**growlite**®
BY BARRON LIGHTING GROUP

Model: _____     Date: _____
Accessories: _____
Job Name: _____     Type: _____

# VARIUS® LED Series
## 90W Red Spectrum LED Linear Grow Light

### FEATURES

- Broad spectrum white LED with enhanced red spectral performance ideal for flowering and fruiting cycles
- Each VARIUS® LED bar is supplied with a pre-wired, on-board driver and quick-connect cable system
- Powerful magnets allow the VARIUS® LED to attach directly to pallet rack frames for easy adjustment of bar spacing to customize light intensity and uniformity
- Optional AC supply harness (AG-8-H) for simplified wiring of up to eight bars
- Optional mounting frame (AG-FRAME) offers customizable spacing and spectrum blending, allowing adjustability for any mounting application
- Listed to UL8800

### SPECIFICATIONS

| Number of Bars | Single Bar* | 8 Bars** |
|---|---|---|
| **PPF** (400-700nm) µmol/s | 178 | 1,424 |
| **PPF Efficacy** (400-700nm) µmol/J | 2.0 | |
| **Lumens** | 10,300 | 82,400 |
| **CRI** | ≥ 90 | |
| **Mounting Height** | 12" to 36" | |
| **Power Consumption** | 90W | 720W |
| **Input Voltage** | 120-277 VAC | |
| **Amps @ 120V** | 0.75A | 6.0A |
| **Amps @ 240V** | 0.38A | 3.0A |
| **Amps @ 277V** | 0.33A | 2.7A |
| **Operating Frequency** | 50/60Hz | |
| **Operating Temperature** | -20°C to 40°C  (-4°F to 104°F) | |
| **Dimming** | 1-10V | |
| **Environment** | Damp Location | |
| **Power Factor (PF)** | ≥ .98 | |
| **Certifications** | ETL / UL8800 | |

\* Single Bar mounted 18" above canopy.

\*\* Typical Veg Application with eight (8) AG90-R bars spaced 6" apart and mounted 24" above canopy.

### OTHER SPECTRUMS

- Full-Spectrum - AG90-W-001
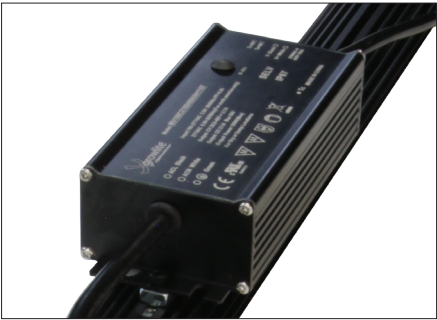- Blue Spectrum - AG90-B-001
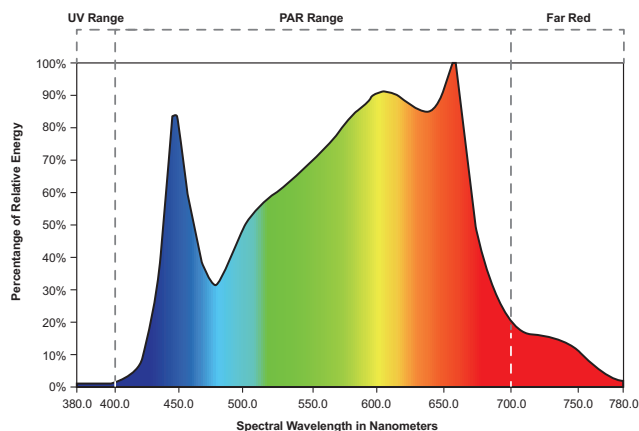
### ORDERING INFORMATION

**Example: AG90-R-001**

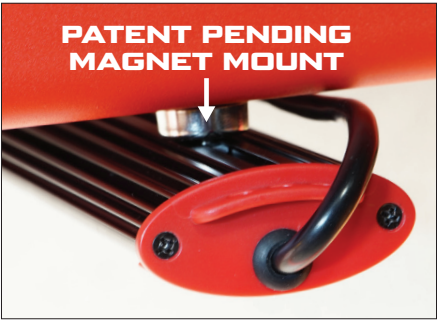| Series/Configuration | Description |
|---|---|
| AG90-R-001 | LED Light Bar, Red Flower Spectrum, 90W, 120-277VAC Input, 1-10V Dimming, Black Extrusion w/Red End Caps and Driver Connectors, 120VAC Straight Blade Line Cord |

**Accessories** *Order as separate line item for final installation in the field

| | |
|---|---|
| AG-240-LC | 240VAC Straight-blade (NEMA 6-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness |
| AG-277-L-LC | 277VAC Twist-lock (NEMA L7-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness |
| AG-8-H | Multi-port, 16AWG, AC Supply Harness for Linking up to Eight (8) Bars |
| AG-FRAME | 2'x4' Mounting Frame |

*Consult factory for additional accessories

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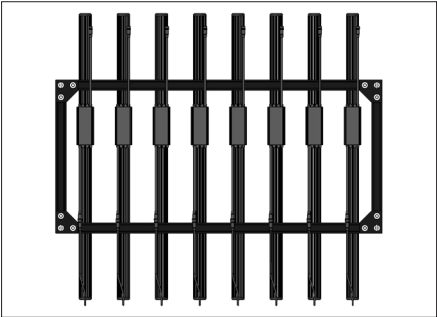7885 North Glen Harbor Blvd
Glendale, Arizona 85307
800.233.3948
growlite.com

**ON-BOARD DRIVER**

**STANDARD MAGNET MOUNT**

PATENT PENDING
MAGNET MOUNT

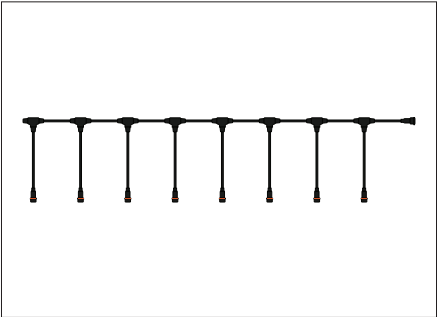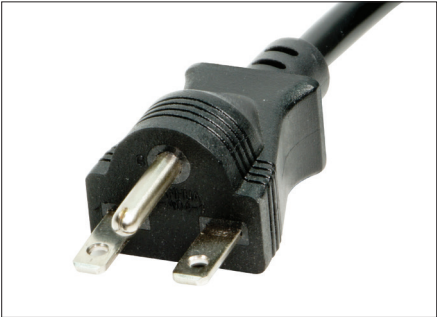**INCLUDED SAFETY CABLE**

# ACCESSORIES

**2'x4' AG-FRAME**

**AG-8-H-8 BAR CONNECTOR**
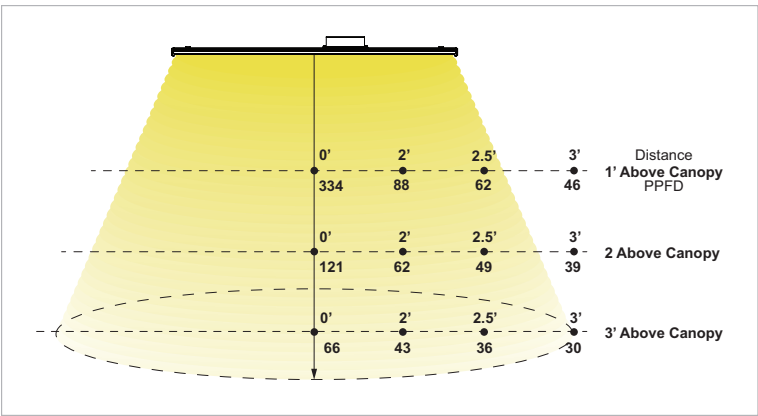
**AG-240-LC 240VAC CORD W/ PLUG**

**AG-277-L-LC-277VAC CORD W/ PLUG**
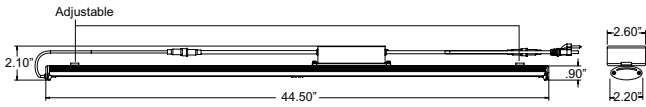
**RACK DETAIL ILLUSTRATING MAGNET MOUNTING**

## LIGHT DISTRIBUTION PERFORMANCE

| | 0' | 2' | 2.5' | 3' | Distance |
|---|---|---|---|---|---|
| | | | | | **1' Above Canopy** PPFD |
| | 334 | 88 | 62 | 46 | |
| | 0' | 2' | 2.5' | 3' | |
| | | | | | **2 Above Canopy** |
| | 121 | 62 | 49 | 39 | |
| | 0' | 2' | 2.5' | 3' | |
| | | | | | **3' Above Canopy** |
| | 66 | 43 | 36 | 30 | |

Mounting height varies depending on the application.

## DIMENSIONS

Adjustable

2.10"

44.50"

.90"

2.60"

2.20"

## WEIGHTS

| Model | Unit | Packaged Weight |
|---|---|---|
| AG90-R-001 | 4.8 lbs (2.2kgs) | 5.2 lbs (2.6kgs) |

# VARIUS® LED Series
## 90W Full-Spectrum LED Linear Grow Light

### FEATURES

- Broad spectrum white LED spectral performance is optimized for all growth cycles
- Each VARIUS® LED bar is supplied with a pre-wired, on-board driver and quick-connect cable system
- Powerful magnets allow the VARIUS® LED to attach directly to pallet rack frames for easy adjustment of bar spacing to customize light intensity and uniformity
- Optional AC supply harness (AG-8-H) for simplified wiring of up to eight bars
- Optional mounting frame (AG-FRAME) offers customizable spacing and spectrum blending, allowing adjustability for any mounting application
- Listed to UL8800

### SPECIFICATIONS

| Number of Bars | Single Bar* | 8 Bars** |
|---|---|---|
| PPF (400-700nm) µmol/s | 185 | 1,480 |
| PPF Efficacy (400-700nm) µmol/J | 2.1 | |
| Lumens | 11,280 | 90,240 |
| CRI | ≥ 92 | |
| Mounting Height | 12" to 36" | |
| Power Consumption | 90W | 720W |
| Input Voltage | 120-277 VAC | |
| Amps @ 120V | 0.75A | 6.0A |
| Amps @ 240V | 0.38A | 3.0A |
| Amps @ 277V | 0.33A | 2.7A |
| Operating Frequency | 50/60Hz | |
| Operating Temperature | -20°C to 40°C  (-4°F to 104°F) | |
| Dimming | 1-10V | |
| Environment | Damp Location | |
| Power Factor (PF) | ≥ .98 | |
| Certifications | ETL / UL8800 | |

\* Single Bar mounted 18" above canopy.

\*\* Typical Veg Application with eight (8) AG90-W bars spaced 6" apart and mounted 24" above canopy.

### OTHER SPECTRUMS

- Red Spectrum - AG90-R-001
- Blue Spectrum - AG90-B-001
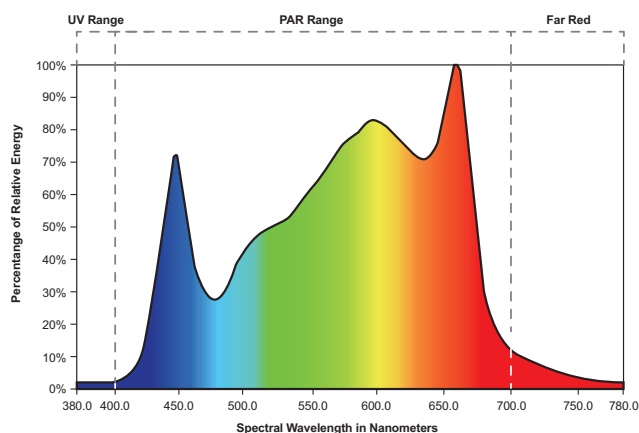




### ORDERING INFORMATION

**Example: AG90-W-001**

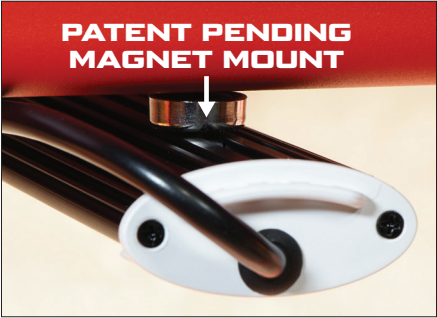| Series/Configuration | Description |
|---|---|
| AG90-W-001 | LED Light Bar, White Full Spectrum, 90W, 120-277VAC Input, 1-10V Dimming, Black Extrusion w/White End Caps and Driver Connectors, 120VAC Straight Blade Line Cord |

| Accessories *Order as separate line item for final installation in the field | |
|---|---|
| AG-240-LC | 240VAC Straight-blade (NEMA 6-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness |
| AG-277-L-LC | 277VAC Twist-lock (NEMA L7-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness |
| AG-8-H | Multi-port, 16AWG, AC Supply Harness for Linking up to Eight (8) Bars |
| AG-FRAME | 2'x4' Mounting Frame |

*Consult factory for additional accessories

Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.

10790056 Rev 15

**BARRON** lighting group

7885 North Glen Harbor Blvd
Glendale, Arizona 85307
800.233.3948
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## ON-BOARD DRIVER

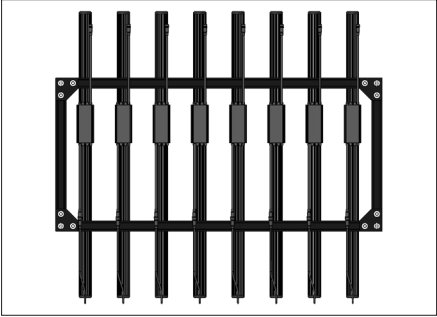## STANDARD MAGNET MOUNT

**PATENT PENDING MAGNET MOUNT**

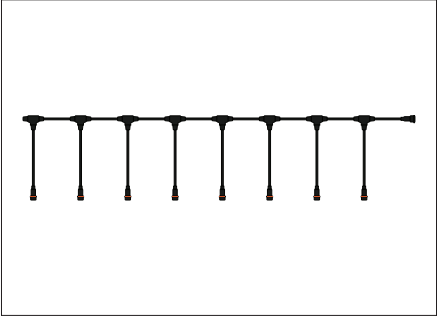## INCLUDED SAFETY CABLE

# ACCESSORIES

## 2'x4' AG-FRAME

## AG-8-H-8 BAR CONNECTOR

## AG-240-LC 240VAC CORD W/ PLUG

## AG-277-L-LC-277VAC CORD W/ PLUG
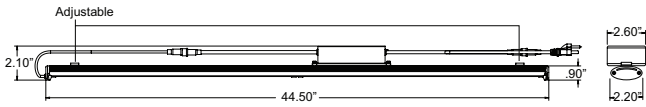
## RACK DETAIL ILLUSTRATING MAGNET MOUNTING

## LIGHT DISTRIBUTION PERFORMANCE

| Distance | | | | |
|---|---|---|---|---|
| 0' | 2' | 2.5' | 3' | **1' Above Canopy** PPFD |
| 323 | 95 | 67 | 50 | |
| 0' | 2' | 2.5' | 3' | **2' Above Canopy** |
| 130 | 66 | 52 | 42 | |
| 0' | 2' | 2.5' | 3' | **3' Above Canopy** |
| 70 | 46 | 39 | 33 | |

Mounting height varies depending on the application.

## DIMENSIONS

Adjustable

2.10"

44.50"

.90"

2.60"

2.20"

## WEIGHTS

| Model | Unit | Packaged Weight |
|---|---|---|
| AG90-W-001 | 4.8 lbs (2.2kgs) | 5.2 lbs (2.6kgs) |

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BY BARRON LIGHTING GROUP

Model: _____     Date: _____
Accessories: _____
Job Name: _____     Type: _____

# VARIUS® LED Series
## 90W Blue Spectrum LED Linear Grow Light

### FEATURES

- Broad spectrum white LED with enhanced blue spectral performance ideal for clone, mother and vegetative cycles
- Each VARIUS® LED bar is supplied with a pre-wired, on-board driver and quick-connect cable system
- Powerful magnets allow the VARIUS® LED to attach directly to pallet rack frames for easy adjustment of bar spacing to customize light intensity and uniformity
- Optional AC supply harness (AG-8-H) for simplified wiring of up to eight bars
- Optional mounting frame (AG-FRAME) offers customizable spacing and spectrum blending, allowing adjustability for any mounting application
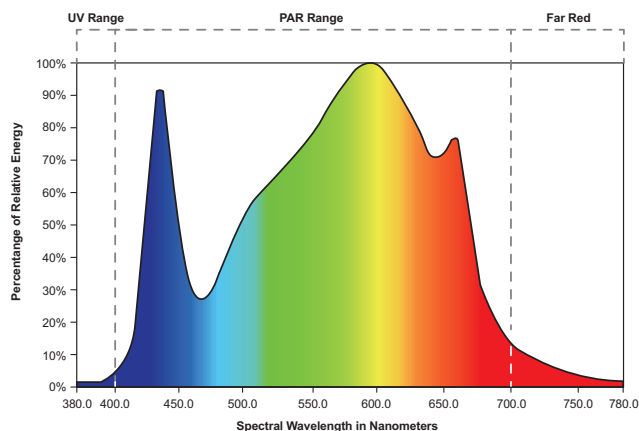- Listed to UL8800

### SPECIFICATIONS

| Number of Bars | Single Bar* | 8 Bars** |
|---|---|---|
| PPF (400-700nm) µmol/s | 181 | 1,480 |
| PPF Efficacy (400-700nm) µmol/J | 2.0 | |
| Lumens | 11,950 | 95,600 |
| CRI | ≥ 87 | |
| Mounting Height | 12" to 36" | |
| Power Consumption | 90W | 720W |
| Input Voltage | 120-277 VAC | |
| Amps @ 120V | 0.75A | 6.0A |
| Amps @ 240V | 0.38A | 3.0A |
| Amps @ 277V | 0.33A | 2.7A |
| Operating Frequency | 50/60Hz | |
| Operating Temperature | -20°C to 40°C  (-4°F to 104°F) | |
| Dimming | 1-10V | |
| Environment | Damp Location | |
| Power Factor (PF) | ≥ .98 | |
| Certifications | ETL / UL8800 | |

 * Single Bar mounted 18" above canopy.
** Typical Veg Application with eight (8) AG90-B bars spaced 6" apart and mounted 24" above canopy.

### OTHER SPECTRUMS

- Full-Spectrum - AG90-W-001
- Red Spectrum - AG90-R-001

ETL Intertek   DAMP   5 YEAR WARRANTY



UV Range        PAR Range        Far Red
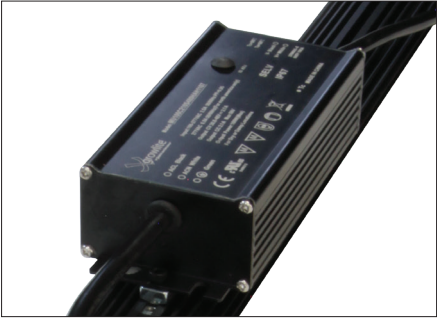


Spectral Wavelength in Nanometers

### ORDERING INFORMATION

**Example: AG90-B-001**

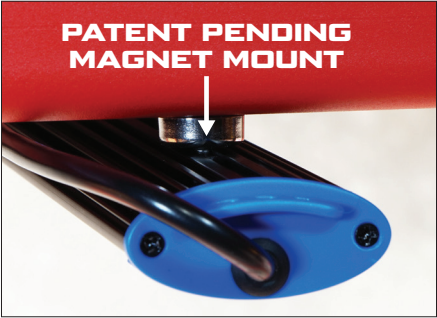| Series/Configuration | Description |
|---|---|
| AG90-B-001 | LED Light Bar, Blue Veg Spectrum, 90W, 120-277VAC Input, 1-10V Dimming, Black Extrusion w/Blue End Caps and Driver Connectors, 120VAC Straight Blade Line Cord |

| Accessories *Order as separate line item for final installation in the field | |
|---|---|
| AG-240-LC | 240VAC Straight-blade (NEMA 6-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness |
| AG-277-L-LC | 277VAC Twist-lock (NEMA L7-15P) Line Cord, 5' Length, for use with AG90 Bars or AC Supply Harness |
| AG-8-H | Multi-port, 16AWG, AC Supply Harness for Linking up to Eight (8) Bars |
| AG-FRAME | 2'x4' Mounting Frame |

*Consult factory for additional accessories

Specifications are subject to change without notice. Installation must be performed in accordance with Barron Lighting Group installation instructions.

10790055 Rev 15

BARRON® lighting group

7885 North Glen Harbor Blvd
Glendale, Arizona 85307
800.233.3948
growlite.com

## ON-BOARD DRIVER

## STANDARD MAGNET MOUNT

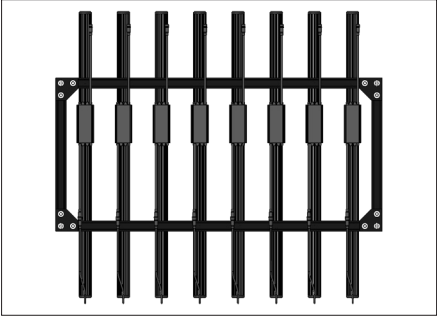**PATENT PENDING MAGNET MOUNT**

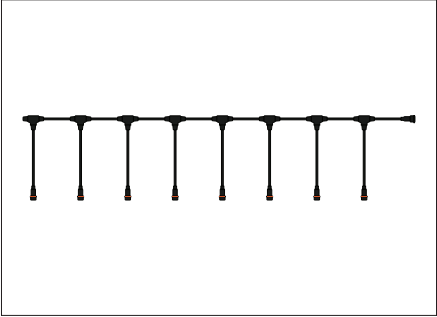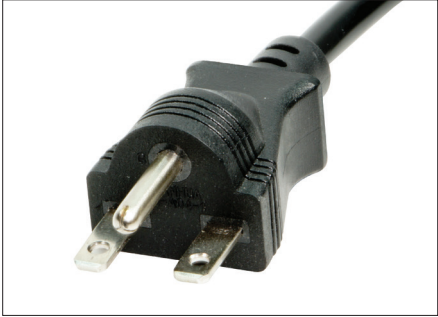## INCLUDED SAFETY CABLE

# ACCESSORIES

## 2'x4' AG-FRAME

## AG-8-H-8 BAR CONNECTOR
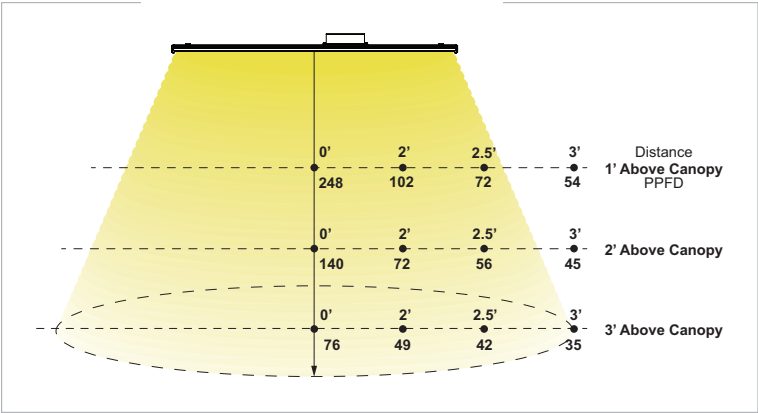
## AG-240-LC 240VAC CORD W/ PLUG

## AG-277-L-LC-277VAC CORD W/ PLUG
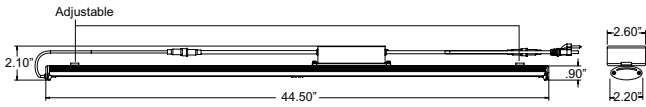
## RACK DETAIL ILLUSTRATING MAGNET MOUNTING

## LIGHT DISTRIBUTION PERFORMANCE

| | | | | | |
|---|---|---|---|---|---|
| 0' | 2' | 2.5' | 3' | Distance | |
| | | | | **1' Above Canopy** | PPFD |
| 248 | 102 | 72 | 54 | | |
| 0' | 2' | 2.5' | 3' | **2' Above Canopy** | |
| 140 | 72 | 56 | 45 | | |
| 0' | 2' | 2.5' | 3' | **3' Above Canopy** | |
| 76 | 49 | 42 | 35 | | |

Mounting height varies depending on the application.

## DIMENSIONS

Adjustable

2.10"

44.50"

.90"

2.60"

2.20"

## WEIGHTS

| Model | Unit | Packaged Weight |
|---|---|---|
| AG90-R-001 | 4.8 lbs (2.2kgs) | 5.2 lbs (2.6kgs) |