



# Strip Heater Solutions

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



**GRAHL-72** with optional sneeze guards and non-adjustable tubular stands *pg. 2*



A series of **GRAH-60Ds** *pg. 4*



**GRAHL-42D** with 152 mm spacer and optional non-adjustable tubular stands *pg. 4*



**GRAHL-72D** in *Designer Black* *pg. 1*



**UGAH-42D** with optional Gloss finish and 76 mm spacer. Remote Control Enclosure recommended (not shown) *pg. 7*



**GRAIH-72** *pg. 9*



## Glo-Ray® Infrared Strip Heaters

Safely hold the temperature of your product without drying out or further cooking food with Hatco's Glo-Ray® Infrared Foodwarmers. The end result is hot, fresh food that's ready-to-serve. The sturdy stainless steel or 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 457 to 1829 mm
- Reflector does not blacken, maintaining a consistent heat pattern
- Reinforced wire guard provides operator safety without affecting heat distribution

- Heavy-duty insulation minimizes heat loss
- Optional sneeze guards (excludes stainless steel models)
- Available with lights (excludes stainless steel models)
- Available in stainless steel housing 457 to 1829 mm



**GRAH-48** with optional sneeze guards, cord and plug set and T-legs



**GRAH-36** with optional Designer color, infinite switch, cord and plug set and C-legs

### STAINLESS STEEL STRIP HEATERS – HIGH WATT

Model <sup>^</sup>	Dimensions W x D x H	Voltage Single Phase		Watts	Ship Weight
		220V Amps	240V Amps		
GRH-18	457 x 152 x 69 mm	1.6	1.5	350	3 kg
GRH-24	610 x 152 x 69 mm	2.3	2.1	500	3 kg
GRH-36	914 x 152 x 69 mm	3.6	3.3	800	5 kg
GRH-48	1219 x 152 x 69 mm	5.0	4.6	1100	5 kg
GRH-60	1524 x 152 x 69 mm	6.4	5.8	1400	7 kg
GRH-72	1829 x 152 x 69 mm	7.8	7.2	1725	9 kg

<sup>^</sup>GRH Models are not available with lights or sneeze guards.

#### All Stainless Steel Strip Heaters Feature:

Toggle Switch (Max. 15 Amps) Location: Chef's left side.

Leads: 152 mm pigtail leads – server's right.

### ALUMINUM STRIP HEATERS – HIGH WATT

Model	Dimensions W x D x H	Voltage Single Phase		Watts	Ship Weight
		220V Amps	240V Amps		
GRAH-18	457 x 152 x 64 mm	1.6	1.5	350	3 kg
GRAH-24	610 x 152 x 64 mm	2.3	2.1	500	3 kg
GRAH-30	762 x 152 x 64 mm	3.3	2.8	660	4 kg
GRAH-36	914 x 152 x 64 mm	3.6	3.3	800	4 kg
GRAH-42	1067 x 152 x 64 mm	4.3	4.0	950	5 kg
GRAH-48	1219 x 152 x 64 mm	5.5	5.0	1100	5 kg
GRAH-54	1372 x 152 x 64 mm	5.7	5.2	1250	6 kg
GRAH-60	1524 x 152 x 64 mm	6.4	5.8	1400	6 kg
GRAH-66	1676 x 152 x 64 mm	7.1	6.5	1560	7 kg
GRAH-72	1829 x 152 x 64 mm	7.8	7.2	1725	8 kg

#### All Aluminum Strip Heaters Feature:

Toggle Switch (Max. 15 Amps) Location: Chef's left side (unless otherwise specified).

Leads: 152 mm pigtail leads – server's right.

### ALUMINUM STRIP HEATER WITH LIGHTS – HIGH WATT

Model	Bulbs	Dimensions W x D x H	Voltage Single Phase		Watts	Ship Weight
			220V Amps	240V Amps		
GRAHL-18	2	457 x 229 x 64 mm	2.1	2.0	470	4 kg
GRAHL-24	2	610 x 229 x 64 mm	2.8	2.6	620	5 kg
GRAHL-30	2	762 x 229 x 64 mm	3.5	3.3	780	5 kg
GRAHL-36	3	914 x 229 x 64 mm	4.5	4.1	980	6 kg
GRAHL-42	3	1067 x 229 x 64 mm	5.1	4.7	1130	7 kg
GRAHL-48	4	1219 x 229 x 64 mm	6.1	5.6	1340	8 kg
GRAHL-54	4	1372 x 229 x 64 mm	6.8	6.2	1490	9 kg
GRAHL-60	5	1524 x 229 x 64 mm	7.7	7.1	1700	10 kg
GRAHL-66	5	1676 x 229 x 64 mm	8.5	7.8	1860	10 kg
GRAHL-72	6	1829 x 229 x 64 mm	9.5	8.7	2085	11 kg

#### All Aluminum Strip Heaters with Lights Feature:

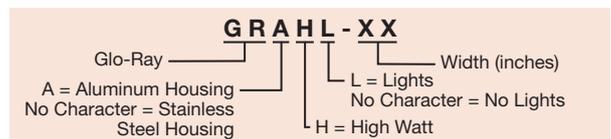
Toggle Switch (Max. 15 Amps) Location: Chef's left side – light side (unless otherwise specified).

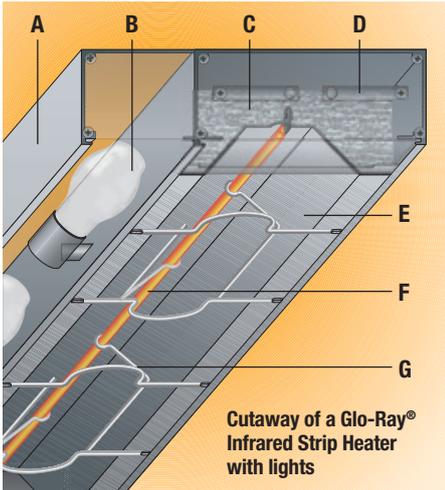
Leads: 152 mm pigtail leads – server's right.

#### OPTIONS AND ACCESSORIES – PAGE 3

#### RECOMMENDED MOUNTING HEIGHTS – PAGE 12

ALL GLO-RAY METAL SHEATHED HEATING ELEMENTS WARRANTED AGAINST BURNOUT AND BREAKAGE FOR TWO YEARS.





- A** Stainless steel or sturdy aluminum housings that do not sag, from 457 mm up to 1829 mm in 153 mm increments. Stainless units available in single units without lights, up to 1829 mm in width
- B** Shatter-resistant incandescent lights (standard on GRAHL)
- C** Heavy-duty insulation minimizes heat loss
- D** Standard brackets 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 is guaranteed against burnout and breakage for two years
- G** Wire guard supports the heating element and provides operator safety without affecting heat distribution

**OPTIONS** (available at time of purchase only)

**Designer Colors, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>COLOR-6</b>	152 mm Housing for GRAH Models						
<b>COLOR-9</b>	229 mm Housing for GRAHL Models						
<b>RED</b>	Warm Red	<b>GRAY</b>	Gray Granite	<b>NAVY</b>	Navy Blue	<b>COPPER</b>	Antique Copper
<b>BLACK</b>	Black	<b>WHITE</b>	White Granite	<b>GREEN</b>	Hunter Green		

**Gloss Finishes, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>GLOSS-6</b>	152 mm Housing for GRAH Models					
<b>GLOSS-9</b>	229 mm Housing for GRAHL Models					
<b>RRED</b>	Radiant Red	<b>GGRAY</b>	Glossy Gray	<b>BBLACK</b>	Bold Black	
<b>GGOLD</b>	Gleaming Gold	<b>BBLUE</b>	Brilliant Blue			

<b>CAP-EX</b>	Attached 1829 mm Cord and Plug Set on Models up to 1829 mm
<b>IND. LGT</b>	Indicator Light (Remote Control only on Stainless Steel units)

**Leads (must specify Lead length) –**

<b>LEADS5</b>	305-1525 mm Extended Electrical Leads
<b>LEADS10</b>	1829-3048 mm Extended Electrical Leads
<b>LEADS15</b>	3352-4572 mm Extended Electrical Leads
<b>LEADS20</b>	4877-6096 mm Extended Electrical Leads

<b>9.375BP1</b>	238 mm Sneeze Guard, one side
<b>9.375BP2</b>	238 mm Sneeze Guard, two sides
<b>14BP1</b>	356 mm Sneeze Guard, one side
<b>14BP2</b>	356 mm Sneeze Guard, two sides

<b>LIGHTS-ADD'L</b>	Extra Lamps – installed (max. two per 305 mm less one – one per 305 mm is standard). Must be ordered with Remote Switches only
<b>3 ANEAL REFL</b>	Bright Annealed Reflector for Lights

**Infinite Control (REMOTE CONTROL ENCLOSURE RECOMMENDED) –**

<b>BLT INF</b>	Built-In in lieu of Toggle (max. of 12.2 Amps). Remote installation recommended
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**Remote Control Enclosure (available in Designer Colors and Gloss Finishes) – Non-standard colors are non-returnable –**

<b>RMB</b>		<b>See Page 11 for Models</b>
<b>ATL</b>	Adjustable Tubular Stands 254-356 mm (not available in <i>Designer Colors</i> )	
<b>NTL-10, 12</b>	Non-Adjustable Tubular Stands (specify 254 or 305 mm clearance)	
<b>NTL-14, 16</b>	Non-Adjustable Tubular Stands (specify 356 or 406 mm clearance)	
<b>NTL-PAINT</b>	Non-Adjustable Tubular Stands in <i>Designer Colors</i> or <i>Gloss Finishes</i> (specify color) – Non-standard colors are non-returnable	

**ACCESSORIES**

<b>CL-HIGH</b>	C-Leg Stands High Watt – 343 mm clearance (for Models up to 1829 mm)
<b>TL-13</b>	T-Leg Stands – 343 mm clearance (for Models up to 1829 mm)
<b>TL-16</b>	T-Leg Stands – 406 mm clearance (for Models up to 1829 mm)
<b>TL-18</b>	T-Leg Stands – 457 mm clearance (for Models up to 1829 mm)
<b>GR-ANGLE</b>	Adjustable Angle Brackets (GRAH Models only)
<b>ADJ ANGLE</b>	Adjustable Angle Brackets (GRAH, GRAHL Models only)
<b>CHAIN 1</b>	Chain Suspension

**COLORS AND FINISHES – PAGE 13**



**Glo-Ray® 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 457 to 1829 mm
- Metal sheathed heating elements guaranteed against burnout and breakage for two years
- Reflector does not blacken, maintaining a consistent heat pattern

- Reinforced wire guard provides operator safety without affecting heat distribution
- 76 or 152 mm spacer available
- Heavy-duty insulation minimizes heat loss



GRAH-36D with 76 mm spacer



GRAHL-72D with optional *Designer* color, 76 mm spacer and lights

**ALUMINUM DUAL STRIP HEATER – HIGH WATT**

Model	Width	Voltage Single Phase		Watts	Ship Weight
		220V Amps	240V Amps		
GRAH-18D	457 mm	3.2	2.9	700	7 kg
GRAH-24D	610 mm	4.5	4.2	1000	8 kg
GRAH-30D	762 mm	6.0	5.5	1320	9 kg
GRAH-36D	914 mm	7.3	6.7	1600	10 kg
GRAH-42D	1067 mm	8.6	7.9	1900	11 kg
GRAH-48D	1219 mm	10.0	9.2	2200	13 kg
GRAH-54D	1372 mm	11.4	10.4	2500	14 kg
GRAH-60D	1524 mm	12.7	11.7	2800	16 kg
GRAH-66D	1676 mm	14.2	13.0	3120	18 kg
GRAH-72D	1829 mm	15.7	14.4	3450	19 kg

**All Aluminum Dual Strip Heaters Feature:**

Toggle Switch (Max. 15 Amps) Location: Chef's left side (unless otherwise specified).

Leads: 152 mm pigtail leads – server's right.

Dimensions: With 76 mm Spacer (standard): 457-1829 W x 381 D x 64 H mm.

With 152 mm Spacer: 457-1829 W x 457 D x 64 H mm.

**ALUMINUM DUAL STRIP HEATERS WITH LIGHTS – HIGH WATT**

Model	Bulbs	Width	Voltage Single Phase		Watts	Ship Weight
			220V Amps	240V Amps		
GRAHL-18D	2	457 mm	3.7	3.4	820	7 kg
GRAHL-24D	2	610 mm	5.1	4.7	1120	8 kg
GRAHL-30D	2	762 mm	6.5	6.0	1440	9 kg
GRAHL-36D	3	914 mm	8.1	7.4	1780	10 kg
GRAHL-42D	3	1067 mm	9.5	8.7	2080	11 kg
GRAHL-48D	4	1219 mm	11.1	10.2	2440	13 kg
GRAHL-54D	4	1372 mm	12.5	11.4	2740	15 kg
GRAHL-60D	5	1524 mm	14.1	12.9	3100	17 kg
GRAHL-66D	5	1676 mm	15.5	14.3	3420	18 kg
GRAHL-72D	6	1829 mm	17.3	15.9	3810	19 kg

**All Aluminum Dual Strip Heaters with Lights Feature:**

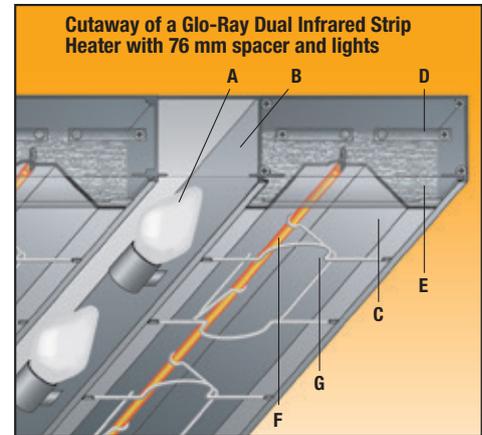
Toggle Switch (Max. 15 Amps) Location: Chef's left side (unless otherwise specified).

Leads: 152 mm pigtail leads – server's right.

Dimensions: With 76 mm Spacer (standard): 457-1829 W x 381 D x 64 H mm.

With 152 mm Spacer: 457-1829 W x 457 D x 64 H mm.

**OPTIONS AND ACCESSORIES – PAGE 5**  
**RECOMMENDED MOUNTING HEIGHTS – PAGE 12**



- A Shown with optional shatter-resistant incandescent lights
- B Sturdy extruded aluminum housings that do not sag, from 457 mm up to 1829 mm
- 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 is guaranteed against burnout and breakage for two years
- G Reinforced wire guard provides operator safety without affecting heat distribution

ALL GLO-RAY METAL SHEATHED HEATING ELEMENTS WARRANTED AGAINST BURNOUT AND BREAKAGE FOR TWO YEARS.





A series of **GRAH-60Ds**

**OPTIONS** (available at time of purchase only)

**Designer Colors, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>COLOR-15, -18</b>	381 mm and 457 mm Housings for GRAH and GRAHL Dual Models	<b>RED</b> Warm Red	<b>GRAY</b> Gray Granite	<b>NAVY</b> Navy Blue	<b>COPPER</b> Antique Copper
		<b>BLACK</b> Black	<b>WHITE</b> White Granite	<b>GREEN</b> Hunter Green	

**Gloss Finishes, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>GLOSS-15, -18</b>	381 mm and 457 mm Housings for GRAH and GRAHL Dual Models	<b>RRED</b> Radiant Red	<b>GGRAY</b> Glossy Gray	<b>BBLACK</b> Bold Black
		<b>GGOLD</b> Gleaming Gold	<b>BBLUE</b> Brilliant Blue	

<b>IND. LGT</b>	Indicator Light (Remote Control only)
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**Leads (must specify Lead length) –**

<b>LEADS5</b>	305-1525 mm Extended Electrical Leads
<b>LEADS10</b>	1829-3048 mm Extended Electrical Leads
<b>LEADS15</b>	3352-4572 mm Extended Electrical Leads
<b>LEADS20</b>	4877-6096 mm Extended Electrical Leads
<b>9.375BP1</b>	238 mm Sneeze Guard (Aluminum Models only), one side
<b>9.375BP2</b>	238 mm Sneeze Guard (Aluminum Models only), two sides
<b>14BP1</b>	356 mm Sneeze Guard (Aluminum Models only), one side
<b>14BP2</b>	356 mm Sneeze Guard (Aluminum Models only), two sides
<b>LIGHTS-ADD'L</b>	Extra Lamps – installed (max. two per 305 mm less one – one per 305 mm is standard). Aluminum Models only
<b>3 ANEAL REFL</b>	Bright Annealed Reflector for Lights with 76 mm Spacer (Aluminum Models only)
<b>6 ANEAL REFL</b>	Bright Annealed Reflector for Lights with 152 mm Spacer (Aluminum Models only)

**Infinite Control (REMOTE CONTROL ENCLOSURE RECOMMENDED) –**

<b>BLT INF</b>	Built-in in lieu of Toggle (max. of 12.2 Amps)
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**Remote Control Enclosure (available in Designer Colors and Gloss Finishes) – Non-standard colors are non-returnable –**

<b>RMB</b>	See page 11 for Models
<b>RMB-ATT</b>	Factory attaches Control Box to Strip Heater (GRAH, GRAHL Dual Models only). Must select RMB on page 11
<b>ATL-D</b>	Adjustable Tubular Stands 254-356 mm (not available in <i>Designer Colors</i> )
<b>NTL-10-D, 12-D</b>	Non-Adjustable Tubular Stands (specify 254 or 305 mm clearance)
<b>NTL-14-D, 16-D</b>	Non-Adjustable Tubular Stands (specify 356 or 406 mm clearance)
<b>NTL-PAINT-D</b>	Non-Adjustable Tubular Stands in <i>Designer Colors</i> or <i>Gloss Finishes</i> (specify color) – Non-standard colors are non-returnable

**ACCESSORIES**

<b>ADJ ANGLE-D</b>	Adjustable Angle Brackets (see page 11 for illustration)
<b>CHAIN 1</b>	Chain Suspension (see page 11 for illustration)

**COLORS AND FINISHES – PAGE 13**



## Ultra-Glo® Ceramic Infrared Strip Heaters

Hatco Ultra-Glo® Ceramic 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 box enclosure (recommended). Ideal for a fabricator who wants to incorporate a food warmer component into their final assembly.

- Pre-focused pyramidal heat pattern, concentrates the heat at the edges where heat loss is the greatest
- Increased height improves operational working clearances, giving the chef and server an improved ergonomic working environment
- Available in widths from 457 to 1829 mm
- Adaptable to many locations and configurations, including back-or front-of-the-house use, open kitchen concepts or buffet lines
- Optional coated shatter-resistant incandescent lights enhance product displays while safeguarding food from bulb breakage



UGAH-18 with optional Gloss finish and requires remote control box (not shown)

### ALUMINUM CERAMIC STRIP HEATERS – HIGH WATT (Standard control box includes toggle switch[es] and indicator light[s]) (CE Mark not available)

Model†	Width	Voltage		Watts	Ship Weight*
		Single Phase			
UGAH-18	457 mm	240		675	4 kg
UGAH-24	610 mm	240		750	5 kg
UGAH-30	762 mm	240		1125	5 kg
UGAH-36	914 mm	240		1350	5 kg
UGAH-42	1067 mm	240		1500	6 kg
UGAH-48	1219 mm	240		2025	6 kg
UGAH-54	1372 mm	240		2250	7 kg
UGAH-60	1524 mm	240		2700	8 kg
UGAH-66	1676 mm	240		2700	9 kg
UGAH-72	1829 mm	240		3000	9 kg

### ALUMINUM CERAMIC STRIP HEATERS WITH LIGHTS – HIGH WATT (CE Mark not available)

Model†	Bulbs	Width	Voltage		Watts	Ship Weight*
			Single Phase			
UGAHL-18	1	457 mm	240		735	5 kg
UGAHL-24	2	610 mm	240		870	6 kg
UGAHL-30	2	762 mm	240		1245	7 kg
UGAHL-36	3	914 mm	240		1530	8 kg
UGAHL-42	3	1067 mm	240		1680	8 kg
UGAHL-48	4	1219 mm	240		2265	9 kg
UGAHL-54	4	1372 mm	240		2490	10 kg
UGAHL-60	5	1524 mm	240		3000	10 kg
UGAHL-66	5	1676 mm	240		3000	11 kg
UGAHL-72	6	1829 mm	240		3360	12 kg

† CE Mark not available.

\* Does not include Remote Control Enclosure (RMB).

■ Includes either attached control or RMB with toggle switch(es) and indicator light(s).

\* Units with lights not available with attached control box. Available with RMB or no switches.

#### All Aluminum Ceramic Strip Heaters Feature:

Models Shipped with: Angle brackets with 152 mm leads.

UGAH Dimensions with Remote Control Enclosure, Toggle and Indicator Light:

457-1829 W x 152 D x 64 H mm.

UGAHL Dimensions with Remote Control Enclosure, Toggle and Indicator Light:

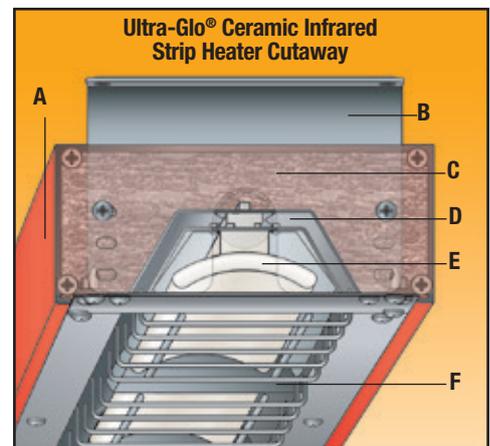
457-1829 W x 229 D x 64 H mm.

UGAH Dimensions with Attached Box: 457-1829 W x 251 D x 64 H mm.

#### OPTIONS – PAGE 8

#### REMOTE BOXES – PAGE 11

#### RECOMMENDED MOUNTING HEIGHTS – PAGE 12



**A** Sturdy aluminum housings that do not sag, widths from 457 mm up to 1829 mm in 152 mm increments

**B** Adjustable standard mounting bracket (allows three different mounting heights and allows 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 the heat on the food

**F** Wire guards protect users from incidental contact with the elements

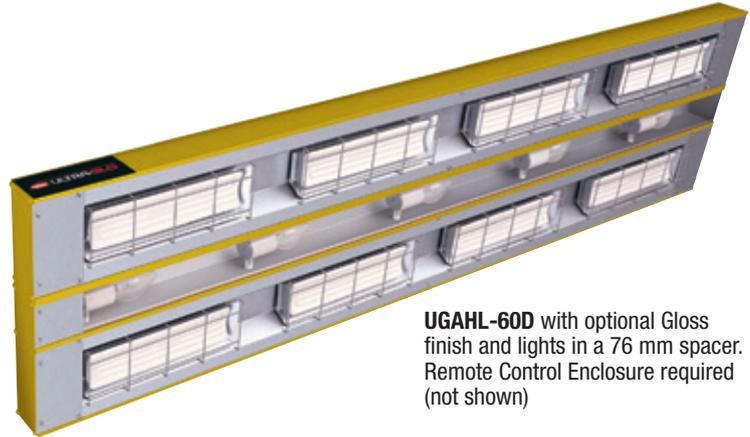
ALL CERAMIC HEATING ELEMENTS WARRANTED AGAINST BURNOUT FOR ONE YEAR.



## Ultra-Glo® Ceramic Dual Infrared 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. Ideal for a fabricator who wants to incorporate a food warmer component into their final assembly.

- 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 any location and configuration, including back- or front-of-the-house use, open kitchen concepts or buffet lines
- Sturdy continuous aluminum housings
- Pre-focused heat pattern provides an increased pyramidal dimension, concentrating heat at the edges where heat loss is the greatest
- Available in widths from 457 to 1829 mm
- Remote Control Enclosure with toggle switch, indicator lights and wiring for convenient control placement



**UGAHL-60D** with optional Gloss finish and lights in a 76 mm spacer. Remote Control Enclosure required (not shown)

**ALUMINUM DUAL CERAMIC STRIP HEATERS – HIGH WATT**  
*(Standard control box includes toggle switch[es]and indicator light[s]) (CE Mark not available)*

Model†	Width	Voltage Single Phase	Watts	Ship Weight*
UGAH-18D	457 mm	240	1350	8 kg
UGAH-24D	610 mm	240	1500	9 kg
UGAH-30D	762 mm	240	2250	10 kg
UGAH-36D	914 mm	240	2700	11 kg
UGAH-42D	1067 mm	240	3000	12 kg
UGAH-48D	1219 mm	240	4050	14 kg
UGAH-54D	1372 mm	240	4500	15 kg
UGAH-60D	1524 mm	240	5400	17 kg
UGAH-66D	1676 mm	240	5400	18 kg
UGAH-72D	1829 mm	240	6000	20 kg

**ALUMINUM DUAL CERAMIC STRIP HEATERS WITH LIGHTS – HIGH WATT (CE Mark not available)**

Model	Bulbs	Width	Voltage Single Phase	Watts	Ship Weight*
UGAHL-18D	1	457 mm	240	1410	8 kg
UGAHL-24D	2	610 mm	240	1620	9 kg
UGAHL-30D	2	762 mm	240	2370	10 kg
UGAHL-36D	3	914 mm	240	2880	11 kg
UGAHL-42D	3	1067 mm	240	3180	12 kg
UGAHL-48D	4	1219 mm	240	4290	14 kg
UGAHL-54D	4	1372 mm	240	4790	15 kg
UGAHL-60D	5	1524 mm	240	5700	17 kg
UGAHL-66D	5	1676 mm	240	5700	18 kg
UGAHL-72D	6	1829 mm	240	6360	20 kg

† CE Mark not available.

\* Does not include Remote Control Enclosure (RMB).

■ Includes either attached control or RMB with toggle switch(es)and indicator light(s).

+ Units with lights will be supplied with RMB or without switches.

**All Aluminum Ceramic Dual Strip Heaters Feature:**

Models Shipped with: Angle brackets and leads (914 mm conduit whip).

Dimensions with Attached Control Box, Toggle and Indicator Light (UGAH only): 457-1829 W x 479 D x 64 H mm.

Dimensions with Remote Control Enclosure, Toggle and Indicator Light: 457-1829 W x 381 D x 64 H mm.

**OPTIONS - PAGE 8**

**REMOTE BOXES – PAGE 11**

**RECOMMENDED MOUNTING HEIGHTS – PAGE 12**



ALL CERAMIC HEATING ELEMENTS WARRANTED AGAINST BURNOUT FOR ONE YEAR.



UGAH-42D with 76 mm spacer. Remote Control Enclosure recommended (not shown)

**OPTIONS** (available at time of purchase only)

**Designer Colors, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>COLOR-6</b>	152 mm Housing for Single UGAH Models						
<b>COLOR-9</b>	229 mm Housing for Single UGAHL Models						
<b>COLOR-15</b>	381 mm Housings for Dual UGAH, UGAL, UGAHL						
<b>RED</b>	Warm Red	<b>GRAY</b>	Gray Granite	<b>NAVY</b>	Navy Blue	<b>COPPER</b>	Antique Copper
<b>BLACK</b>	Black	<b>WHITE</b>	White Granite	<b>GREEN</b>	Hunter Green		

**Gloss Finishes, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>GLOSS-6</b>	152 mm Housing for Single UGAH Models					
<b>GLOSS-9</b>	229 mm Housing for Single UGAHL Models					
<b>GLOSS-15</b>	381 mm Housings for Dual UGAH, UGAHL					
<b>RRED</b>	Radiant Red	<b>GGRAY</b>	Glossy Gray	<b>BBLACK</b>	Bold Black	
<b>GGOLD</b>	Gleaming Gold	<b>BBLUE</b>	Brilliant Blue			

**Designer Colors, Remote Control Enclosures – Non-standard colors are non-returnable –**

<b>RMB-COLOR</b>	Remote Control Housing in Designer Color (select color) – Non-standard colors are non-returnable –						
<b>RED</b>	Warm Red	<b>GRAY</b>	Gray Granite	<b>NAVY</b>	Navy Blue	<b>COPPER</b>	Antique Copper
<b>BLACK</b>	Black	<b>WHITE</b>	White Granite	<b>GREEN</b>	Hunter Green		

**Gloss Finishes, Remote Control Enclosures – Non-standard colors are non-returnable –**

<b>RMB-GLOSS</b>	Remote Control Housing in Gloss Finish (select finish) – Non-standard colors are non-returnable –					
<b>RRED</b>	Radiant Red	<b>GGRAY</b>	Glossy Gray	<b>BBLACK</b>	Bold Black	
<b>GGOLD</b>	Gleaming Gold	<b>BBLUE</b>	Brilliant Blue			

<b>LIGHTS-ADD'L</b>	Extra Lamps – installed (max. two per 305 mm less one – one per 305 mm is standard). Aluminum Models only
<b>UGA-NTL-14, -16</b>	Non-Adjustable Tubular Stands (specify 356 or 406 mm clearance)
<b>UGA-NTL-18, -20</b>	Non-Adjustable Tubular Stands (specify 457 or 508 mm clearance)
<b>UGA-NTL-22, -24</b>	Non-Adjustable Tubular Stands (specify 559 or 610 mm clearance)
<b>UGA-NTL-18-D, -20-D</b>	Non-Adjustable Tubular Stands (specify 457 or 508 mm clearance)
<b>UGA-NTL-22-D, -24-D, -26D</b>	Non-Adjustable Tubular Stands (specify 559, 610 or 660 mm clearance)
<b>NTL-PAINT</b>	Non-Adjustable Tubular Stands in Designer Colors or Gloss Finishes (specify color) – Non-standard colors are non-returnable
<b>NTL-PAINT-D</b>	Non-Adjustable Tubular Stands in Designer Colors or Gloss Finishes (specify color) – Non-standard colors are non-returnable

**Leads (must specify Lead length) –**

<b>HT-LEADS5</b>	305-1524 mm Extended Electrical Leads
<b>HT-LEADS10</b>	1829-3048 mm Extended Electrical Leads
<b>HT-LEADS15</b>	3353-4572 mm Extended Electrical Leads
<b>HT-LEADS20</b>	4877-6096 mm Extended Electrical Leads

<b>RMB-UGA</b>	Remote Control Enclosure with Toggle Control and Indicator in lieu of attached Control Box (not available on 240V Dual Models)
<b>RMB-UGA-INF</b>	Remote Control Enclosure with Toggle Switch, Electronic Infinite Control, Relay and Indicator Light in lieu of attached Control Box (not available for 240V Models with Lights). Designer Colors and Gloss Finishes available – Non-standard colors are non-returnable

**COLORS AND FINISHES – PAGE 13**



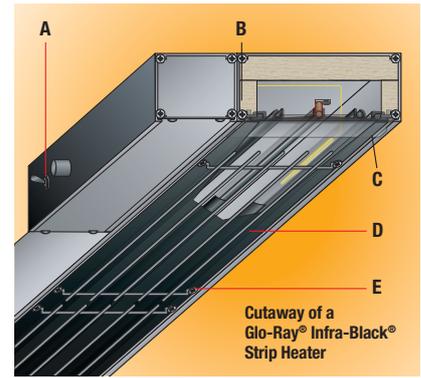
RMB-UGA-INF

## Glo-Ray® Infra-Black® 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-aluminum housings assure quality, durability and a variety of widths, depths, mounting arrangements and colors to fit your operation.

- Provides ideal amount of heat for limited space operations, mounted 102 to 254 mm above target surface for singles and 203 to 356 mm for duals
- Metal sheathed heating elements 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 457 to 1829 mm in 152 mm increments
- Heavy-duty insulation keeps the exterior housing cool
- Optional wire guard available to protect user from incidental contact with the heated surface

**GRAIH-36** with optional TCBI control box and wire guard



- A** Thermostatically controlled to regulate heat and provide consistent temperature. (optional remote infinite control 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

**ALUMINUM INFRA-BLACK® STRIP HEATERS – HIGH WATT**  
(Must specify RMB or TCBI)\*

Model	Width	Voltage		Watts	Ship Weight*
		Single Phase			
GRAIH-18	457 mm	220 or 240		350	3 kg
GRAIH-24	610 mm	220 or 240		500	5 kg
GRAIH-30	762 mm	220 or 240		660	6 kg
GRAIH-36	914 mm	220 or 240		800	7 kg
GRAIH-42	1067 mm	220 or 240		950	8 kg
GRAIH-48	1219 mm	220 or 240		1100	10 kg
GRAIH-54	1372 mm	220 or 240		1250	11 kg
GRAIH-60	1524 mm	220 or 240		1400	12 kg
GRAIH-66	1676 mm	220 or 240		1560	14 kg
GRAIH-72	1829 mm	220 or 240		1725	15 kg

**ALUMINUM DUAL INFRA-BLACK® STRIP HEATERS – HIGH WATT**  
(Must specify RMB or TCBI)\*

Model	Width	Voltage		Watts	Ship Weight*
		Single Phase			
GRAIH-18D	457 mm	220 or 240		700	6 kg
GRAIH-24D	610 mm	220 or 240		1000	9 kg
GRAIH-30D	762 mm	220 or 240		1320	10 kg
GRAIH-36D	914 mm	220 or 240		1600	11 kg
GRAIH-42D	1067 mm	220 or 240		1900	12 kg
GRAIH-48D	1219 mm	220 or 240		2200	15 kg
GRAIH-54D	1372 mm	220 or 240		2500	16 kg
GRAIH-60D	1524 mm	220 or 240		2800	18 kg
GRAIH-66D	1676 mm	220 or 240		3120	19 kg
GRAIH-72D	1829 mm	220 or 240		3450	21 kg

\* Does not include Remote Control Enclosure (RMB) or Thermostatic Control Box (TCBI). Must choose either RMB (see page 11) or TCBI (see OPTIONS on page 10).  
• Does not include RMB.

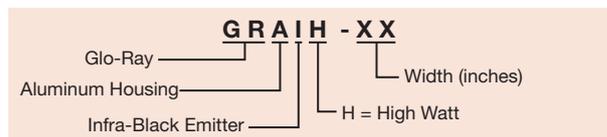
**All Aluminum Infra-Black® Strip Heaters Feature:**

Leads: 152 mm pigtail leads – server's right.  
 Dimensions: GRAIH: 457-1829 W x 152 D x 64 H mm.  
 GRAIH-xxD with 76 mm Spacer: 457-1829 W x 381 D x 64 H mm.  
 GRAIH-xxD with 152 mm Spacer: 457-1829 W x 457 D x 64 H mm.

Control Enclosure Dimensions (not including switches): 203 W x 76 D x 64 H mm.  
 Control Enclosure Location: Chef's left side (unless otherwise specified).

**OPTIONS AND ACCESSORIES – PAGE 10**

ALL GLO-RAY METAL SHEATHED HEATING ELEMENTS WARRANTED AGAINST BURNOUT AND BREAKAGE FOR TWO YEARS.





**GRAIH-72** (requires Remote Control Enclosure)

**OPTIONS** (available at time of purchase only)

**Designer Colors, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>COLOR-6</b>	152 mm Housing for GRAIH Models (select color)						
<b>COLOR-15, -18</b>	381 mm and 457 mm Housings for GRAIH Dual Models (select color)						
<b>RED</b>	Warm Red	<b>GRAY</b>	Gray Granite	<b>NAVY</b>	Navy Blue	<b>COPPER</b>	Antique Copper
<b>BLACK</b>	Black	<b>WHITE</b>	White Granite	<b>GREEN</b>	Hunter Green		

**Gloss Finishes, Aluminum Models 457-1829 mm – Non-standard colors are non-returnable –**

<b>GLOSS-6</b>	152 mm Housing for GRAIH Models (select color)						
<b>GLOSS-15, -18</b>	381 mm and 457 mm Housings for GRAIH Dual Models (select color)						
<b>RRED</b>	Radiant Red	<b>GGRAY</b>	Glossy Gray	<b>BBLACK</b>	Bold Black		
<b>GGOLD</b>	Gleaming Gold	<b>BBLUE</b>	Brilliant Blue				

**TCBI** Thermostatic Control Box with Indicator Lights

**Remote Control Enclosure (available in Designer Colors and Gloss Finishes) – Non-standard colors are non-returnable –**  
**RMB** See page 11 for Models

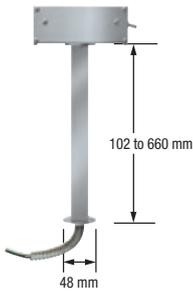
<b>AIH18WG -AIH72WG</b>	Element Wire Guard (Dual Models require two sets)
<b>AIH4NTL</b>	102 mm Non-Adjustable Tubular Stands
<b>AIH6NTL</b>	152 mm Non-Adjustable Tubular Stands
<b>AIH8NTL</b>	203 mm Non-Adjustable Tubular Stands (Dual Models require two pair)
<b>AIH10NTL</b>	254 mm Non-Adjustable Tubular Stands (Dual Models require two pair)
<b>AIH12NTL-D</b>	305 mm Non-Adjustable Tubular Stands
<b>AIH14NTL-D</b>	356 mm Non-Adjustable Tubular Stands
<b>NTL-PAINT</b>	Non-Adjustable Tubular Stands in <i>Designer Colors</i> or <i>Gloss Finishes</i> (specify color) – Non-standard colors are non-returnable
<b>NTL-PAINT-D</b>	Non-Adjustable Tubular Stands in <i>Designer Colors</i> or <i>Gloss Finishes</i> (specify color) – Non-standard colors are non-returnable

**ACCESSORIES**

<b>ADJ ANGLE</b>	Adjustable Angle Brackets (Dual Models require two pair, see page 11 for illustration)
<b>ADJ ANGLE-D</b>	Adjustable Angle Brackets (two pair included, see page 11 for illustration)
<b>CHAIN 1</b>	Chain Suspension

**COLORS AND FINISHES – PAGE 13**

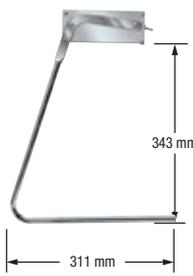
## Glo-Ray® Mounting Arrangements



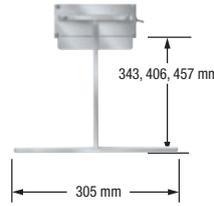
**Non-Adjustable Tubular Stands**  
Sturdy stands conceal all supply wiring. Available in *Designer colors*. Duals require two pair. Specify power location.



**Adjustable Tubular Stands**  
Sturdy tubular stands conceal all supply wiring. Duals require two pair. Specify power location. Not available on Ultra-Glo models.



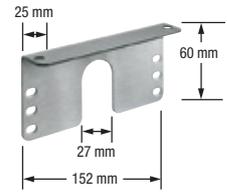
**C-Leg Stands**  
Attractive plated legs allow easy relocation of the warmer. For models 1829 mm or less in width. Not available on Ultra-Glo models.



**T-Leg Stands**  
Provide rigid stability and allow for more pass-through area below unit. For models 1829 mm or less in width. Not available on Ultra-Glo models.



**Chain Suspension**  
Chains attach to tabs provided with warmers and are available in various lengths to suit the location. Duals require two pair. Not available on Ultra-Glo models.



**Angle brackets**  
Special adjustable angle brackets fit 152 or 229 mm housings for mounting Glo-Ray under a shelf. Provides 25 - 51 mm space between Glo-Ray and overshef. Duals require two pair. Standard on Ultra-Glo models.

## Remote Control Enclosures

Hatco Remote Control Enclosures are built for toggle or infinite switches, indicator lights and wiring, ready for installation when purchased with Glo-Ray® Foodwarmers.

- Built for toggle or infinite switches, indicator lights and wiring
- Threaded rubber boot for toggle switch is standard
- One RMB per strip heater

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



**RMB-7DE-CE** with toggle switches and optional *Designer color*

### REMOTE CONTROL ENCLOSURES (RMB)

Model	Description	Voltage	
		Single Phase	Width
RMB-3CE-CE	1 Infinite Switch	220 or 240	140 mm
RMB-3DE-CE	1 Toggle Switch	220 or 240	140 mm
RMB-3EE-CE	2 Toggle Switches	220 or 240	140 mm
RMB-3HE-CE	1 Toggle Switch, 1 Indicator Light	220 or 240	140 mm
RMB-7CE-CE	2 Infinite Switches	220 or 240	229 mm
RMB-7DE-CE	3 Toggle Switches	220 or 240	229 mm
RMB-7HE-CE	1 Infinite Switch, 1 Indicator Light	220 or 240	229 mm
RMB-7KE-CE	2 Toggle Switches, 2 Indicator Lights	220 or 240	229 mm
RMB-7NE-CE	1 Toggle Switch, 1 Infinite Switch	220 or 240	229 mm
RMB-7QE-CE	1 Toggle Switch, 1 Infinite Switch, 1 Indicator Light	220 or 240	229 mm
RMB-14FE-CE	4 Infinite Switches	220 or 240	356 mm
RMB-14EE-CE	4 Toggle Switches	220 or 240	356 mm
RMB-14KE-CE	3 Toggle Switches, 3 Indicator Lights	220 or 240	356 mm
RMB-14NE-CE	2 Infinite Switches, 2 Indicator Lights	220 or 240	356 mm
RMB-14QE-CE	2 Toggle Switches, 2 Infinite Switches	220 or 240	356 mm
RMB-14YE-CE	1 Toggle Switch, 2 Infinite Switches	220 or 240	356 mm

**All Remote Control Enclosures Feature:**

Ship Weight: 1-3 kg depending on components.

Max. Allowable Amperage per Switch: **Toggle:** 15.0.

**Infinite:** 12.2.

Dimensions (not including Switches): 140, 229 or 356 W x 76 D x 64 H mm.



**RMB-14FE-CE** with infinite controls



**RMB-3HE-CE** with toggle switch and indicator light

### OPTIONS (available at time of purchase only)

**Designer Colors – Non-standard colors are non-returnable –**

RMB-COLOR	Remote Control Housing in <i>Designer Color</i> (select color)
RED	Warm Red
BLACK	Black
GRAY	Gray Granite
WHITE	White Granite
NAVY	Navy Blue
GREEN	Hunter Green
COPPER	Antique Copper

**Gloss Finishes – Non-standard colors are non-returnable –**

RMB-GLOSS	Remote Control Housing in Gloss Finish (select finish)
RRRED	Radiant Red
GGOLD	Gleaming Gold
GGRAY	Glossy Gray
BBLUE	Brilliant Blue
BBLACK	Bold Black

### COLORS AND FINISHES – PAGE 13

**Remote Control Enclosures:** When used, no more than one RMB per strip heater and no more than one strip heater per RMB.

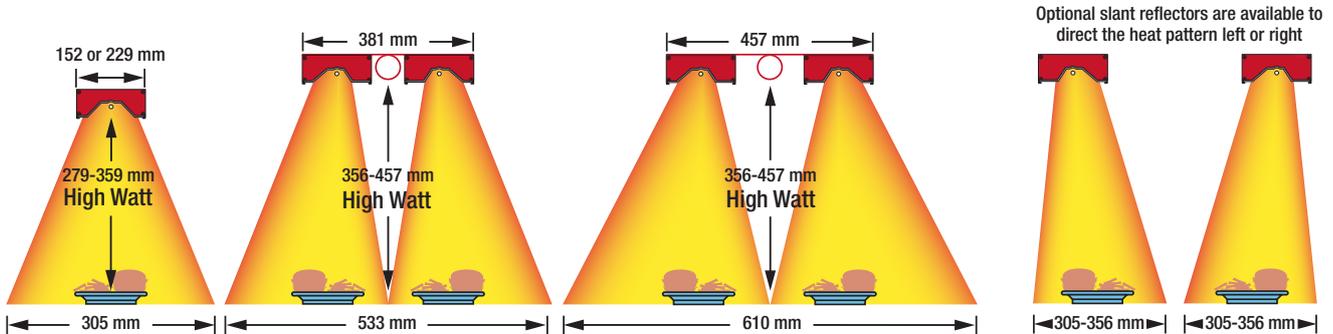


## Details Of Strip Heater Recommended Range Above Target\*

(Based on 610 mm Foodwarmer)

### Strip Heater Spacing Requirements

#### Glo-Ray® Infrared Heating Element (Recommended range above target)



#### GLO-RAY® INFRARED HEATING ELEMENT

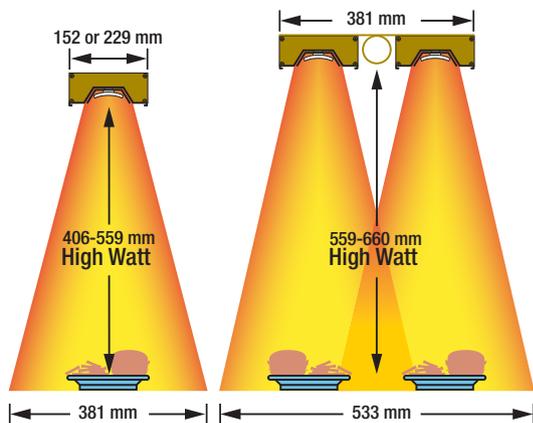
##### Singles (GRH, GRAH, GRAHL) –

Combustibles: 343 mm below, 25 mm above and 76 mm to back wall. Non-combustibles: 25 mm above, 254 mm below with infinite or indicator lamp and 203 mm below toggle. 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 203 mm to a surface below. Maximum 254 mm setback from the front of an overshelf. Models with cords must be installed 76 mm below an overshelf and 297 mm over a surface below.

##### Duals (GRAH-D, GRAHL-D) –

May not be installed in combustible surroundings. Non-combustibles: 25 mm above, 254 mm below. Must be installed in a pass-through area. Units with remote switches may be installed 76 mm from a non-combustible back wall, 203 mm to surface below and flush to an overshelf. Maximum 254 mm setback from the front of an overshelf.

#### Ultra-Glo® Heating Element (Recommended range above target)



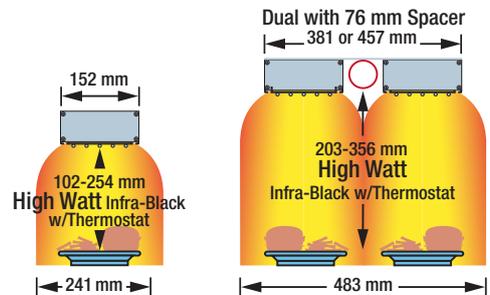
#### ULTRA-GLO®

**Singles and Duals:** (UGAH, UGAHL, UGAH-D, UGAHL-D) – May not be installed in combustible surroundings. Non-combustibles: 25 mm above, 432 mm from a surface below and 76 mm from a back wall.

**Dual Mounting:** Do not mount warmers side by side (dual mounting) with less than a 76 mm space between units.

**Remote Control Enclosures:** When used, no more than one RMB per strip heater and no more than one strip heater per RMB.

#### Infra-Black® Heating Element (Recommended range above target)



#### GLO-RAY® INFRA-BLACK®

##### (GRAIH, GRAIH-D) –

May not be installed in combustible surroundings. Non-combustibles: 25 mm above and 102 mm below. Must be installed in a pass-through area. Units with remote switches may be installed 76 mm from a non-combustible back wall and flush to an overshelf. Maximum 254 mm setback from the front of an overshelf.

#### DEPTH OF HEAT PATTERN AT RECOMMENDED ELEMENT HEIGHT

\* Recommended single unit application without base heat, based on ideal conditions. Individual applications may vary, consult factory.

A series of GRAH-60Ds



## Paint Chip Sample Colors

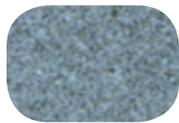
### DESIGNER COLORS



Warm Red



Black



Gray  
Granite



White  
Granite



Navy Blue



Hunter  
Green



Antique  
Copper

### GLOSS FINISHES



Gleaming  
Gold



Glossy  
Gray



Bold  
Black



Radiant  
Red



Brilliant  
Blue

*Colors are a representation and may not exactly match our colors.  
Consult factory for possible color matching options on these colors.  
Non-standard colors are non-returnable.*

To order a Hatco Paint Chip & Stone Sample Colors Sheet, visit [www.hatcocorp.com](http://www.hatcocorp.com) / Order Literature / Sales Literature / Sell Sheets.



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