



SHS5-024-C

Electronic Ballast For Use With UV & Tanning Applications

This Ballast Will Operate Following Lamps:

10W-21W T5,425mA UV Lamps, T3 17" (25W T5 425mA), T3 12" (16W T5 425mA).
 TUV18W, TUV36W, 38W-41W T5,425mA UV Lamps,
 (1+1) Any 10-21W T5, 425mA UV Lamp Combination

General Specifications

Input Voltage	21V - 32V, 50 / 60Hz
Current Crest Factor	<1.7
EMI / RFI Compliance	FCC Part 18-A (Non Consumer)
Sound Rating	" A "
Ballast Type	Rapid Start
Voltage Transients	ANSI 62.41
Input Protection	Fuse
Output Protection	EOL
Min. Operating Temp	0°C (32°F)
Max. Case Temp	75°C (167°F)
Energy Star 4.0	Yes
Approvals Class	UL / cUL Listed, Class "P", 1 or 2 Outdoor
Warranty	3 Years from the date of manufacture when properly installed

Electrical Data @24V (24V Application)

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
T3 12" 425mA	1	18	0.77	0.99	1.11	6.07	2.5%
T3 17" 425mA	1	25	1.08	0.99	1.09	4.30	3.3%
10WT5 425mA	1	13	0.57	0.99	1.11	8.28	2.4%
14WT5 425mA	1	18	0.77	0.99	1.11	6.08	2.5%
15WT5 425mA	1	18	0.78	0.99	1.10	6.00	2.2%
17WT5 425mA	1	23	0.97	0.99	1.10	4.78	2.6%
21WT5 425mA	1	26	1.09	0.99	1.09	4.25	3.2%
38WT5 425mA	1	45	1.82	0.99	1.06	2.37	4.6%
41WT5 425mA	1	49	2.00	0.99	1.04	2.14	4.9%
TUV 18W	1	26	1.10	0.99	1.01	3.91	2.9%
TUV 36W	1	45	1.83	0.99	1.06	2.37	4.5%
T3 12" 425mA	2	35	1.44	0.99	1.03	2.92	3.5%
T3 17" 425mA	2	47	2.02	0.99	0.99	2.10	5.1%
10WT5 425mA	2	25	1.07	0.99	1.06	4.19	2.9%
14WT5 425mA	2	34	1.39	0.99	1.04	3.03	3.5%
15WT5 425mA	2	36	1.55	0.99	1.03	2.82	3.5%
17WT5 425mA	2	43	1.77	0.99	1.01	2.33	4.2%
21WT5 425mA	2	53	2.18	0.99	0.99	1.88	5.1%
TUV 18W	2	49	2.02	0.99	1.01	2.04	4.6%



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Electrical Data @21V (24V Application)

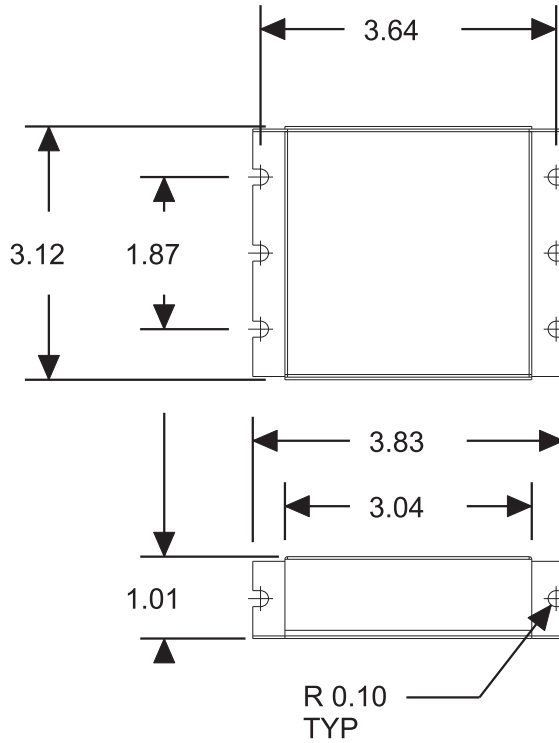
Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
T3 12" 425mA	1	18	0.89	0.99	1.10	5.99	2.7%
T3 17" 425mA	1	26	1.26	0.99	1.09	4.23	3.8%
10WT5 425mA	1	13	0.65	0.99	1.11	8.29	2.6%
14WT5 425mA	1	19	0.90	0.99	1.11	5.92	2.8%
15WT5 425mA	1	19	0.90	0.99	1.10	5.92	2.5%
17WT5 425mA	1	23	1.13	0.98	1.10	4.71	3.1%
21WT5 425mA	1	26	1.27	0.99	1.09	4.18	3.8%
38WT5 425mA	1	46	2.14	0.99	1.05	2.30	5.4%
41WT5 425mA	1	50	2.35	0.99	1.04	2.08	5.7%
TUV 18W	1	26	1.28	0.99	1.01	3.85	3.5%
TUV 36W	1	46	2.15	0.99	1.06	2.31	5.3%
T3 12" 425mA	2	36	1.67	0.99	1.03	2.88	4.3%
T3 17" 425mA	2	48	2.26	0.99	0.99	2.06	5.6%
10WT5 425mA	2	26	1.24	0.99	1.06	4.15	3.4%
14WT5 425mA	2	35	1.61	0.99	1.04	2.99	4.2%
15WT5 425mA	2	37	1.70	0.99	1.03	2.82	4.1%
17WT5 425mA	2	44	2.07	0.99	1.01	2.29	5.1%
21WT5 425mA	2	55	2.61	0.99	0.99	1.81	6.0%
TUV 18W	2	51	2.38	0.99	1.00	1.98	5.6%

Electrical Data @32V (24V Application)

Lamp Wattage / Type	Lamps Operated	Input Wattage	Line Current	Power Factor	Ballast Factor	Efficacy Factor	THD
T3 12" 425mA	1	18	0.57	0.99	1.11	6.13	1.6%
T3 17" 425mA	1	25	0.79	0.99	1.09	4.38	2.7%
10WT5 425mA	1	13	0.43	0.99	1.11	8.29	3.1%
14WT5 425mA	1	18	0.57	0.99	1.11	6.14	2.0%
15WT5 425mA	1	18	0.58	0.99	1.10	6.05	2.1%
17WT5 425mA	1	23	0.72	0.98	1.10	4.85	2.0%
21WT5 425mA	1	25	0.80	0.99	1.09	4.33	2.6%
38WT5 425mA	1	43	1.33	0.99	1.05	2.44	3.6%
41WT5 425mA	1	47	1.45	0.99	1.04	2.22	3.9%
TUV 18W	1	25	0.80	0.99	1.01	3.99	2.4%
TUV 36W	1	44	1.34	0.99	1.06	2.45	3.3%
T3 12" 425mA	2	34	1.09	0.99	1.03	3.01	2.8%
T3 17" 425mA	2	46	1.45	0.99	0.99	2.18	3.8%
10WT5 425mA	2	25	0.78	0.99	1.06	4.31	2.4%
14WT5 425mA	2	33	1.10	0.99	1.04	3.13	3.0%
15WT5 425mA	2	35	1.11	0.99	1.03	2.96	2.5%
17WT5 425mA	2	42	1.33	0.99	1.01	2.41	3.2%
21WT5 425mA	2	50	1.56	0.99	0.99	1.96	4.1%
TUV 18W	2	48	1.48	0.99	1.01	2.12	3.5%

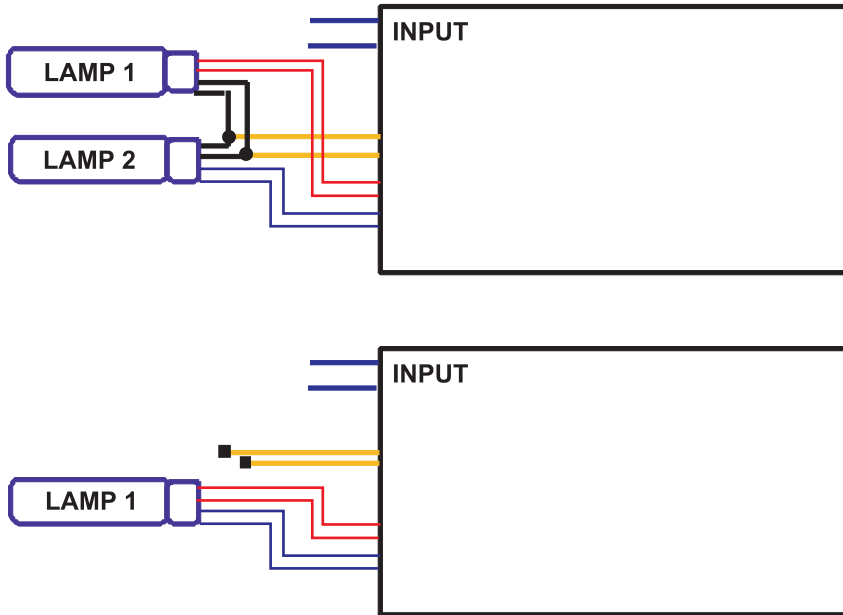
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Mechanical Data



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

Wiring Diagram



Wire Color	Length (Inches)
Black	12" ±0.5"
White	12" ±0.5"
Red	12" ±0.5"
Blue	12" ±0.5"
Yellow	12" ±0.5"

Note: This ballast case must be grounded