

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	0.70 lbs/37.5 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)
20	MC20-1-F-UNNU	20 Watt Universal Mini w/Feet	M/C156 Ceramic MH	Wide Range Input 108-305VAC	24 Watts	.20 Amps @ 120V	25
	MC20-1-J-UNNU	20 Watt Universal Mini Bottom Feed w/Studs				.12 Amps @ 208V .10 Amps @ 240V .09 Amps @ 277V	

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)

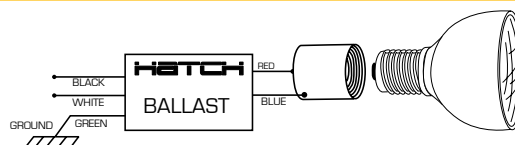
APPROVALS:



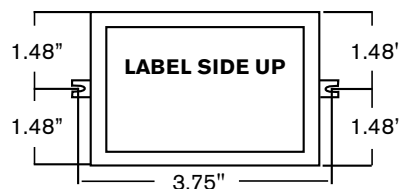
Type 1 Outdoor



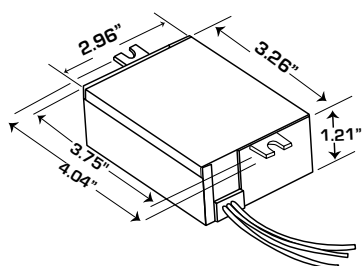
WIRING DIAGRAMS:



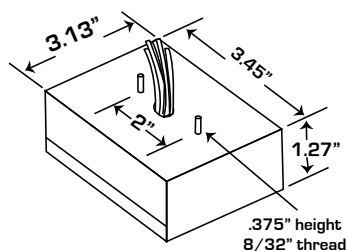
MOUNTING DIAGRAM:



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

Wiring Information

Lead Length : Input/Output : 8"

Wire Type : Input: 18AWG, 105°C, 600V

Operating Temperatures

Minimum Starting Temperature : -30°C

Maximum Case Temperature : 80°C

CASE STYLE

MOUNTING

U - Mini

J - Bottom feed with studs

Wiring Information

Lead Length : Input/Output : 10"

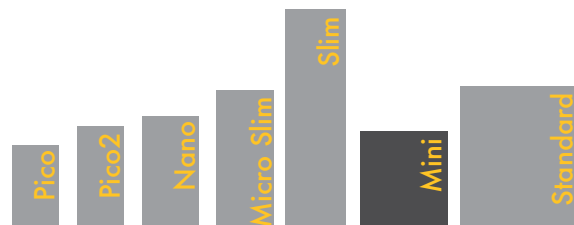
Wire Type : Input: 18AWG, 105°C, 600V

Operating Temperatures

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.



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