

Electronic H.I.D. Ballasts



NANO-SLIM CASE SIDE LEAD AND BOTTOM FEED MODELS



39 Watt Nano-Slim

Only Hatch Offers:

- Ultra low Spectral Power Density
- Patented Half Bridge Technology
- Patented Automatic Lamp Crest Factor Control "ALCFC"
- Industry Leading Remote Mount Capabilities

Features

- Superior color uniformity
- Low profile, lightweight
- Excellent Lumen Maintenance
- Constant lumen output over a wide input voltage range and lamp voltage variation
- Significant energy savings as compared to magnetic ballasts
- Thermal protection
- Approved for recessed use
- Micro Processor Controlled
 - Safety Shut Down Features
 - End of Lamp Life Protection
 - Superior Hot Lamp Restrike Characteristics
- Designed, tested & approved for most Lamp Brands.
(Contact factory for approved list)
- Low Voltage Lamp Shutdown

Environmental Specifications

Minimum Starting Temperature	-30°C
Maximum Case Temperature	80°C
Emi/RFI	Complies with FCC 18C
Sound Rating	A
Warranty	Up to 5 Years
Safety Listing	Type 1 Outdoor

Electrical/Mechanical Specifications

INPUT

Voltage	120V AC Nominal 108-132V
.....	Absolute operational limits 95-145V
.....	277V AC Nominal 185-305V
.....	Absolute operational limits. 200-305V
Frequency	50/60Hz
Line Regulation	+/-0.5 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
ALCFC	Yes

Weight9 oz
Case Material	Metal
Transient Protection	Yes
Short Circuit Protection	Yes
Thermal Protection	Yes
Open Circuit / No Lamp / Hot Lamp Shutdown, Retry and Ignition Failure Protection	Yes

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).

Lamp Distance from Ballast	Consult factory.
Lead Lengths	
Side Lead Models8"
Bottom Feed Models10"
Safety Standard	



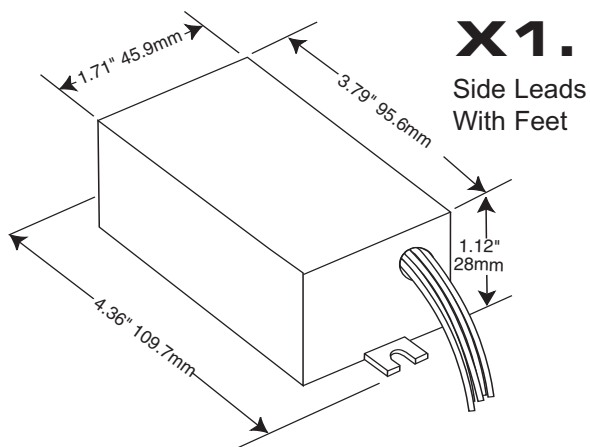
Hatch Transformers, Inc.

7821 Woodland Center Boulevard Tampa, FL 33614 • Ph: 813-288-8006 • Fax: 813-288-8105 • www.hatchlighting.com

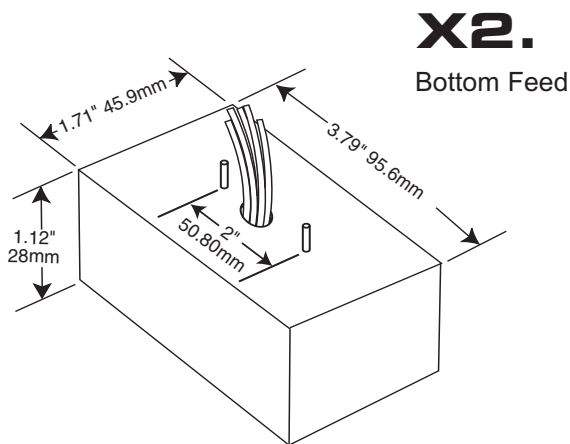
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DIMENSIONS

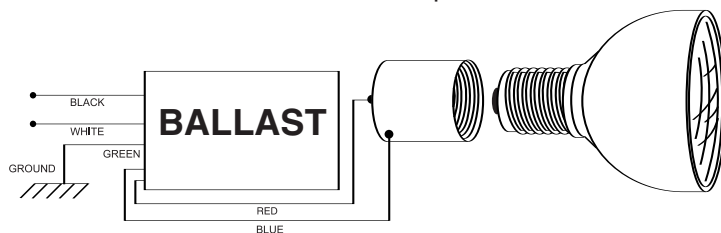


Center line to center line
is .16" less than end to
end on models with
mounting feet.

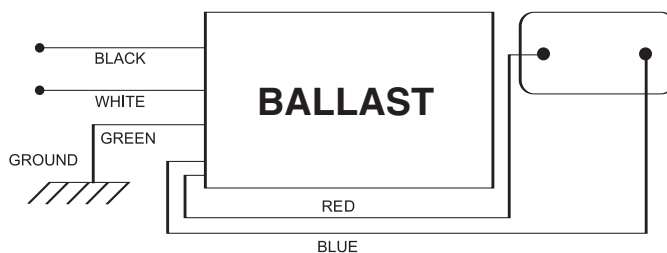


WIRING DIAGRAMS

For PAR Lamps



For Double Ended or Bi-Pin Lamps



Watts	LAMP TYPES / ANSI CODES	No. Lamps	Nominal Input Power	Input Current	Case Dim.	Hatch Item Number
39	M130 Ceramic SLi BriteSpot 39W	1	44 Watts	120V-.37 Amps	X1	MC39-1-F-120X MC39-1-F-277X
				208V-.22 Amps		
				240V-.19 Amps	X2	MC39-1-J-120X MC39-1-J-277X
				277V-.16 Amps		

Specifications subject to change without notice. 0909

**Please call your Hatch representative or refer to the latest
Hatch Electronic Ballast/Lamp Matrix for specifics.**

HATCH

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