-60D	60"	120, 208 or 240	2100	35 lbs.
GRA-66D	66"	120, 208 or 240	2320	36 lbs.
GRA-72D	72"	120, 208 or 240	2550	36 lbs.
GRA-84D′	84"	120, 208 or 240	3000	50 lbs.
GRA-96D′↔	96"	120, 208 or 240	3450	52 lbs.
GRA-108D⊙↔	108"	120, 208 or 240	3700	59 lbs.
GRA-120D⊙↔	120"	120, 208 or 240	4200	66 lbs.
GRA-132D⊙↔	132"	120, 208 or 240	4640	73 lbs.
GRA-144D⊙↔	144"	120, 208 or 240	5100	80 lbs.
High Watt				
GRAH-18D	18"	120, 208 or 240	700	14 lbs.
GRAH-24D	24"	**120**, 208 or 240	1000	16 lbs.
GRAH-30D	30"	120, 208 or 240	1320	18 lbs.
GRAH-36D	36"	**120**, 208 or 240	1600	19 lbs.
GRAH-42D	42"	120, 208 or 240	1900	24 lbs.
GRAH-48D	48"	**120**, 208 or 240	2200	27 lbs.
GRAH-54D	54"	120, 208 or 240	2500	30 lbs.
GRAH-60D	60"	120, 208 or 240	2800	37 lbs.
GRAH-66D′	66"	120, 208 or 240	3120	38 lbs.
GRAH-72D′	72"	120, 208 or 240	3450	36 lbs.
GRAH-84D⁄	84"	120, 208 or 240	4100	50 lbs.
GRAH-96D⁄↔	96"	120, 208 or 240	4800	52 lbs.
GRAH-108D⊙↔	108"	120, 208 or 240	5000	59 lbs.
GRAH-120D⊙↔	120"	120, 208 or 240	5600	66 lbs.
GRAH-132D⊙↔	132"	208 or 240	6240	73 lbs.
GRAH-144D⊙↔	144"	208 or 240	6900	80 lbs.

⁄ When using an infinite control with 120 volt model, additional switch(es) and tandem (end-to-end) elements are required.
⊙ Units are available with built-in toggle. Consult factory for additional charges.
⁄ 120 volt models require additional switches and tandem (end-to-end) elements.
↔ Models 96" and longer are tandem.

All Glo-Ray Aluminum Dual Infrared Models Feature:
Toggle Switch (max. 15 Amps) Location: Chef's left side (unless otherwise specified).
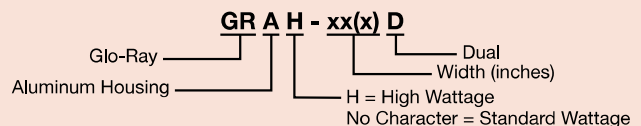**Leads:** 3' conduit with leads – server's right.
Dimensions: with 3" Spacer (standard): 18"-144"W x 15"D x 2½"H.
**with 6" Spacer:** 18"-144"W x 18"D x 2½"H.

GR A H - xx(x) D

Glo-Ray
Aluminum Housing
H = High Wattage
No Character = Standard Wattage
Dual
Width (inches)

Glo-Ray® Aluminium Dual Infrared Strip Heaters *continued*

A Shown with optional lights (shatter-resistant incandescent lights or halogen bulbs available)

B Sturdy extruded aluminum housings that do not sag, from 18" up to 144" (12')

C Reflector does not blacken, maintaining a consistent heat pattern

D Standard Hanger Tab is provided for under shelf or chain installation

E Heavy-duty insulation minimizes heat loss

F Metal-sheathed heating element part guaranteed against burnout and breakage for two years

G Protective wire guard supports heating element without affecting heat distribution

Cutaway of a Glo-Ray® Infrared Strip Heater with 3" spacer and lights
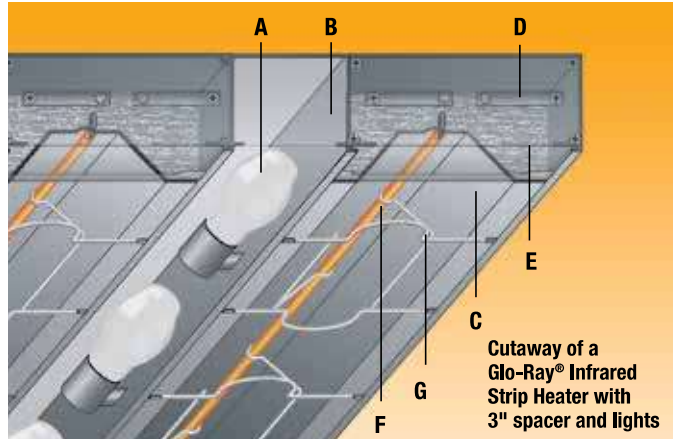
Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

GLO-RAY ALUMINUM DUAL INFRARED STRIP HEATERS WITH LIGHTS

Model	Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight
Standard Watt					
GRAL-18D	2	18"	120, 120/208 or 120/240	620	14 lbs.
GRAL-24D	2	24"	120, 120/208 or 120/240	820	16 lbs.
GRAL-30D	2	30"	120, 120/208 or 120/240	1020	19 lbs.
GRAL-36D	3	36"	120, 120/208 or 120/240	1330	22 lbs.
GRAL-42D	3	42"	120, 120/208 or 120/240	1530	25 lbs.
GRAL-48D⁄	4	48"	120, 120/208 or 120/240	1840	30 lbs.
GRAL-54D⁄	4	54"	120, 120/208 or 120/240	2090	34 lbs.
GRAL-60D⁄	5	60"	120, 120/208 or 120/240	2400	35 lbs.
GRAL-66D⁄	5	66"	120, 120/208 or 120/240	2620	39 lbs.
GRAL-72D⁄	6	72"	120, 120/208 or 120/240	2910	42 lbs.
GRAL-84D⁄⁄	7	84"	120, 120/208 or 120/240	3420	50 lbs.
GRAL-96D⁄⁄	8	96"	120, 120/208 or 120/240	3930	56 lbs.
GRAL-108D⁄∞	9	108"	120, 120/208 or 120/240	4240	64 lbs.
GRAL-120D⁄∞	10	120"	120, 120/208 or 120/240	4800	72 lbs.
GRAL-132D⁄∞	11	132"	120, 120/208 or 120/240	5300	79 lbs.
GRAL-144D⁄∞	12	144"	120, 120/208 or 120/240	5820	86 lbs.
High Watt					
GRAHL-18D	2	18"	120, 120/208 or 120/240	820	14 lbs.
GRAHL-24D	2	24"	**120**, 120/208 or 120/240	1120	16 lbs.
GRAHL-30D	2	30"	120, 120/208 or 120/240	1440	19 lbs.
GRAHL-36D⁄	3	36"	**120**, 120/208 or 120/240	1780	22 lbs.
GRAHL-42D⁄	3	42"	120, 120/208 or 120/240	2080	25 lbs.
GRAHL-48D⁄	4	48"	**120**, 120/208 or 120/240	2440	30 lbs.
GRAHL-54D⁄	4	54"	120, 120/208 or 120/240	2740	33 lbs.
GRAHL-60D⁄	5	60"	120, 120/208 or 120/240	3100	37 lbs.
GRAHL-66D⁄⁄	5	66"	120, 120/208 or 120/240	3420	38 lbs.
GRAHL-72D⁄⁄	6	72"	120, 120/208 or 120/240	3810	42 lbs.
GRAHL-84D⁄∞	7	84"	120, 120/208 or 120/240	4520	50 lbs.
GRAHL-96D⁄∞	8	96"	120, 120/208 or 120/240	5280	54 lbs.
GRAHL-108D⁄∞	9	108"	120, 120/208 or 120/240	5540	64 lbs.
GRAHL-120D⁄∞	10	120"	120, 120/208 or 120/240	6200	72 lbs.
GRAHL-132D∞	11	132"	120, 120/208 or 120/240	6900	79 lbs.
GRAHL-144D∞	12	144"	120/208 or 120/240	7620	86 lbs.

⁄ When using an infinite control with 120 volt model, additional switch(es) and tandem (end-to-end) elements required.

⁄ 120v models with infinite controls require additional switches.

∞ Glo-Ray models 108"–144" and 120V models of GRAH(L)-84D and GRAH(L)-96D contain tandem (end-to-end) elements that may be individually controlled.

All Glo-Ray Aluminum Dual Models with Lights Feature:
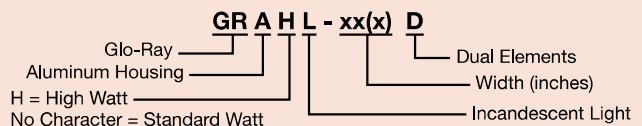**Toggle Switch (max. 15 Amps) Location:** Chef's left side (unless otherwise specified). Built-In infinite switch not available.
Leads: 3' conduit with leads – server's right.
Dimensions: with 3" Spacer (standard): 15"D x 2½"H.
              with 6" Spacer: 18"D x 2½"H.

OPTIONS AND ACCESSORIES – PAGE 82
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

NOTE: For multiple circuit control options used with optional Tubular Stand Supports (ATL or NTL), the power supply may need to be located somewhere other than through the Tubular Stand. Consult factory for details.

GR A H L - xx(x) D

Glo-Ray
Aluminum Housing
H = High Watt
No Character = Standard Watt
Dual Elements
Width (inches)
Incandescent Light

Strip Heaters

A series of **GRAH–60D** models

Strip Heaters

OPTIONS *(available at time of purchase only)*

Designer Colors, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

COLOR-15, -18	15" and 18" Housings for GRA, GRAH, GRAL and GRAHL Dual models (Clear Anodized standard)					
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green

Gloss Finishes, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

GLOSS-15, -18	15" and 18" Housings for GRA, GRAH, GRAL and GRAHL Dual models (Clear Anodized standard)				
	RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK** Bold Black
	GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue	

IND. LGT	Indicator Light (remote only)

Power Leads – Extended beyond standard 3' Conduit (must specify lead length) –

LEADS5	1'-5' extended Electrical Leads
LEADS10	6'-10' extended Electrical Leads
LEADS15	11'-15' extended Electrical Leads
LEADS20	16'-20' extended Electrical Leads
9.375BP1	9⅜" Sneeze Guard, one side
9.375BP2	9⅜" Sneeze Guard, two sides
14BP1	14" Sneeze Guard, one side
14BP2	14" Sneeze Guard, two sides
HAL	60 Watt Halogen Bulb in lieu of standard Display Light
NO BULB	No bulb option (GRAL-xxD, GRAHL-xxD models only)
LIGHTS-ADD'L	Extra Lamps – Installed (maximum two per foot less one – one per foot is standard)
3 ANEAL REFL	Bright Annealed Reflector for lights with 3" Spacer
6 ANEAL REFL	Bright Annealed Reflector for lights with 6" Spacer
NO CONTROL	No control included (GRA, GRAH, GRAL, GRAHL-xxD models only) Requires selection of RMB2-xx control **(see page 103)**
REM INF	Remote Infinite Switches (max. 12.2 Amps)
REM TOG	Remote Toggle Switches (max. 15 Amps)
RMB	Remote Control Enclosure (available in *Designer* Colors or Gloss Finishes) – Non-standard colors are non-returnable – Clear Anodized standard –
ATL-D	Adjustable Tubular Stands 10"-14" (not available in *Designer* Colors)
NTL-10-D, -12-D	Non-Adjustable Tubular Stands (specify 10" or 12" clearance)
NTL-14-D, -16-D	Non-Adjustable Tubular Stands (specify 14" or 16" clearance)
NTL-PAINT-D	*Designer* Color or Gloss Finish for Non-Adjustable Tubular Stands to match unit color – Non-standard colors are non-returnable –

ACCESSORIES *(available for purchase at any time)*

ADJ ANGLE-D	Adjustable Angle Brackets for Dual models (see page 102 for illustration)
ADJ ANGLE7-D	7" tall Adjustable Angle Brackets for Dual models (see page 102 for illustration)
CHAIN 1	Chain Suspension (see page 102 for illustration)

Chef LED 120V adjustable bulb – GRAL-xxD, GRAHL-xxD models only, all voltages – pass-through usage only

	GRAL-xxD must be 15" or higher from surface, GRAHL-xxD must be 18" or higher from surface as pass through – Bulbs must be rotated down –
	CLED-3000-120 Similar to warm Halogen light **CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

Glo-Ray® Aluminium Max Watt Infrared Strip Heaters

Safely hold the temperature of your product without drying out or further cooking food with Hatco's Glo-Ray Aluminium Max Watt Infrared Strip Heaters. The end result is hot, fresh food that's ready-to-serve. The continuous aluminum housing and heavy-duty mountings ensure the durability and quality of Hatco products.

- Features 25% greater wattage output than Glo-Ray high watt by comparison with single units varying in watts from 450 to 4150 watts; and units with lights varying from 570 to 4870 watts
- Sturdy extruded aluminum housings that do not sag, from 18" to 72" in 6" increments and 84" to 144" in 12" increments
- Protective wire guards under heating element
- Available options include Built-in Toggle Control, Toggle Control Remote Box, Electronic Infinite Control Remote Box or loose Remote Controls.

- Shatter-resistant incandescent lights (standard on GRAML models) enhance product display while safeguarding food products from bulb breakage. An optional halogen bulb may be used in lieu of incandescents
- Additional reflector styles available, consult factory for more information
- Heavy-duty insulation minimizes heat loss

GRAML-36 with shatter-resistant incandescent lights and standard angle brackets

GRAM-36

GLO-RAY ALUMINUM MAX WATT INFRARED STRIP HEATERS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight ♠
Max Watt				
GRAM-18	18"	120, 208 or 240	450	9 lbs.
GRAM-24	24"	120, 208 or 240	650	10 lbs.
GRAM-30	30"	120, 208 or 240	825	10 lbs.
GRAM-36	36"	120, 208 or 240	1000	12 lbs.
GRAM-42	42"	120, 208 or 240	1175	12 lbs.
GRAM-48	48"	120, 208 or 240	1300	15 lbs.
GRAM-54	54"	120, 208 or 240	1500	16 lbs.
GRAM-60	60"	120, 208 or 240	1700	17 lbs.
GRAM-66 ↗	66"	120, 208 or 240	1875	21 lbs.
GRAM-72 ↗	72"	120, 208 or 240	2075	21 lbs.
GRAM-84 ☘	84"	120, 208 or 240	2400	22 lbs.
GRAM-96 ☘	96"	120, 208 or 240	2675	25 lbs.
GRAM-108 ∞	108"	208 or 240	3000	23 lbs.
GRAM-120 ∞	120"	208 or 240	3400	26 lbs.
GRAM-132 ∞	132"	208 or 240	3750	30 lbs.
GRAM-144 ∞	144"	208 or 240	4150	33 lbs.

♠ Add 2-8 lbs. depending on Remote Control Enclosure (RMB).
⊙ Includes either Remote Control Enclosure (RMB) with toggle switch(es) and indicator light(s) or Attached Control Enclosure with toggle switch(es) except as noted (please specify).
↗ 120 volt models with built in controls require tandem (end-to-end) elements.
☘ 120 volt models require additional switches and tandem (end-to-end) elements.
∞ Models contain tandem (end-to-end) elements that may be individually controlled.

All Glo-Ray Aluminum Max Watt Infrared Models Feature:
Includes: Angle Brackets and Attached or Remote Control Enclosure (RMB).
Leads: 3' conduit with leads – server's right.
Dimensions: 18"-144"W x 6"D x 2½"H.

GLO-RAY ALUMINUM MAX WATT INFRARED STRIP HEATERS with LIGHTS

Model	Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight ♠
Max Watt					
GRAML-18	2	18"	120, 120/208 or 120/240	570	10 lbs.
GRAML-24	2	24"	120, 120/208 or 120/240	770	13 lbs.
GRAML-30	2	30"	120, 120/208 or 120/240	945	15 lbs.
GRAML-36	3	36"	120, 120/208 or 120/240	1180	15 lbs.
GRAML-42	3	42"	120, 120/208 or 120/240	1355	19 lbs.
GRAML-48	4	48"	120, 120/208 or 120/240	1540	20 lbs.
GRAML-54	4	54"	120, 120/208 or 120/240	1740	24 lbs.
GRAML-60 ⊗	5	60"	120, 120/208 or 120/240	2000	22 lbs.
GRAML-66 ⊗↗	5	66"	120, 120/208 or 120/240	2175	25 lbs.
GRAML-72 ⊗↗	6	72"	120, 120/208 or 120/240	2435	29 lbs.
GRAML-84 ☘⊗	7	84"	120, 120/208 or 120/240	2820	32 lbs.
GRAML-96 ☘⊘	8	96"	120, 120/208 or 120/240	3155	37 lbs.
GRAML-108 ∞⊘	9	108"	120/208 or 120/240	3540	36 lbs.
GRAML-120 ∞⊘	10	120"	120/208 or 120/240	4000	40 lbs.
GRAML-132 ∞⊘	11	132"	120/208 or 120/240	4410	44 lbs.
GRAML-144 ∞⊘	12	144"	120/208 or 120/240	4870	48 lbs.

♠ Add 2-8 lbs. depending on Remote Control Enclosure (RMB).
⊙ Includes Remote Control Enclosure (RMB) with toggle switch(es) and indicator light(s) or Attached Control Enclosure with toggle switch(es) except as noted (please specify).
⊗ 120 volt models not available with Built-in Controls.
↗ 120 volt models with built in controls require tandem (end-to-end) elements.
☘ 120 volt models require additional switches and tandem (end-to-end) elements.
∞ Models contain tandem (end-to-end) elements that may be individually controlled.
⊘ All voltages not available with Built-in Controls.

All Glo-Ray Aluminum Max Watt Infrared Models with Lights Feature:
Includes: Angle Brackets and Attached or Remote Control Enclosure (RMB).
Leads: 3' conduit with leads – server's right.
Dimensions: 18"-144"W x 9"D x 2½"H.

<mark>OPTIONS AND ACCESSORIES – PAGE 84
RECOMMENDED MOUNTING HEIGHTS – PAGE 101</mark>

GR A M L - xx(x)
Glo-Ray ────────────┐   ┌──── Width (inches)
Aluminum Housing ───────────┐   └──── L = Incandescent Light
Max Watt ──────────────┘   No Character = No Light

Strip Heaters

GRAML-48
with standard
angle brackets

Strip Heaters

OPTIONS (available at time of purchase only)

Designer Colors, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

COLOR-6	6" Housing for GRAM models					
	RED Warm Red	**GRAY** Gray Granite	**NAVY** Navy Blue	**COPPER** Antique Copper		
	BLACK Black	**WHITE** White Granite	**GREEN** Hunter Green			
COLOR-9	9" Housing for GRAML models					
	RED Warm Red	**GRAY** Gray Granite	**NAVY** Navy Blue	**COPPER** Antique Copper		
	BLACK Black	**WHITE** White Granite	**GREEN** Hunter Green			
RMB-COLOR	Remote Control Enclosure Housing in *Designer* Colors (select color below)					
	RED Warm Red	**GRAY** Gray Granite	**NAVY** Navy Blue	**COPPER** Antique Copper		
	BLACK Black	**WHITE** White Granite	**GREEN** Hunter Green			

Gloss Finishes, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

GLOSS-6	6" Housing for GRAM models		
	RRED Radiant Red	**GGRAY** Glossy Gray	**BBLACK** Bold Black
	GGOLD Gleaming Gold	**BBLUE** Brilliant Blue	
GLOSS-9	9" Housing for GRAML models		
	RRED Radiant Red	**GGRAY** Glossy Gray	**BBLACK** Bold Black
	GGOLD Gleaming Gold	**BBLUE** Brilliant Blue	
RMB-GLOSS	Remote Control Enclosure Housing in Gloss Finishes **– Non-standard colors are non-returnable – Clear Anodized standard –**		
	RRED Radiant Red	**GGRAY** Glossy Gray	**BBLACK** Bold Black
	GGOLD Gleaming Gold	**BBLUE** Brilliant Blue	

Power Leads – Extended beyond standard 3' Conduit (must specify lead length) –

HTLEADS5	1'-5' extended Electrical Leads
HTLEADS10	6'-10' extended Electrical Leads
HTLEADS15	11'-15' extended Electrical Leads
HTLEADS20	16'-20' extended Electrical Leads
3 ANEAL REFL	Bright Annealed Reflector for lights with 3" Spacer
RMB-GRAM-INF	Remote Control Enclosure with Toggle Control Switch, Electronic Infinite Control, Relay and Indicator Light (in lieu of standard Remote Control Enclosure)
BLT TOG	Built in Control - available for GRAML models only
NTL-14, -16	Non-Adjustable Tubular Stands – specify 14" or 16" clearance
NTL-18, -20	Non-Adjustable Tubular Stands – specify 18" or 20" clearance
NTL-22, -24	Non-Adjustable Tubular Stands – specify 22" or 24" clearance
NTL-PAINT	*Designer* Color or Gloss Finish for Non-Adjustable Tubular Stands (one pair) – Non-standard colors are non-returnable –

	RED Warm Red	**GRAY** Gray Granite	**NAVY** Navy Blue	**COPPER** Antique Copper
	BLACK Black	**WHITE** White Granite	**GREEN** Hunter Green	
	RRED Radiant Red	**GGRAY** Glossy Gray	**BBLACK** Bold Black	
	GGOLD Gleaming Gold	**BBLUE** Brilliant Blue		

CAP	Attached 6' Cord and Plug Set (120V only) on models up to 48" requires built-in controls and standard Chain Mount Kit: Two S Hooks with two 6" lengths of chain (available for GRAM models only)
CHAIN-HOOK	Two S Hooks with two 6" lengths of chain
HAL	60 Watt Halogen Bulb in lieu of standard Display Light
NO BULB	No bulb option (GRAML models only)

ACCESSORIES (available for purchase at any time)

CHAIN 1	Chain Suspension

Chef LED 120V adjustable bulb – GRAML-xx models only, all voltages – pass-through usage only

GRAML-xx must be 13" or higher from surface as pass through – bulbs must be rotated down –
CLED-3000-120 Similar to warm Halogen light   **CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

Glo-Ray® Aluminum Max Watt Dual Infrared Strip Heaters

Create a deeper holding area with Glo-Ray Aluminium Max Watt Dual Aluminum Infrared Strip Heaters mounted side-by-side, keeping hot food at optimum serving temperatures. The pre-focused heat pattern directs heat from a metal-sheathed element, bathing the entire holding surface. The continuous aluminum housing and heavy-duty mountings ensure the durability and quality of Hatco products.

- Features 25% greater wattage output than Glo-Ray high watt by comparison with dual units varying in wattage from 900 to 8300 watts; and units with lights varying from 1020 to 9020 watts
- Sturdy extruded aluminum housings that do not sag, from 18" to 72" in 6" increments and 84" to 144" in 12" increments
- Protective wire guard supports heating element without affecting heat distribution
- 3" or 6" spacer available

- Heavy-duty insulation minimizes heat loss
- Shatter-resistant incandescent lights (standard on GRAML models) enhance product display while safeguarding food products from bulb breakage. An optional halogen bulb may be used in lieu of incandescents
- Additional reflector styles available, consult factory for more information

GRAM-36D
with standard 3" spacer

GLO-RAY ALUMINUM MAX WATT DUAL INFRARED STRIP HEATERS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight■
Max Watt				
GRAM-18D	18"	120, 208 or 240	900	13 lbs.
GRAM-24D	24"	120, 208 or 240	1300	18 lbs.
GRAM-30D	30"	120, 208 or 240	1650	20 lbs.
GRAM-36D	36"	120, 208 or 240	2000	23 lbs.
GRAM-42D	42"	120, 208 or 240	2350	27 lbs.
GRAM-48D	48"	120, 208 or 240	2600	34 lbs.
GRAM-54D	54"	120, 208 or 240	3000	32 lbs.
GRAM-60D	60"	120, 208 or 240	3400	35 lbs.
GRAM-66D⁄	66"	120, 208 or 240	3750	37 lbs.
GRAM-72D⁄	72"	120, 208 or 240	4150	43 lbs.
GRAM-84D⁄	84"	120, 208 or 240	4800	44 lbs.
GRAM-96D⁄☑	96"	120, 208 or 240	5350	54 lbs.
GRAM-108D☑	108"	208 or 240	6000	59 lbs.
GRAM-120D☑	120"	208 or 240	6800	66 lbs.
GRAM-132D☑	132"	208 or 240	7500	73 lbs.
GRAM-144D☑	144"	208 or 240	8300	80 lbs.

■ Add 2-8 lbs. depending on Remote Control Enclosure (RMB).
⊙ Includes Remote Control Enclosure (RMB) with toggle switch(es) and indicator light(s). Built-in controls not available.
⁄ 120v models require tandem (end-to-end) elements.
☑ Units longer than 96" require tandem regardless of voltage.

All Glo-Ray Aluminum Max Watt Dual Infrared Models Feature:
Includes: Angle Brackets and Remote Control Enclosure (RMB).
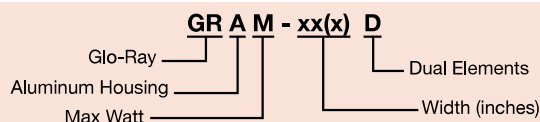**Leads:** 3' conduit with leads – server's right.
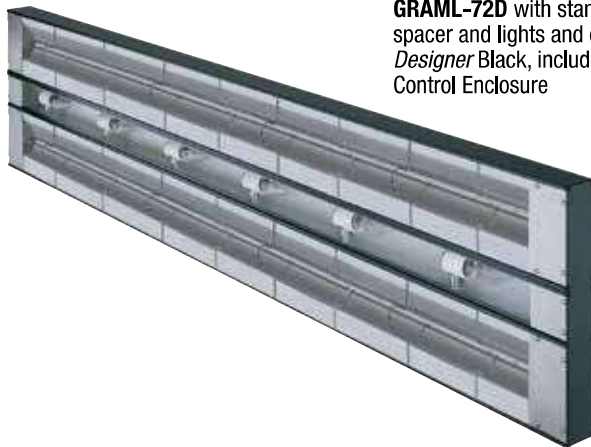**Dimensions: with 3" Spacer (standard):** 18"-144"W x 15"D x 2½"H.
    with 6" Spacer: 18"-144"W x 18"D x 2½"H.

GR A M - xx(x) D
- Glo-Ray
- Aluminum Housing
- Max Watt
- Dual Elements
- Width (inches)

Strip Heaters

GRAML-72D with standard 3"
spacer and lights and optional Black
Designer Black, includes Remote
Control Enclosure

Strip Heaters

GLO-RAY ALUMINUM MAX WATT DUAL INFRARED STRIP HEATERS with LIGHTS

Model	Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight■
Max Watt					
GRAML-18D	2	18"	120, 120/208 or 120/240	1020	15 lbs.
GRAML-24D	2	24"	120, 120/208 or 120/240	1420	19 lbs.
GRAML-30D	2	30"	120, 120/208 or 120/240	1770	20 lbs.
GRAML-36D	3	36"	120, 120/208 or 120/240	2180	22 lbs.
GRAML-42D	3	42"	120, 120/208 or 120/240	2530	29 lbs.
GRAML-48D	4	48"	120, 120/208 or 120/240	2840	33 lbs.
GRAML-54D	4	54"	120, 120/208 or 120/240	3240	34 lbs.
GRAML-60D	5	60"	120, 120/208 or 120/240	3700	38 lbs.
GRAML-66D↗	5	66"	120, 120/208 or 120/240	4050	43 lbs.
GRAML-72D↗	6	72"	120, 120/208 or 120/240	4510	45 lbs.
GRAML-84D↗	7	84"	120, 120/208 or 120/240	5220	49 lbs.
GRAML-96D✓	8	96"	120, 120/208 or 120/240	5830	60 lbs.
GRAML-108D	9	108"	120/208 or 120/240	6540	64 lbs.
GRAML-120D	10	120"	120/208 or 120/240	7400	72 lbs.
GRAML-132D	11	132"	120/208 or 120/240	8160	79 lbs.
GRAML-144D	12	144"	120/208 or 120/240	9020	86 lbs.

⊙ Includes Remote Control Enclosure (RMB) with toggle switch(es) and indicator light(s). Built-In controls not available.
■ Add 2-8 lbs. depending on Remote Control Enclosure (RMB).
↗ 120 volt units reqiure tandem (end to end) elements.
✓ GRAML-96D 120v not available with infinite controls.
Note: Other control options available, consult factory.

All Glo-Ray Aluminum Max Watt Dual Infrared Models with Lights Feature:
Includes: Angle Brackets and Remote Control Enclosure (RMB).
Leads: 3' conduit with leads – server's right.
Dimensions: with 3" Spacer (standard): 15"D x 2½"H.
　　　　　　with 6" Spacer: 18"D x 2½"H.

<mark>**OPTIONS AND ACCESSORIES – PAGE 87**
RECOMMENDED MOUNTING HEIGHTS – PAGE 101</mark>

GR A M L - xx (x) D

Glo-Ray
Aluminum Housing
Max Watt
Dual Elements
Width (inches)
Incandescent Light

GRAML-60D with optional
non-adjustable tubular stands

Strip Heaters

OPTIONS (available at time of purchase only)

Designer Colors, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

COLOR-15, -18	15" and 18" Housings for GRAM and GRAML Dual models						
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green	

RMB-COLOR	Remote Control Enclosure Housing in *Designer* Colors – Non-standard colors are non-returnable – Clear Anodized standard –						
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green	

Gloss Finishes, aluminum models 18"-144" – Non-standard colors are non-returnable – Clear Anodized standard –

GLOSS-15, -18	15" and 18" Housings for GRAM and GRAML Dual models				
	RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK** Bold Black
	GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue	

RMB-GLOSS	Remote Control Enclosure Housing in Gloss Finishes				
	RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK** Bold Black
	GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue	

Power Leads – Extended beyond standard 3' Conduit (must specify lead length) –

HTLEADS5	1'-5' extended Electrical Leads
HTLEADS10	6'-10' extended Electrical Leads
HTLEADS15	11'-15' extended Electrical Leads
HTLEADS20	16'-20' extended Electrical Leads
RMB-GRAM-INF	Remote Control Enclosure with Toggle Control Switch, Electronic Infinite Control, Relay and Indicator Light (in lieu of standard Remote Control Enclosure)
3 ANEAL REFL	Bright Annealed Reflector for lights with 3" Spacer
6 ANEAL REFL	Bright Annealed Reflector for lights with 6" Spacer

Stands

NTL-18-D, -20-D	Non-Adjustable Tubular Stands (specify 18" or 20" clearance)
NTL-22-D, -24-D	Non-Adjustable Tubular Stands (specify 22" or 24" clearance)
NTL-PAINT-D	*Designer* Color or Gloss Finish for Non-Adjustable Tubular Stands to match unit color – Non-standard colors are non-returnable –
HAL	60 Watt Halogen Bulb in lieu of standard Display Light
NO BULB	No bulb option (GRAML-xxD models only)

ACCESSORIES (available for purchase at any time)

Chef LED 120V adjustable bulb – GRAML-xxD models only, all voltages – pass-through usage only –

	GRAML-xxD must be 18" to 24" from surface as pass through – bulbs must be rotated down –
	CLED-3000-120 Similar to warm Halogen light **CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

Glo-Ray® Narrow Infrared Strip Heaters

Hatco Glo-Ray® Narrow Infrared Strip Heaters keep all hot foods at optimum serving temperatures longer, while the slim design fits ideally in buffet areas. Even the most delicate dishes hold that "just-prepared" look. The entire holding surface is heated evenly with no "cold" spots.

- Slim design that's 2" high and 4" deep
- Available in widths from 18"-72"
- Pre-focused heat pattern maintains serving temperatures longer without continuing to cook the food
- Optional Remote Control Enclosure (RMB) available in *Designer* Colors

**Toggle Switch:** Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

Only 2" High and 4" Deep!

GRN-24 in standard *Designer* Black with standard angle brackets

Strip Heaters

GLO-RAY NARROW INFRARED STRIP HEATERS

Model	Width	Voltage (Single Phase)	Watts	Approx. Ship Weight
Standard Watt				
GRN-18	18"	120, 208 or 240	250	5 lbs.
GRN-24	24"	120, 208 or 240	350	6 lbs.
GRN-30	30"	120, 208 or 240	450	9 lbs.
GRN-36	36"	120, 208 or 240	575	9 lbs.
GRN-42	42"	120, 208 or 240	675	9 lbs.
GRN-48	48"	120, 208 or 240	800	11 lbs.
GRN-54	54"	120, 208 or 240	925	12 lbs.
GRN-60	60"	120, 208 or 240	1050	13 lbs.
GRN-66	66"	120, 208 or 240	1160	16 lbs.
GRN-72	72"	120, 208 or 240	1275	17 lbs.
High Watt				
GRNH-18	18"	120, 208 or 240	350	7 lbs.
GRNH-24	24"	120, 208 or 240	500	6 lbs.
GRNH-30	30"	120, 208 or 240	660	7 lbs.
GRNH-36	36"	120, 208 or 240	800	8 lbs.
GRNH-42	42"	120, 208 or 240	950	9 lbs.
GRNH-48	48"	120, 208 or 240	1100	11 lbs.
GRNH-54	54"	120, 208 or 240	1250	12 lbs.
GRNH-60	60"	120, 208 or 240	1400	13 lbs.
GRNH-66 ✔	66"	120, 208 or 240	1560	16 lbs.
GRNH-72 ✔	72"	120, 208 or 240	1725	17 lbs.

○ Does not include Remote Control Enclosure (RMB), see pages 103 and 104.

✔ Infinite Switch not available in 120V. RMB2-1R series Remote Control Enclosure (RMB) required for infinite control.

Cutaway of a Glo-Ray® Infrared Strip Heater

A

B

C
D
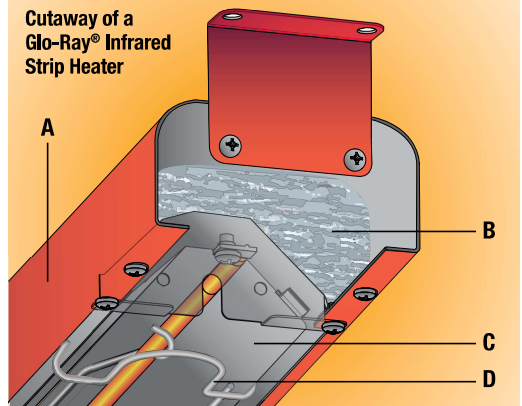
A Sturdy housing available in optional Stainless Steel or six optional *Designer* Colors (*Designer* Black standard)

B Heavy-duty insulation minimizes heat loss

C Aluminized reflector retains full heat intensity and directs more heat towards edges of holding surface

D Protective wire guard supports heating element without affecting heat distribution

All Glo-Ray Narrow Infrared Models Feature:
Toggle Switch (max. 15 Amps) with **Indicator Light Location:** Chef's left side (unless otherwise specified).
Designer **Color Angle Brackets:** To match unit color and provide 1½" clearance between strip heater and overshelf. Non-standard colors are non-returnable.
Leads: 6" leads – server's right. **Dimensions:** 18"-72"W x 4"D x 2"H.

RECOMMENDED MOUNTING HEIGHTS – PAGE 101

COLORS AND FINISHES – INSIDE BACK COVER

GR N H - xx

Glo-Ray ─── │ │ └── Width (inches)
Narrow Housing ─── │ No Character = Standard Watt
H = High Watt

OPTIONS (available at time of purchase only)
Designer Colors, models 18"-72" – Non-standard colors are non-returnable – Black Standard –

RED	Warm Red	**WHITE**	White Granite	**GREEN**	Hunter Green
GRAY	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper

Stainless Steel – Non-standard colors are non-returnable –
   SS   Stainless Steel

Power Leads (must specify lead length) –
|	
LEADS5	1'-5' extended Electrical Leads
LEADS10	6'-10' extended Electrical Leads
LEADS15	11'-15' extended Electrical Leads
LEADS20	16'-20' extended Electrical Leads
NO CONTROL	No control included – Requires selection of RMB2-xx control – see page 103
RMB	Remote Control Enclosure (available in *Designer* Colors or Gloss Finishes) – Non-standard colors are non-returnable –
TABS	Stainless steel Hanger tabs in lieu of angle brackets
CAP	Attached 6' Cord and Plug Set (120V only) on models up to 72" with Standard Chain Mount Kit (two S Hooks with two 6" lengths of chain) and hanger tabs (max. 1800 Watt)
CHAIN-HOOK	Two S Hooks with two 6" lengths of chain
NTL-10, -12	Non-Adjustable Tubular Stands (specify 10" or 12" clearance and power location)
NTL-14, -16	Non-Adjustable Tubular Stands (specify 14" or 16" clearance and power location)
NTL-PAINT	*Designer* Color for Non-Adjustable Tubular Stands to match unit color – Non-standard colors are non-returnable –
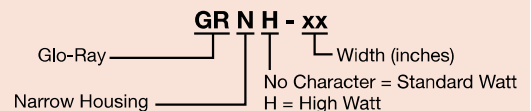
Glo-Ray® Narrow Max Watt Infrared Strip Heaters

Glo-Ray® Narrow Max Watt Infrared Strip Heaters keep all hot foods at optimum serving temperatures longer, while the slim design fits ideally in buffet areas. The entire holding surface is heated evenly with no "cold" spots.

- Slim design that's 2" high and 4" deep
- Available in widths from 18"-72"
- Pre-focused heat pattern maintains serving temperatures longer without continuing to cook the food
- Available in Stainless Steel only

Only 2" High and 4" Deep!

GRNM-24 in standard Stainless Steel with standard angle brackets

GLO-RAY NARROW MAX WATT INFRARED STRIP HEATERS (must specify RMB)

Model	Width	Voltage (Single Phase)	Watts	Approx. Ship Weight
GRNM-18	18"	120, 208 or 240	450	7 lbs.
GRNM-24	24"	120, 208 or 240	650	8 lbs.
GRNM-30	30"	120, 208 or 240	825	9 lbs.
GRNM-36	36"	120, 208 or 240	1000	10 lbs.
GRNM-42	42"	120, 208 or 240	1175	11 lbs.
GRNM-48	48"	120, 208 or 240	1300	13 lbs.
GRNM-54 ⚘	54"	120, 208 or 240	1500	13 lbs.
GRNM-60 ⚘	60"	120, 208 or 240	1700	13 lbs.
GRNM-66 ⚘	66"	120, 208 or 240	1875	16 lbs.
GRNM-72 ⚘	72"	120, 208 or 240	2075	16 lbs.

○ Does not include Remote Control Enclosure (RMB), see pages 103 and 104.
⚘ Infinite Switch not available in 120V. RMB2-1R series Remote Control Enclosure (RMB) required for infinite control.

All Glo-Ray Narrow Max Watt Infrared Models Feature:
Angle Brackets: Provides 1½" clearance between strip heater and overshelf.
**Leads:** 6" leads – server's right.
Dimensions: 18"-72"W x 4"D x 2"H.

RECOMMENDED MOUNTING HEIGHTS – PAGE 101

OPTIONS (available at time of purchase only)

Power Leads – Extended beyond Standard 6" Leads (must specify lead length) –

HTLEADS5	1'-5' extended Electrical Leads
HTLEADS10	6'-10' extended Electrical Leads
HTLEADS15	11'-15' extended Electrical Leads
HTLEADS20	16'-20' extended Electrical Leads
NO CONTROL	No control included – Requires selection of RMB2-xx control – see page 103
RMB	Requires Remote Control Enclosure – Not available with Built-In controls
BLT INF	Infinite Control Built-In in lieu of Toggle (max. 12.2 Amps) (remote installation recommended)
NTL-14, -16	Non-Adjustable Tubular Stands (specify 14" or 16" clearance and power location)

GR N M - xx

Glo-Ray
Narrow Housing
Width (inches)
M = Max Wattage
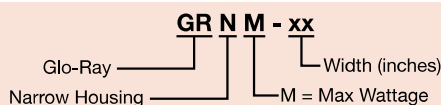
Strip Heaters

Glo-Ray® Aluminum Infra-Black® High Watt Strip Heaters

For foodwarming at a close range to food product, the Glo-Ray® Infra-Black® heat technology is ideal, emitting a solid panel of uniform heat. Sturdy continuous single or dual extruded aluminum housings assure quality, durability and a variety of widths, depths, mounting arrangements and colors will fit your operation.

- Provides ideal amount of heat for limited space operations, mounted 4" to 10" above target surface for singles and 8" to 14" for duals
- Metal-sheathed heating element part guaranteed against burnout and breakage for two years
- Infra-Black emitter provides even heat distribution – eliminating hot spots

- Sturdy aluminum housings that do not sag, from 18" to 72" in 6" increments
- Heavy-duty insulation keeps the exterior housing cool
- Optional wire guard available to protect user from incidental contact with heated surface
- Optional 3" or 6" spacer available on dual models with or without lights *(see next page)*

GRAIH-36 with optional wire guard, requires TCBI or Remote Control Enclosure (RMB)

GRAIH-36 with optional TCBI control box and wire guard

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

Strip Heaters

GLO-RAY ALUMINUM INFRA-BLACK HIGH WATT STRIP HEATERS
(must specify RMB or TCBI)

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
GRAIH-18	18"	120, 208 or 240	350	10 lbs.
GRAIH-24	24"	120, 208 or 240	500	11 lbs.
GRAIH-30	30"	120, 208 or 240	660	12 lbs.
GRAIH-36	36"	120, 208 or 240	800	13 lbs.
GRAIH-42	42"	120, 208 or 240	950	16 lbs.
GRAIH-48	48"	120, 208 or 240	1100	16 lbs.
GRAIH-54	54"	120, 208 or 240	1250	18 lbs.
GRAIH-60	60"	120, 208 or 240	1400	19 lbs.
GRAIH-66✓	66"	120, 208 or 240	1560	23 lbs.
GRAIH-72✓	72"	120, 208 or 240	1725	25 lbs.

GLO-RAY ALUMINUM INFRA-BLACK HIGH WATT STRIP HEATERS with LIGHTS
(must specify RMB or TCBI)

Model	No. of Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
GRAIHL-18	2	18"	120, 120/208 or 120/240	470	12 lbs.
GRAIHL-24	2	24"	120, 120/208 or 120/240	620	14 lbs.
GRAIHL-30	2	30"	120, 120/208 or 120/240	780	16 lbs.
GRAIHL-36	3	36"	120, 120/208 or 120/240	980	18 lbs.
GRAIHL-42	3	42"	120, 120/208 or 120/240	1130	20 lbs.
GRAIHL-48	4	48"	120, 120/208 or 120/240	1340	22 lbs.
GRAIHL-54	4	54"	120, 120/208 or 120/240	1490	24 lbs.
GRAIHL-60	5	60"	120, 120/208 or 120/240	1700	26 lbs.
GRAIHL-66✓	5	66"	120, 120/208 or 120/240	1860	28 lbs.
GRAIHL-72✓◉	6	72"	120, 120/208 or 120/240	2085	30 lbs.

○ Does not include Remote Control Enclosure (RMB).

❍ Does not include Remote Control Enclosure (RMB) or Thermostatic Control Box with Indicator Lights (TCBI). Must choose either RMB (see pages 103 and 104) or TCBI (see OPTIONS on page 92).

✓ Infinite Switch not available in 120V.

◉ 120V models available with remote control only.

All Glo-Ray Aluminum Infra-Black High Watt Models with or without Lights Feature:
Leads: 3' conduit with leads – server's right. 6" leads when supplied with TCBI – exit side of control box.
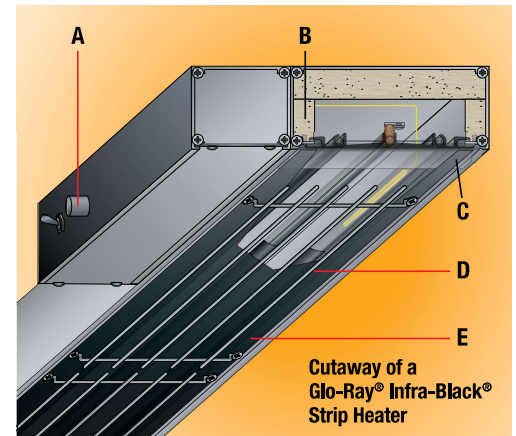**Dimensions: GRAIH:** 18"-72"W x 6"D x 2⅗"H.
        GRAIHL: 18"-72"W x 9"D x 2⅗"H.
        TCBI Control Enclosure dimensions (not including switches): 8"W x 3"D x 2½"H.
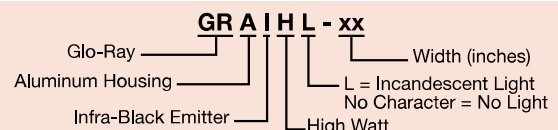**Control Enclosure location:** Chef's left side – light side (unless otherwise specified).

OPTIONS AND ACCESSORIES – PAGE 92
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

Cutaway of a Glo-Ray® Infra-Black® Strip Heater

A Thermostatically controlled to regulate heat and provide consistent temperature. (Optional Remote Control Enclosure (RMB) available)
B Heavy-duty insulation minimizes heat loss
C Provides ideal amount of heat for limited space operations, effectively holding product
D Optional wire guard available to protect user from incidental contact with the heated surface
E Infra-Black emitter provides even heat distribution, eliminating hot spots for close applications

GR A I H L - xx
Glo-Ray
Aluminum Housing
Infra-Black Emitter
High Watt
L = Incandescent Light
No Character = No Light
Width (inches)

Hatco®

Glo-Ray® Aluminum Infra-Black® High Watt Dual Strip Heaters

GRAIH-60D 120V models available with remote control only

GRAIHL-24D in optional Radiant Red Gloss Finish

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

GLO-RAY ALUMINUM INFRA-BLACK HIGH WATT DUAL STRIP HEATERS
(must specify RMB or TCBI)

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
GRAIH-18D	18"	120, 208 or 240	700	16 lbs.
GRAIH-24D	24"	120, 208 or 240	1000	22 lbs.
GRAIH-30D	30"	120, 208 or 240	1320	22 lbs.
GRAIH-36D	36"	120, 208 or 240	1600	27 lbs.
GRAIH-42D◉	42"	120, 208 or 240	1900	35 lbs.
GRAIH-48D◉	48"	120, 208 or 240	2200	33 lbs.
GRAIH-54D◉	54"	120, 208 or 240	2500	41 lbs.
GRAIH-60D◉	60"	120, 208 or 240	2800	46 lbs.
GRAIH-66D◉✒	66"	120, 208 or 240	3120	44 lbs.
GRAIH-72D◉✒⊘	72"	120, 208 or 240	3450	51 lbs.

GLO-RAY ALUMINUM INFRA-BLACK HIGH WATT DUAL STRIP HEATERS with LIGHTS
(must specify RMB or TCBI)

Model	No. of Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
GRAIHL-18D	2	18"	120, 120/208 or 120/240	820	15 lbs.
GRAIHL-24D	2	24"	120, 120/208 or 120/240	1120	21 lbs.
GRAIHL-30D	2	30"	120, 120/208 or 120/240	1440	25 lbs.
GRAIHL-36D	3	36"	120, 120/208 or 120/240	1780	29 lbs.
GRAIHL-42D◉	3	42"	120, 120/208 or 120/240	2080	33 lbs.
GRAIHL-48D◉	4	48"	120, 120/208 or 120/240	2440	35 lbs.
GRAIHL-54D◉	4	54"	120, 120/208 or 120/240	2740	39 lbs.
GRAIHL-60D◉	5	60"	120, 120/208 or 120/240	3100	47 lbs.
GRAIHL-66D◉✒⊘	5	66"	120, 120/208 or 120/240	3420	47 lbs.
GRAIHL-72D◉✒⊘	6	72"	120, 120/208 or 120/240	3810	54 lbs.

○ Does not include Remote Control Enclosure (RMB).
◉ Does not include Remote Control Enclosure (RMB) or Thermostatic Control Box with Indicator Lights (TCBI).
   Must choose either RMB (see pages 103 and 104) or TCBI (see OPTIONS on page 92).
◉ 120V models available with remote control only.
✒ Infinite Switch not available in 120V.
⊘ TCBI not available in 208V, 120/208V.

All Glo-Ray Aluminum Infra-Black High Watt Dual Models with or without Lights Feature:
Leads: 3' conduit with leads – server's right. 6" leads when supplied with TCBI – exit side of control box.
Dimensions: GRAIH-xxD with 3" Spacer: 18"-72"W x 15"D x 2⅜"H.
        GRAIHL-xxD with 3" Spacer: 18"-66"W x 15"D x 2⅜"H.
        GRAIH-xxD with 6" Spacer: 18"-72"W x 18"D x 2⅜"H.
        GRAIHL-xxD with 6" Spacer: 18"-66"W x 18"D x 2⅜"H.
TCBI Control Enclosure dimensions (not including switches): 8"W x 3"D x 2½"H.
Control Enclosure location: Chef's left side – light side (unless otherwise specified).

OPTIONS AND ACCESSORIES – PAGE 92
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

GR A I H L - xx D
Glo-Ray
Aluminum Housing
Infra-Black Emitter
Dual Elements
Width (inches)
L = Incandescent Light
No Character = No Light
H = High Watt

Strip Heaters
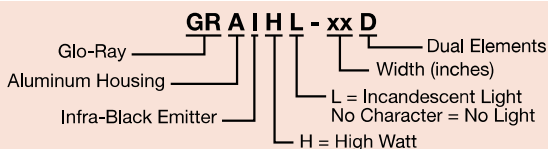
GRAIH-72 with optional wire guard, requires Remote Control Enclosure (RMB)

OPTIONS (available at time of purchase only)

Designer Colors – Non-standard colors are non-returnable – Clear Anodized Standard –

COLOR-6, -9	6" Housing for GRAIH models and 9" Housing for GRAIHL models							
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green		
COLOR-15, -18	15" and 18" Housings for GRAIH and GRAIHL Dual models							
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green		

Gloss Finishes – Non-standard colors are non-returnable – Clear Anodized Standard –

GLOSS-6, -9	6" Housing for GRAIH models and 9" Housing for GRAIHL models					
	RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black
	GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue		
GLOSS-15, -18	15" and 18" Housings for GRAIH and GRAIHL Dual models					
	RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black
	GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue		

AIH18WG -AIH72WG	Element Wire Guard (Dual models require two sets)
HAL	60 Watt Halogen Bulb in lieu of Standard Display Light
NO CONTROL	No control included (GRAIH, GRAIHL-xx, GRAIH, GRAIHL-xxD models only)
	Requires selection of RMB2-xx control – see page 103
RMB	Remote Control Enclosure – available in *Designer* Colors or Gloss Finishes – Non-standard colors are non-returnable –
	Clear Anodized Standard –

	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green		
	RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black		
	GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue				

TCBI	Thermostatic Control Box with Indicator Lights

Non-Adjustable Tubular Stands

AIH4NTL	4"
AIH6NTL	6"
AIH7.5NTL-D	7.5"
AIH8NTL	8" (Dual models require two pair)
AIH10NTL	10" (Dual models require two pair)
AIH12NTL-D	12"
AIH14NTL-D	14"
NTL-PAINT	*Designer* Color or Gloss Finish for Non-Adjustable Tubular Stands to match unit color –
	Non-Standard colors are non-returnable –
NTL-PAINT-D	*Designer* Color or Gloss Finish for Non-Adjustable Tubular Stands to match unit color –
	Non-Standard colors are non-returnable –

Power Leads (must specify lead length) –

HTLEADS5	1'-5' extended Electrical Leads
HTLEADS10	6'-10' extended Electrical Leads
HTLEADS15	11'-15' extended Electrical Leads
HTLEADS20	16'-20' extended Electrical Leads

ACCESSORIES (available for purchase at any time)

ADJ ANGLE	Adjustable Angle Brackets (see page 102 for illustration)
ADJ ANGLE7	7" tall Adjustable Angle Brackets (see page 102 for illustration)
ADJ ANGLE-D	Adjustable Angle Brackets for Dual models (see page 102 for illustration)
ADJ ANGLE7-D	7" tall Adjustable Angle Brackets for Dual models (see page 102 for illustration)
CHAIN 1	Chain Suspension (see page 102 for illustration)

Chef LED 120V adjustable bulb – GRAIHL-xx models only, all voltages – pass-through usage only –

	GRAIHL-xx must be 11" or higher from surface as pass through – bulbs must be rotated down –
	CLED-3000-120 Similar to warm Halogen light **CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

Glo-Ray® *Designer* Aluminum Infrared Strip Heaters

Hatco Glo-Ray *Designer* Aluminum Infrared Strip Heaters safely keep all hot foods at optimum serving temperatures longer. This modern design is ideal for front-of-the-house use. Units are offered in continuous housings, up to 84" (7'), are available in *Designer* Colors to match most décors and include 14" *Designer* non-adjustable stands.

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

- Pre-focused heat maintains safe serving temperatures longer without continuing to cook the food
- Available in widths from 21½" to 87½"
- Available in a variety of models, configurations, colors and accessories to provide unlimited flexibility
- Black corner caps and inset panels standard

- Optional coated shatter-resistant incandescent or halogen lights enhance product displays while safeguarding food from bulb breakage
- Optional Sneeze Guards
- Additional reflector styles and lower wattage elements available, consult factory for more information

GR2AH-36 with *Designer* non-adjustable stands (NTL) and optional *Designer* Warm Red inset panels

GR2AHL-36 with optional overhead mounts (NTH) and *Designer* Warm Red inset panels

GLO-RAY DESIGNER ALUMINUM INFRARED STRIP HEATERS
(must specify and add price of RMB)

Model⊕	Width	Watts	Approx. Ship Weight○
Standard Watt			
GR2A-18	21½"	250	19 lbs.
GR2A-24	27½"	350	20 lbs.
GR2A-30	33½"	450	27 lbs.
GR2A-36	39½"	575	37 lbs.
GR2A-42	45½"	675	38 lbs.
GR2A-48	51½"	800	43 lbs.
GR2A-54	57½"	925	43 lbs.
GR2A-60	63½"	1050	40 lbs.
GR2A-66	69½"	1160	40 lbs.
GR2A-72	75½"	1275	42 lbs.
GR2A-84▪	87½"	1500	46 lbs.
High Watt			
GR2AH-18	21½"	350	20 lbs.
GR2AH-24	27½"	500	20 lbs.
GR2AH-30	33½"	660	27 lbs.
GR2AH-36	39½"	800	27 lbs.
GR2AH-42	45½"	950	34 lbs.
GR2AH-48	51½"	1100	27 lbs.
GR2AH-54	57½"	1250	43 lbs.
GR2AH-60	63½"	1400	40 lbs.
GR2AH-66▪	69½"	1560	40 lbs.
GR2AH-72▪	75½"	1725	42 lbs.
GR2AH-84⤢	87½"	2050	46 lbs.

⊕ When no color is specified, color inset panels and corner caps will be black.
○ Does not include Remote Control Enclosure (RMB).
▫ Does not include Remote Control Enclosure (RMB). Must choose RMB (see pages 103 and 104).
▪ When using an infinite control with 120 volt model, additional switch(es) and tandem (end-to-end) elements required.
⤢ 120 volt models require additional switches and tandem (end-to-end) elements.

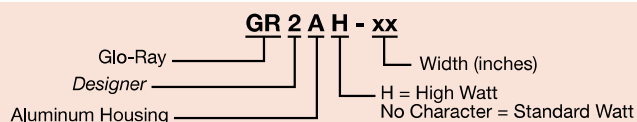***All Glo-Ray Designer Aluminum Infrared Models Feature:***
Voltage: 120, 208 or 240, single phase only.
Switch Location: Remote Control Enclosure (RMB) only (see pages 103 and 104).
Leads: 5' leads through ½" conduit in leg cavity.
Dimensions without stands: 21½"-87½"W x 9"D x 3½"H.

OPTIONS AND ACCESSORIES – PAGE 95
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

GR 2 A H - xx

Glo-Ray
Designer
Aluminum Housing
Width (inches)
H = High Watt
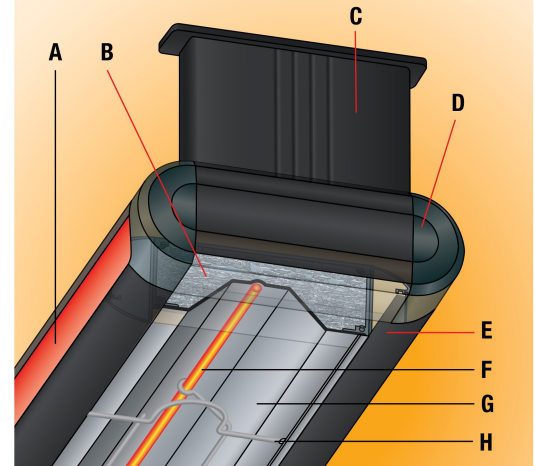No Character = Standard Watt

Strip Heaters

Glo-Ray® *Designer* Aluminum Infrared Strip Heaters with Lights

GR2AHL-24 with *Designer* non-adjustable stands optional Sneeze Guards and *Designer* Hunter Green inset panels

Cutaway of a *Designer* Glo-Ray® Infrared Strip Heater

Strip Heaters

GLO-RAY DESIGNER ALUMINUM INFRARED STRIP HEATERS with LIGHTS
(must specify RMB)

Model❋	No. of Bulbs	Width	Watts	Approx. Ship Weight○
Standard Watt				
GR2AL-18	2	21½"	370	24 lbs.
GR2AL-24	2	27½"	470	24 lbs.
GR2AL-30	2	33½"	570	29 lbs.
GR2AL-36	3	39½"	755	33 lbs.
GR2AL-42	3	45½"	855	35 lbs.
GR2AL-48	4	51½"	1040	36 lbs.
GR2AL-54	4	57½"	1165	49 lbs.
GR2AL-60	5	63½"	1350	54 lbs.
GR2AL-66	5	69½"	1460	57 lbs.
GR2AL-72	6	75½"	1635	58 lbs.
GR2AL-84✐	7	87½"	1920	62 lbs.
High Watt				
GR2AHL-18	2	21½"	470	26 lbs.
GR2AHL-24	2	27½"	620	24 lbs.
GR2AHL-30	2	33½"	780	29 lbs.
GR2AHL-36	3	39½"	980	33 lbs.
GR2AHL-42	3	45½"	1130	35 lbs.
GR2AHL-48	4	51½"	1340	48 lbs.
GR2AHL-54	4	57½"	1490	49 lbs.
GR2AHL-60	5	63½"	1700	54 lbs.
GR2AHL-66✐	5	69½"	1860	57 lbs.
GR2AHL-72✐	6	75½"	2085	58 lbs.
GR2AHL-84✐	7	87½"	2470	62 lbs.

❋ When no color is specified, color inset panels and corner caps will be black.
○ Does not include Remote Control Enclosure (RMB).
◉ Does not include Remote Control Enclosure (RMB). Must choose RMB (see pages 103 and 104).
✐ When using an infinite control with 120 volt model, additional switch(es) and tandem (end-to-end) elements required.
↗ 120 volt models require additional switches and tandem (end-to-end) elements.

All Glo-Ray Designer Aluminum Infrared Models with Lights Feature:
Voltage: 120, 120/208 or 120/240, single phase only.
Switch Location: Remote Control Enclosure (RMB) only (see pages 103 and 104).
Leads: 5' leads through ½" conduit in leg cavity.
Dimensions without stands: 21½"-87½"W x 12"D x 3½"H.

OPTIONS AND ACCESSORIES – PAGE 95
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

A Choice of seven *Designer* Color inset panels and attractive styling for front-of-the-house applications

B Heavy-duty insulation minimizes heat loss

C Non-adjustable stand conceals the power wiring, available for counter or overhead mounting

D Accent color corners available in Dark Gray or Black (standard)

E Sturdy aluminium extrusion construction; available in Clear Anodized aluminum finish or one of seven *Designer* Colors for housings (shown in optional *Designer* Black)

F Metal-sheathed heating element part guaranteed against burnout and breakage for two years

G Aluminized Reflectors won't discolor, so heat can be reflected and directed to the food product being held

H Protective wire guard supports heating element without affecting heat distribution

GR 2 A H L - xx
Glo-Ray
Designer
Aluminum Housing
H = High Watt
No Character = Standard Watt
Lights
Width (inches)

GR2AHL-84 with standard *Designer* non-adjustable stands and optional *Designer* Black and Sneeze Guards

OPTIONS (available at time of purchase only)

Designer Colors, aluminum models 21½"- 87½" (includes stands) – Non-standard colors are non-returnable – Clear Anodized Standard –

COLOR-6	9" Housing for GR2A and GR2AH models						
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green	
COLOR-9	12" Housing for GR2AL and GR2AHL models						
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green	

Designer Inset Panel Colors – Black standard – Non-standard colors are non-returnable –

	RED	Warm Red	**WHITE**	White Granite	**GREEN**	Hunter Green
	GRAY	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper	

Designer Corner Caps – Black standard –

	DKGRAY	Dark Gray Corner Caps
NO CONTROL	No control included (GR2A, GR2AH, GR2AL, GR2AHL models only), requires selection of RMB2-xx control – see page 103	
RMB	Must choose Remote Control Enclosure (not included)	

Designer Remote Control Enclosures – Non-standard colors are non-returnable – Clear Anodized Standard –

RMB-COLOR	Remote Control Enclosure Housing in *Designer* Color						
	RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
	BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green	
7.5BP1	7½" Sneeze Guard one side						
7.5BP2	7½" Sneeze Guard two sides						
14BP1	14" Sneeze Guard one side						
14BP2	14" Sneeze Guard two sides						
NTL2-10, -12, -16	*Designer* Color Non-Adjustable Stands to match unit color: 10", 12" or 16" in lieu of 14" Standard Stands – Non-Standard colors are non-returnable –						
NTH2-4	4" *Designer* Color Overhead Mounts in lieu of 14" Standard Legs to match unit color – Non-Standard colors are non-returnable –						
HAL	60 Watt Halogen Bulb in lieu of standard Display Light						
NO BULB	No bulb option (GR2AL, GR2AHL models only)						
LIGHTS-ADD'L	Extra Lamps – Installed (max. two per ft. less one – one per ft. is Standard)						

Power Leads (must specify lead length) –

LEADS5	1'-5' extended Electrical Leads
LEADS10	6'-10' extended Electrical Leads
LEADS15	11'-15' extended Electrical Leads
LEADS20	16'-20' extended Electrical Leads

ACCESSORIES (available for purchase at any time)

Chef LED 120V adjustable bulb – GR2AL, GR2AHL models only, all voltages –

GR2AHL requires pass-through usage only and unit must be 10" or higher from surface – bulbs must be rotated down
CLED-3000-120 Similar to warm Halogen light   **CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

CLED-3000 and -4000
Accessory

Glo-Ray® *Designer* Aluminum Infrared Dual Strip Heaters

Glo-Ray *Designer* Aluminum Infrared Dual Strip Heaters allow side-by-side mounting of two warmers to provide a deeper holding area, keeping hot food at optimum serving temperatures. These modern front-of-the-house warmers have 3" spacers standard with optional 6" spacers. Units are available in *Designer* colors to match most décors.

- Sturdy continuous aluminum housings eliminate sagging
- Pre-focused heat pattern directs heat from a tubular element to bathe the entire holding surface, holding food safely
- Available in widths from 21½" to 87½"
- Variety of models, configurations, colors and accessories provide unlimited flexibility. Non-standard colors are non-returnable

- Optional Sneeze Guards that meet food safety standards can be ordered for display areas and buffet lines
- Optional shatter-resistant incandescent lights available
- Black corner caps and inset panels standard
- Additional reflector styles and lower wattage elements available, consult factory for more information

GR2AH-24D with standard *Designer* non-adjustable stands, optional Sneeze Guards and optional *Designer* Navy Blue inset panels

GR2AHL-48D with standard *Designer* non-adjustable stands and optional *Designer* Warm Red inset panels

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

Strip Heaters

GLO-RAY DESIGNER ALUMINUM INFRARED DUAL STRIP HEATERS (must specify RMB)

Model❋	Width	Watts	Approx. Ship Weight○
Standard Watt			
GR2A-18D	21½"	500	28 lbs.
GR2A-24D	27½"	700	31 lbs.
GR2A-30D	33½"	900	37 lbs.
GR2A-36D	39½"	1150	37 lbs.
GR2A-42D	45½"	1350	41 lbs.
GR2A-48D	51½"	1600	45 lbs.
GR2A-54D	57½"	1850	52 lbs.
GR2A-60D	63½"	2100	60 lbs.
GR2A-66D	69½"	2320	70 lbs.
GR2A-72D	75½"	2550	63 lbs.
GR2A-84D✐	87½"	3000	84 lbs.
High Watt			
GR2AH-18D	21½"	700	29 lbs.
GR2AH-24D	27½"	1000	29 lbs.
GR2AH-30D	33½"	1320	37 lbs.
GR2AH-36D	39½"	1600	37 lbs.
GR2AH-42D	45½"	1900	48 lbs.
GR2AH-48D	51½"	2200	55 lbs.
GR2AH-54D	57½"	2500	60 lbs.
GR2AH-60D	63½"	2800	55 lbs.
GR2AH-66D✐	69½"	3120	64 lbs.
GR2AH-72D✐	75½"	3450	61 lbs.
GR2AH-84D✐	87½"	4100	106 lbs.

❋ When no color is specified, color inset panels and corner caps will be black.
○ Does not include Remote Control Enclosure (RMB).
◉ Does not include Remote Control Enclosure (RMB). Must choose RMB, see pages 103, 104.
✐ Infinite switch requires tandem for 120 volt GR2AH-66D & -72D.
✐ 120 volt requires tandem for GR2AH-84D.

All Glo-Ray Designer Aluminum Infrared Dual Models Feature:
Voltage: Models Without Lights: 120, 208 or 240, single phase only.
Switch Location: Remote Control Enclosure (RMB) only (see pages 103, 104).
Leads: 5' leads through ½" conduit in leg cavity.
Dimensions: with 3" Spacer (standard): 21½"-87½"W x 18"D x 3½"H.
with 6" Spacer: 21½"-87½"W x 21"D x 3½"H.

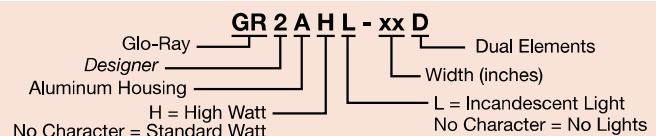**OPTIONS AND ACCESSORIES – PAGE 97**
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

GLO-RAY DESIGNER ALUMINUM INFRARED DUAL STRIP HEATERS with LIGHTS (must specify RMB)

Model❋	No. of Bulbs	Width	Watts	Approx. Ship Weight○
Standard Watt				
GR2AL-18D	2	21½"	620	32 lbs.
GR2AL-24D	2	27½"	820	32 lbs.
GR2AL-30D	2	33½"	1020	35 lbs.
GR2AL-36D	3	39½"	1330	40 lbs.
GR2AL-42D	3	45½"	1530	46 lbs.
GR2AL-48D	4	51½"	1840	47 lbs.
GR2AL-54D	4	57½"	2090	50 lbs.
GR2AL-60D	5	63½"	2400	55 lbs.
GR2AL-66D	5	69½"	2620	67 lbs.
GR2AL-72D	6	75½"	2910	75 lbs.
GR2AL-84D✐	7	87½"	3420	82 lbs.
High Watt				
GR2AHL-18D	2	21½"	820	32 lbs.
GR2AHL-24D	2	27½"	1120	32 lbs.
GR2AHL-30D	2	33½"	1440	35 lbs.
GR2AHL-36D	3	39½"	1780	40 lbs.
GR2AHL-42D	3	45½"	2080	46 lbs.
GR2AHL-48D	4	51½"	2440	47 lbs.
GR2AHL-54D	4	57½"	2740	50 lbs.
GR2AHL-60D	5	63½"	3100	55 lbs.
GR2AHL-66D✐	5	69½"	3420	67 lbs.
GR2AHL-72D✐	6	75½"	3810	75 lbs.
GR2AHL-84D✐	7	87½"	4520	82 lbs.

❋ When no color is specified, color inset panels and corner caps will be black.
○ Does not include Remote Control Enclosure (RMB).
◉ Does not include Remote Control Enclosure (RMB). Must choose RMB, see pages 103, 104.
✐ Infinite switch requires tandem for 120 volt GR2AH-66D & -72D.
✐ 120 volt requires tandem for GR2AH-84D.

All Glo-Ray Designer Aluminum Infrared Dual with Lights Models Feature:
Voltage: Models With Lights: 120, 120/208 or 120/240, single phase only.
Switch Location: Remote Control Enclosure (RMB) only (see pages 103, 104).
Leads: 5' leads through ½" conduit in leg cavity.
Dimensions: with 3" Spacer (standard): 21½"-87½"W x 18"D x 3½"H.
with 6" Spacer: 21½"-87½"W x 21"D x 3½"H.

GR 2 A H L - xx D
Glo-Ray
Designer
Aluminum Housing
H = High Watt
No Character = Standard Watt
Dual Elements
Width (inches)
L = Incandescent Light
No Character = No Lights

GR2AHL-30D

OPTIONS *(available at time of purchase only)*

Designer Colors, aluminum models 21½"- 87½" (includes stands) – Non-standard colors are non-returnable – Clear Anodized standard –

COLOR-15, -18　　15" and 18" Housings for GR2A, GR2AH, GR2AL and GR2AHL Dual models

RED Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
BLACK Black	**WHITE**	White Granite	**GREEN**	Hunter Green	

Designer Inset Panel Colors – Black standard –

RED Warm Red	**WHITE**	White Granite	**GREEN**	Hunter Green
GRAY Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper

Designer Corner Caps – Black standard –

DKGRAY　Dark Gray Corner Caps

NO CONTROLS　　No control included (GR2A, GR2AH, GR2AL, GR2AHL-xxD models only), requires selection of RMB2-xx control – see page 103

RMB　　Remote Control Enclosure – available in *Designer* Colors or Gloss Finishes – Non-standard colors are non-returnable – Clear Anodized standard – (must choose a Remote Control Enclosure - not included)

RED Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
BLACK Black	**WHITE**	White Granite	**GREEN**	Hunter Green	
RRED Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black	
GGOLD Gleaming Gold	**BBLUE**	Brilliant Blue			

7.5BP1　　7½" Sneeze Guard one side

7.5BP2　　7½" Sneeze Guard two sides

14BP1　　14" Sneeze Guard one side

14BP2　　14" Sneeze Guard two sides

NTL2-10, -12, -16　*Designer* Non-Adjustable Stands: 10", 12" or 16" in lieu of 14" Standard Stands to match unit color – Non-Standard colors are non-returnable –

NTH2-4　　4" *Designer* Overhead Mounts in lieu of 14" Standard Stands to match unit color – Non-Standard colors are non-returnable –

HAL　　60 Watt Halogen Bulb in lieu of Standard Display Light

NO BULB　　No bulb option (GR2AL-xxD, GR2AHL-xxD models only)

LIGHTS-ADD'L　　Extra Lamps – Installed (max. two per ft. less one – one per ft. is Standard)

Power Leads (must specify lead length) –

LEADS5　　　1'-5' extended Electrical Leads

LEADS10　　　6'-10' extended Electrical Leads

LEADS15　　　11'-15' extended Electrical Leads

LEADS20　　　16'-20' extended Electrical Leads

ACCESSORIES *(available for purchase at any time)*

Chef LED 120V adjustable bulb – GR2AL-xxD, GR2AHL-xxD models only, all voltages –

　　GR2AL-xxD requires pass-through usage only and unit must be 15" or higher from surface
　　GR2AHL-xxD requires pass-through usage only and unit must be 18" or higher from surface
　　Bulbs must be rotated down –

　　CLED-3000-120 Similar to warm Halogen light　**CLED-4000-120** Similar to cool Fluorescent light

COLORS AND FINISHES – INSIDE BACK COVER

Strip Heaters

Ultra-Glo® Aluminum Ceramic Infrared Strip Heaters

Hatco Ultra-Glo Aluminum Ceramic Infrared Strip Heaters provide the ultimate holding power. Increased heights improve working clearances and the heat zone blankets the entire holding area. All models include adjustable angle brackets for mounting. Available with or without lights, with Attached or Remote Control Enclosure (recommended).

- Pre-focused pyramidal heat pattern concentrates the heat at the edges where heat loss is greatest
- Increased height that the ceramic heat source affords improves operational working clearances, giving the chef and server an improved ergonomic environment in which to work
- Adaptable to many locations and configurations, including back- or front-of-the-house use, open kitchen concepts or buffet lines
- Available in widths from 18" to 72" in 6" increments
- Optional coated shatter-resistant incandescent or halogen bulbs enhance product display while safeguarding food from bulb breakage

UGAH-18 in optional Gloss Finish, requires Remote Control Enclosure (RMB), not shown

Ultra-Glo® Ceramic Infrared Strip Heater Cutaway
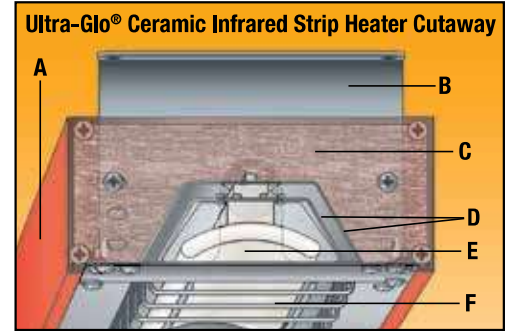
A Sturdy aluminum housings that do not sag

B Adjustable standard mounting bracket (allows 3 different mounting heights and allows for conduit connection to end of the unit)

C Heavy-duty insulation surrounds heating element to keep exterior housing cooler and minimize heat loss

D Dual aluminized steel reflector keeps housing cooler, focuses more heat towards the food

E Shape of element focuses heat on the food

F Protective wire guards under heating element

ULTRA-GLO ALUMINUM CERAMIC INFRARED STRIP HEATERS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
Standard Watt				
UGA-18	18"	120, 208 or 240	500, 490 or 500	9 lbs.
UGA-24	24"	120, 208 or 240	650, 675 or 650	10 lbs.
UGA-30	30"	120, 208 or 240	750, 840 or 900	14 lbs.
UGA-36	36"	120, 208 or 240	1000, 980 or 1000	15 lbs.
UGA-42	42"	120, 208 or 240	1000, 1120 or 1200	17 lbs.
UGA-48	48"	120, 208 or 240	1500, 1470 or 1500	19 lbs.
UGA-54	54"	208 or 240	1470 or 1500	20 lbs.
UGA-60	60"	208 or 240	1960 or 2000	22 lbs.
UGA-66	66"	208 or 240	1960 or 2000	25 lbs.
UGA-72	72"	208 or 240	1960 or 2000	25 lbs.
High Watt				
UGAH-18	18"	120, 208 or 240	650, 675 or 650	10 lbs.
UGAH-24	24"	120, 208 or 240	750, 750 or 750	9 lbs.
UGAH-30	30"	120, 208 or 240	1125, 1125 or 1125	12 lbs.
UGAH-36	36"	120, 208 or 240	1300, 1350 or 1300	15 lbs.
UGAH-42	42"	120, 208 or 240	1500, 1500 or 1500	16 lbs.
UGAH-48	48"	208 or 240	2025 or 1950	19 lbs.
UGAH-54	54"	208 or 240	2250 or 2250	20 lbs.
UGAH-60	60"	208 or 240	2700 or 2600	24 lbs.
UGAH-66	66"	208 or 240	2700 or 2600	23 lbs.
UGAH-72	72"	208 or 240	3000 or 3000	25 lbs.

All Ultra-Glo Aluminum Ceramic Infrared Models Feature:
Models Shipped With: Angle Brackets and Leads (3' conduit whip).
Dimensions With Attached Control Box, Toggle and Indicator Light: 18"-72"W x 9⅞"D x 2½"H.
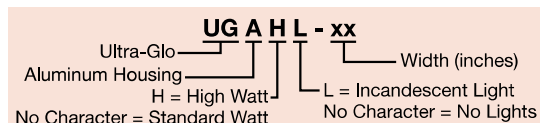**Dimensions With Remote Control Enclosure (RMB), Toggle and Indicator Light:** 18"-72"W x 6"D x 2½"H.

OPTIONS – PAGE 100
RECOMMENDED MOUNTING HEIGHTS – PAGE 101
REMOTE CONTROL ENCLOSURES (RMB) – PAGE 104

UG **A** **H** **L** - xx
Ultra-Glo
Aluminum Housing
H = High Watt
No Character = Standard Watt
Width (inches)
L = Incandescent Light
No Character = No Lights

ULTRA-GLO ALUMINUM CERAMIC INFRARED STRIP HEATERS with LIGHTS

Model	No. of Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
Standard Watt					
UGAL-18	1	18"	120, 120/208 or 120/240	560, 550 or 560	11 lbs.
UGAL-24	2	24"	120, 120/208 or 120/240	770, 795 or 770	10 lbs.
UGAL-30	2	30"	120, 120/208 or 120/240	870, 960 or 1020	15 lbs.
UGAL-36	3	36"	120, 120/208 or 120/240	1180, 1160 or 1180	19 lbs.
UGAL-42	3	42"	120, 120/208 or 120/240	1380, 1300 or 1380	21 lbs.
UGAL-48	4	48"	120, 120/208 or 120/240	1740, 1710 or 1740	22 lbs.
UGAL-54	4	54"	120/208 or 120/240	1710 or 1740	26 lbs.
UGAL-60	5	60"	120/208 or 120/240	2260 or 2300	30 lbs.
UGAL-66	5	66"	120/208 or 120/240	2260 or 2300	31 lbs.
UGAL-72	6	72"	120/208 or 120/240	2320 or 2360	32 lbs.
High Watt					
UGAHL-18	1	18"	120, 120/208 or 120/240	710, 735, or 710	12 lbs.
UGAHL-24	2	24"	120, 120/208 or 120/240	870, 870 or 870	12 lbs.
UGAHL-30	2	30"	120, 120/208 or 120/240	1245, 1245 or 1245	18 lbs.
UGAHL-36	3	36"	120, 120/208 or 120/240	1480, 1530 or 1480	17 lbs.
UGAHL-42	3	42"	120, 120/208 or 120/240	1680, 1680 or 1680	20 lbs.
UGAHL-48	4	48"	120/208 or 120/240	2265 or 2190	23 lbs.
UGAHL-54	4	54"	120/208 or 120/240	2490 or 2490	25 lbs.
UGAHL-60⊙	5	60"	120/208 or 120/240	3000 or 2900	27 lbs.
UGAHL-66⊙	5	66"	120/208 or 120/240	3000 or 2900	30 lbs.
UGAHL-72⊙	6	72"	120/208 or 120/240	3360 or 3360	32 lbs.

○ Does not include Remote Control Enclosure (RMB).
⊙ Includes either Attached Control or Remote Control Enclosure (RMB) with toggle switch(es) and indicator light(s).
Ⓡ UGAHL-60, -66, -72 in 120/208 and UGAHL-72 in 120/240 require Remote Control Enclosure (RMB) with a Fuse.

All Ultra-Glo Aluminum Ceramic Infrared Models with Lights Feature:
Models Shipped With: Angle Brackets and Leads (3' conduit whip).
Dimensions With Attached Control Box, Toggle and Indicator Light: 18"-72"W x 12⅞"D x 2½"H.
Dimensions With Remote Control Enclosure (RMB), Toggle and Indicator Light: 18"-72"W x 9"D x 2½"H.

OPTIONS AND REMOTE CONTROL ENCLOSURES (RMB) – PAGE 100
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

Strip Heaters

Ultra-Glo® Aluminum Ceramic Infrared Dual Strip Heaters

Hatco Ultra-Glo Ceramic Strip Heaters provide the ultimate holding power. Increased height improves working clearances and the heat zone blankets the entire holding area. All models include adjustable angle brackets for mounting. Dual mounted strip heaters accommodate wider food holding areas.

- Increased height improves operational working clearances, giving chef and server an improved ergonomic environment in which to work
- Adaptable to any location and configuration, including back- or front-of-the-house use, open kitchen concepts or buffet lines
- Pre-focused heat pattern provides an increased pyramidal dimension, concentrating heat at the edges where heat loss is the greatest

- Available in widths from 18" to 72"
- Remote Control Enclosure (RMB) with toggle switch, indicator light and wiring for convenient control placement
- Sturdy extruded aluminum housings eliminate sagging

UGAHL-60D with lights in optional Gloss Finish and Standard a 3" spacer - Remote Control Enclosure (RMB) required, not shown

ULTRA-GLO ALUMINUM CERAMIC INFRARED DUAL STRIP HEATERS

Model	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
Standard Watt				
UGA-18D	18"	120, 208 or 240	1000, 980 or 1000	17 lbs.
UGA-24D	24"	120, 208 or 240	1300, 1350 or 1300	20 lbs.
UGA-30D	30"	120, 208 or 240	1500, 1680 or 1800	26 lbs.
UGA-36D	36"	208 or 240	1960 or 2000	31 lbs.
UGA-42D	42"	208 or 240	2240 or 2400	32 lbs.
UGA-48D	48"	208 or 240	2940 or 3000	40 lbs.
UGA-54D	54"	208 or 240	2940 or 3000	42 lbs.
UGA-60D	60"	208 or 240	3920 or 4000	49 lbs.
UGA-66D	66"	208 or 240	3920 or 4000	50 lbs.
UGA-72D	72"	208 or 240	3920 or 4000	52 lbs.
High Watt				
UGAH-18D	18"	120, 208 or 240	1300, 1350 or 1300	17 lbs.
UGAH-24D	24"	120, 208 or 240	1500, 1500 or 1500	20 lbs.
UGAH-30D	30"	208 or 240	2250, 2250	24 lbs.
UGAH-36D	36"	208 or 240	2700 or 2600	31 lbs.
UGAH-42D	42"	208 or 240	3000 or 3000	32 lbs.
UGAH-48D	48"	208 or 240	4050 or 3900	40 lbs.
UGAH-54D	54"	208 or 240	4500 or 4500	33 lbs.
UGAH-60D	60"	208 or 240	5400 or 5200	48 lbs.
UGAH-66D	66"	208 or 240	5400 or 5200	50 lbs.
UGAH-72D	72"	208 or 240	6000 or 6000	55 lbs.

ULTRA-GLO ALUMINUM CERAMIC INFRARED DUAL STRIP HEATERS with LIGHTS

Model	No. of Bulbs	Width	Voltage Single Phase	Watts	Approx. Ship Weight○
Standard Watt					
UGAL-18D	1	18"	120, 120/208 or 120/240	1060, 1040 or 1060	18 lbs.
UGAL-24D	2	24"	120, 120/208 or 120/240	1420, 1470 or 1420	21 lbs.
UGAL-30D	2	30"	120, 120/208 or 120/240	1620, 1800 or 1920	26 lbs.
UGAL-36D	3	36"	120/208 or 120/240	2140 or 2180	30 lbs.
UGAL-42D	3	42"	120/208 or 120/240	2420 or 2580	35 lbs.
UGAL-48D	4	48"	120/208 or 120/240	3180 or 3240	30 lbs.
UGAL-54D	4	54"	120/208 or 120/240	3180 or 3240	41 lbs.
UGAL-60D	5	60"	120/208 or 120/240	4220 or 4300	50 lbs.
UGAL-66D	5	66"	120/208 or 120/240	4220 or 4300	51 lbs.
UGAL-72D	6	72"	120/208 or 120/240	4280 or 4360	56 lbs.
High Watt					
UGAHL-18D	1	18"	120, 120/208 or 120/240	1360, 1410 or 1360	18 lbs.
UGAHL-24D	2	24"	120, 120/208 or 120/240	1620, 1620 or 1620	16 lbs.
UGAHL-30D	2	30"	120/208 or 120/240	2370 or 2370	24 lbs.
UGAHL-36D	3	36"	120/208 or 120/240	2880 or 2780	27 lbs.
UGAHL-42D	3	42"	120/208 or 120/240	3180 or 3180	34 lbs.
UGAHL-48D	4	48"	120/208 or 120/240	4290 or 4140	35 lbs.
UGAHL-54D	4	54"	120/208 or 120/240	4740 or 4740	45 lbs.
UGAHL-60D	5	60"	120/208 or 120/240	5700 or 5500	49 lbs.
UGAHL-66D	5	66"	120/208 or 120/240	5700 or 5500	51 lbs.
UGAHL-72D	6	72"	120/208 or 120/240	6360 or 6360	57 lbs.

○ Does not include Remote Control Enclosure (RMB).
⊚ Includes either Attached Control or Remote Control Enclosure (RMB) with toggle switch(es) and indicator light(s).

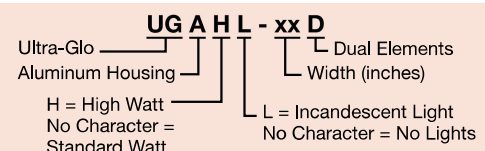***All Ultra-Glo Aluminum Ceramic Infrared Dual Models with or without Lights Feature:***
Models Shipped With: Angle Brackets and Leads (3' conduit whip).
Dimensions With Attached Control Box, Toggle and Indicator Light: 18"- 72"W x 18⅞" or 21⅞"D x 2½"H.
Dimensions With Remote Control Enclosure (RMB), Toggle and Indicator Light: 18"- 72"W x 15" or 18"D x 2½"H.

NOTE: All UGA, UGAH, UGAL and UGAHL models larger than 36 inches wide are not available in Canada.

OPTIONS AND REMOTE CONTROL ENCLOSURES (RMB) – PAGE 100
RECOMMENDED MOUNTING HEIGHTS – PAGE 101

UG A H L - xx D
Ultra-Glo
Aluminum Housing
H = High Watt
No Character = Standard Watt
Dual Elements
Width (inches)
L = Incandescent Light
No Character = No Lights

OPTIONS *(available at time of purchase only)*

Designer Colors, aluminum models 18"-36" – Non-standard colors are non-returnable – Clear Anodized Standard –

COLOR-6	6" Housing for Single UGA and UGAH models, 18"- 36" (color selections below)
COLOR-9	9" Housing for Single UGAL and UGAHL models, 18"- 36" (color selections below)
COLOR-15, -18	15" and 18" Housings for Dual UGA, UGAH, UGAL, UGAHL models, 18"- 36" (color selections below)

RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper
BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green		

Gloss Finishes, aluminum models 18"- 36" – Non-standard colors are non-returnable – Clear Anodized Standard –

GLOSS-6	6" Housing for Single UGA and UGAH models, 18"- 36" (finish selections below)
GLOSS-9	9" Housing for Single UGAL and UGAHL models, 18"- 36" (finish selections below)
GLOSS-15, -18	15" and 18" Housings for Dual UGA, UGAH, UGAL, UGAHL models, 18"- 36" (finish selections below)

RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black
GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue		

Designer Colors for Remote Control Enclosures – Non-standard colors are non-returnable – Clear Anodized standard –

RMB-COLOR	Remote Control Enclosure Housing in *Designer* Colors

RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER**	Antique Copper
BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green		

Gloss Finishes for Remote Control Enclosures – Non-standard colors are non-returnable – Clear Anodized standard –

RMB-GLOSS	Remote Control Enclosure Housing in Gloss Finish

RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black
GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue		

HAL	60 Watt Halogen Bulb in lieu of Standard Display Light
LIGHTS ADD'L	Extra Lamps – Installed (max. two per ft. less one, one per ft. is standard) – not available for Dual models
UGA-NTL-14, -16	Non-Adjustable Tubular Stands – specify 14" or 16" clearance
UGA-NTL-18, -20	Non-Adjustable Tubular Stands – specify 18" or 20" clearance
UGA-NTL-22	Non-Adjustable Tubular Stands for 22" clearance
UGA-NTL-18-D, -20-D	Non-Adjustable Tubular Stands for Dual units– specify 18" or 20" clearance
UGA-NTL-22-D, -24-D, -26-D	Non-Adjustable Tubular Stands for Dual units – specify 22", 24" or 26" clearance
NTL-PAINT	*Designer* Colors or Gloss Finishes for Non-Adjustable Tubular Stands to match unit color – Non-Standard colors are non-returnable –
NTL-PAINT-D	*Designer* Colors or Gloss Finishes for Non-Adjustable Tubular Stands to match unit color on Dual units– Non-Standard colors are non-returnable –

Power Leads – must specify lead length –

HTLEADS5	1'-5' extended Electrical Leads
HTLEADS10	6'-10' extended Electrical Leads
HTLEADS15	11'-15' extended Electrical Leads
HTLEADS20	16'-20' extended Electrical Leads
RMB-UGA-INF	Remote Control Enclosure with Toggle Switch, Electronic Infinite Control, Relay and Indicator Light in lieu of attached control box – *Designer* Colors and Gloss Finishes available – Non-standard colors are non-returnable Clear anodized Standard –

ACCESSORIES *(available for purchase at any time)*

Chef LED 120V adjustable bulb – UGA(H)L-xx, UGA(H)L-xxD, models only, pass through usage only –

UGAL models must be at least 14" from surface, UGAHL models must be at least 17" from surface, UGA(H)L-xxD models must be 18"- 22"or higher from surface, all require pass through usage only – bulbs must be rotated down –

CLED-3000-120 Similar to warm Halogen light   **CLED-4000-120** Similar to cool Fluorescent light
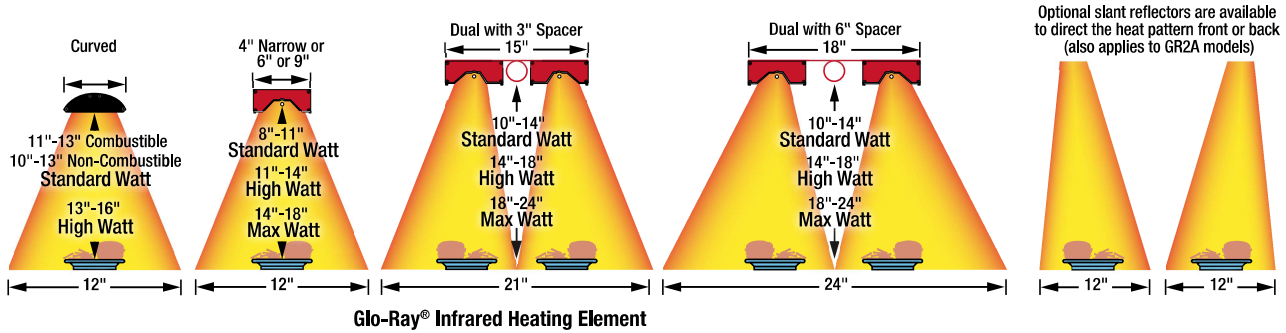
COLORS AND FINISHES – INSIDE BACK COVER

CLED-3000 or -4000
Accessory

RMB-UGA-INF

Strip Heaters

Strip Heater Recommended Range Above Target* and Spacing Requirements
(based on 24" strip heaters, non-flammable surface)

Curved

11"-13" Combustible
10"-13" Non-Combustible
Standard Watt

13"-16"
High Watt

12"

4" Narrow or 6" or 9"

8"-11"
Standard Watt
11"-14"
High Watt
14"-18"
Max Watt

12"

Dual with 3" Spacer
15"

10"-14"
Standard Watt
14"-18"
High Watt
18"-24"
Max Watt

21"

Dual with 6" Spacer
18"

10"-14"
Standard Watt
14"-18"
High Watt
18"-24"
Max Watt

24"

Optional slant reflectors are available to direct the heat pattern front or back (also applies to GR2A models)

12"   12"

Glo-Ray® Infrared Heating Element

GLO-RAY® INFRARED
Curved Standard Watt (GR5A, GR5AL)
Minimum Combustible: Surface: Install minimum of 1" from back wall, 1" from overshelf and 11" above surface. Minimum non-combustible Surface: 1" from overshelf and 10" above surface (back of wall: no requirement).
Curved High Watt (GR5AH, GR5AHL)
Non-combustible surroundings only. Install 1" from overshelf and minimum of 13" above a non-combustible countertop surface (back of wall: no requirement).

Singles (GRA, GRAL, GRAH, GRAHL GRN)
Singles *Designer* (GR2A, GR2AH, GR2AL, GR2AHL)
Combustibles: 13½" high watt or 10" standard watt below, 1" above and 3" to back wall.
Non-combustibles: 1" above, 10" below for high watt with infinite or indicator lamp and 8" below for high watt toggle or standard watt.

Must be installed in a pass-through area. Units with remote switches may be installed against a non-combustible back wall, flush to an overshelf and 8" to a surface below. Maximum 10" setback from the front of an overshelf. Models with cords must be installed 3" below an overshelf and 11" high watt or 10" standard watt over a surface below.

Duals (GRA-D, GRAH-D, GRAL-D, GRAHL-D)
Duals *Designer* (GR2A-D, GR2AH-D, GR2AL-D, GR2AHL-D)
May not be installed in combustible surroundings.
Non-combustibles: 1" above, 10" below. Must be installed in a pass-through area. Units with remote switches may be installed 3" from a non-combustible back wall, 8" from surface below and flush to an overshelf. Maximum 10" setback from the front of an overshelf.

Singles Max-Watt (GRAM, GRAML, GRNM)
Do not use in combustible surroundings.
Non-combustibles: 1" above, 12" to surface and 3" from back wall. Cord connected: 3" below an overshelf, 12" from surface below. Maximum 10" setback from front of an overshelf.

Duals Max-Watt (GRAM-D, GRAML-D)
May not be installed in combustible surroundings.
Non-combustibles: units may be installed 3" from a non-combustible back wall, 1" below an overshelf, 15" to surface below. Maximum 10" setback from the front of an overshelf.

ULTRA-GLO®
Singles and Duals (UGA, UGA-D, UGAH, UGAH-D, UGAL, UGAL-D, UGAHL, UGAHL-D)
May not be installed in combustible surroundings.
Non-combustibles: 1" above, 17" high watt or 14" standard watt from a surface below and 3" from a back wall.
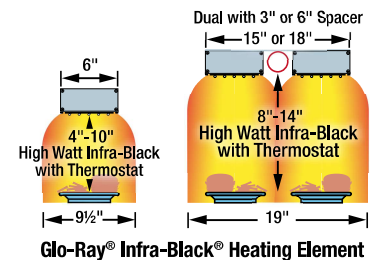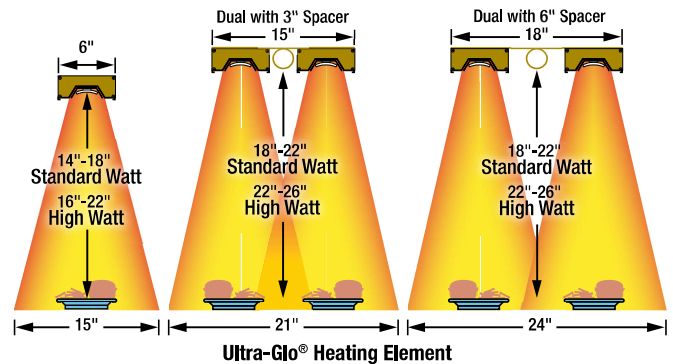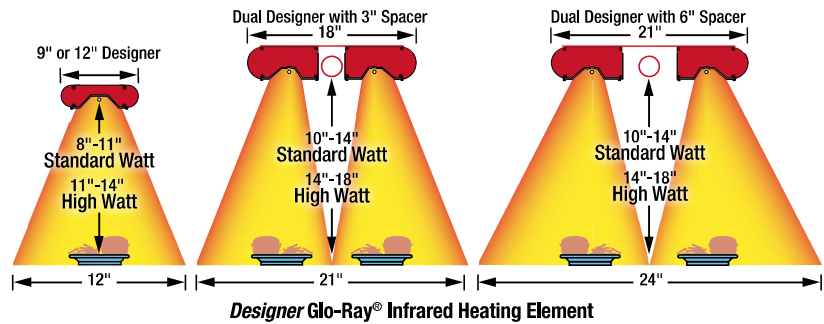**Dual Mounting** Do not mount warmers side by side (dual mounting) with less than a 3" space between units.

GLO-RAY® INFRA-BLACK®
Singles (GRAIH, GRAIHL, GRAIHL-D, GRAIH-D)
May not be installed in combustible surroundings.
Non-combustibles:1" above and 4" below. Must be installed in a pass-through area. Units with remote switches may be installed 3" from a non-combustible back wall and flush to an overshelf. Maximum 10" setback from the front of an overshelf.

9" or 12" Designer

8"-11"
Standard Watt
11"-14"
High Watt

12"

Dual Designer with 3" Spacer
18"

10"-14"
Standard Watt
14"-18"
High Watt

21"

Dual Designer with 6" Spacer
21"

10"-14"
Standard Watt
14"-18"
High Watt

24"

Designer **Glo-Ray® Infrared Heating Element**

6"

14"-18"
Standard Watt
16"-22"
High Watt

15"

Dual with 3" Spacer
15"

18"-22"
Standard Watt
22"-26"
High Watt

21"

Dual with 6" Spacer
18"

18"-22"
Standard Watt
22"-26"
High Watt

24"

Ultra-Glo® Heating Element

6"

4"-10"
High Watt Infra-Black with Thermostat

9½"

Dual with 3" or 6" Spacer
15" or 18"

8"-14"
High Watt Infra-Black with Thermostat

19"

Glo-Ray® Infra-Black® Heating Element

* Recommended single unit application without base heat, based on ideal conditions. Based on a 24" Strip Heater. Individual applications may vary, consult factory. Non-flammable surface only.

Strip Heaters

Glo-Ray® Mounting Arrangements

Strip Heaters
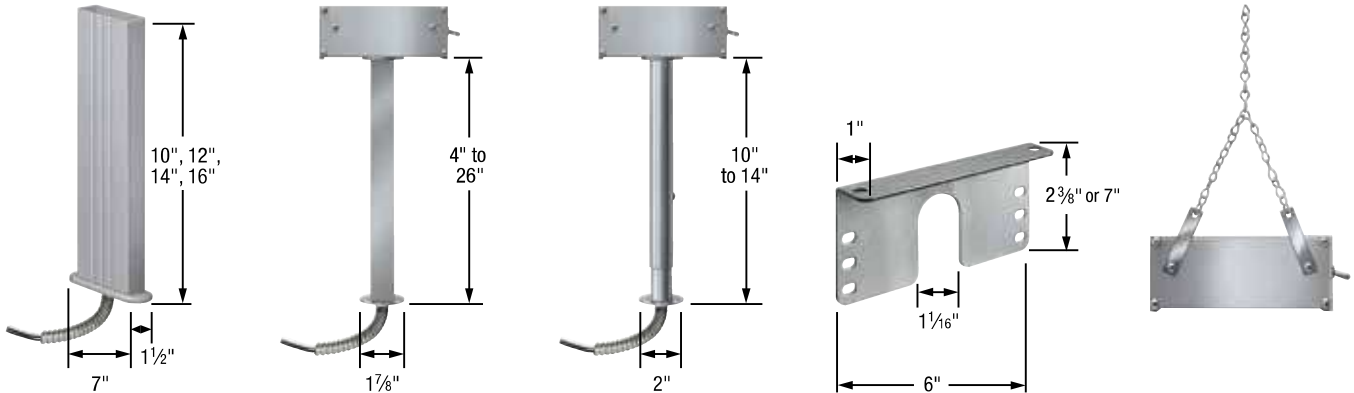
Designer Non-Adjustable Stands
(GR2A series only) Sturdy stands conceal all hook-up wiring. Available in *Designer* colors.

Non-Adjustable Tubular Stands
Sturdy stands conceal all hook-up wiring. Available in *Designer* Colors. Duals require two pair. Specify bottom power location.

Adjustable Tubular Stands
Sturdy tubular stands conceal all hook-up wiring. Duals require two pair (not available on Max Watt® or Ultra-Glo® models). Specify bottom power location.

Angle brackets
Special adjustable angle brackets fit 6" or 9" housings for mounting Glo-Ray under a shelf. Provides 1"-2" space or 1"-6" space between Glo-Ray and overshelf. Duals require two pair. (standard on Max Watt or Ultra-Glo models).

Chain Suspension
Chains attach to tabs provided with warmers and are available in various lengths to suit the location (not available on Max Watt or Ultra-Glo models).
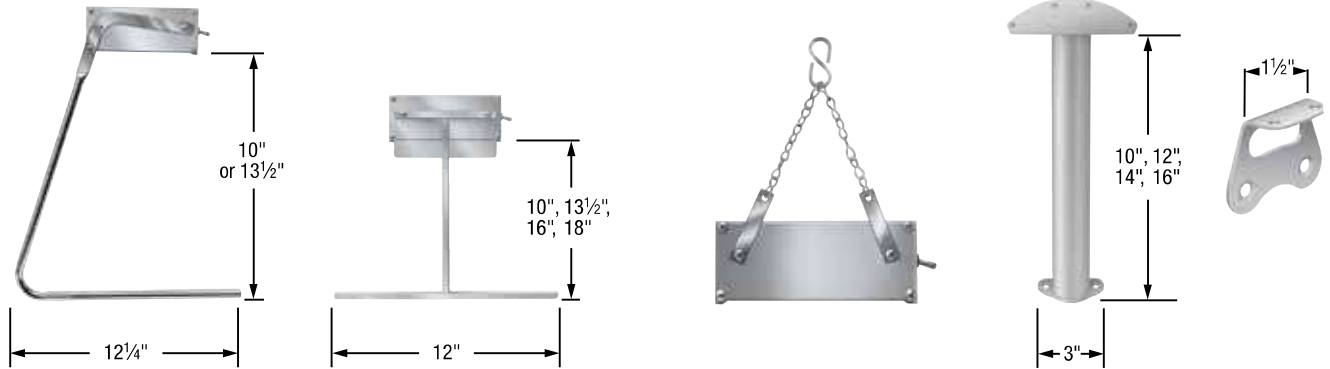
C-Leg Stands
Attractive chrome plated legs allow easy relocation of the warmer. For models 72" or less in width (not available on Max Watt or Ultra-Glo models). Requires attached cord and plug.

T-Leg Stands
Provide rigid stability and allow for more pass-through area below unit. For models 72" or less in width (not available on Max Watt or Ultra-Glo models). Requires attached cord and plug.

Chain Hook
Chains attach to tabs provided with warmers. 6" chain with S-Hooks for units with cord and plug only.

Non-Adjustable Tubular Stands and Angle Brackets
Sturdy stands conceal all hook-up wiring. Specify power location. Standard angle brackets for mounting under a shelf. Provides 1" space between Strip Heater and overshelf. End panels and brackets match unit color.

Remote Control Enclosures (RMBs)

1. Find the volt and current (Amp) rating for the Strip Heater(s) the RMB2 will be controlling. This is the total current of all circuits on the warmer(s).

2. If the current rating is under 20 Amps, then select an RMB2-1R, if the current rating is between 20 and 40 Amps, select the RMB2-2R. The RMB2-2R has two 20 Amp outputs.

3. Select the current (Amp) rating of the RMB2 that is just above the total current rating of the warmer(s) it will control. The RMB2 will need to be connected to a branch circuit breaker suitable for its current rating.

4. Select the voltage rating for the RMB2 based on the highest voltage rating of the warmer(s). For example, if the warmer(s) is rated 120/208 volts, select a 208 volt RMB2 control.

Need help choosing the correct RMB?
"Choose Remote Box (RMB)" can be found on:
www.hatcocorp.com
under "Resources"

- Easy to specify, install and service
- Compatible with most Strip Heaters (GR-XX, GRA-XX(D), GRAH-XX(D), GRAIH-XX(D), GR2A-XX(D), GR2AH-XX(D), GR5A-XX(D), GRN-XX, GRNH-XX and GRAM-XX(D) series)
- Total amperage of light and heat combined cannot exceed max Amp rating of the RMB

- Maximum of 8 Amps total allowed on the light circuit
- Multiple Strip Heaters may be connected to one RMB2 if the combined current draw of the warmers is less than the rating of the RMB2. All warmers will be controlled with same set-point

RMB2-2R
with two relays

RMB2-1R
with one relay

REMOTE CONTROL ENCLOSURES (RMBs)

Model	Description	Voltage
RMB2		
RMB2-1R — 1 Toggle, 1 Infinite, 1 Relay, 1 Indicator		
	12 Max. Amps	120, 208, 240
	16 Max. Amps	120, 208, 240
	20 Max. Amps	120, 208, 240
RMB2-2R — 1 Toggle, 1 Infinite, 2 Relays, 1 Indicator		
	24 Max. Amps	120, 208, 240
	32 Max. Amps	120, 208, 240
	40 Max. Amps	120, 208, 240

All Models Feature:
Ship Weight: 6-8 lbs. depending on components.
Dimensions: RMB2-1R: 11"W x 4½"D x 5½"H.
          RMB2-2R: 14"W x 4½"D x 5½"H.
Cutout Dimensions: RMB2-1R: 10⅛" W x 4¾" H.
          RMB2-2R: 13⅛" W x 4¾" H.

Strip Heaters

Remote Control Enclosures (RMBs)

Hatco Remote Control Enclosures (RMBs) are built in accordance with UL standards for toggle or infinite switches, indicator lights and wiring, ready for installation when purchased with Glo-Ray® Strip Heaters. When Remote Control Enclosures are used, no more than one RMB per Strip Heater and no more than one Strip Heater per RMB.

- Built for toggle or infinite switches, indicator lights and wiring
- One RMB per Strip Heater
- Consult RMB configurator for specific details at www.hatcocorp.com, under "Resources"

RMB-7L with toggle switch and infinite control

RMB-16E with infinite controls, toggle switches and optional *Designer* Warm Red

RMB-14E with infinite controls

RMB-3F with toggle switch and indicator light

RMB-7D with toggle switches and optional *Designer* Hunter Green

Toggle Switch: Max. 15 Amps
Infinite Switch: Max. 12.2 Amps

Remote Control Enclosures (RMBs): When used, no more than one RMB per Strip Heater and no more than one Strip Heater per RMB.

Need help choosing the correct RMB?
"Choose Remote Box (RMB)" can be found on:
www.hatcocorp.com
under "Resources"

REMOTE CONTROL ENCLOSURES (RMBs)

Model	Description	Voltage	Width
RMB-3A, -3B, -3C	1 Infinite	120, 208, 240	5½"
RMB-3D	1 Toggle	120, 208, 240	5½"
RMB-3E	2 Toggle	120, 208, 240	5½"
RMB-3F, -3G, -3H	1 Toggle, 1 Indicator	120, 208, 240	5½"
RMB-7A, -7B, -7C	2 Infinite	120, 208, 240	9"
RMB-7D	3 Toggle	120, 208, 240	9"
RMB-7E	4 Toggle	120, 208, 240	9"
RMB-7F, -7G, -7H	1 Infinite, 1 Indicator	120, 208, 240	9"
RMB-7I, -7J, -7K	2 Toggle, 2 Indicator	120, 208, 240	9"
RMB-7L, -7M, -7N	1 Toggle, 1 Infinite	120, 208, 240	9"
RMB-7O, -7P, -7Q	1 Toggle, 1 Infinite, 1 Indicator	120, 208, 240	9"
RMB-7S	2 Toggles, 1 Indicator	120/208, 120/240	9"
RMB-14A, -14B, -14C	3 Infinite	120, 208, 240	14"
RMB-14D, -14E, -14F	4 Infinite	120, 208, 240	14"
RMB-14G	5 Toggle	120, 208, 240	14"
RMB-14H	6 Toggle	120, 208, 240	14"
RMB-14I, -14J, -14K	3 Toggle, 3 Indicator	120, 208, 240	14"
RMB-14L, -14M, -14N	2 Infinite, 2 Indicator	120, 208, 240	14"
RMB-14O, -14P, -14Q	2 Toggle, 2 Infinite	120, 208, 240	14"
RMB-14R, -14S, -14T	1 Toggle, 1 Infinite w/Relay, 1 Indicator	120, 208, 240	14"
RMB-14V, -14W, -14Y	1 Toggle, 2 Infinite	120, 208, 240	14"
RMB-14AA, -14AB	Master Toggle, 1 Electronic Infinite w/Relay	120, 208, 240	14"
RMB-14AF, -14AG, -14AH	3 Toggle, 2 Indicator	120, 208, 240	14"
RMB-14AI, -14AJ, -14AK	1 Toggle, 3 Infinite	120, 208, 240	14"
RMB-14AL, -14AM, -14AN	1 Toggle, 2 Infinite, 2 Indicator	120, 208, 240	14"
RMB-14AO, -14AP, -14AQ	1 Toggle, 2 Infinite, 3 Indicator	120, 208, 240	14"
RMB-14AR, -14AS, -14AT	1 Infinite with Relay, 1 Indicator	120, 208, 240	14"
RMB-16B, -16C, -16D	1 Toggle, 4 Infinite	120, 208, 240	16"
RMB-16E, -16F, -16G	3 Toggle, 2 Infinite	120, 208, 240	16"
RMB-20D, -20E, -20F	3 Toggle, 2 Infinite	120, 208, 240	20"
RMB-20G, -20H, -20I	2 Toggle, 4 Infinite	120, 208, 240	20"
RMB-20L, -20J, -20K,	3 Toggle, 4 Infinite, 4 Indicator	120, 208, 240	20"
RMB-20M, -20N, -20P	3 Toggle, 2 Infinite, 2 Indicator	120, 208, 240	20"
RMB-20R, -20S, -20T	2 Toggle, 4 Infinite, 4 Indicator	120, 208, 240	20"
RMB-20AA, -20AB, -20AC	2 Toggle, 2 Infinite, 2 Indicator	120, 208, 240	20"
RMB-20AH, -20AF, -20AG	4 Infinite, 4 Indicator	120, 208, 240	20"
RMB-20AN, -20AO, -20AP	4 Toggle, 4 Indicator	120, 208, 240	20"

All Models Feature:
Ship Weight: 2-8 lbs. depending on components.
Max. Allowable Amperage per Switch: Toggle 15.0; Infinite 12.2.
Dimensions (not including switches): 5½", 9", 14", 16" or 20"W x 3"D x 2½"H.

OPTIONS *(available at time of purchase only)*

Designer Colors – Non-standard colors are non-returnable – Clear Anodized Standard –
   RMB-COLOR   Remote Control Enclosure Housing in *Designer* Color

RED	Warm Red	**GRAY**	Gray Granite	**NAVY**	Navy Blue	**COPPER** Antique Copper
BLACK	Black	**WHITE**	White Granite	**GREEN**	Hunter Green	

Gloss Finishes – Non-standard colors are non-returnable – Clear Anodized Standard –
   RMB-GLOSS   Remote Control Enclosure Housing in Gloss Finish

RRED	Radiant Red	**GGRAY**	Glossy Gray	**BBLACK**	Bold Black
GGOLD	Gleaming Gold	**BBLUE**	Brilliant Blue		

COLORS AND FINISHES – INSIDE BACK COVER

Strip Heaters