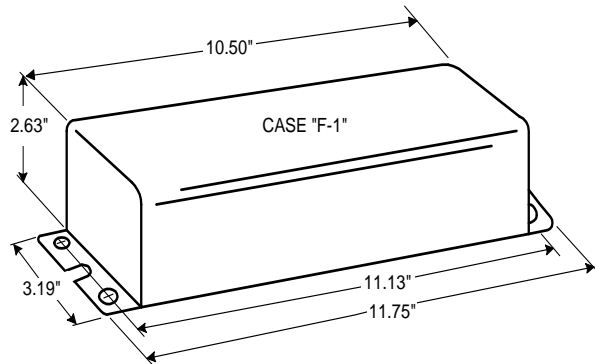


**PHILIPS  
ADVANCE**

**Metal  
Halide  
Lamp Ballast**

**Catalog Number 72C53C1  
For 100W M90/M140  
60 Hz HX-HPF  
Status: Active**

**DIMENSIONS AND DATA**



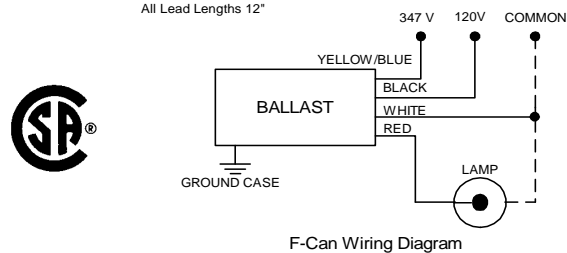
INPUT VOLTS	120	347			
CIRCUIT TYPE	HX-HPF				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±5%				
Lamp Watts	±12%				
LINE CURRENT (Amps)					
Operating.....	1.10	0.38			
Open Circuit.....	2.40	0.85			
Starting.....	2.20	0.75			
UL TEMPERATURE RATINGS					
Insulation Class	A (105°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-20°F or -30°C				
NOM. OPEN CIRCUIT VOLTAGE	277				
INPUT VOLTAGE AT LAMP DROPOUT.....	72	208			
INPUT WATTS	125				
RECOMMENDED FUSE (Amps).....	6	2			
CORE and COIL					
Dimension (A)					
Dimension (B)					
Weight (lbs.)	11				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads					
Volts (min.)					
Fault Current Withstand (amps)					
60 Hz TEST PROCEDURES (Refer to Advance Test Procedure for HID Ballasts - Form 1270)					
High Potential Test (Volts)					
1 minute	1700				
2 seconds	2100				
Open Circuit Voltage Test (Volts)	250-305				
Short-Circuit Current Test (Amps)					
Secondary Current	1.40-1.65				
Input Current.....	0.90-1.40	0.30-0.45	-	-	-

Capacitor:

The capacitor is included as part of the potted assembly.

**Wiring Diagram:**

All Lead Lengths 12"



**Ordering Information**

Order Suffix

Description

Ignitor:

IN CAN

The ignitor is included as part of the potted assembly.

Ballast to Lamp Distance  
(BTL) = 15 feet  
Temp Rating: 90°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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07/18/13