

# PHILIPS

## Lighting



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

## CORE & COIL HID 71A5750001D

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		Input Frequency	
ANSI Code	M58	Input Frequency	60 Hz
Lamp Type	250W MH	Input Current (Open Circuit)	2/1.2/1/0.9/0.5 A
Number of Lamps	1 piece/unit	Input Current (Starting)	2.4/1.4/1.2/1.05/0.6 A
Circuit Type	CWA	Input Current (Short Circuit)	1.9-2.9/1.1-1.7/0.9-1.4/0.8-1.25/0.45-0.75 A
Ballast Type	Magnetic HID	Secondary Short Circuit Current	2.25-2.8 A
Base Model	71A5750	Constant Wattage Deviation	10%
Core Size	4 1/4 x 4 3/4 (2 coil)	Ballast Factor (Nom)	1
Suitable For Outdoor Use	Yes	Power Factor (Nom)	0.90
Ignitor Catalog Number	NA	Open Circuit Voltage	315 V
Ignitor Temperature Rating	NA	Input Current (Nom)	2.6/1.5/1.4/1.1/0.65 A A
Capacitor Value	15 MFD	Input Power (Nom)	290 W
Capacitor Catalog Number	7C150P40R	Rated Lamp Power	250 W
Capacitor Requirements	400V	<b>Wiring</b>	
Capacitor Temperature Rating	105°C	Wire Striplength	0.5 mm
Capacitor Diameter/Oval Dimensions	1.75 in	Wire Length by Color	12"
Capacitor Height	3.75 in	Wire Type	Stranded
Automatic Restart	No	Remote Wiring Configuration Allowed	Yes
<b>Operating and Electrical</b>		Max Ballast-Lamp Distance Remote Wiring	Determined by AWG used
Input Voltage	120/208/240/277/480 V	Recommended Fuse Value	8/5/5/3/2 A

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### Approval and Application

Open Circuit Voltage Test (Volts)	285-345 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	A/A/B/A/B
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 71A5750001D
EAN/UPC - Product	781087111789
Order code	913710413801
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913710413801
Net Weight (Piece)	0.010 kg

### Dimensional drawing



MH BAL 250W M58 5-TAP KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A5750001D	3.1 in	1.6 in	4.8 in	4.4 in	4.3 in	3.9 in





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Capacitor Requirements	400V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.75 in
Capacitor Height	3.75 in
Automatic Restart	No
Operating and Electrical	
Input Voltage	120/208/240/277/480 V

Input Frequency	60 Hz
Input Current (Open Circuit)	2/1.2/1/0.9/0.5 A
Input Current (Starting)	2.4/1.4/1.2/1.05/0.6 A
Input Current (Short Circuit)	1.9-2.9/1.1-1.7/0.9-1.4/0.8-1.25/0.45-0.75 A
Secondary Short Circuit Current	2.25-2.8 A
Constant Wattage Deviation	10%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	315 V
Input Current (Nom)	2.6/1.5/1.4/1.1/0.65 A A
Input Power (Nom)	290 W
Rated Lamp Power	250 W
Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes
Max Ballast-Lamp Distance Remote Wiring	Determined by AWG used
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