

Neonlite	Engineering Specifications of Electronic Ballast				Edition:2 August 2014		
Part No.	Model No.	Rating	Cap	Color Temp.	Life	Remark1	Remark2
96B691001AW	LD0310x1V-C500	120-240V	NA	NA	50,000		
96B691002AW	LD0310x1V-C500	120-240V	NA	NA	50,000		

t.b.c.=to be confirmed

1 General Data

1.1	Rated Voltage [V]	120-240
1.2	Surge Voltage [V]	2500
1.3	Frequency [Hz]	50/60
1.4	Input wattage[W]	13.3
1.5	Output Voltage with Load [V]	20
1.6	Output Voltage without Load [V]	23
1.8	120V Input Current[mA]	123
1.10	240V Input Current [mA]	62
1.11	Output Current[mA]	500
1.12	Power Factor	>0.9
1.13	Dimming range	100%~1%

2 Electronic Ballast Geometrical Data

2.1	Length (A) [mm]	147±1.0		147±1.0
2.2	Length (B) [mm]	50±0.5		50±0.5
2.3	Length (C) [mm]	32±0.5		32±0.5
2.4	Weight [g]			133(±5%)
2.5	Classification of Installation and Use			Independent
2.6	Max. Casing Temperature [°C]			85
2.7	Ambient Temperature Range [°C]			-30 to +40
2.8	Luminaires of Protection Class			II
2.9	Open Circuit Protection			Yes
2.10	Short Failure Protection			Yes

3 Electronic Ballast Life time

3.1	Life Hour With Max. Failure Level of 50% (at ta max.) [h]	50,000
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4 System Installation

4.1	Push-In Terminals [mm ²]	0.75~1.5
4.2	Wire Preparation [mm]	9
4.3	Fixing Bracket for Screws	M4
4.4	Wiring Diagram	

5 Environmental relevant materials

5.1	Hg [mg]	NA
5.2	Pb [mg]	Pb Free
5.3	RoHS	Compliant
6	Technical Data(LED Dimming Electronic Driver)	
6.1	Safety Requirement	according to UL8750
6.2	Performance Requirement(LED Lamp)	according to LM-79
6.3	EMC Requirement	according to FCC Part 15 and FCC Part 18
6.4	Approvals	NA
6.5	Color of plastic component	White
6.6	Flammability of plastic component	94-V0
*	Only for Megaman ER0110-50H24D; ER0210-50H08D; ER0310-50H45D used	

Prepared by (Engineer)	Checked by (Project Manager)	Approved by (R&D Manager)
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