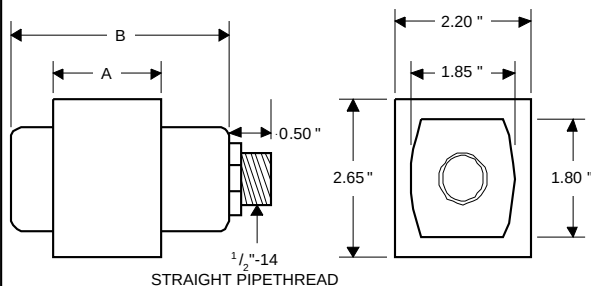


**PHILIPS
ADVANCE**

**Metal
Halide
Lamp Ballast**

Catalog Number 71A5337J
For 100W M90/M140
60 Hz R-HPF
Status: Active

DIMENSIONS AND DATA



**Fig. 11
J-Box Ballast**

Capacitor: 7C100M33-R



Capacitance: 10
Dia/Oval Dim: 1.5
Height: 2.9
Temp Rating: 105°C

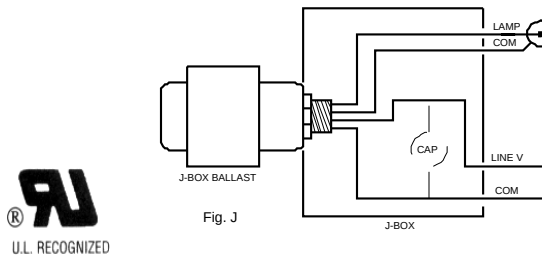
Ignitor: INTEGRAL

An ignitor integral to the core and coil assembly is used to start the lamp.

Ballast to Lamp Distance
(BTL) = 2 feet
Temp Rating: 125°C

INPUT VOLTS		277				
CIRCUIT TYPE		R-HPF				
POWER FACTOR (min)		90%				
REGULATION						
Line Volts		±5%				
Lamp Watts		±10%				
LINE CURRENT (Amps)						
Operating.....		0.45				
Open Circuit.....		1.05				
Starting.....		0.70				
UL TEMPERATURE RATINGS						
Insulation Class		H(180°C)				
Coil Temperature Code		1029	C			
MIN. AMBIENT STARTING TEMP.		-20°F or -30°C				
NOM. OPEN CIRCUIT VOLTAGE		277				
INPUT VOLTAGE AT LAMP DROPOUT.....		190				
INPUT WATTS		118				
RECOMMENDED FUSE (Amps).....		3				
CORE and COIL						
Dimension (A)		1.80				
Dimension (B)		3.90				
Weight (lbs.)		3.5				
Lead Lengths		12"				
CAPACITOR REQUIREMENT						
Microfarads		10.0				
Volts (min.)		280				
Fault Current Withstand (amps)						
60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form High Potential Test (Volts)						
1 minute		2000				
2 seconds		2500				
Open Circuit Voltage Test (Volts)		260-290				
Short-Circuit Current Test (Amps)						
Secondary Current		1.05-1.55				
Input Current.....		0.25	-	-	-	-
		0.35				

Wiring Diagram:



Typical Ordering Information

(please call Philips Lighting Electronics N.A. for suffix availability)

Order Suffix	Description
500DB	Ballast With Integral Igniter and Dry Film Capacitor
600B	Ballast and Integral Igniter, No Capacitor

Data is based upon tests performed by Philips Lighting Electronics N.A. 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.

PHILIPS LIGHTING ELECTRONICS N.A.

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