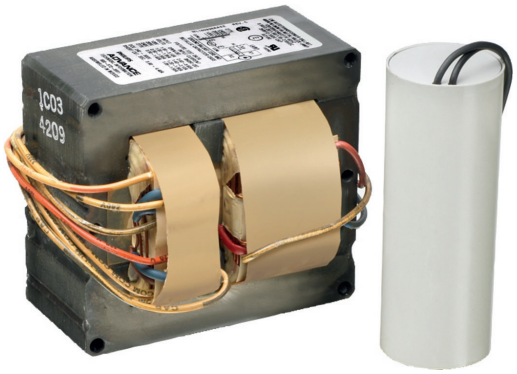
PHILIPS

Lighting



Core & Coil (71A) MH ~LT~ 175W

CORE & COIL HID MH BAL 100W M90/140 QUAD KIT

The basic ballast is the open core and coil which is most often used as a component within a lighting luminaire. The core and coil also forms the nucleus of Philips Advance's five other ballast configurations.

Product data

General Information	
ANSI Code	M90-M140
Lamp Type	100 MH
Number of Lamps	1 piece/unit
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A5390
Core Size	3 X 4 (2 LW)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI533-H4
Ignitor Temperature Rating	105°C
Capacitor Value	12 MFD
Capacitor Catalog Number	7C120M30RA
Capacitor Requirements	280V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval	1.65 in
Dimensions	
Capacitor Height	2.75 in
Automatic Restart	No

Operating and Electrical	
Input Voltage	120/208/240/277 V
Input Frequency	60 Hz
Input Current (Open Circuit)	2.5/1.5/1.3/1.12 A
Input Current (Starting)	1.24/0.54/0.45/0.4 A
Input Current (Short Circuit)	0.63-0.95/0.43-0.65/0.37-0.55/0.29-0.44 A
Secondary Short Circuit Current	1.35-1.7 A
Constant Wattage Deviation	12%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	260 V
Input Current (Nom)	1.15/0.66/0.58/0.5 A A
Input Power (Nom)	129 W
Rated Lamp Power	100 W

Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded

Core & Coil (71A) MH ~LT~ 175W

Remote Wiring Configuration Allowed	Yes
Max Ballast-Lamp Distance Remote Wiring	20'
Recommended Fuse Value	10/5/5/4 A

Approval and Application

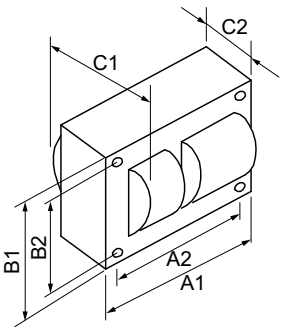
Open Circuit Voltage Test (Volts)	240-300 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	B/B/A/A
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)

UL Temperature Code	1029B

Product Data

Order product name	CORE & COIL HID MH BAL 100W M90/140 QUAD KIT
EAN/UPC - Product	781087017838
Order code	192922
Local order code	192922
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913700533009
Net Weight (Piece)	2.541 kg

Dimensional drawing



MH BAL 100W 90/140 QUAD KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID MH BAL 100W M90/140 QUAD KIT	3.07 in	1.5 in	3.9 in	3.5 in	2.8 in	2.4 in

© 2019 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.