F-can (72C)

F-CAN HID MH BAL 100W M90/140 120/277V FCAN

The Philips Advance line of F-can HID ballasts comes in two dual-voltage configurations for the US and Canadian market. Ballasts for these luminaires are most often encased and potted in fluorescent ballast type cans.

Product data

• General Characteristics

Lamp Type	100W MH
Number of Lamps	1 piece
Line Voltage	120/277 V
Input Current (Operating)	1.1/0.48 A
Line Frequency	60 Hz
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	72C5381
Housing	F-Can
Housing Dimensions	11.75 x 2.63 x 3.19
Housing Material	Metal
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	Inside Can
Capacitor Catalog Number	Inside Can
Family Name	F-Can

• Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	72/166 V
Nominal Open Circuit Voltage	277 V
Inp. Current (Open Circuit)	2.55/1.1 A
Input Current (Starting)	2.2/0.95 A
Input Current Short Circuit	0.7-1.1/0.3-0.5 A
Secondary ShortCircuit Current	1.3-1.6 A
Input Power Gear	125 W

Constant wattage deviation	12%
Ballast factor	1 -
Power Factor	0.90

• Wiring Characteristics

Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Allowed Wiring Config(Remote)	Yes
Max Dist. Ball to Lamp(Remote)	5'
Recommended Fuse	6/3 A

• System Chars on driver level

Rated Lamp Watts	100W

• Product Dimensions

Length A1	12 in
Length A2	11.13 in
Length A3	10.5 in
Width B1	3.9 in
Height C1	2.6 in
Fixing Hole Diameter D1	0.3 in
Width B2	2.0 in

• Approval & Application Chars

Approbation Marks	UL, CSA, RoHS
CE marking	No
VDE certificate	No

PHILIPS

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UL Listed	Yes		Open Circ Voltage Test (Volts)	250-305 V
CSA certificate	Yes		UL Insulation Class	A(105°C)
CCC certificate	No		UL Temperature Code	NA
Chia Quality Certificate	No			
Temperature marking	90°C max. case			

• Product Data

CEC Listing	No		Product number	72C5381NP
cUL certificate	No		Full product name	MH BAL 100W M90/140 120/277V FCAN
EISA	No		Short product name	MH BAL 100W M90/140 120/277V FCAN
ETL Certificate	No			
FIDE Certificate	No		Pieces per Sku	1
NOM certificate	No		Skus/Case	4
RoHS Compliant	Yes		Bar code on pack	781087253816
SASO Certificate	No		Bar code on case	50781087253811
UL Recognized	No		Logistics code(s)	913700541809
ANSI Code	M90/M140 (Pulse Start)		eop_net_weight_pp	4.405 kg
HiPot Test (1 minute)	1600 V			
HiPot Test (2 seconds)	2000 V			

Dimensional drawing
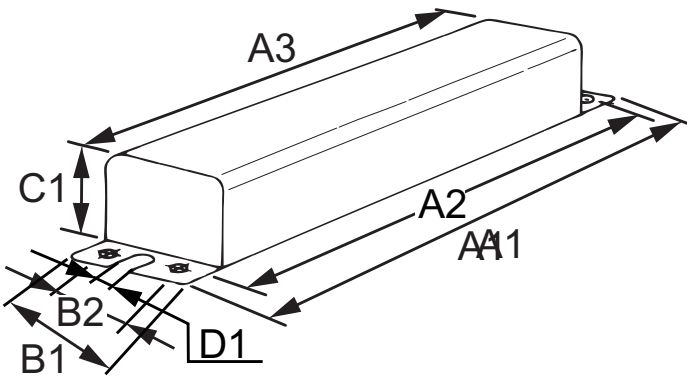
F-CAN HID MH BAL 100W M90/140 120/277V FCAN

Product	A1 (Norm)	A2 (Norm)	A3 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	D1 (Norm)
MH BAL 100W M90/140 120/277V FCAN	12	11.13	10.5	3.9	2.0	2.6	0.3
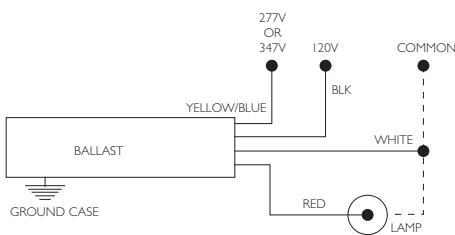
www.philips.com/lighting

2015, August 29
data subject to change