



TEST REPORT

B100W-240M

Item:	B100W-240M	PO no.:	S201003051
Mains	120-240V, 50/60Hz, 100W Digital Ballast	Date:	Apr 16/10

Testing Environment:	Lamps: SYLVANIA HPS100W	Temperature: 18°C
	Rel. Humidity: 35%	

Conditions:				Sample #1	Sample #2	Sample #3
	Min	Typ	Max			
Operational Performance (V)	108	120-240	265			
Operational Safety	102	120-240	276			
Mains Frequency (Hz)	45	60	66			

Operation (Input)

Input Power (W)@120V	100	105	110	102		
Input Power (W)@240V	--	--	--	100		
Power Factor	0.97	0.98	0.99	0.99		
Current @ 120V	0.83	0.88	0.92	0.84		
Current @ 240V	0.42	0.44	0.46	0.42		
TDH (%)	--	5	10	9.5		
Inrush Current @ 120V	--	10	30	<30		
Inrush Current @ 240V	--	10	30	<30		

Operation (Output)

Operational Frequency (kHz)	60	70	80	69.51		
Open-Circuit Power (W)	--	0.5	2.5	1.5		
Supply Voltage (V)	40	45	50	47.3		
Pulse Voltage (KV)	3	3.5	5	3.5		
Start Warm Lamp (min)	--	1-5-10-15-20	20	1		
Output Power (W)@120V	94	99	103	96		
Output Power (W)@240V	--	--	--	94		

Safety

Aging Hours		12		12		
Ta (C/F)		40/104		40/104		
Tc (C/F)		70/158		70/158		
Grounding		0.5Ω/25A		0.5Ω/25A		
Dielectric Voltage (V)		1800VAC,1S		1800VAC,1S		

Physical Data

Dimension - Body (mm)				154x85x52m		
Material				Aluminium		
Color				White		
Weight (kg/lbs)				1.0kg		