

# PHILIPS ADVANCE

Metal  
Halide  
Lamp Ballast

Catalog Number 71A5742TEE  
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



INPUT VOLTS	480				
CIRCUIT TYPE	SUPER-CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	±10%				
LINE CURRENT (Amps)					
Operating.....	0.64				
Open Circuit.....	0.47				
Starting.....	0.41				
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029	A			
MIN. AMBIENT STARTING TEMP.	-20°F or -30°C				
NOM. OPEN CIRCUIT VOLTAGE	290				
INPUT VOLTAGE AT LAMP DROPOUT.....	225				
INPUT WATTS	283				
RECOMMENDED FUSE (Amps).....	2				
CORE and COIL					
Dimension (A)	2.15				
Dimension (B)	4.05				
Weight (lbs.)	11				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	17.0				
Volts (min.)	340				
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)	261-319				
Short-Circuit Current Test (Amps)					
Secondary Current	2.44-2.99				
Input Current.....	0.33-0.50	-	-	-	-

Capacitor: 7C170P40



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

Wiring Diagram:

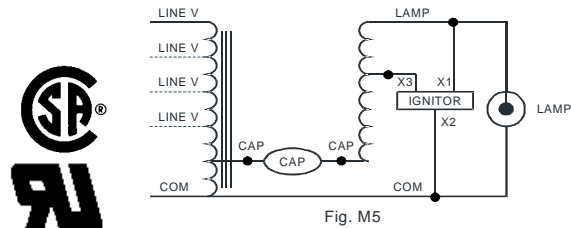


Fig. M5

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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