PHILIPS
ADVANCE

eHID Ballasts

e-Vision for two 39W
Ceramic Metal Halide Lamps

Gain efficiency by driving two lamps at once

Philips Advance e-Vision eHID ballasts for two 39W ceramic metal halide lamps offer versatility and design freedom while featuring metallic enclosures (vs. plastic) and electronic circuitry. They are built for optimum performance and reliability.

Features

- Compact and lightweight housing (4.7" x 3.6" x 1.5")
- Supports sustainable solutions
- 85°C maximum case temperature rating
- Intellivolt multiple-voltage technology (operates 120 to 277V 50/60 Hz)

Benefits

- Ballast easily blends into modern fixture designs, supporting aesthetic objectives
- Each lamp operated independently; if one lamp reaches end of life, the other continues to operate
- eHID systems reduce material and labor costs by enabling the installation of up to 3½ times more fixtures per circuit versus incandescent alternatives
- Enables long life in high-temperature applications

Applications

- Retail, Commercial, Industrial, Hospitality

e-Vision 39W Electronic Ballasts

Ordering, Electrical and Technical Data (Subject to change without notice)

Lamp Data				Certifications								
Number	Watts	Input Volts	Catalog Number	UL	CSA	Line Current (Amps)	Input Power ANSI (Watts)	Max. Case Temp.	Wiring Diag.	Fig.	Weight (lb.)	Max. Distance to Lamp (ft.)
39 W Lamp, ANSI Code M130/C130, Minimum Starting Temp. -20˚C/-4˚F												
2	39	120	IMH-239-A-LF or IMH-239-A-BLS	✔	✔	0.74	89	85˚C	5	A	1.7	6
	39	277		✔	✔	0.31	86	85˚C	5	A	1.7	6

Installation Notes

1. Red and orange leads must be connected to center terminal of lamps (for Edison screw base lamps). Do not connect red, blue, orange, or brown leads to neutral or ground.
2. Use an appropriately rated lamp holder.
3. Maximum ballast-to-lamp distance is 6 ft (2 m) using typical wiring methods and materials.
4. Power mains must be cycled off and then on to reset ballast after failed lamps are replaced.

e-Vision 39W Electronic Ballasts

Ballast Thermal Measurement Location

Case temperature measurement locations differ with each ballast model and are designated on the individual ballast labels. Consult ballast labels and ballast specification sheets for measurement locations.

Wiring Diagram

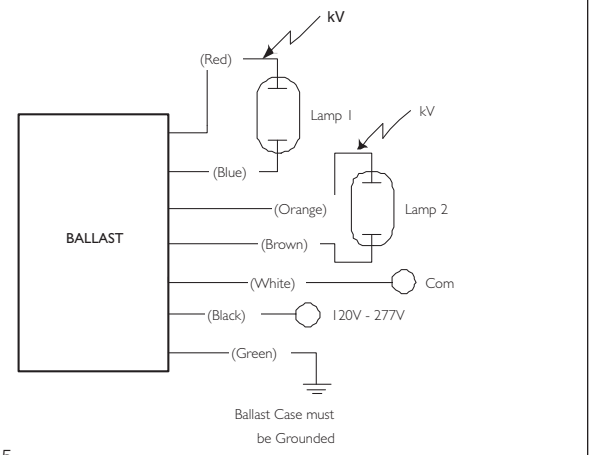

Diagram 5

Dimensions

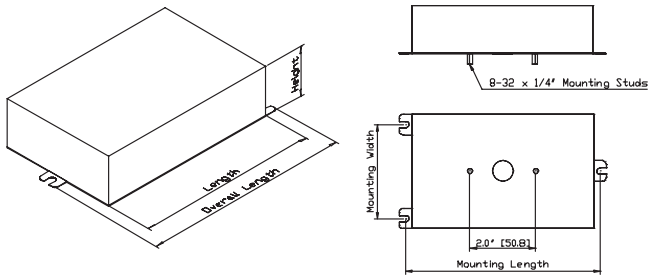

Figure A

Case Figure	Overall Length	Case Length	Case Width	Case Height	Mounting Length	Mounting Width
A	140mm [5.5"]	120mm [4.7"]	92mm [3.6"]	38mm [1.5"]	132mm [5.2"]	73mm [2.9"]

e-Vision 39W Electronic Ballasts

Philips Advance Ballast Specifications

Section I - Physical Characteristics

1.0 The electronic ballast shall be furnished with integral, color-coded leads.

Section II - Performance Requirements

2.0 The electronic ballast shall operate from a nominal line voltage range of 120-277V, +/-10%, 50/60 Hz.

2.1 The electronic ballast input current shall have Total Harmonic Distortion (THD) of less than 15%.

2.2 The electronic ballast shall have a Power Factor greater than 90%.

2.3 The electronic ballast shall have a lamp end-of-life detection and shutdown circuit.

2.4 The electronic ballast shall be Sound Rated A.

2.5 The electronic ballast output frequency to the lamps shall be less than 200 Hz to prevent acoustic resonance inside the lamp arc tube and to minimize visible flicker.

2.6 The electronic ballast shall provide a “Lamp Current Crest Factor” of less than 1.5.

2.7 The electronic ballast shall be thermally protected to shut off when operating temperatures reach unacceptable levels.

Section III - Regulatory Requirements

3.0 The electronic ballast shall meet the requirements of the Federal Communications Commission rules and regulations, Title 47 CFR part 18, for Non-Consumer equipment.

3.1 The electronic ballast shall be Underwriters Laboratories (UL) Listed and CSA Certified where applicable.

3.2 The ballast shall comply with RoHS.

Section IV - Other

4.0 The electronic ballast shall not contain Polychlorinated Biphenyl (PCB’s).

4.1 The electronic ballast shall carry a three-year warranty from the date of manufacture for operation at marked maximum case temperature or less. View limited warranty at http://www.usa.lighting. philips.com/connect/tools_literature/warranties.wpd for details and restrictions.

4.2 The manufacturer shall have a twenty-five year history of producing HID lamp ballasts for the North American market.

4.3 The electronic ballast shall be produced in a factory certified to ISO 9001 Quality System Standards.

† Restrictions on Hazardous Substances (RoHS) is a European directive (2002/95/EC) designed to limit the content of 6 substances [lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE)] in electrical and electrical products. For products used in North America, compliance with RoHS is voluntary and self-certified.

RoHS † COMPLIANT

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