



SHGS1-MID-2-200-L

Electronic Ballast For Use With UV & Tanning Applications

This Ballast Will Operate Following Lamps:

1 OR 2 X F59T12VHO, F60T12VHO, F71T12VHO, F72T12VHO, F73T12VHO, F74T12VHO, F79T12VHO



General Specifications

Input Voltage	208 - 240VAC ±10%, 50/60Hz
Operating Frequency	56KHz
Current Crest Factor	<1.7
EMI / RFI Compliance	FCC Part 18-A
Sound Rating	" A "
Ballast Type	Instant Start
Voltage Transients	ANSI C82.11 - 1993 / C62.41
Inherent Thermal Protection	Yes
Min. Operating Temp	0°C (32°F)
Max. Case Temp	75°C (167°F)
Approvals Class	UL / cUL Listed, Class "P", Type 1 Outdoor
Warranty	3 Years from the date of manufacture when properly installed

Electrical Data @208VAC with 1.60 Amp application

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F59T12VHO (140W)	1	129	0.65	0.95	0.8	0.6	<20%
F60T12VHO (135W)	1	153	0.76	0.96	0.0	0.0	<20%
F71T12VHO (160W)	1	176	0.87	0.97	1.0	0.6	<20%
F72T12VHO (165W)	1	195	0.96	0.98	1.1	0.6	<20%
F73T12VHO (160W)	1	168	0.83	0.97	1.0	0.6	<20%
F74T12VHO (200W)	1	184	0.90	0.97	0.9	0.5	<20%
F79T12VHO (180W)	1	172	0.85	0.97	0.9	0.5	<20%
F79T12VHO (200W)	1	202	0.99	0.98	0.9	0.5	<20%
F59T12VHO (140W)	2	268	1.30	0.99	0.9	0.3	<10%
F60T12VHO (135W)	2	301	1.46	0.99	1.1	0.4	<10%
F71T12VHO (160W)	2	313	1.51	0.99	0.9	0.3	<10%
F72T12VHO (165W)	2	329	1.59	0.99	0.9	0.3	<10%
F73T12VHO (160W)	2	328	1.57	0.99	1.0	0.3	<10%
F74T12VHO (200W)	2	351	1.69	0.98	0.8	0.2	<10%
F79T12VHO (180W)	2	361	1.74	0.99	0.9	0.3	<10%
F79T12VHO (200W)	2	381	1.84	0.99	0.9	0.2	<10%

Electrical Data @220VAC with 1.60 Amp application

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F59T12VHO (140W)	1	129	0.62	0.95	0.8	0.6	<20%
F60T12VHO (135W)	1	153	0.72	0.97	0.0	0.0	<20%
F71T12VHO (160W)	1	176	0.82	0.97	1.0	0.6	<20%
F72T12VHO (165W)	1	195	0.91	0.98	1.1	0.6	<20%
F73T12VHO (160W)	1	168	0.79	0.97	1.0	0.6	<20%
F74T12VHO (200W)	1	184	0.86	0.97	0.9	0.5	<20%
F79T12VHO (180W)	1	172	0.81	0.97	0.9	0.5	<20%
F79T12VHO (200W)	1	202	0.94	0.98	0.9	0.5	<20%
F59T12VHO (140W)	2	268	1.23	0.99	0.9	0.3	<10%
F60T12VHO (135W)	2	301	1.38	0.99	1.1	0.4	<10%
F71T12VHO (160W)	2	313	1.43	0.99	0.9	0.3	<10%
F72T12VHO (165W)	2	329	1.51	0.99	0.9	0.3	<10%
F73T12VHO (160W)	2	328	1.50	0.99	1.1	0.3	<10%
F74T12VHO (200W)	2	351	1.61	0.98	0.8	0.2	<10%
F79T12VHO (180W)	2	361	1.65	0.99	0.9	0.3	<10%
F79T12VHO (200W)	2	381	1.74	0.99	0.9	0.2	<10%



SHGS1-MID-2-200-L

Electrical Data @230VAC with 1.60 Amp application

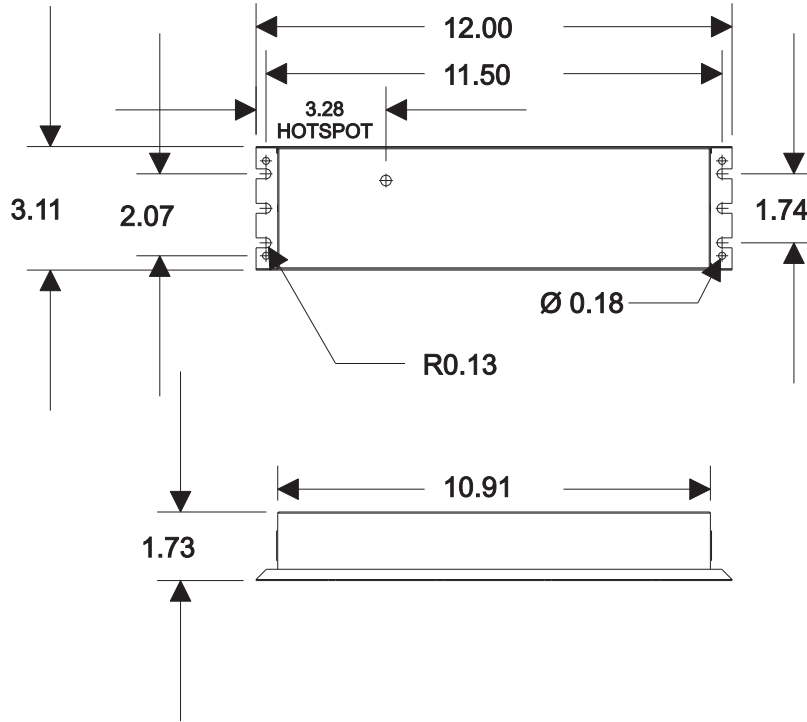
Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F59T12VHO (140W)	1	129	0.62	0.91	0.8	0.6	<20%
F60T12VHO (135W)	1	151	0.71	0.93	1.0	0.7	<20%
F71T12VHO (160W)	1	178	0.82	0.95	1.0	0.6	<20%
F72T12VHO (165W)	1	190	0.87	0.95	1.1	0.6	<20%
F73T12VHO (160W)	1	166	0.76	0.94	1.0	0.6	<20%
F74T12VHO (200W)	1	182	0.83	0.95	0.8	0.5	<20%
F79T12VHO (180W)	1	171	0.79	0.95	0.9	0.5	<20%
F79T12VHO (200W)	1	199	0.90	0.96	0.9	0.5	<20%
F59T12VHO (140W)	2	263	1.17	0.98	0.9	0.3	<10%
F60T12VHO (135W)	2	296	1.31	0.98	1.0	0.4	<10%
F71T12VHO (160W)	2	310	1.37	0.98	0.9	0.3	<10%
F72T12VHO (165W)	2	325	1.43	0.99	0.9	0.3	<10%
F73T12VHO (160W)	2	324	1.43	0.99	1.0	0.3	<10%
F74T12VHO (200W)	2	351	1.55	0.98	0.8	0.2	<10%
F79T12VHO (180W)	2	360	1.58	0.99	0.9	0.3	<10%
F79T12VHO (200W)	2	377	1.66	0.99	0.9	0.2	<10%

Electrical Data @240VAC with 1.60 Amp application

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
F59T12VHO (140W)	1	129	0.59	0.91	0.8	0.6	<20%
F60T12VHO (135W)	1	151	0.67	0.93	1.0	0.7	<20%
F71T12VHO (160W)	1	178	0.78	0.95	1.0	0.6	<20%
F72T12VHO (165W)	1	190	0.82	0.95	1.1	0.6	<20%
F73T12VHO (160W)	1	166	0.73	0.94	1.0	0.6	<20%
F74T12VHO (200W)	1	182	0.80	0.95	0.8	0.5	<20%
F79T12VHO (180W)	1	171	0.75	0.95	0.9	0.5	<20%
F79T12VHO (200W)	1	199	0.86	0.96	0.9	0.5	<20%
F59T12VHO (140W)	2	263	1.12	0.98	0.9	0.3	<10%
F60T12VHO (135W)	2	296	1.25	0.98	1.0	0.4	<10%
F71T12VHO (160W)	2	310	1.31	0.98	0.9	0.3	<10%
F72T12VHO (165W)	2	325	1.37	0.99	0.9	0.3	<10%
F73T12VHO (160W)	2	324	1.37	0.99	1.0	0.3	<10%
F74T12VHO (200W)	2	351	1.47	0.98	0.8	0.2	<10%
F79T12VHO (180W)	2	360	1.52	0.99	0.9	0.3	<10%
F79T12VHO (200W)	2	377	1.59	0.99	0.9	0.2	<10%

SHGS1-MID-2-200-L

Mechanical Data



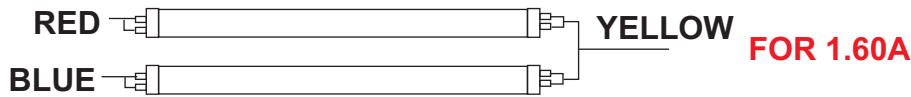
Where : L = Length, W = Width, H = Height

Wiring Diagram

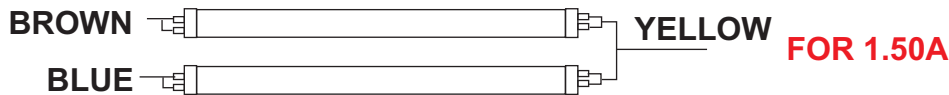


Wire Color	Length (Inches)
Black	72.0"
White	72.0"

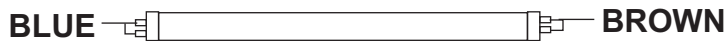
Wire Color	Length (Inches)
Red	72.0"
Yellow	72.0"
Brown	72.0"
Blue	72.0"



FOR 1.60A



FOR 1.50A



Note: This ballast case must be grounded.