



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

CORE & COIL HID MH BAL 250W M58/H37 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 Characteristics

Lamp Type	250W MH
Number of Lamps	1 piece
Line Voltage	120/208/240/277 V
Input Current (Operating)	2.5/1.45/1.25/1.1 A
Line Frequency	60 Hz
Circuit Type	CWA
Ballast Type	Magnetic HID
Base Model	71A5790A
Core Size	4 1/4 x 4 3/4 (2 coil)
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	NA
Ignitor Temp Rating	NA
Capacitor value [µF]	15 MFD
Capacitor Catalog Number	7C150P40R
Capacitor Requirements	400V
Capacitor Temp Rating	105°C
Capacitor Dia/Oval Dim	1.75 in
Capacitor Height	3.75 in
Family Name	Core & Coil MH

### • Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	60/104/120/138 V
Nominal Open Circuit Voltage	300 V
Inp. Current (Open Circuit)	1.7/1/0.85/0.75 A

Input Current (Starting)	2.2/1.3/1.1/1 A
Input Current Short Circuit	1.9-2.7/1.1-1.7/0.95-1.35/0.8-1.2 A
Secondary ShortCircuit Current	2.25-2.75 A
Input Power Gear	298 W
Constant wattage deviation	10%
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)	Determined by AWG used
Recommended Fuse	8/5/5/3 A

### • System Chars on driver level

Rated Lamp Watts	250W
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### • Product Dimensions

Length A1	4.8 in
Length A2	4.4 in
Width B1	4.3 in
Coil Depth C1	3.15 in
Stack Height C2	1.5 in
Width B2	3.9 in

**PHILIPS**

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## • Approval & Application Chars

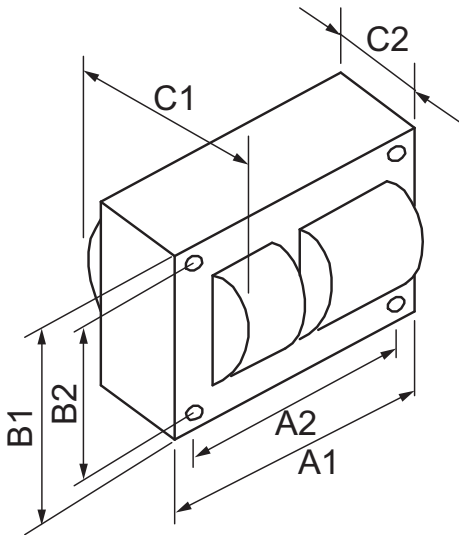
Approbation Marks	ULR, CSA, NOM, RoHS
CE marking	No
VDE certificate	No
UL Listed	No
CSA certificate	No
CCC certificate	No
Chia Quality Certificate	No
Temperature marking	B/B/B/B
CEC Listing	No
cUL certificate	No
EISA	No
ETL Certificate	No
FIDE Certificate	No
NOM certificate	Yes
RoHS Compliant	Yes
SASO Certificate	No
UL Recognized	No
ANSI Code	M58
HiPot Test (1 minute)	2000 V

HiPot Test (2 seconds)	2500 V
Open Circ Voltage Test (Volts)	270-330 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029B

## • Product Data

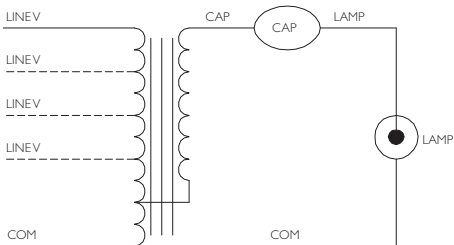
Product number	71A5790500DA
Full product name	MH BAL 250W M58/H37 QUAD C&C
Short product name	MH BAL 250W M58/H37 QUAD C&C
Pieces per Sku	1
Skus/Case	4
Bar code on pack	781087055069
Bar code on case	50781087055064
Logistics code(s)	913710498910
eop_net_weight_pp	4.115 kg

## Dimensional drawing



## CORE & COIL HID MH BAL 250W M58/H37 QUAD C&C

Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	C2 (Norm)
MH BAL 250W M58/H37 QUAD C&C	4.8	4.4	4.3	3.9	3.15	1.5





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2014, March 26  
data subject to change