HATCH

ELECTRONIC HID BALLASTS

Case Material: Metal

Input

Nominal Voltage	Dedicated 120V or 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	0.88 lbs/46.5 lbs

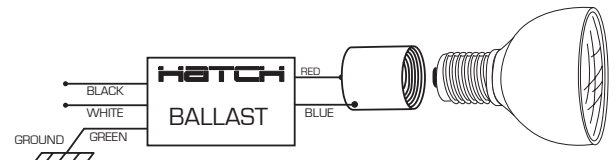## ELECTRICAL SPECIFICATIONS

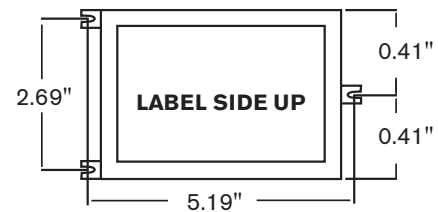| Watts	Hatch Part Number	Description	Lamp Types/ANSI Codes	Voltage Range	Nominal Input Power	Input Current/ Input Voltage	Max. Remote Distance (ft)
150	MC150-1-F-120U	150 Watt 120V Standard w/Feet	M102, M142 Ceramic MH	120V AC Nominal 108 - 132V 277V AC Nominal 220 - 277V	164 Watts	1.37 Amps @120V .79 Amps @ 208V .69 Amps @ 240V .60 Amps @ 277V	25
	MC150-1-J-120U	150 Watt 120V Standard Bottom Feed w/Studs					
	MC150-1-F-277U	150 Watt 277V Standard w/Feet					
	MC150-1-J-277U	150 Watt 277V Standard Bottom Feed w/Studs					

DO NOT USE Osram Powerball Lamps

PRODUCT FEATURES :

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

- Transient Protection
- Lamp end-of-life protected
- 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:

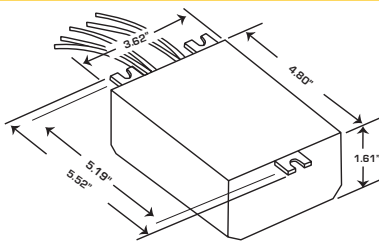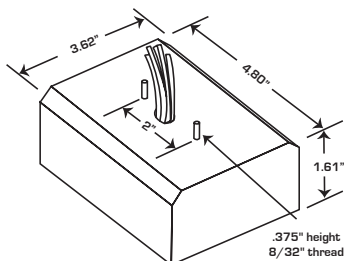c UL us LISTED   Type 1 Outdoor   E   RoHS COMPLIANT

CALIFORNIA TITLE 20

WIRING DIAGRAM:

BLACK — WHITE — GROUND — GREEN — HATCH BALLAST — RED — BLUE

MOUNTING DIAGRAM:

2.69"   LABEL SIDE UP   0.41"   0.41"   5.19"

CASE DIMENSIONS & MECHANICAL SPECIFICATIONS:

3.62" 4.80" 5.19" 5.52" 1.61"

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

3.62" 4.80" 2" 1.61" .375" height 8/32" thread

CASE STYLE	MOUNTING
U - Standard	**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 - Standard	**J - Bottom feed with studs**

Wiring Information

Lead Length :	Input/Output : 9"
Wire Type :	Input: 18AWG, 105°C, 600V

Operating Temperatures

Minimum Starting Temperature :	-30°C
Maximum Case Temperature :	80°C

CASE STYLE SIZE CHART:

Pico Pico2 Nano Micro Slim Slim Mini Standard
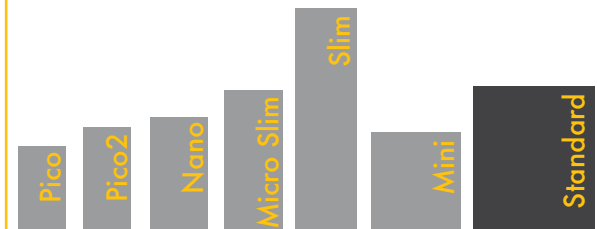
Each case style listed in the Size Chart represents a side lead model with no mounting feet. All HATCH E-HID Ballasts are available in several mounting and wiring configurations, each with slightly different dimensions from those listed in the chart.

Available for CMH or HPS Lamps