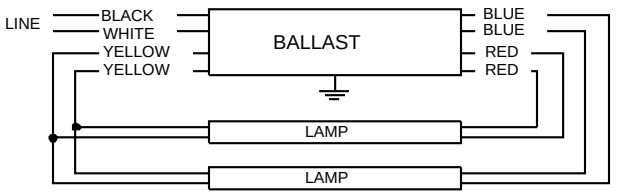
VIC-2S32

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

Electrical Specifications

Lamp Type	Num. of Lamps	Rated Lamp Watts	Min. Start Temp (°F/C)	Input Current (Amps)	Input Power (ANSI Watts)	Ballast Factor	MAX THD %	Power Factor	MAX Lamp Current Crest Factor	B.E.F.
* F17T8	2	17	0/-18	0.12	34	0.94	15	0.98	1.6	2.76
F25T8	2	25	0/-18	0.18	49	0.94	10	0.99	1.6	1.92
F32T8	2	32	0/-18	0.24	64	0.88	10	0.99	1.5	1.38
FB25T8/ 1 5/8	2	24	0/-18	0.18	49	0.94	10	0.99	1.6	1.92
FB31T8/1 5/8	2	31	0/-18	0.24	64	0.88	10	0.99	1.6	1.38
FB32T8/6	2	32	0/-18	0.24	64	0.88	10	0.99	1.5	1.38

Wiring Diagram



Diag. 21

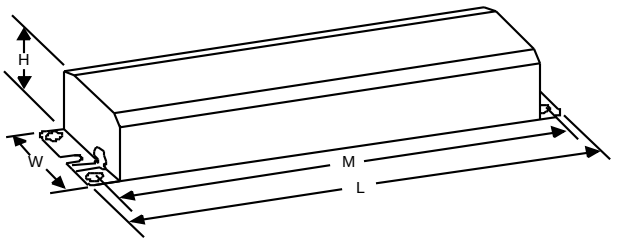
The wiring diagram that appears above is for the lamp type denoted by the asterisk (*)

Standard Lead Length (inches)

	in.	cm.
Black	22	
White	22	
Blue	26	
Red	26	
Yellow	36	
Gray		
Violet		

	in.	cm.
Yellow/Blue		
Blue/White		
Brown		
Orange		
Orange/Black		
Black/White		
Red/White		

Enclosure



CASE "T"

Enclosure Dimensions

OverAll (L)	Width (W)	Height (H)	Mounting (M)
9.50 "	2.375 "	1.5 "	8.90625 "
9 1/2	2 3/8	1 1/2	8 29/32
24.1 cm	6 cm	3.8 cm	22.6 cm

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Electrical Specifications

Notes:

1 Physical Requirements

1.1 Ballast must be physically interchangeable with a magnetic core & coil ballast.
1.2 Ballast must have permanently connected leads integral to the ballast, color coded to ANSI C82.11 (latest version).
1.3 Ballast must be formed from recyclable steel painted in accordance with UL 935 standards. Plastic products with gaseous discharges are not allowed.

2 Lighting Performance Requirements

2.1 Ballast must have a ballast factor of .85-.92 for a normal light output design.
2.2 Ballast must have a maximum input wattage (ANSI) as indicated on the datasheet.
2.3 Ballast must have a Ballast Efficacy Factor greater than or equal to as indicated on the datasheet.
2.4 Ballast must be able to start and operate the specified lamps at a minimum temperature of
(-20,0,32,50,60) degrees Fahrenheit as indicated on the datasheet and shall be in accordance with lamp manufacturers recommendations..
2.5 Ballast must be sound rated A. (T12/HO and T12/Slimline rated B).
2.6 Ballast must be designed and UL Listed to operate the number and type of lamps as indicated on the datasheet.

3 Electrical Performance Requirements

3.1 Ballast THD shall be less than 10% for the main lamp design (as indicated on the datasheet).
3.2 Lamp Current Crest Factor shall not exceed 1.5 for the main lamp design:
3.3 Ballast Power Factor must be greater than 99% for the main lamp design:
3.4 Ballast output frequency shall be greater than 20kHz and less than 30kHz or greater than 42kHz. Ballast output shall not be between 30 and 42kHz for any lamp combination.
3.5 Ballast must operate between 90-145V(120V) and 200-305V (277V), 50/60Hz.
3.6 Ballast must maintain light output at +/- 1% during a voltage fluctuation of +/- 10%.
3.7 Ballast shall be (Instant Start Parallel, Rapid Start Series, Programmed Rapid Start Series) as indicated on the datasheet.
3.8 All ballasts for Compact Fluorescent Lamps (CFL) and T5 diameter lamps must contain a lamp End-Of-Life (EOL) detection and shut down circuit in accordance with ANSI/IEC proposed standards and must be operated on a rapid start ballast. Compact Fluorescent and Long Twin Tube T5 lamps (BIAX, PL-L, DULUX-L) shall not be operated on an instant start circuit.

4 Regulatory Requirements

4.1 Ballast shall meet ANSI C82.11 limits for Total Harmonic Distortion (THD).
4.2 Ballast shall meet FCC Part 18 non-consumer standards for electrical equipment (Class A).
4.3 Ballast shall meet ANSI 62.41 Category A standards for Transient Voltage protection.
4.4 Ballast shall meet UL 935 standards and be UL Listed and CSA Approved.
4.5 Ballast shall be UL Class P, Type 1 Outdoor, and Type HL.
4.6 Ballast shall contain no Polychlorinated Byphenols (PCBs) in accordance with US law.
4.7 Ballast shall meet all US state and federal efficacy laws and all Canadian provincial and federal efficacy laws.

5 Other

5.1 Ballast shall carry a 5 year warranty (from date of manufacture) with PLUS 90 system protection warranty (must register). Warranty shall be valid at case temperatures of 70C or less.

5.2 Manufacturer must have a 15 year history of designing and manufacturing electronic ballasts for the North American market.

5.3 Ballast must be manufactured in a facility Certified to ISO 9002 Quality System Standards.

5.4 Ballast must be ordered and shipped from a distribution center Certified to ISO 9002 Quality System Standards.

5.5 Ballast must be Advance Transformer Co. _____brand, part #_____. All proposed substitutes must be submitted to the specifying authority two weeks prior to bid due date. Submittal does not guarantee acceptance.

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