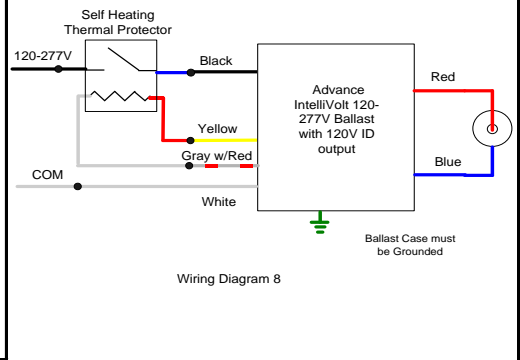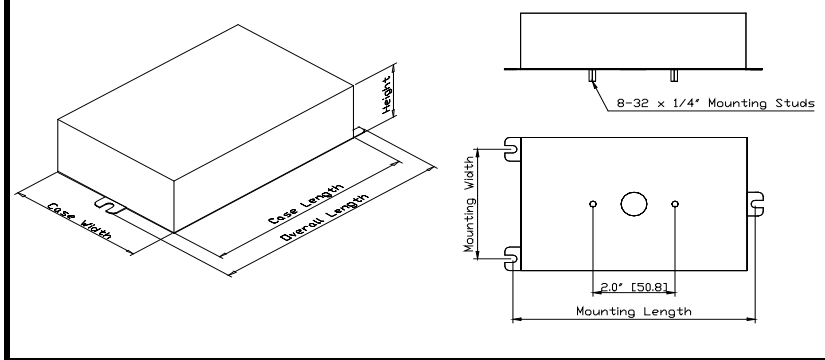# PHILIPS ADVANCE

e-Vision® Electronic Ballast for Metal Halide Lamps

Catalog Number: IMH-70-A-BLS-ID
For 70W Metal Halide Lamps
ANSI C98/M98, C139/M139 or M143
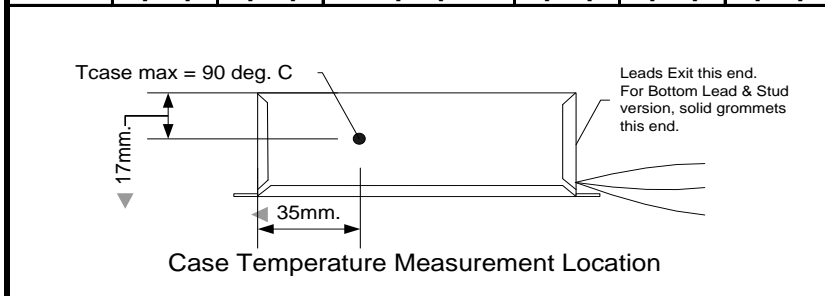120-277 50/60Hz Electronic
Status: RELEASED

DIMENSIONS AND DATA

Lamp Number	Watts	Input Volts	Catalong Number*	Line Current (Amps)	Input Power (Watts)	Min Power Factor	Wiring Diag	Fig.	Weight (lb)	Max. Distance to Lamp (ft)
70W Watt Lamp, ANSI Code C98/M98, C139/M139 or M143 Minimum Starting Temp -20°C/-4°F										
1	70	120	IMH-70-A-XXX-ID	0.72	86	0.9	8	A/B	1.6	6
		277		0.31	84					

8-32 x 1/4" Mounting Studs

2.0" [50.8]
Mounting Length

Self Heating Thermal Protector

120-277V — Black
Yellow
Gray w/Red
COM
White

Advance IntelliVolt 120-277V Ballast with 120V ID output

Red
Blue

Ballast Case must be Grounded

Wiring Diagram 8

Case Figure	Overall Length	Case Length	Case Width	Height	Mountin Length	Mounting Width
A/B	140mm [5.5"]	120mm [4.7"]	92mm [3.6"]	38mm [1.5"]	132mm [5.2"]	73mm [2.9"]

Ballast will not operate if Insulation Detector is Absent, Shorted or Failed Open

Tcase max = 90 deg. C

17mm.

35mm.

Leads Exit this end. For Bottom Lead & Stud version, solid grommets this end.

Case Temperature Measurement Location

UL   CSA

INSTALLATION & APPLICATION NOTES:

1. Maximum allowable case temperature is 90°C.
   See figure above for measurement location
2. Ignition pulse is 4 kV max
3. All leads are 12 inches long
4. Ballast output will shutdown after 20 minutes if lamp fails to ignite
5. Power must be cycled off – then on, after replacing lamp
6. Use with any Self Heating Thermal Protector (Insulation Detector) having equivalent resistive value 5k to 25k ohm (4 wire versions only)
7. Open Circuit voltage across ID output approx 270VDC

*Ordering Information

Order Suffix	Description
-BLS	Ballast with bottom exit leads and mounting studs

Data is based on tests performed by Philips Advance 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. All specifications are nominal unless otherwise noted.