



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

CORE & COIL HID MH BAL 175W M57 QUAD 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	71A5590			
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	120/208/240/277 V			

Input Current (Open Circuit) 1.78/1.08/0.93/0.81 A Input Current (Starting) 1.26/0.7/0.61/0.53 A Input Current (Short Circuit) 1.06-1.59/0.6-0.9/0.52-0.78/0.45-0.67 A Secondary Short Circuit Current 1.5-1.9 A Constant Wattage Deviation 10% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Max Ballast-Lamp Distance Remote Determined by AWG used	Input Frequency	60 Hz				
Input Current (Short Circuit) 1.06-1.59/0.6-0.9/0.52-0.78/0.45-0.67 A Secondary Short Circuit Current 1.5-1.9 A Constant Wattage Deviation 10% Ballast Factor (Nom) 1 Power Factor (Nom) Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Remote Wiring Configuration Allowed Determined by AWG used	Input Current (Open Circuit)	1.78/1.08/0.93/0.81 A				
Secondary Short Circuit Current 1.5-1.9 A Constant Wattage Deviation 10% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Max Ballast-Lamp Distance Remote Determined by AWG used	Input Current (Starting)	1.26/0.7/0.61/0.53 A				
Constant Wattage Deviation 10% Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Max Ballast-Lamp Distance Remote Determined by AWG used	Input Current (Short Circuit)	1.06-1.59/0.6-0.9/0.52-0.78/0.45-0.67 A				
Ballast Factor (Nom) 1 Power Factor (Nom) 0.90 Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Max Ballast-Lamp Distance Remote Determined by AWG used	Secondary Short Circuit Current	1.5-1.9 A				
Power Factor (Nom) Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) Rated Lamp Power 175/150 W Wiring Wire Striplength O.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Remote Wiring Distance Remote Determined by AWG used	Constant Wattage Deviation	10%				
Open Circuit Voltage 305 V Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Max Ballast-Lamp Distance Remote Determined by AWG used	Ballast Factor (Nom)	1				
Input Current (Nom) 1.8/1.04/0.9/0.8 A A Input Power (Nom) 210 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 Remote Wiring Configuration Allowed Determined by AWG used	Power Factor (Nom)	0.90				
Input Power (Nom) Rated Lamp Power 175/150 W Wiring Wire Striplength 0.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Remote Wiring Configuration Allowed Determined by AWG used	Open Circuit Voltage	305 V				
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 Max Ballast-Lamp Distance Remote Determined by AWG used	Input Current (Nom)	1.8/1.04/0.9/0.8 A A				
Wire Striplength 0.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Input Power (Nom)	210 W				
Wire Striplength 0.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Rated Lamp Power	175/150 W				
Wire Striplength 0.5 mm Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used						
Wire Length by Color 12" Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Wiring					
Wire Type Stranded Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Wire Striplength	0.5 mm				
Remote Wiring Configuration Allowed Yes Max Ballast-Lamp Distance Remote Determined by AWG used	Wire Length by Color	12"				
Max Ballast-Lamp Distance Remote Determined by AWG used	Wire Type	Stranded				
•	Remote Wiring Configuration Allowed	Yes				
Wiring	Max Ballast-Lamp Distance Remote	Determined by AWG used				
	Wiring					

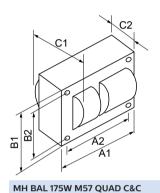
Datasheet, 2019, February 12 data subject to change

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Recommended Fuse Value	5/3/3/2 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	275-335 V				
Approval Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	C/D/D/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 QUAD C&C
EAN/UPC - Product	781087097908
Order code	913710464202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913710464202
Net Weight (Piece)	3.276 kg

Dimensional drawing



CORE & COIL HID 71A5590510D	3.95 in	2.42 in	3.9 in	3.5 in	2.8 in	2.4 in

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Product

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