



Core & Coil (71A) MH < 175W

CORE & COIL HID MH BAL 150W M102/142 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	150 MH
Number of Lamps	1 piece
Line Voltage	120/208/240/277 V
Input Current (Operating)	1.6/0.96/0.8/0.7 A
Line Frequency	60 Hz
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A5492
Core Size	3 X 4 (2 LW)
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	LI533-H4
Ignitor Temp Rating	105°C
Capacitor value [µF]	16 MFD
Capacitor Catalog Number	7C160M30RA
Capacitor Requirements	280V
Capacitor Temp Rating	105°C
Capacitor Dia/Oval Dim	1.65 in
Capacitor Height	2.75 in
Family Name	Core & Coil MH

• Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	90/156/180/208 V
Nominal Open Circuit Voltage	250 V
Imp. Current (Open Circuit)	3.5/2.04/1.73/1.52 A

Input Current (Starting)	1.75/1.3/0.85/0.77 A
Input Current Short Circuit	1.03-1.41/0.61-0.92/0.49-0.74/0.44-0.67 A
Secondary ShortCircuit Current	2.05-2.55 A
Input Power Gear	185 W
Constant wattage deviation	12%
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)	10'
Recommended Fuse	10/5/5/4 A

• System Chars on driver level

Rated Lamp Watts	150W
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• Product Dimensions

Length A1	3.9 in
Length A2	3.5 in
Width B1	2.8 in
Coil Depth C1	3.9 in
Stack Height C2	2.25 in
Width B2	2.4 in

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• Approval & Application Chars

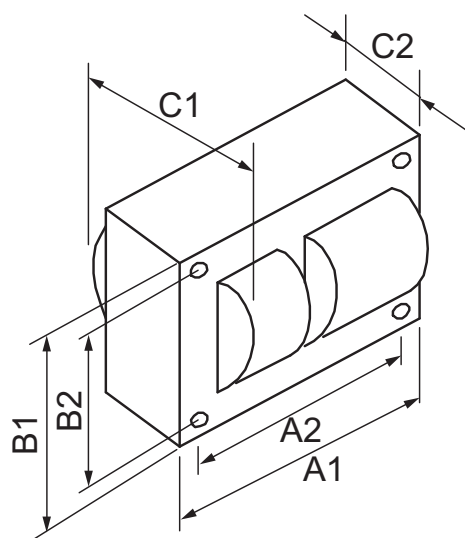
Approbation Marks	ULR, CSA, NOM, RoHS
CE marking	No
VDE certificate	No
UL Listed	No
CSA certificate	Yes
CCC certificate	No
Chia Quality Certificate	No
Temperature marking	C/B/B/A
CEC Listing	No
cUL certificate	No
EISA	No
ETL Certificate	No
FIDE Certificate	No
NOM certificate	Yes
RoHS Compliant	Yes
SASO Certificate	No
UL Recognized	Yes
ANSI Code	M102/M142
HiPot Test (1 minute)	2000 V

HiPot Test (2 seconds)	2500 V
Open Circ Voltage Test (Volts)	235-290 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029C

• Product Data

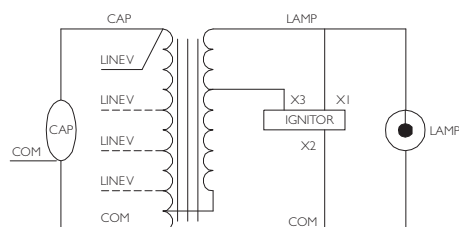
Product number	71A5492500DML
Full product name	MH BAL 150W M102/142 QUAD C&C
Short product name	MH BAL 150W M102/142 QUAD C&C
Pieces per Sku	1
Skus/Case	2
Bar code on pack	781087034750
Bar code on case	50781087034755
Logistics code(s)	913710492202
eop_net_weight_pp	3.384 kg

Dimensional drawing



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Product	A1 (Norm)	A2 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	C2 (Norm)
MH BAL 150W M102/142 QUAD C&C	3.9	3.5	2.8	2.4	3.9	2.25





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data subject to change