

### ELECTRONIC HID BALLASTS

Case Material: Metal

| Input                     |   |
|---------------------------|---|
| Nominal Voltage           | Universal 120V to 277V                      |
| Frequency                 | 50/60Hz                                     |
| Line Regulation           | ± 5% output variation over full input range |
| Power Factor              | > 0.95                                      |
| Total Harmonic Distortion | < 10%                                       |

| Output                   |                   |
|--------------------------|-------------------|
| Lamp Operating Frequency | 165Hz Square Wave |
| Lamp Current C.F.        | <1.3              |

| Ordering Information    |                 |
|-------------------------|-----------------|
| Standard Case Quantity  | 50 Units        |
| Unit Weight/Case Weight | 0.51 lbs/28 lbs |

### ELECTRICAL SPECIFICATIONS

| Watts | Hatch Part Number | Description                                | Lamp Types/ANSI Codes | Voltage Range                  | Nominal Input Power | Input Current/ Input Voltage   | Max. Remote Distance (ft) |
|-------|-------------------|--|-----------------------|--------------------------------|---------------------|--|---------------------------|
| 39    | MC39-1-F-UNNU     | 39 Watt Universal Mini w/Feet              | M130 Ceramic MH       | Wide Range Input<br>108-305VAC | 44 Watts            | .37 Amps @ 120V<br>.22 Amps @ 208V<br>.19 Amps @ 240V<br>.16 Amps @ 277V | 25                        |
|       | MC39-1-J-UNNU     | 39 Watt Universal Mini Bottom Feed w/Studs |                       |                                |                     |  |                           |

#### PRODUCT FEATURES :

- Thermal protection
- Approved for recessed use
- Micro Processor Controlled
  - Safety Shut Down Features
  - Superior Hot Lamp Restrike Characteristic
- Low Voltage Lamp Shutdown
- Sound Rated: A
- Minimum Starting Temperature: -30°C
- Maximum Case Temperature: 80°C
- Complies with FCC Part 18 (Class B) Consumer limits
- Up to 5 Year Warranty
- Lamp end-of-life protected

- Transient Protection Meets ANSI/IEEE C62.41 Cat A
- Short Circuit Protection
- Open Circuit/No Lamp/ Hot Lamp Shutdown, Retry and Ignition Failure Protection:  
Ignition failure shutdown in 5 seconds followed by multiple timed restrikes with lamp ignition or timed shutdown until power is reset (restrike timing is lamp wattage dependent)

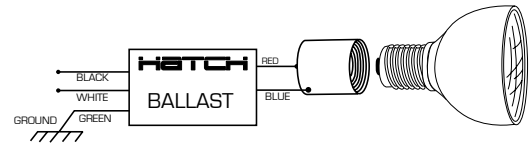
#### APPROVALS:



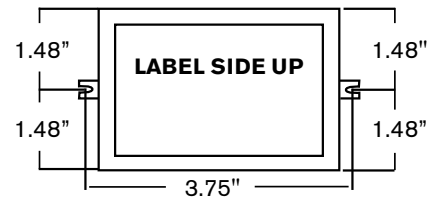
Type 1 Outdoor



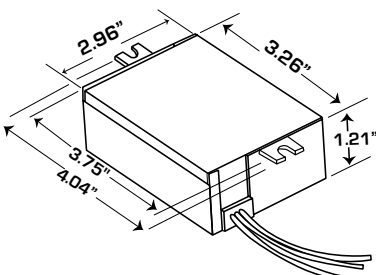
#### WIRING DIAGRAMS:



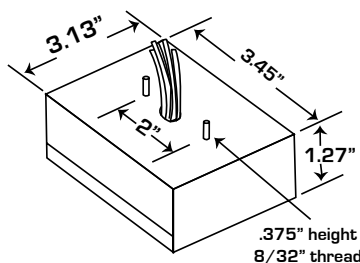
#### MOUNTING DIAGRAM:



#### CASE DIMENSIONS & MECHANICAL SPECIFICATIONS:



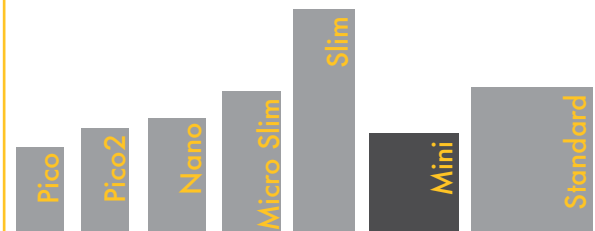
Center line to center line is .16" less than end to end on models with mounting feet.



| CASE STYLE                     | MOUNTING                  |
|--------------------------------|---------------------------|
| U - Mini                       | F - With feet             |
| <b>Wiring Information</b>      |                           |
| Lead Length :                  | Input/Output : 8"         |
| Wire Type :                    | Input: 18AWG, 105°C, 600V |
| <b>Operating Temperatures</b>  |                           |
| Minimum Starting Temperature : | -30°C                     |
| Maximum Case Temperature :     | 80°C                      |

| CASE STYLE                     | MOUNTING                   |
|--------------------------------|----------------------------|
| U - Mini                       | J - Bottom feed with studs |
| <b>Wiring Information</b>      |                            |
| Lead Length :                  | Input/Output : 10"         |
| Wire Type :                    | Input: 18AWG, 105°C, 600V  |
| <b>Operating Temperatures</b>  |                            |
| Minimum Starting Temperature : | -30°C                      |
| Maximum Case Temperature :     | 80°C                       |

#### CASE STYLE SIZE CHART:



Each case style listed in the Size Chart represents a side lead model with no mounting feet. All HATCH E-HID Ballasts are available in several mounting and wiring configurations, each with slightly different dimensions from those listed in the chart.

