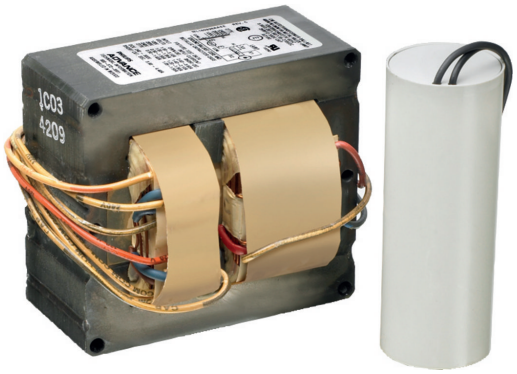
PHILIPS

Lighting



Core & Coil (71A) MH 175W - 450W

CORE & COIL HID MH BAL 175W M57 120/277/347V C&C

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	M57-M107
Lamp Type	175/150W MH
Number of Lamps	1 piece/unit
Circuit Type	CWA
Ballast Type	Magnetic HID
Base Model	71A55A0
Core Size	3 X 4 (2 LW)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	NA
Ignitor Temperature Rating	NA
Capacitor Value	10 MFD
Capacitor Catalog Number	7C100M40R
Capacitor Requirements	400V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.45 in
Capacitor Height	3.75 in
Automatic Restart	No

Operating and Electrical	
Input Voltage	120/277/347 V
Input Frequency	60 Hz
Input Current (Open Circuit)	1.91/0.79/0.63 A
Input Current (Starting)	0.94/0.41/0.33 A
Input Current (Short Circuit)	0.78-1.17/0.35-0.52/0.25-0.32 A
Secondary Short Circuit Current	1.51-1.85 A
Constant Wattage Deviation	10%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	305 V
Input Current (Nom)	1.8/0.8/0.62 A A
Input Power (Nom)	213 W
Rated Lamp Power	175/150 W

Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

Core & Coil (71A) MH 175W - 450W

Max Ballast-Lamp Distance Remote Wiring	Determined by AWG used
Recommended Fuse Value	5/3/2 A

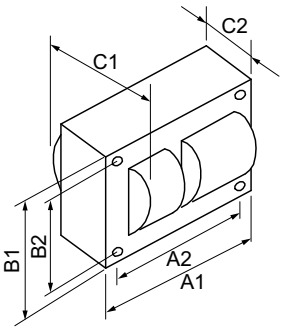
Approval and Application

Open Circuit Voltage Test (Volts)	275-337 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	C/C/D
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029D

Product Data

Order product name	CORE & COIL HID MH BAL 175W M57 120/277/347V C&C
EAN/UPC - Product	781087099568
Order code	177955
Local order code	177955
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913700503071
Net Weight (Piece)	3.207 kg

Dimensional drawing



MH BAL 175W M57 120/277/347V KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID MH BAL 175W M57 120/277/347V C&C	4.02 in	2.41 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.