



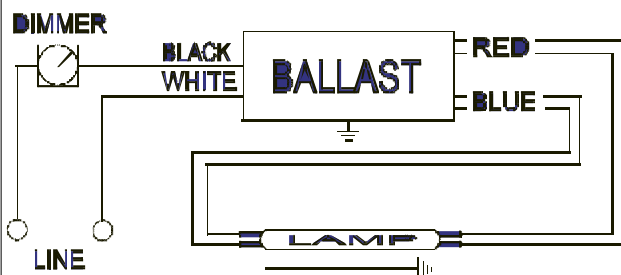
Electrical Specifications

VEZ-132-SC

Brand Name	MARK X Powerline
Ballast Type	Electronic Dimming
Starting Method	Programmed Start
Lamp Connection	Series
Input Voltage	277
Input Frequency	50/60 HZ
Status	Active

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (Watts) (min/max)	Ballast Factor (min/max)	MAX THD %	Power Factor	Lamp Current Crest Factor	B.E.F.
* F17T8	1	17	50/10	0.09	07/24	0.05/1.05	10	0.99	1.6	0.71
F25T8	1	25	50/10	0.11	07/30	0.05/1.05	10	0.99	1.6	0.71
F32T8	1	32	50/10	0.13	09/35	0.05/1.00	10	0.99	1.6	0.56

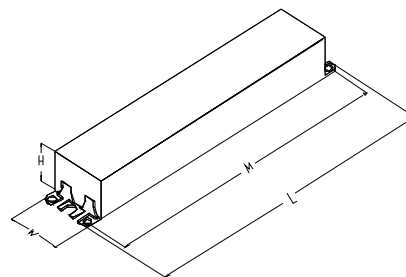
Wiring Diagram



The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

Enclos



Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
9.50 "	1.7 "	1.18 "	8.90 "
9 1/2	1 7/10	1 9/50	8 9/10
24.1 cm	4.3 cm	3 cm	22.6 cm

100-5% Architectural Dimming Ballast Phase-cut Dimmer

Revised 09/10/2002



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Notes:

Advance Mark Xr Powerline Ballast Specifications

Section I - Physical Characteristics

- 1.1 Ballast shall be physically interchangeable with standard electromagnetic or standard electronic ballast.
- 1.2 Ballast shall be provided with integral leads or color-coded connectors that comply with ANSI standard C82.11 (latest revision).

Section II - Performance Requirements

- 2.1 Ballast shall be Programmed-Start
- 2.2 Ballast shall operate from a nominal line voltage of 120 or 277 volts, 60Hz and maintain constant light output for line voltage variations of $\pm 10\%$.
- 2.3 For T8 and CFL, ballast shall control lamp light output from 100% - 5% relative light output. For T5/HO, ballast shall control lamp light output from 100% - 1% relative light output.
- 2.4 Ballast shall ignite the lamps at any light output setting selected without having first starting at maximum light output.
- 2.5 Ballast input current shall have a Total Harmonic Distortion (THD) of less than 10% at maximum light output for primary lamps. Total Harmonic Current (THC) at minimum light output shall not exceed THC at maximum light output.
- 2.6 Ballast shall have a Power Factor greater than 98% at full light output and greater than 90% throughout the dimming range when used with primary lamp.
- 2.7 Lamp Current Crest Factor shall be 1.6 or less throughout the dimming range in accordance with lamp manufacturer recommendation.
- 2.8 Ballast shall withstand a sustained short to ground or open circuit of any output leads.
- 2.9 Ballast shall be sound rated A.
- 2.10 Ballasts shall be a high frequency electronic type, and operate lamps above 40kHz to avoid interference with infrared control systems, and eliminate visible flicker.
- 2.11 Ballast for compact fluorescent and T5/HO lamps shall have lamp end-of-life detection and shut down circuitry that meets proposed ANSI/IEC standard.
- 2.12 Ballast shall comply with ANSI C82.11 standards.
- 2.13 Ballast shall provide transient immunity as specified in ANSI C62.41 for transient protection.

Section III - Regulatory Requirements

- 3.1 Ballast shall comply with the requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR Part 18 for Non-Consumer equipment, Class A for EMI (Conducted and Radiated).
- 3.2 Ballast shall comply with all applicable state and federal efficiency standards.
- 3.3 Ballast shall be Underwriters Laboratories (UL 935) listed, Class P, Type 1 Outdoor, and CSA Certified where applicable.

Section IV - Other

- 4.1 Ballast shall not contain Polychlorinated Biphenyl (PCBs).
- 4.2 Manufacturer shall provide written warranty against defects in material or workmanship including replacement, for five years from date of manufacture when ballast case temperature does not exceed 70°C.
- 4.3 Ballast manufacturer shall have a 10 year history of producing electronic ballasts for the North American market.
- 4.4 Ballast shall be produced in a factory certified to ISO 9002 Quality System Standards.
- 4.5 Ballast shall be controlled by a Mark X r Powerline compatible lighting control.

Revised 09/10/2002



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