

BALLAST SPECIFICATION

1000 M141

Pulse Start Metal Halide

V90D7810

60 Hz CWA

Input Volts	120	208	240	277
Line Current (Amps)				
Operating	9.00	5.20	4.50	3.90
Open Circuit	6.00	3.50	3.00	2.60
Starting	6.00	3.50	3.00	2.60
Recommended Fuse (Amps)	25	15	12	10
Regulation				
Line Volts	±10%	±10%	±10%	±10%
Lamp Watts	±10%	±10%	±10%	±10%
Temperature Ratings				
Insulation Class	180 (H)	180 (H)	180 (H)	180 (H)
Coil Temperature Code	D	A	B	B
Benchtop Coil Rise	88.2	73.5	78.4	78.2
Power Factor (Min)	90%	90%	90%	90%
Input Watts	1082 W	1082 W	1082 W	1082 W
Efficiency	92%	92%	92%	92%
NOM. Open Circuit Voltage	420	420	420	420
Input Voltage At Lamp Dropout	70	125	140	160
Min Ambient Starting Temp	-20°F/-30°C*	-20°F/-30°C*	-20°F/-30°C*	-20°F/-30°C*
60 HZ TEST PROCEDURES				
High Potential Test (Volts)				
1 Minute	1,850 V	1,850 V	1,850 V	1,850 V
1 Second	2,200 V	2,200 V	2,200 V	2,200 V
Open Circuit Voltage Test (V)	380 - 460	380 - 460	380 - 460	380 - 460
Short Circuit Current Test (A)				
Secondary Current Min	4.75	4.75	4.75	4.75
Max	5.85	5.85	5.85	5.85
Input Current Min	4.80	2.80	2.40	2.10
Max	7.20	4.20	3.60	3.15
CORE and COIL Specifications				
Dimension (A)	2.80 in	2.80 in	2.80 in	2.80 in
Dimension (B)	4.80 in	4.80 in	4.80 in	4.80 in
Weight	21.0 lb's	21.0 lb's	21.0 lb's	21.0 lb's
Lead Lengths	12 "	12 "	12 "	12 "
Capacitor Requirement				
Microfarads	24.0 uf	24.0 uf	24.0 uf	24.0 uf
Volts (Min)	480 V	480 V	480 V	480 V

Ordering Information Add Suffix for options

C - With Capacitor

K - Prewired, with Capacitor and Bracket Kit

B - With Welded Bracket, no cap

CB - With Capacitor and Welded Bracket

* -40°F/-40°C Min Ambient Starting Temp with Venture Lamp

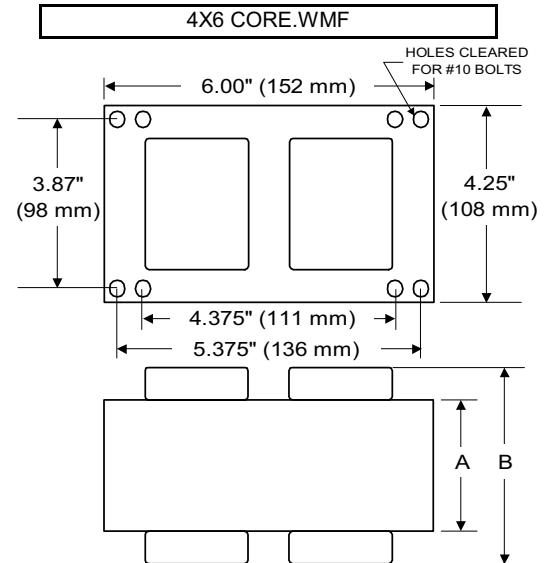
Coil material: primary Cu and secondary Cu

RoHS compliant on all manufactured products after August 1, 2007

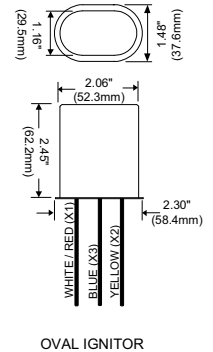
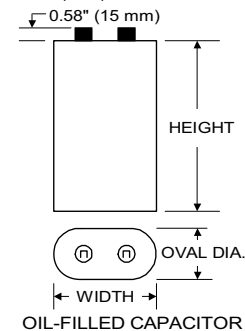
Data is based upon tests performed by Venture Lighting in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

4/6/2009

Production



Capacitor:	ACB220OV	Ignitor:	BVS-020
Microfarads:	24.0 uf	Case Temp (Max):	105 °C
Volts (Max):	480 V	BTL Distance (Max):	5 ft
Case Temp (Max):	100 °C		
Height (Max):	4.03 in		
Dia (Max):	1.97 in		
Oval Width (Max):	2.97 in		



CALUS

SP

RoHS

