



FULHAM ELECTRONIC BALLASTS FOR UV & GERMICIDAL APPLICATIONS

provide a low-maintenance, energy-efficient solution for germicidal ultraviolet lighting applications, including water purification, air purification and surface disinfection.

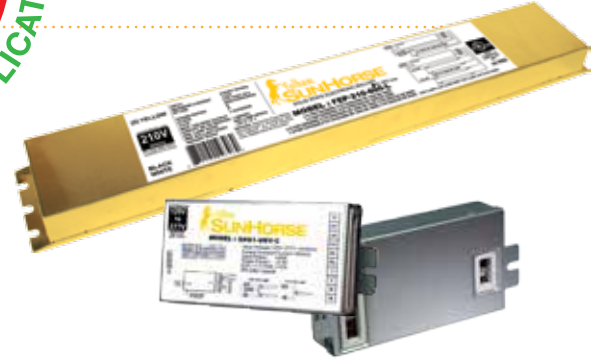
Advantages of Fulham SunHorse™ Ballasts:

- Multi-lamp operation: Up to 6 lamps can be run off one ballast
- Dimming and non-dimming options are available
- The extended lamp life that these ballasts promote lowers maintenance costs
- Compatible with a wide range of lamp types and configurations



COMMON SPECIFICATIONS

Frequency	50/60Hz	Regulatory Approvals	UL/cULus as indicated in chart below
Protection Output	Yes	Class P Inherent	Type 1 Outdoor
Protection Input	Fuse/MOV	Thermal Protection	
Over Current	Yes	Sound Rating	"A"
Transient Protection	C62.41 Class A 7 strikes		
EMI	FCC PART 18 non-consumer		



Standard Models (Non-Dimming)	Operating Voltage	Rated Max. Load	Min. Operating Temp.	Max Case Temp.	Ballast Dimensions	cULus	CE
SHS4-120-C	120VAC	21W	0°C (32°F)	75°C (167°F)	L 3.09", W 1.45", H 1.1"	✓	
SHS1-UNV-C	120-277VAC	42W	0°C (32°F)	75°C (167°F)	L 5.05", W 2.36", H 1.00"	✓	
SHS1-UNV-C-I*	120-277VAC	42W	0°C (32°F)	75°C (167°F)	L 5.05", W 2.36", H 1.00"	✓	
SHS5-024-C	24VAC	42W	0°C (32°F)	75°C (167°F)	L 3.64", W 3.12", H 1.01"	✓	
SHS2-MLT-L	120-240VAC	17W	0°C (32°F)	75°C (167°F)	L 5.87", W 1.50", H 1.04"	✓	✓
SHS3-MLT-L	120-240VAC	32W	-10°C (14°F)	75°C (167°F)	L 5.87", W 1.50", H 1.04"	✓	✓
SHS10-UNV-H*	120-277VAC	150W	0°C (32°F)	80°C (176°F)	L 10", W 2.6", H 1.26"	✓	✓
SHS11-UNV-H*	120-277VAC	190W	0°C (32°F)	70°C (158°F)	L 10", W 2.6", H 1.26"	✓	✓
SHS14-UNV-H*	120-277VAC	150W	0°C (32°F)	70°C (158°F)	L 10", W 2.6", H 1.26"	✓	✓
SHS15-UNV-H*	120-277VAC	310W	0°C (32°F)	75°C (167°F)	L 10", W 2.8", H 1.79"	✓	✓
FEP-120-600-L	120VAC	320W	-18°C (0°F)	70°C (158°F)	L 19.25", W 3", H 1.25"	✓	
FEP-210-600-L	210VAC	320W	0°C (32°F)	70°C (158°F)	L 19.25", W 3", H 1.25"	✓	
FEP-230-600-L	230VAC	320W	-18°C (0°F)	70°C (158°F)	L 19.25", W 3", H 1.25"	✓	
SHGS1 MID 2 200 L	208-240VAC	380W	0°C (32°F)	75°C (167°F)	L 12", W 3.11", H 1.73"	✓	
SHGS2 MID 4 100 L	208-240VAC	380W	0°C (32°F)	75°C (167°F)	L 12", W 3.11", H 1.73"	✓	
SHGS3 MID 6 100 L	208-240VAC	600W	0°C (32°F)	75°C (167°F)	L 16", W 3.11", H 1.77"	✓	
SHGS5 MID 2 200 N	208-240VAC	400W	10°C (50°F)	N/A - No case	L 9.84", W 2.76", H 1.89"		✓
SHGS6 MID 4 120 N	208-240VAC	480W	10°C (50°F)	N/A - No case	L 9.84", W 2.76", H 1.89"		✓
SHGS7 MID 6 120 N	208-240VAC	720W	10°C (50°F)	N/A - No case	L 12.72", W 2.95", H 1.97"		✓



DIMMING FEATURES

Instant Start with 0-10V dimming control and linear (smooth) dimming from 100-70%.

Dimming Models

SHGD1 MID 2 200 L	208-240VAC	400W	0°C (32°F)	75°C (167°F)	L 12", W 3.11", H 1.73"	✓	
SHGD2 MID 4 100 L	208-240VAC	400W	0°C (32°F)	75°C (167°F)	L 12", W 3.11", H 1.73"	✓	
SHD21-230-L	230VAC	320W	0°C (32°F)	70°C (158°F)	L 16.69", W 1.72", H 1.18"	✓	
SHD21-230-L-I*	230VAC	320W	0°C (32°F)	70°C (158°F)	L 16.69", W 1.72", H 1.18"	✓	

*These models feature an indicator for lamp operation.



Model	Operating Voltage	Rated Max. Load	Min. Operating Temp.	Max. Case Temp.	Ballast Dimensions	Certifications
WorkHorse Ballasts						
WH1-120-L	120VAC	28W	0°F (-18°C)	158°F (70°C)	L 6", W 1", H .75"	UL
WH1-277-L	277VAC	28W	0°F (-18°C)	158°F (70°C)	L 6", W 1", H .75"	UL
WH2-120-L	120VAC	35W	0°F (-18°C)	158°F (70°C)	L 5.5", W 1", H 1"	UL
WH2-120-C (BLS)	120VAC	35W	0°F (-18°C)	158°F (70°C)	L 3.3", W 1.75", H 1"	UL
WH2-230-L	230VAC	35W	0°F (-18°C)	158°F (70°C)	L 5.5", W 1", H 1"	UL
WH2-277-L	277VAC	35W	0°F (-18°C)	158°F (70°C)	L 5.5", W 1", H 1"	UL
WH2-277-C (BLS)	277VAC	35W	0°F (-18°C)	158°F (70°C)	L 3.3", W 2.3", H 1"	UL
WH22-120-L	120VAC	35W	0°F (-18°C)	158°F (70°C)	L 5.5", W 1", H 1"	UL
WH22-120-C (BLS)	120VAC	35W	0°F (-18°C)	158°F (70°C)	L 3.3", W 1.75", H 1"	UL
WH22-277-L	277VAC	35W	0°F (-18°C)	158°F (70°C)	L 5.5", W 1", H 1"	UL
WH22-277-C (BLS)	277VAC	35W	0°F (-18°C)	158°F (70°C)	L 3.3", W 2.3", H 1"	UL
WH3-120-L	120VAC	64W	0°F (-18°C)	158°F (70°C)	L 6.5", W 1.5", H 1"	UL
WH3-120-C (BLS)	120VAC	64W	0°F (-18°C)	158°F (70°C)	L 3.8", W 2.5", H 1"	UL
WH3-230-L	230VAC	64W	0°F (-18°C)	158°F (70°C)	L 6.5", W 1.5", H 1"	UL
WH3-277-L	277VAC	64W	0°F (-18°C)	158°F (70°C)	L 6.5", W 1.5", H 1"	UL
WH3-277-C (BLS)	277VAC	64W	0°F (-18°C)	158°F (70°C)	L 3.8", W 3.1", H 1"	UL
WH33-120-L	120VAC	64W	0°F (-18°C)	158°F (70°C)	L 6.5", W 1.5", H 1"	UL
WH33-120-C (BLS)	120VAC	64W	0°F (-18°C)	158°F (70°C)	L 3.82", W 3.1", H 1"	UL
WH4-120-L	120VAC	70W	0°F (-18°C)	158°F (70°C)	L 6.5", W 1.5", H 1"	UL
WH4-277-L	277VAC	70W	0°F (-18°C)	158°F (70°C)	L 6.5", W 1.5", H 1"	UL
WH5-120-L	120VAC	128W	0°F (-18°C)	158°F (70°C)	L 8.5", W 1.72", H 1"	UL
WH5-230-L	230VAC	128W	0°F (-18°C)	158°F (70°C)	L 9.5", W 1.72", H 1"	UL
WH5-277-L	277VAC	128W	0°F (-18°C)	158°F (70°C)	L 9.5", W 1.72", H 1"	UL
WH6-120-L	120VAC	140W	0°F (-18°C)	158°F (70°C)	L 8.5", W 1.72", H 1"	UL



Model	Operating Voltage	Rated Max. Load	Min. Operating Temp.	Max. Case Temp.	Ballast Dimensions	Certifications
WH6-277-L	277VAC	140W	0°F (-18°C)	158°F (70°C)	L 9.5", W 1.72", H 1"	UL
WH7-120-L	120VAC	220W	0°F (-18°C)	158°F (70°C)	L 19.25", W 1.72", H 1"	UL
WH7-120-H	120VAC	220W	0°F (-18°C)	158°F (70°C)	L 11.75", W 3.25", H 1.25"	UL
WH7-230-L	230VAC	220W	0°F (-18°C)	158°F (70°C)	L 19.25", W 1.72", H 1"	UL
WH7-277-L	277VAC	220W	0°F (-18°C)	158°F (70°C)	L 19.25", W 1.72", H 1"	UL
WH8-120-L	120VAC	220W	0°F (-18°C)	158°F (70°C)	L 19.25", W 1.72", H 1"	UL
WH8-230-L	230VAC	220W	0°F (-18°C)	158°F (70°C)	L 19.25", W 1.72", H 1"	UL
WH8-277-L	277VAC	220W	0°F (-18°C)	158°F (70°C)	L 19.25", W 1.72", H 1"	UL
WH41-UNV-C	120-277VAC	64W	0°F (-18°C)	158°F (70°C)	L 5.77", W 2.99", H 1.05"	UL
WH41-UNV-L	120-277VAC	64W	0°F (-18°C)	158°F (70°C)	L 9.48", W 1.41", H 1.02	UL
WH42-UNV-L	120-277VAC	64W	0°F (-18°C)	158°F (70°C)	L 9.48", W 1.41", H 1.02	UL
WH43-UNV-L	120-277VAC	100W	0°F (-18°C)	158°F (70°C)	L 9.48", W 1.41", H 1.02	UL
WH44-UNV-C	120-277VAC	100W	0°F (-18°C)	158°F (70°C)	L 5.77", W 2.99", H 1.05"	UL
WH44-UNV-L	120-277VAC	100W	0°F (-18°C)	158°F (70°C)	L 9.48", W 1.41", H 1.02	UL
WH45-UNV-L	120-277VAC	140W	0°F (-18°C)	158°F (70°C)	L 9.48", W 2.25", H 1.22"	UL

RaceHorse Ballasts

RHA-UNV-213-C	120-277VAC	26W	-20°F (-30°C)	167°F (75°C)	L 5.1", W 2.4", H 1" (4.3" CASE)	cULus
RHA-UNV-218-C	120-277VAC	36W	-20°F (-30°C)	167°F (75°C)	L 5.1", W 2.4", H 1" (4.3" CASE)	cULus
RHA-UNV-226-C	120-277VAC	57W	-20°F (-30°C)	167°F (75°C)	L 5.1", W 2.4", H 1" (4.3" CASE)	cULus
RHA-UNV-228-LT5	120-277VAC	67W	0°F (-18°C)	158°F (70°C)	L 9.45", W 1.31", H 1.06"	cULus

SugarCube Ballasts

SC-120-287-CUV	120VAC	17W	32°F (0°C)	158°F (70°C)	L 3.07", W 1.46", H 1"	cULus
SC-120-287-CUV-R*	120VAC	17W	32°F (0°C)	158°F (70°C)	L 3.07", W 1.46", H 1"	cULus
SC-230-287-CUV	230VAC	17W	32°F (0°C)	158°F (70°C)	L 3.07", W 1.46", H 1"	cULus
SC-230-287-CUV-R*	230VAC	17W	32°F (0°C)	158°F (70°C)	L 3.07", W 1.46", H 1"	cULus

*RoHS COMPLIANT

UL Listed Ballast / Lamp Combinations



- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
GPH212T5L GPH212T5VH FIRST LIGHT	10	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH212T5L GPH212T5VH LIGHT SOURCES	10	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH287T5L GPH287T5VH FIRST LIGHT	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH287T5L GPH287T5VH LIGHT SOURCES	14	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
TUV 16W (T5) PHILIPS	16	0.35	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH303T5L GPH303T5VH LIGHT SOURCES	15	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
TUV 16W 4P-SE (T5) PHILIPS	16	0.4	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
G10T5VH/C LIGHT SOURCES	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH357T5L GPH357T5VH FIRST LIGHT	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
G10T5VH LIGHT SOURCES	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH357T5L GPH357T5VH LIGHT SOURCES	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
TUV 18W PHILIPS	18	0.370	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH436T5L GPH436T5VH FIRST LIGHT	26	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH436T5L GPH436T5VH LIGHT SOURCES	21	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GSL692T5L GLS692T5VH LIGHT SOURCES	32	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH793T5L GPH793T5VH FIRST LIGHT	38	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH793T5L/4P GE	37	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH793T5L GPH793T5VH LIGHT SOURCES	38	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
TUV 36 4P-SE T5 (G36T5/4P/SE) PHILIPS	40	0.425HF	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
G36T5L/G36T5VH LIGHT SOURCES	41	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GPH843T5L GPH843T5VH LIGHT SOURCES	41	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A

UL Listed Ballast / Lamp Combinations



- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
G36T5/4P/SE GE	39	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
G36T5 GE	39	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
T5HO LAMPS								
GPH846T5L/HO GPH846T5VH/HO LIGHT SOURCES	90	0.8	WH5, Diagram #12	N/A	N/A	N/A	N/A	N/A
GPH893T5L/HO GPH893T5VH/HO LIGHT SOURCES	95	0.8	WH5, Diagram #12	N/A	N/A	N/A	N/A	N/A
GPH893T5L/HO GPH893T5VH/HO LIGHT SOURCES	95	0.8	WH5, Diagram #12	N/A	N/A	N/A	N/A	N/A
LINEAR LAMPS (T6)								
LMPRGS - 180 FIRST LIGHT	38	1.0	WH5, Diagram #12	N/A	N/A	N/A	N/A	N/A
LMPHGS - 240 LIGHT SOURCE	50	1.0	WH5, Diagram #12	N/A	N/A	N/A	N/A	N/A
LMPHGS - 500 LIGHT SOURCE	55	1.0	WH5, Diagram #12	N/A	N/A	N/A	N/A	N/A
LMPHGS - 400 LIGHT SOURCE	90	1.0	WH7, Diagram #10	N/A	N/A	N/A	N/A	N/A
LMPHGS - 500 LIGHT SOURCE	120	1.0	WH7, Diagram #10	N/A	N/A	N/A	N/A	N/A
LMPHGS - 600 LIGHT SOURCE	150	1.0	WH7, Diagram #10	N/A	N/A	N/A	N/A	N/A
T8 LAMP								
G37T6L G37T6VH FIRST LIGHT	40	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
U-SHAPED LAMPS								
GU76-10T5L GU76- 10T5VH LIGHT SOURCES	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GU22-10T5L GU22- 10T5VH LIGHT SOURCES	17	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GU22-390T5L GU22- 390T5VH LIGHT SOURCES	36	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GU76-390T5L GU76- 390T5VH LIGHT SOURCES	37	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GU76-36T5L GU76- 36T5VH LIGHT SOURCES	41	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A
GU22-36T5L GU22- 36T5VHL LIGHT SOURCES	41	0.425	N/A	WH44, Diagram #11	N/A	N/A	N/A	N/A

cULus Listed Ballast / Lamp Combinations

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- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21



UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
GPH212T5L GPH212T5VH FIRST LIGHT	10	0.425	N/A	N/A	N/A	N/A	SC120-287-CUV SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GPH212T5L GPH212T5VH LIGHT SOURCES	10	0.425	N/A	N/A	N/A	N/A	SC120-287-CUV SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GPH287T5L GPH287T5VH FIRST LIGHT	17	0.425	N/A	N/A	N/A	N/A	SC120-287-CUV SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GPH287T5L GPH287T5VH LIGHT SOURCES	14	0.425	N/A	N/A	N/A	N/A	SC120-287-CUV SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
TUV 16W (T5) PHILIPS	16	0.35	N/A	N/A	N/A	N/A	SHS5-024-C	SHS5-024-C
GPH303T5L GPH303T5VH LIGHT SOURCES	15	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
TUV 16W 4P-SE (T5) PHILIPS	16	0.4	N/A	N/A	N/A	N/A	SHS5-024-C	SHS5-024-C
GPH357T5L GPH357T5VH FIRST LIGHT	17	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GPH357T5L GPH357T5VH LIGHT SOURCES	17	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
TUV 18W PHILIPS	18	0.370	N/A	N/A	N/A	N/A	SHS1-UNV-C(I) SHS5-024C	SHS1-UNV-C(I) SHS5-024-C
GPH436T5L GPH436T5VH FIRST LIGHT	26	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GPH436T5L GPH436T5VH LIGHT SOURCES	21	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS5-024-C SHS1-UNV-C
GPH793T5L GPH793T5VH FIRST LIGHT	48	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GPH793T5L/4P GE	37	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GPH793T5L GPH793T5VH LIGHT SOURCES	38	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
TUV 36 4P-SE T5 (G36T5/4P/SE) PHILIPS	40	0.425HF	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
TUV 36 SP T5 (G36T5) PHILIPS	40	0.425HF	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GPH843T5L GPH843T5VH LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
G36T5/4P/SE GE	39	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GPH843T5L GPH843T5VH LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
G36T5/4P/SE GE	39	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A

cULus Listed Ballast / Lamp Combinations

- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21



UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T6)								
GPHHA1554T6L LIGHT SOURCES	320	2.1	N/A	N/A	N/A	N/A	SHD21-230-L-I DIMMING	N/A
GIA1554T6LCA FIRST LIGHT	320	2.2	N/A	N/A	N/A	N/A	SHD21-230-L-I DIMMING	N/A
U-SHAPED LAMPS								
GU76-10T5L GU76- 10T5VH LIGHT SOURCES	17	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GU22-10T5L GU22- 10T5VH LIGHT SOURCES	17	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GU22-390T5L GU22- 390T5VH LIGHT SOURCES	36	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GU76-390T5L GU76- 390T5VH LIGHT SOURCES	37	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GU76-36T5L GU76- 36T5VH LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A
GU22-36T5L GU22- 36T5VHL LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS1-UNV-C (I) SHS5-024-C	N/A

cULus Listed Ballast / Lamp Combinations

- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21



UV B LAMPS	WATTS	LAMP ARC CURRENT (mA)	IS BALLAST/WIRING DIAGRAM #			
			1 LAMP	2 LAMP	3 LAMP	4 LAMP
TANNING LAMPS T12H0						
F18T12H0	25	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	WH8, Diagram #26	N/A
F24T12H0	35	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	WH8, Diagram #26 FEP-600-L, Diagram #8	FEP-600-L, Diagram #7
F30T12H0	42	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	WH8, Diagram #26 FEP-600-L, Diagram #8	FEP-600-L, Diagram #7
F36T12H0	45	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	WH8, Diagram #26 FEP-600-L, Diagram #8	FEP-600-L, Diagram #7
F42T12H0	55	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11	WH8, Diagram #26	N/A
F48T12H0	60	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	WH8, Diagram #26 FEP-600-L, Diagram #8	FEP-600-L, Diagram #7
F59T12H0	85	0.8	N/A	N/A	FEP-600-L, Diagram #8 SHGS2-MID-4-100-L SHGD2-MID-4-100-L	FEP-600-L, Diagram #7 SHGS2-MID-4-100-L
F60T12H0	75	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	WH8, Diagram #26 FEP-600-L, Diagram #8	FEP-600-L, Diagram #7
F64T12H0	80	0.8	WH5, Diagram #12 WH7, Diagram #14	WH7, Diagram #11 WH8, Diagram #23	FEP-600-L, Diagram #8	FEP-600-L, Diagram #7
F71T12H0	100	0.8	N/A	N/A	SHGS2-MID-4-100-L SHGD2-MID-4-100-L	SHGS2-MID-4-100-L SHGD2-MID-4-100-L
F72 T12H0	100	0.8	WH5, Diagram #12 WH7, Diagram #14 FEP-600-L, Diagram #14	WH7, Diagram #11 WH8, Diagram #23 FEP-600-L, Diagram #9	SHGS2-MID-4-100-L SHGD2-MID-4-100-L	SHGS2-MID-4-100-L SHGD2-MID-4-100-L
F73T12H0	100	0.8	N/A	N/A	SHGS2-MID-4-100-L SHGD2-MID-4-100-L	SHGS2-MID-4-100-L SHGD2-MID-4-100-L
F79T12H0	120	0.8	FEP-600-L, Diagram #14	FEP-600-L, Diagram #9	N/A	N/A
F84T12H0	100	0.8	WH5, Diagram #12 WH7, Diagram #14	WH8, Diagram #23	FEP-600-L, Diagram #8	N/A
F96T12H0	110	0.8	WH5, Diagram #12 WH7, Diagram #14	WH8, Diagram #23	N/A	N/A
TANNING LAMPS T12VH0						
F59 T12VH0	140	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F60 T12VH0	135	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F71 T12VH0	160	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F72 T12VH0	165	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F73 T12VH0	160	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F74 T12VH0	200	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F79 T12VH0	180	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A
F79 T12VH0	200	1.5	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	SHGS1-MID-2-200-L SHGD1-MID-2-200-L	N/A	N/A

cULus and CE Listed Ballast / Lamp Combinations



- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
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- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
GPH212T5L GPH212T5VH FIRST LIGHT	10	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
GPH212T5L GPH212T5VH LIGHT SOURCES	10	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
GPH287T5L GPH287T5VH FIRST LIGHT	17	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
GPH287T5L GPH287T5VH LIGHT SOURCES	14	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
GPH303T5L GPH303T5VH LIGHT SOURCES	15	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
GPH357T5L GPH357T5VH FIRST LIGHT	17	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
GPH357T5L GPH357T5VH LIGHT SOURCES	17	0.425	N/A	N/A	N/A	N/A	SHS2-MLT-L	N/A
TUV 18W PHILIPS	18	0.370	N/A	N/A	N/A	N/A	SHS-MLT-L	N/A
GPH436T5L GPH436T5VH FIRST LIGHT	26	0.425	N/A	N/A	N/A	N/A	SHS2-MLT	N/A
GPH436T5L GPH436T5VH LIGHT SOURCES	21	0.425	N/A	N/A	N/A	N/A	SHS2-MLT	N/A
GPH793T5L GPH793T5VH FIRST LIGHT	38	0.425	N/A	N/A	N/A	N/A	SHS2-MLT	SHS14-UNV-H (I)
GPH793T5L/4P GE	37	0.425	N/A	N/A	N/A	N/A	SHS2-MLT	SHS14-UNV-H (I)
GPH793T5L GPH793T5VH LIGHT SOURCES	38	0.425	N/A	N/A	N/A	N/A	SHS2-MLT	SHS14-UNV-H (I)
TUV 36 4P-SE T5 (G36T5/4P/SE) PHILIPS	40	0.425HF	N/A	N/A	N/A	N/A	SHS2-MLT	SHS14-UNV-H (I)
GPH843T5L GPH843T5VH LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS2-MLT	SHS14-UNV-H (I)
G36T5 GE	39	0.425	N/A	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)

cULus and CE Listed Ballast / Lamp Combinations



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- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
GPH1148T5L GPH1148T5VH LIGHT SOURCES	55	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
GPH1554T5L GPH1554T5VH LIGHT SOURCES	75	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
TUV 64 4P-SE T5 PHILIPS	75	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
G64T5 GE	65	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
G64T5/4P/SE GE	65	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
GPH1630T5L GPH1630T5VH LIGHT SOURCES	79	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
T5HO LAMPS								
GPH212T5L/HO GPH212T5VH/HO FIRST LIGHT	18	0.8	N/A	N/A	N/A	N/A	SHS3-MLT-L	N/A
GPH287T5L/HO GPH287T5VH/HO FIRST LIGHT	27	0.8	N/A	N/A	N/A	N/A	SHS3-MLT-L	N/A
GPH357T5L/HO GPH357T5VH/HO FIRST LIGHT	32	0.8	N/A	N/A	N/A	N/A	SHS3-MLT-L	SHS11-UNV-H
GPH436T5L/HO GPH436T5VH/HO FIRST LIGHT	42	0.8	N/A	N/A	N/A	N/A	N/A	SHS11-UNV-H
GPH436T5L/HO GPH436T5VH/HO LIGHT SOURCES	48	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H	SHS11-UNV-H
GPH793T5L/HO GPH793T5VH/HO FIRST LIGHT	72	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H	SHS11-UNV-H
GHO36T5L GHO36T5VH LIGHT SOURCES	87	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H	SHS11-UNV-H
TUV 36 T5 HO 4P-SE PHILIPS	75	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H	SHS11-UNV-H

cULus and CE Listed Ballast / Lamp Combinations



- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
T5HO LAMPS								
GPH846T5L/HO GPH846T5VH/HO LIGHT SOURCES	90	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H SHS15-UNV-H	SHS11-UNV-H SHS15-UNV-H
GPH893T5L/HO GPH893T5VH/HO LIGHT SOURCES	95	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H SHS15-UNV-H	SHS11-UNV-H SHS15-UNV-H
GPH893T5L/HO GPH893T5VH/HO LIGHT SOURCES	95	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H SHS15-UNV-H	SHS11-UNV-H SHS15-UNV-H
GH064T5VH LIGHT SOURCES	155	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H SHS15-UNV-H	SHS15-UNV-H
G64T5L/HO/C G64T5VH/HO/C FIRST LIGHT	145	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H SHS15-UNV-H	SHS15-UNV-H
TUV 64 T5 HO 4P-SE PHILIPS	145	0.8	N/A	N/A	N/A	N/A	SHS11-UNV-H SHS15-UNV-H	SHS15-UNV-H
LINEAR LAMPS (T6)								
LMPRGS - 180 FIRST LIGHT	38	1.0	N/A	N/A	N/A	N/A	SHS10-UNV-H	N/A
LMPHGS - 240 LIGHT SOURCE	50	1.0	N/A	N/A	N/A	N/A	SHS10-UNV-H	N/A
LMPHGS - 500 LIGHT SOURCE	55	1.0	N/A	N/A	N/A	N/A	SHS10-UNV-H	N/A
LMPHGS - 400 LIGHT SOURCE	90	1.0	N/A	N/A	N/A	N/A	SHS10-UNV-H	N/A
LMPHGS - 500 LIGHT SOURCE	120	1.0	N/A	N/A	N/A	N/A	SHS10-UNV-H	N/A
LMPHGS - 600 LIGHT SOURCE	150	1.0	N/A	N/A	N/A	N/A	SHS10-UNV-H	N/A
U-SHAPED LAMPS								
GU22-390T5L GU22- 390T5VH LIGHT SOURCES	36	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
GU76-390T5L GU76- 390T5VH LIGHT SOURCES	37	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
GU76-36T5L GU76- 36T5VH LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)
GU22-36T5L GU22- 36T5VHL LIGHT SOURCES	41	0.425	N/A	N/A	N/A	N/A	SHS14-UNV-H (I)	SHS14-UNV-H (I)

Fulham Approved Ballast / Lamp Combinations

- LOCATE YOUR LAMP MODEL IN THE LEFT COLUMN, SORTED BY TYPE AND SIZE
- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
G4T5 GE	4	0.17	WH2, Diagram #2 WH41, Diagram #2	WH2, Diagram #1 WH41, Diagram #2	WH6, Diagram #8 WH43, Diagram #8	WH6, Diagram #7 WH43, Diagram #7	N/A	N/A
TUV 4W (G4T5) PHILIPS	4	0.17	WH2, Diagram #2 WH41, Diagram #2	WH2, Diagram #1 WH41, Diagram #1	WH6, Diagram #8 WH43, Diagram #8	WH6, Diagram #7 WH43, Diagram #7	RHA-UNV-228-L	RHA-UNV-228-L
TUV 6W (G6T5) PHILIPS	6	0.16	WH2, Diagram #2 WH41, Diagram #2	WH2, Diagram #1 WH41, Diagram #1	WH6, Diagram #8 WH43, Diagram #8	WH6, Diagram #7 WH43, Diagram #7	RHA-UNV-228-L	RHA-UNV-228-L
G8T5 GE	8	0.145	WH1, Diagram #3	WH2, Diagram #1	N/A	WH6, Diagram #7	RHA-UNV-228-L	RHA-UNV-228-L
TUV 8W (G8T5) PHILIPS	8	0.15	WH1, Diagram #3	WH2, Diagram #1	N/A	WH6, Diagram #7	RHA-UNV-228-L	RHA-UNV-228-L
G11T5 GE	11	0.33	WH2, Diagram #3 WH41, Diagram #3	WH5, Diagram #9 WH43, Diagram #11	N/A	WH8, Diagram #27	SHS1-UNV-C (I) SHS2-MLT-L SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
TUV 11W (G11T5) PHILIPS	11	0.33	WH2, Diagram #3 WH41, Diagram #3	WH5, Diagram #9 WH43, Diagram #11	N/A	WH8, Diagram #27	SHS1-UNV-C (I) SHS2-MLT-L SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
G11T5/4P/SE GE	11	0.33	WH2, Diagram #3 WH41, Diagram #3	WH5, Diagram #9 WH43, Diagram #11	N/A	WH8, Diagram #27	SHS1-UNV-C (I) SHS2-MLT-L SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
TUV 11W 4P-SE (G11T5/4P/SE) PHILIPS	11	0.33	WH2, Diagram #3 WH41, Diagram #3	WH5, Diagram #9 WH43, Diagram #11	N/A	WH8, Diagram #27	SHS1-UNV-C (I) SHS2-MLT-L SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GPH212T5L GPH212T5VH FIRST LIGHT	10	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH212T5L GPH212T5VH LIGHT SOURCES	10	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH287T5L GPH287T5VH FIRST LIGHT	17	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH287T5L GPH287T5VH LIGHT SOURCES	14	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
TUV 16W (T5) PHILIPS	16	0.35	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH5, Diagram #9	N/A	WH8, Diagram #27	SC120-287-CUV SHS1-UNV-C (I) SHS2-MLT-L	SHS1-UNV-C (I)
GPH303T5L GPH303T5VH LIGHT SOURCES	15	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	SC120-287-CUV	N/A
TUV 16W 4P-SE (T5) PHILIPS	16	0.4	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	SC120-287-CUV SHS1-UNV-C (I) SHS2-MLT-L	SHS1-UNV-C (I)
G10T5VH/C LIGHT SOURCES	17	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH357T5L GPH357T5VH FIRST LIGHT	17	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	SC120-287-CUV	N/A
G10T5VH LIGHT SOURCES	17	0.425	WH43, Diagram #10 WH33, Diagram #14 WH42, Diagram #3	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH357T5L GPH357T5VH LIGHT SOURCES	17	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	SC120-287-CUV	N/A

Fulham Approved Ballast / Lamp Combinations

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- FIND THE CORRESPONDING FULHAM BALLAST AND WIRING DIAGRAM IN THE RIGHT COLUMNS, ACCORDING TO NUMBER OF LAMPS AND START TYPE
- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
TUV 18W PHILIPS	18	0.370	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	SC120-287-CUV	N/A
GPH436T5L GPH436T5VH FIRST LIGHT	26	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH436T5L GPH436T5VH LIGHT SOURCES	21	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
TUV 25W 4P-SE (T5) PHILIPS	25	0.35	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10	WH33, Diagram #11 WH44, Diagram #11	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C	SHS14-UNV-H (I)
GSL692T5L GLS692T5VH LIGHT SOURCES	32	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH793T5L GPH793T5VH FIRST LIGHT	38	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH793T5L/4P GE	37	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH793T5L GPH793T5VH LIGHT SOURCES	38	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
TUV 36 4P-SE T5 (G36T5/4P/SE) PHILIPS	40	0.425HF	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11	WH7, Diagram #8	WH7, Diagram #7	N/A	N/A
G36T5LC G36T5VH/C FIRST LIGHT	42	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11 WH44, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
G36T5L/G36T5VH LIGHT SOURCES	41	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GPH843T5L GPH843T5VH LIGHT SOURCES	41	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
G36T5/4P/SE GE	39	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #14 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
G48T5L G48T5VH LIGHT SOURCES	55	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11 WH44, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A

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- WIRING DIAGRAMS FOR WORKHORSE AND FEP MODELS LOCATED ON PAGES 20-21

UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
LINEAR LAMPS (T5)								
GPH1148T5L GPH1148T5VH LIGHT SOURCES	55	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #1 WH45, Diagram #14	WH5, Diagram #11 WH44, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
G64T5L G64T5VH LIGHT SOURCES	75	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22 WH44, Diagram #11	WH8, Diagram #25	N/A	N/A	N/A
GPH1554T5L GPH1554T5VH LIGHT SOURCES	75	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22 WH44, Diagram #11	WH8, Diagram #25	N/A	N/A	N/A
TUV 64 4P-SE T5 PHILIPS	75	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22 WH44, Diagram #11	WH8, Diagram #25	N/A	N/A	N/A
G64T5L/C G64T5VH/C FIRST LIGHT	75	0.45	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22	WH8, Diagram #25	N/A	N/A	N/A
G64T5 GE	65	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22	WH8, Diagram #25	N/A	N/A	N/A
G64T5/4P/SE GE	65	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22	WH8, Diagram #25	N/A	N/A	N/A
G67T5L G67T5VH LIGHT SOURCES	79	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22	WH8, Diagram #25	N/A	N/A	N/A
GPH1630T5L GPH1630T5VH LIGHT SOURCES	79	0.425	WH5, Diagram #14 WH6, Diagram #10 WH43, Diagram #10 WH45, Diagram #14	WH8, Diagram #22	WH8, Diagram #25	N/A	N/A	N/A
T5HO LAMPS								
GPH212T5L/HO GPH212T5VH/HO FIRST LIGHT	18	0.8	WH33, Diagram #12 WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L Diagram #8	FEP-600 Diagram #7	SHS3-MLT-L	N/A
GPH212T5L/HO GPH212T5VH/HO FIRST LIGHT	18	0.8	WH33, Diagram #12 WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	FEP-600, Diagram #7	N/A	N/A
GPH287T5L/HO GPH287T5VH/HO FIRST LIGHT	27	0.8	WH33,Diagram #12 WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	FEP-600, Diagram #7	N/A	N/A
GPH357T5L/HO GPH357T5VH/HO FIRST LIGHT	32	0.8	WH33, Diagram #12 WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	FEP-600, Diagram #7	SHSII-UNV-H	N/A
GPH436T5L/HO GPH436T5VH/HO FIRST LIGHT	42	0.8	WH33, Diagram #12 WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A
GPH436T5L/HO GPH436T5VH/HO LIGHT SOURCES	48	0.8	WH33, Diagram #12 WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A

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UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
T5HO LAMPS								
GPH793T5L/HO GPH793T5VH/HO FIRST LIGHT	72	0.8	WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A
GH036T5L GH036T5VH LIGHT SOURCES	87	0.8	WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A
TUV 36 T5 HO 4P-SE PHILIPS	75	0.8	WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A
G36T5L/HO/C G36T5VH/HO/C FIRST LIGHT	75	0.8	WH5, Diagram #12	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A
GPH846T5L/HO GPH846T5VH/HO LIGHT SOURCES	90	0.8	N/A	WH7, Diagram #11 WH8, Diagram #23	FEP-600L, Diagram #8	N/A	N/A	N/A
GPH893T5L/HO GPH893T5VH/HO LIGHT SOURCES	95	0.8	N/A	WH7, Diagram #11 WH8, Diagram #23	N/A	N/A	N/A	N/A
GPH893T5L/HO GPH893T5VH/HO LIGHT SOURCES	95	0.8	N/A	WH7, Diagram #11 WH8, Diagram #23	N/A	N/A	N/A	N/A
GH064T5VH LIGHT SOURCES	155	0.8	WH7, Diagram #14	FEP-600 Diagram #9	N/A	N/A	N/A	N/A
G64T5L/HO/C G64T5VH/HO/C FIRST LIGHT	145	0.8	WH7, Diagram #14	FEP-600 Diagram #9	N/A	N/A	N/A	N/A
TUV 64 T5 HO 4P-SE PHILIPS	145	0.8	WH7, Diagram #14	FEP-600 Diagram #9	N/A	N/A	N/A	N/A
LINEAR LAMPS (T6)								
GPHHA843T6L LIGHT SOURCES	172	2.1	FEP-600, Diagram #12	N/A	N/A	N/A	SHD21-230-L-I non-dimming	N/A
GPHHA1000T6L LIGHT SOURCES	207	2.1	FEP-600, Diagram #12	N/A	N/A	N/A	SHD21-230-L-I non-dimming	N/A
GPHHA1554T6L LIGHT SOURCES	320	2.1	FEP-600, Diagram #12	N/A	N/A	N/A	N/A	N/A
GIA1554T6LCA FIRST LIGHT	320	2.2	FEP-600, Diagram #12	N/A	N/A	N/A	N/A	N/A
T8 LAMPS								
G10T8 GE	10	0.23	WH2, Diagram #2	WH3, Diagram #1	WH33, Diagram #8	WH33, Diagram #7	RHA-UNV-218-C	RHA-UNV-218-C
TUV 10W (G10T8) PHILLIPS	10	0.23	WH2, Diagram #2	WH3, Diagram #1	WH33, Diagram #8	WH33, Diagram #7	RHA-UNV-218-C	RHA-UNV-218-C
G15T8 GE/PHILLIPS	15	0.305	WH2, Diagram #3 WH3, Diagram #2	WH33, Diagram #9 WH5, Diagram #9	NA	NA	RHA-UNV-226-C	RHA-UNV-226-C
TUV 15W (T8) PHILIPS	15	0.34	WH33, Diagram #14	WH33, Diagram #9	WH8, Diagram #25	WH8, Diagram #27	RHA-UNV-226-C	RHA-UNV-226-C
G37T6L G37T6VH FIRST LIGHT	40	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH5, Diagram #11 WH44, Diagram #11	WH7, Diagram #8	WH7, Diagram #7	N/A	N/A
G30T8/(TUV 30W) GE/PHILIPS	30	0.355	WH33, Diagram #14	WH5, Diagram #9	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C SHS14-UNV-H (I)	SHS14-UNV-H (I)

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UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
T8HO LAMPS								
G25T8/ (TUV 25W) GE/PHILIPS	25	0.58	WH33, Diagram #10	WH7, Diagram #9	WH8, Diagram #26	FEP-600 Diagram #7	N/A	N/A
TUV 25W (G25T8) PHILIPS	25	0.6	WH33, Diagram #10	WH7, Diagram #9	WH8, Diagram #26	FEP-600 Diagram #7	N/A	N/A
G55T8/HO (TUV 55W HO) GE	55	0.77	WH33, Diagram #12	WH7, Diagram #11	FEP-600L Diagram #8	N/A	SHS15-UNV-H	SHS15-UNV-H
TUV 55W HO (G55T8/HO) PHILIPS	55	0.77	WH33, Diagram #12	WH7, Diagram #11	FEP-600L Diagram #8	N/A	SHS15-UNV-H	SHS15-UNV-H
TUV 75W HO (T8) PHILIPS	75	0.84	WH33, Diagram #13	WH7, Diagram #11	FEP-600L Diagram #8	N/A	SHS15-UNV-H	SHS15-UNV-H
T10 & T12HO								
G20T10 GE	19	0.36	WH33, Diagram #14 WH42, Diagram #3	WH5, Diagram #9 WH44, Diagram #11	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
G40T10 GE	40	0.42	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #11	WH5, Diagram #11 WH44, Diagram #11	WH7, Diagram #8	WH7, Diagram #7	SHS1-UNV-C (I) SHS5-024-C	N/A
TUV 115W VHO (T12) PHILIPS	115	1.5	WH7, Diagram #13 WH8, Diagram #20	FEP120-600L, Diagram #11	N/A	N/A	N/A	N/A
TWIN TUBE LAMPS								
PL TUV 9W PHILIPS	9	0.17	WH2, Diagram #2	WH4, Diagram #1	WH6, Diagram #8	WH6, Diagram #7	RHA-UNV-213-C	RHA-UNV-213-C
PLL TUV 18W PHILIPS	18	0.37	WH33, Diagram #14	WH5, Diagram #9	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
GBX18/UVC/2G11 GE	18	0.38	WH33, Diagram #14	WH5, Diagram #9	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C	SHS1-UNV-C (I) SHS5-024-C
PLL TUV 35W HO PHILIPS	35	0.85	WH33, Diagram #13	WH8, Diagram #24	FEP-600-L Diagram #8	N/A	N/A	N/A
GBX36/UVC/2G11 GE	36	0.44	WH33, Diagram #14	WH5, Diagram #9	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C SHS14-UNV-H (I)	SHS14-UNV-H (I)
PLL TUV 36W PHILIPS	36	0.44	WH33, Diagram #14	WH5, Diagram #9	WH8, Diagram #25	WH8, Diagram #27	SHS1-UNV-C (I) SHS5-024-C SHS14-UNV-H (I)	SHS14-UNV-H (I)
PLL TUV 60W HO PHILIPS	60	0.67	WH5, Diagram #10 WH45, Diagram #10	WH8, Diagram #23	WH8, Diagram #26	FEP-600-L, Diagram #7	N/A	N/A
PLL TUV 55W PHILIPS	55	0.54HF	WH43, Diagram #12	WH45, Diagram #11	WH8, Diagram #26	N/A	N/A	N/A
GBX55/UVC/2G11 GE	55	0.55	WH43, Diagram #12	WH45, Diagram #11	WH8, Diagram #26	N/A	N/A	N/A
PLL TUV 95W HO PHILIPS	95	0.95	WH5, Diagram #12 WH8, Diagram #17	WH8, Diagram #24	FEP-600-L, Diagram #8	N/A	SHS10-UNV-H	N/A

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UV C LAMPS/ GERMICIDAL	WATTS	LAMP ARC CURRENT (mA)	INSTANT START BALLAST/WIRING DIAGRAM #				RAPID/PROGRAM START BALLAST	
			1 LAMP	2 LAMP	3 LAMP	4 LAMP	1 LAMP	2 LAMP
U-SHAPED LAMPS								
GU76-10T5L GU76- 10T5VH LIGHT SOURCES	17	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GU22-10T5L GU22- 10T5VH LIGHT SOURCES	17	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH33, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GU22-390T5L GU22- 390T5VH LIGHT SOURCES	36	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GU76-390T5L GU76- 390T5VH LIGHT SOURCES	37	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GU76-36T5L GU76- 36T5VH LIGHT SOURCES	41	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A
GU22-36T5L GU22- 36T5VHL LIGHT SOURCES	41	0.425	WH33, Diagram #14 WH42, Diagram #3 WH43, Diagram #10 WH45, Diagram #14	WH5, Diagram #11	WH8, Diagram #25	WH7, Diagram #7	N/A	N/A

Fulham Approved Ballast / Lamp Combinations

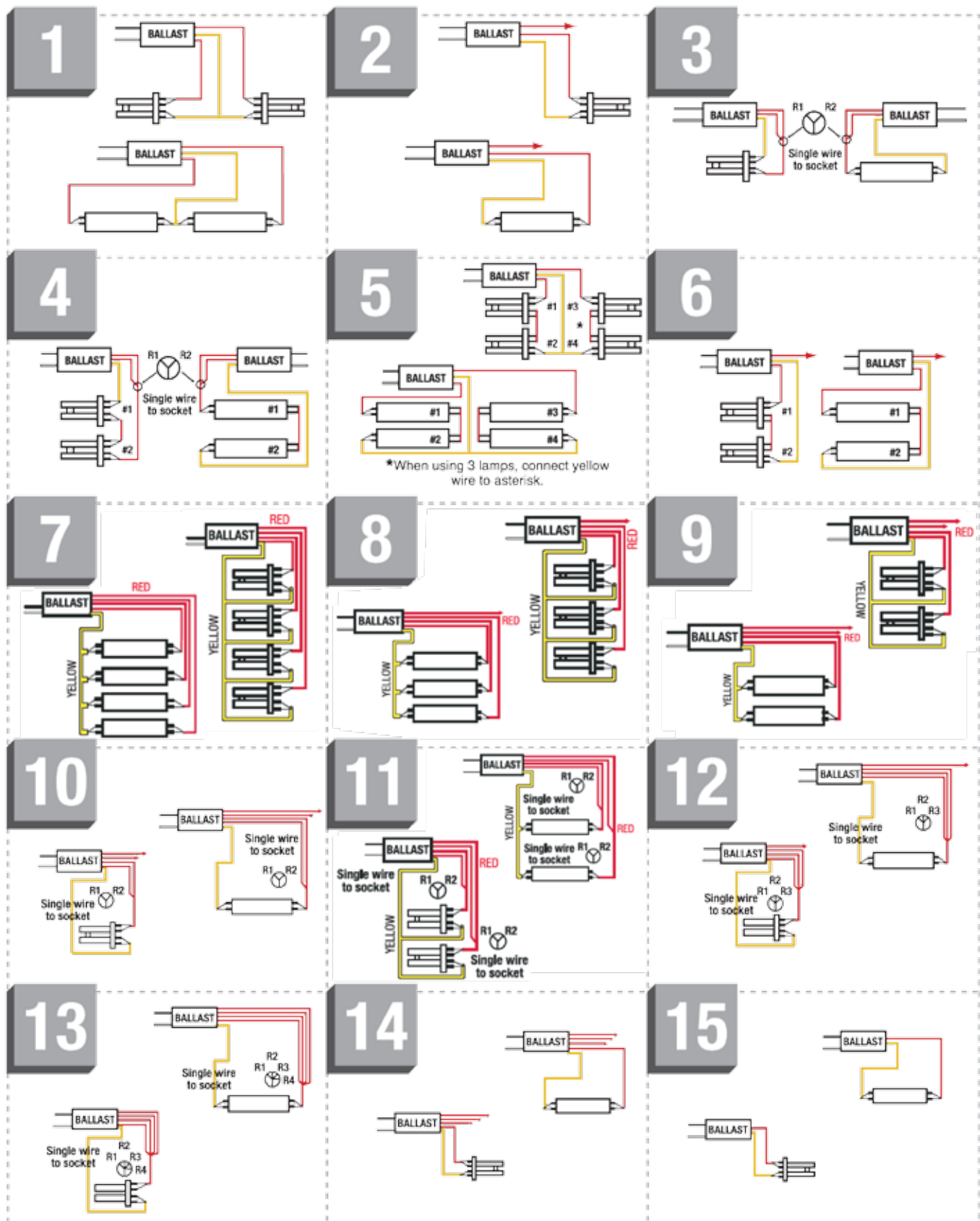
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UV B LAMPS	WATTS	LAMP ARC CURRENT (mA)	IS BALLAST/WIRING DIAGRAM #			
			1 LAMP	2 LAMP	3 LAMP	4 LAMP
TANNING LAMPS T12HO						
F59 T12HO	85	0.8	N/A	N/A	SHGS6-MID-4-120-N	SHGS6-MID-4-120-N
F64 T12HO	80	0.8	N/A	N/A	SHGS6-MID-4-120-N	SHGS6-MID-4-120-N
F71 T12HO	100	0.8	N/A	N/A	SHGS6-MID-4-120-N	SHGS6-MID-4-120-N
F72 T12HO	100	0.8	N/A	N/A	SHGS6-MID-4-120-N	SHGS6-MID-4-120-N
F73 T12HO	100	0.8	N/A	N/A	SHGS6-MID-4-120-N	SHGS6-MID-4-120-N
F79 T12HO	120	0.8	N/A	N/A	SHGS6-MID-4-120-N	SHGS6-MID-4-120-N
F84 T12HO	100	0.8	WH5, Diagram #12	FEP-600-L Diagram #9	FEP-600-L Diagram #8	N/A
TANNING LAMPS T12VHO						
F79 T12VHO	200	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F59 T12VHO	140	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F60 T12VHO	135	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F71 T12VHO	160	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F72 T12VHO	165	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F73 T12VHO	160	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F74 T12VHO	200	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F79 T12VHO	180	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A
F79 T12VHO	200	1.5	SHGS5-MID-2-200-N	SHGS5-MID-2-200-N	N/A	N/A

FULHAM UV BALLASTS - OPERATION & INSTALLATION TIPS

1. Connect both pin sets of the socket before connecting "RED" & "YELLOW" wires.
2. Ground case in accordance with the "National Electric Code"
3. With Linear lamp use a starting aid.
4. Ballast case temperature cannot exceed 70°C
5. Remote mounting distance varies with lamp type. Contact customer service.
6. Ballast cannot be used with dimmer switch but can be used with occupancy sensor. (Note: Sensor will shorten lamp life.)

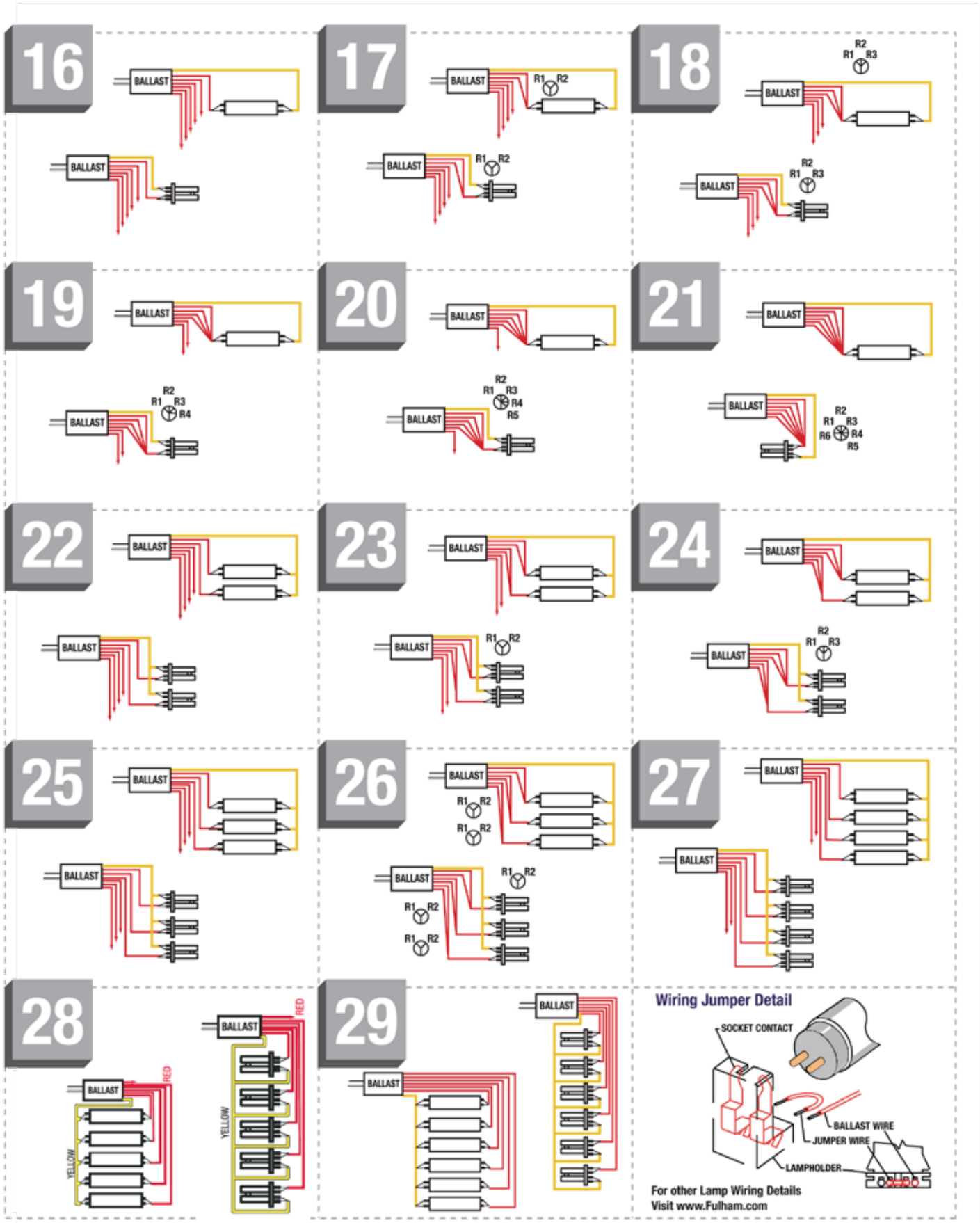
7. Cap and insulate any unused red power wire. → = Cap
8. When connecting two red power wires, they must be joined to make one wire before attaching to the socket
9. BLS (Black Leads with Studs) dimensions
Stud length: 5/8", Stud Size: 8/32, Center to Center 2"
10. Running lamps in series will reduce the turn-on cycles of both lamps. (Configuration diagrams 4, 5, 6)



NOTE: WIRING DIAGRAMS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE. PLEASE REFER TO WWW.FULHAM.COM FOR DETAILS

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