



Core & Coil (71A) MH > 450W

CORE & COIL HID MH BAL 1000W M141 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	1000W MH
Number of Lamps	1 piece
Line Voltage	120/208/240/277 V
Input Current (Operating)	9/5.2/4.5/3.9 A
Line Frequency	60 Hz
Circuit Type	SUPER-CWA
Ballast Type	Magnetic HID
Base Model	71A6593
Core Size	4 1/4 x 6 (2 Coil)
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	LI571-H5
Ignitor Temp Rating	105°C
Capacitor value [µF]	24 MFD
Capacitor Catalog Number	MD2409000
Capacitor Requirements	480V
Capacitor Temp Rating	90°C
Capacitor Dia/Oval Dim	1.75 in
Capacitor Height	3.9 in
Family Name	Core & Coil MH High Power

• Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	84/146/168/194 V
Nominal Open Circuit Voltage	430 V
Inp. Current (Open Circuit)	4.5/2.7/2.3/2.2 A

Input Current (Starting)	7.8/4/3.7/3.2 A
Input Current Short Circuit	5.6-8.6/3.2-4.8/2.8-4.3/2.4-3.75 V
Secondary ShortCircuit Current	5.2-6.4 A
Input Power Gear	1080 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)	5'
Recommended Fuse	20/15/10/10 A

• System Chars on driver level

Rated Lamp Watts	1000W
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• Product Dimensions

Length A1	6 in
Length A2	5.4 in
Length A3	4.4 in
Width B1	4.3 in
Coil Depth C1	4.5 in
Stack Height C2	2.8 in
Width B2	3.9 in

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• Approval & Application Chars

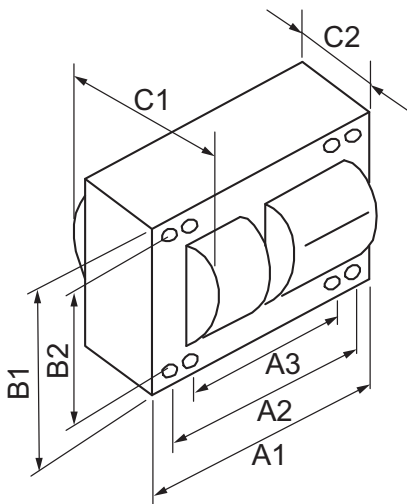
Approbation Marks	ULR, RoHS
CE marking	No
VDE certificate	No
UL Listed	No
CSA certificate	No
CCC certificate	No
Chia Quality Certificate	No
Temperature marking	D/B/B/B
CEC Listing	No
cUL certificate	No
EISA	No
ETL Certificate	No
FIDE Certificate	No
NOM certificate	No
RoHS Compliant	Yes
SASO Certificate	No
UL Recognized	Yes

ANSI Code	M141
HiPot Test (1 minute)	1500 V
HiPot Test (2 seconds)	2500 V
Open Circ Voltage Test (Volts)	385-475 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029D

• Product Data

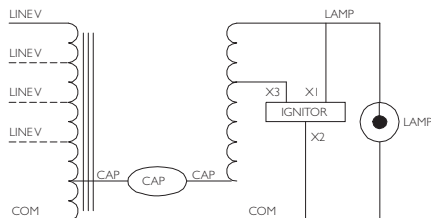
Product number	71A6593600
Full product name	MH BAL 1000W M141 QUAD C&C
Short product name	MH BAL 1000W M141 QUAD C&C
Pieces per Sku	1
Skus/Case	2
Bar code on pack	781087110263
Bar code on case	50781087110268
Logistics code(s)	913710440102
eop_net_weight_pp	9.803 kg

Dimensional drawing



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Product	A1 (Norm)	A2 (Norm)	A3 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	C2 (Norm)	C3 (Norm)
MH BAL 1000W M141 QUAD C&C	6	5,4	4,4	4,3	3,9	4,5	2,8	-





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www.philips.com/lighting

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data subject to change