

Watran by Lighting and Power Technologies LLC		Electronic Ballast 39W for MH Lamps (C179,C130,M130)	Catalog Number 80102 HQEB-MH39/120LA1F			
Electrical Characteristics						
Parameter	Symbol	Conditions	Min	Nom	Max	Unit
Line voltage	U _N	AC	108	120	132	V
Perm.voltage fluctuations		AC	96	—	144	V
Lamp wattage	PL	Nominal and ±variations, after work stable	37	39	40	W
Losses		Nominal and ±variations, after work stable	—	—	6	W
Line frequency	f _N		50	—	60	Hz
Line current	I _N	at 120V	0.36	0.38	0.40	A
Power factor	λ	Nominal and ±variations, after work stable	0.95	—	—	
Crest Factor	CF	Nominal and ±variations, after work stable	—	—	1.4	
Operating frequency		Nominal and ±variations, after work stable	165	—	185	Hz
Ignition voltage			3	—	4	KV
Pulse width of Ignition voltage		Ignition voltage at 2.7KV	0.5	—	—	uS
wiring length			—	—	15	feet
temperature at point tc	tc		—	—	80	°C
ambiemt temperature ta	ta		-20	—	+50	°C
Life time		ta=50°C	50000	—	—	h
2nd Harmonic	-	25°C, Nominal Input	—	—	2	%
3rd Harmonic	-	25°C, Nominal Input	—	—	30*λ	%
5th Harmonic	-	25°C, Nominal Input	—	—	10	%
7th Harmonic	-	25°C, Nominal Input	—	—	7	%
9th Harmonic	-	25°C, Nominal Input	—	—	5	%
11~39th Harmonic	-	25°C, Nominal Input	—	—	3	%
Wiring Diagram & Dimensions						
The technical drawing includes a top view with dimensions 139.6 (total width), 123 (inner width), 43.6 (left height), and 34.6 (right height). A side view shows a height of 30.4. Below these is a wiring diagram showing an AC power source connected to a green wire (ground), a black wire (switched line), and a white wire (neutral). The black wire is connected to the ballast, which also has a blue wire and a red wire connected to a screw terminal.						
Lighting and Power Technologies LLC 7101 Whisperfield Dr. Plano, TX 75024 PH: 972-624-5000 Fax; 972 624-5800 Tech Support: 877 666-5267 sales@lightingandpowertech.com www.lightingandpowertech.com						