

# PHILIPS ADVANCE

Metal  
Halide  
Lamp Ballast

Catalog Number 71A5752  
For 250W M138/M153 (P.S.)  
60 Hz SUPER-CWA  
Status: Active

## DIMENSIONS AND DATA

4 1/4 X 4 3/4 CORE - 2 COIL UNIT



	120	208	240	277	480
INPUT VOLTS					
CIRCUIT TYPE	SUPER-CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	±10%				
LINE CURRENT (Amps)					
Operating.....	2.37	1.39	1.18	1.03	0.60
Open Circuit.....	1.38	0.82	0.70	0.62	0.37
Starting.....	1.65	0.97	0.84	0.73	0.43
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-20°F or -30°C				
NOM. OPEN CIRCUIT VOLTAGE	280				
INPUT VOLTAGE AT LAMP DROPOUT.....	60	104	120	138	240
INPUT WATTS	284				
RECOMMENDED FUSE (Amps).....	8	5	5	3	2
CORE and COIL					
Dimension (A)	2.20				
Dimension (B)	4.00				
Weight (lbs.)	11.5				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	17.0				
Volts (min.)	330				
Fault Current Withstand (amps)					
60 Hz TEST PROCEDURES (Refer to Advance Test Procedure for HID Ballasts - Form 1270)					
High Potential Test (Volts)					
1 minute	2000				
2 seconds	2500				
Open Circuit Voltage Test (Volts)	254-308				
Short-Circuit Current Test (Amps)					
Secondary Current	2.35-2.88				
Input Current.....	1.28-1.92	0.75-1.12	0.64-0.97	0.56-0.84	0.32-0.49

Capacitor: 7C170P40



Capacitance: 17  
Dia/Oval Dim: 1.75  
Height: 3.75  
Temp Rating: 105°C

Wiring Diagram:

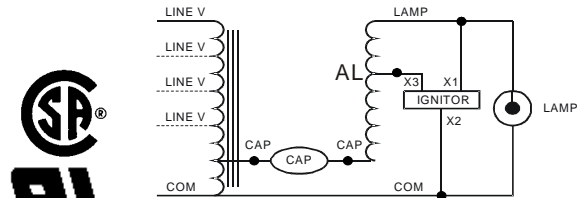


Fig. M7

Ordering Information

Order Suffix

Description

Ignitor: LI533-H4



Red (X1)  
White (X2)  
Blue (X3)

Ballast to Lamp Distance  
(BTL) = 2 feet  
Temp Rating: 105°C

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

Philips Lighting Electronic N.A.

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