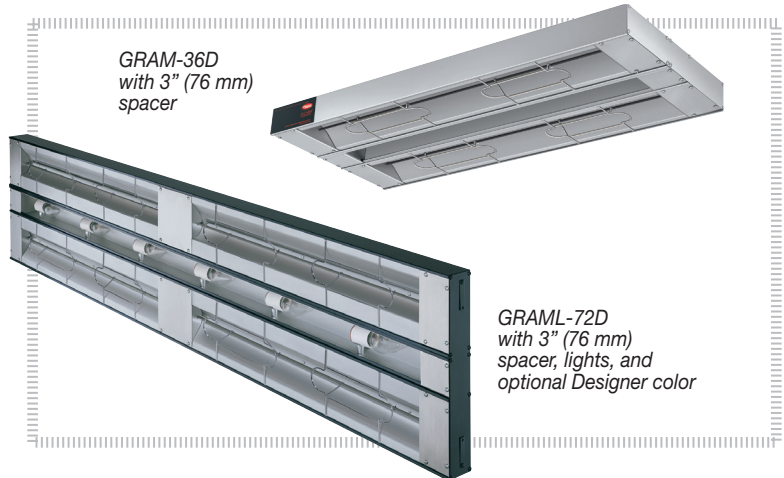# Glo-Ray® Aluminum Max Watt Dual Infrared Strip Heaters

Models: GRAM-18D, -24D, -30D, -36D, -42D, -48D, -54D, -60D, -66D, -72D, -84D, -96D, -108D, -120D, -132D, -144D

GRAML-18D, -24D, -30D, -36D, -42D, -48D, -54D, -60D, -66D, -72D, -84D, -96D, -108D, -120D, -132D, -144D

Create a deeper holding area with Glo-Ray® Aluminum Max Watt 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, bathing the entire holding surface. The continuous aluminum housing and heavy-duty mountings ensure the durability and quality of Hatco products.

GRAM-36D with 3" (76 mm) spacer

GRAML-72D with 3" (76 mm) spacer, lights, and optional Designer color

Standard features

- 25% greater wattage output than Glo-Ray high watt:
  – GRAM-xxD models vary from 900 to 8300 watts
  – GRAML-xxD models vary from 1020 to 9020 watts

- Available in widths from 18" to 72" (457-1829 mm) in 6" (152 mm) increments and 84" to 144" (2134-3658 mm) in 12" (305 mm) increments

- 3" (76 mm) or 6" (152 mm) spacer available

- Sturdy extruded aluminum housings eliminate sagging.

- Pre-focused heat maintains serving temperatures longer without continuing to cook the food

- Protective wire guard supports heating element without affecting heat distribution

- Available options include Toggle Control Remote Box, Electronic Infinite Control Remote Box or loose Remote Controls

- Heavy-duty insulation minimizes heat loss

- GRAML models offer shatter-resistant incandescent lights that enhance product display while safeguarding food products from bulb breakage (optional halogen bulb)

- Includes Angle Brackets and Attached or Remote Control Enclosure with toggles

- Additional reflector styles and lower wattage elements also available, please consult factory for more information

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

Options (available at time of purchase only)

Housing
- ☐ 15" (381 mm) ☐ 18" (457 mm)

Housing in *Designer* Color or Gloss Finish† – Clear anodized standard
- ☐ Warm Red ☐ Black ☐ Gray Granite ☐ White Granite ☐ Navy Blue
- ☐ Hunter Green ☐ Antique Copper ☐ Gleaming Gold ☐ Glossy Gray
- ☐ Bold Black ☐ Brilliant Blue ☐ Radiant Red

RMB in *Designer* Color or Gloss Finish† – Clear anodized standard
- ☐ Warm Red ☐ Black ☐ Gray Granite ☐ White Granite ☐ Navy Blue
- ☐ Hunter Green ☐ Antique Copper ☐ Gleaming Gold ☐ Glossy Gray
- ☐ Bold Black ☐ Brilliant Blue ☐ Radiant Red

Power Leads Extended Beyond Standard 3' (914 mm) Conduit (specify lead length)
- ☐ 1'-5' (305-1525 mm) ☐ 6'-10' (1829-3048 mm)
- ☐ 11'-15' (3352-4572 mm) ☐ 16'-20' (4877-6096 mm)

☐ Remote Control Enclosure with Toggle Control Switch, Electronic Infinite Control, Relay and Indicator Light (in lieu of standard remote control box)

Bright Annealed Reflector for lights with:
- ☐ 3' Spacer (76 mm) ☐ 6' (152 mm) Spacer

Non-Adjustable Tubular Stands (choose clearance and color below)
- ☐ 18" (457 mm) ☐ 20" (508 mm) ☐ 22" (559 mm) ☐ 24" (610 mm)

Designer Color or Gloss Finish† for Non-Adjustable Tubular Stands
- ☐ Warm Red ☐ Black ☐ Gray Granite ☐ White Granite
- ☐ Navy Blue ☐ Hunter Green ☐ Antique Copper ☐ Gleaming Gold
- ☐ Glossy Gray ☐ Bold Black ☐ Brilliant Blue ☐ Radiant Red

☐ Halogen Bulb in lieu of Incandescent Display Light (60 watt) – GRAML models only

☐ No Bulbs – GRAML models only

Accessories

Chef LED bulb 120V only (GRAML-xxD models only) GRAML-xxD must be 18" (457 mm) or higher from surface as pass through
- ☐ 2700K Warm incandescent ☐ 3000K Warm halogen
- ☐ 4000K Cool fluorescent

† Non-standard colors are non-returnable

For operation, location and safety information, please refer to the Installation & Operating Manual.
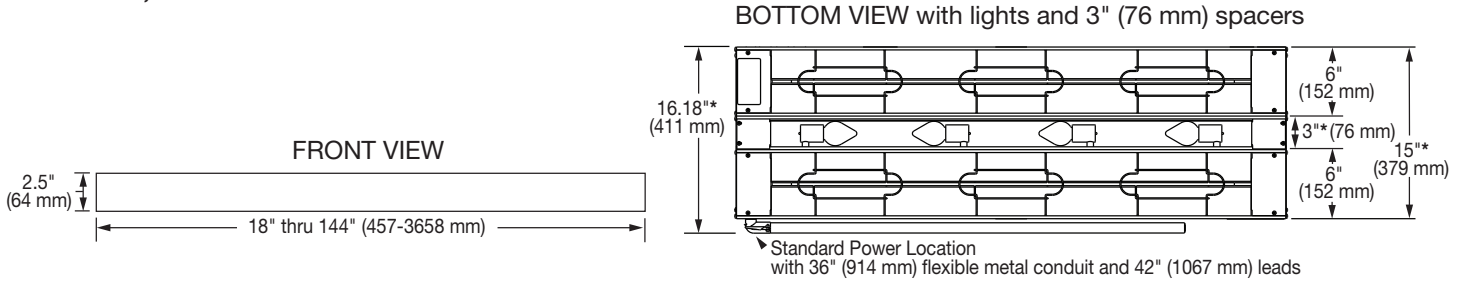
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MADE IN ★ THE USA

HATCO CORPORATION | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.
(800) 558-0607 | (414) 671-6350 | www.hatcocorp.com | support@hatcocorp.com

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GRAM-xxD, GRAML-xxD

BOTTOM VIEW with lights and 3" (76 mm) spacers

FRONT VIEW

2.5" (64 mm)

18" thru 144" (457-3658 mm)

16.18"* (411 mm)

6" (152 mm)

3"* (76 mm)

6" (152 mm)

15"* (379 mm)

▸ Standard Power Location
with 36" (914 mm) flexible metal conduit and 42" (1067 mm) leads

*Add 3" (76 mm) for 6" (152 mm) spacer

SPECIFICATIONS
Glo-Ray® Designer Dual Infrared Strip Heaters
Dimensions: Units with 3" (76 mm) Spacer (standard): 18" to 144"W x 15"D x 2.5"H (457-3658 x 381 x 64 mm)
Units with 6" (152 mm) Spacer: 18" to 144"W x 18"D x 2.5"H (457-3658 x 457 x 64 mm)
For special widths, consult factory

Phase: All Single Phase

The shaded areas contain electrical information for International models

GRAM-xxD Models					GRAML-xxD Models					Both Models
Model	Volts	Watts	Amps	Ship Weight.*	Model	Volts	Watts	Amps	Ship Weight.*	Width
GRAM-18D	120	900	7.5	13 lbs. (6 kg)	GRAML-18D §	120	1020	8.5	15 lbs. (7 kg)	18" (457 mm)
	208		4.3			120/208		5.3		
	240		3.8			120/240		4.8		
GRAM-24D	120	1300	10.8	18 lbs. (9 kg)	GRAML-24D §	120	1420	11.8	19 lbs. (9 kg)	24" (610 mm)
	208		6.3			120/208		7.3		
	240		5.4			120/240		6.4		
GRAM-30D	120	1650	13.8	20 lbs. (10 kg)	GRAML-30D §	120	1770	14.8	20 lbs. (10 kg)	30" (762 mm)
	208		7.9			120/208		8.9		
	240		6.9			120/240		7.9		
GRAM-36D	120	2000	16.7	23 lbs. (11 kg)	GRAML-36D §	120	2180	18.2	22 lbs. (10 kg)	36" (914 mm)
	208		9.6			120/208		11.1		
	240		8.3			120/240		9.8		
GRAM-42D	120	2350	19.6	27 lbs. (13 kg)	GRAML-42D §	120	2530	21.1	29 lbs. (14 kg)	42" (1067 mm)
	208		11.3			120/208		12.8		
	240		9.8			120/240		11.3		
GRAM-48D	120	2600	21.7	34 lbs. (16 kg)	GRAML-48D §	120	2840	23.7	33 lbs. (15 kg)	48" (1219 mm)
	208		12.5			120/208		14.5		
	240		10.8			120/240		12.8		
GRAM-54D	120	3000	25.0	32 lbs. (15 kg)	GRAML-54D §	120	3240	27.0	33 lbs. (15 kg)	54" (1372 mm)
	208		14.4			120/208		16.4		
	240		12.5			120/240		14.5		
GRAM-60D	120	3400	28.3	35 lbs. (16 kg)	GRAML-60D §	120	3700	30.8	38 lbs. (18 kg)	60" (1524 mm)
	208		16.3			120/208		18.8		
	240		14.2			120/240		16.7		
GRAM-66D ▲	120	3750	31.3	37 lbs. (17 kg)	GRAML-66D § ▲	120	3950	32.9	43 lbs. (20 kg)	66" (1676 mm)
	208		18.0			120/208	4050	20.5		
	240		15.6			120/240		18.1		

* Shipping weight includes packaging, does not include RMB. Add 2 – 8 lbs. (1 – 3 kg) to shipping weight depending on size of remote control enclosure.

§ GRAML-xxD models with multiple voltages (120/208 or 120/240) have multiple internal circuits. For example a 120/208 volt unit utilizes 120 volts for light circuit and 208 volts for the heat circuit(s).

▲ 120 volt models require additional switches and tandem (end-to-end) elements or the use of Electronic infinite control (RMB-GRAM-INF).

NOTE: Other control options available, consult factory.

CAUTION: Light-equipped strip heaters that require a circuit breaker 20 amps or larger must be installed with a remote control enclosure containing a fuse rated at 20 amps or less for the light circuit.

HATCO CORPORATION | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A.
(800) 558-0607 | (414) 671-6350 | www.hatcocorp.com | support@hatcocorp.com

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Glo-Ray® Aluminum Max Watt Dual Infrared Strip Heaters

Models: GRAM-18D, -24D, -30D, -36D, -42D, -48D, -54D, -60D, -66D, -72D, -84D, -96D, -108D, -120D, -132D, -144D
GRAML-18D, -24D, -30D, -36D, -42D, -48D, -54D, -60D, -66D, -72D, -84D, -96D, -108D, -120D, -132D, -144D

SPECIFICATIONS
Glo-Ray® Designer Dual Infrared Strip Heaters

Dimensions: Units with 3" (76 mm) Spacer (standard): 18" to 144"W x 15"D x 2.5"H (457-3658 x 381 x 64 mm)
Units with 6" (152 mm) Spacer: 18" to 144"W x 18"D x 2.5"H (457-3658 x 457 x 64 mm)
For special widths, consult factory

Phase: All Single Phase

The shaded areas contain electrical information for International models

GRAM-xxD Models					GRAML-xxD Models					Both Models
Model	Volts	Watts	Amps	Ship Weight.*	Model	Volts	Watts	Amps	Ship Weight.*	Width
GRAM-72D ▲	120	4150	34.6	43 lbs. (20 kg)	GRAML-72D § ▲	120	4510	37.6	45 lbs. (21 kg)	72" (1829 mm)
	208		20.0			120/208		23.0		
	240		17.3			120/240		20.3		
GRAM-84D ▲	120	4800	40.0	44 lbs. (20 kg)	GRAML-84D § ▲	120	5220	43.5	49 lbs. (23 kg)	84" (2134 mm)
	208		23.1			120/208		26.6		
	240		20.0			120/240		23.5		
GRAM-96D ➤	120	5200	43.3	54 lbs. (25 kg)	GRAML-96D § ➤	120	5830	48.6	60 lbs. (28 kg)	96" (2438 mm)
	208	5350	25.7			120/208		29.7		
	240		22.3			120/240		26.3		
GRAM-108D †	208	6000	28.8	59 lbs. (27 kg)	GRAML-108D † §	120/208	6540	33.3	64 lbs. (29 kg)	108" (2743 mm)
	240		25.0			120/240		29.5		
GRAM-120D †	208	6800	32.7	66 lbs. (30 kg)	GRAML-120D † §	120/208	7400	37.7	72 lbs. (33 kg)	120" (3048 mm)
	240		28.3			120/240		33.3		
GRAM-132D †	208	7500	36.1	73 lbs. (33 kg)	GRAML-132D † §	120/208	8160	41.6	79 lbs. (36 kg)	132" (3353 mm)
	240		31.3			120/240		36.8		
GRAM-144D †	208	8300	39.9	80 lbs. (36 kg)	GRAML-144D † §	120/208	9020	45.9	86 lbs. (39 kg)	144" (3658 mm)
	240		34.6			120/240		40.6		

* Shipping weight includes packaging, does not include RMB. Add 2 – 8 lbs. (1 – 3 kg) to shipping weight depending on size of remote control enclosure.

† Contain tandem (end-to-end) elements that may be individually controlled.

§ GRAML-xxD models with multiple voltages (120/208 or 120/240) have multiple internal circuits. For example a 120/208 volt unit utilizes 120 volts for light circuit and 208 volts for the heat circuit(s).

▲ 120 volt models require additional switches and tandem (end-to-end) elements or the use of Electronic Infinite Control (RMB-GRAM-INF).

➤ 120 volt models require additional switches and tandem (end-to-end) elements.

NOTE: Other control options available, consult factory.

CAUTION: Light-equipped strip heaters that require a circuit breaker 20 amps or larger must be installed with a remote control enclosure containing a fuse rated at 20 amps or less for the light circuit.

RECOMMENDED MOUNTING HEIGHTS
(Refer to the Installation section of the manual on the Hatco website)

3" (76 mm) Spacer: Height: 18"-24" (457-610 mm)
Target Width: 21" (533 mm)
6" (152 mm) Spacer: Height: 18"-24" (457-610 mm)
Target Width: 24" (610 mm)

Under shelf Mounting:
When mounting a unit under a shelf, use adjustable angle brackets to assure proper spacing. Remote control enclosures are required to keep switches out of the heat zone and prevent premature failure.

Pass-Through
If pass-through area is 12" to 16" (305 to 406 mm) deep, a single unit can be used. For a 20" to 24" (508 to 610 mm) deep pass-through area, a dual unit is recommended. Installation of multiple units must have a minimum spacing of 3" (76 mm) between heaters.

Dual Mounting
When mounting units side-by-side, a space not less than 3" (76 mm) must be maintained between units.

MINIMUM CLEARANCES
Combustibles - *Can not be installed in combustible surroundings*
Non-Combustibles
Remote Switches:
Below over shelf: 1" (25 mm)
Unit to surface below: 15" (381 mm)
Unit to back of wall: 3" (76 mm)

LEADS
3' (914 mm) conduit with leads – server's right.

PRODUCT SPECS
Glo-Ray® Aluminum Max Watt Dual Infrared Foodwarmers

The Aluminium Max Watt Dual Infrared Foodwarmer shall be a Glo-Ray®, manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The Foodwarmer shall be a Glo-Ray Model ..., rated at ... watts, ... volts, single phase and be ... millimeters in overall width.

The Glo-Ray shall consist of an aluminum housing and include as standard equipment adjustable angle brackets and a Remote Control Enclosure with toggle switch, Electronic Infinite Control, relay, and indicator light.

The infrared heating element shall be tubular metal sheathed. The foodwarmer shall be factory assembled ready for electrical installation.

Options shall include Housing and RMB in *Designer* Colors, Extended electrical leads, Remote Control Enclosure (RMB), Bright Anneal Reflector Lights, Non-Adjustable Tubular Stands (NTL) in various lengths, *Designer* Color or Gloss finish for NTL, and Halogen Bulb (GRAML models only) and No Bulbs (GRAML only). Accessories shall include Chef LED Bulb.

Warranty consists of 24/7 parts and service assistance (U.S. and Canada only).