



# UNIVERSAL VOLTAGE 120-277V WORKHORSE BALLAST LAMP COMPATIBILITY CHARTS & WIRING DIAGRAMS

	WH41	WH42	WH43	WH44	WH45
<b>QUAD (CFQ)</b>					
13 x 1	2				
13 x 2	1	1			
13 x 3			8		
13 x 4			7	7	
18 x 1	2	2			
18 x 2		1	9	9	
18 x 3			8	8	
18 x 4				7	7
26 x 1	3		14	14	
26 x 2			11		9
26 x 3					8
26 x 4					7
<b>TRIPLE (CFTR)</b>					
13 x 1	2				
13 x 2	1	1			
13 x 3			8		
13 x 4			7	7	
18 x 1	2	2			
18 x 2		1	9	9	
18 x 3			8	8	
18 x 4				7	7
26 x 1	3		14	14	
26 x 2			11		9
26 x 3					8
26 x 4					7
32 x 1	3	3		14	
32 x 2			11		9
32 x 3					8
42 x 1	3	3		14	
42 x 2			11		
<b>TWIN (CFT/FT)</b>					
13 x 1	3	2	14		
13 x 2				9	
13 x 3					8
13 x 4					7
18 x 1	3	3		14	
18 x 2			11		9

	WH41	WH42	WH43	WH44	WH45
18 x 3					8
24/27 x 1	3		14	14	
24/27 x 2			11		9
24/27 x 3					8
36/39 x 1	3	3	10		14
36/39 x 2			11	11	9
40 x 1	3	3		14	14
40 x 2			11		9
40 x 3					8
50 x 1	3	3	10		14
50 x 2			11	11	9
55 x 1			12	10	
<b>T9 CIRCLINE</b>					
20W x 1	3	3		14	
22W x 1	3	3		14	
32W x 1		3	10		14
40W x 1	3	3			14
1X22/32W			11	11	9
1x32/40W			11	11	9
<b>T-5 CIRCLINE</b>					
22W x 1	3		14	14	
40W x 1	3	3	10	14	14
55W x 1			12	12	10
<b>T8 U-Bend</b>					
FB016 x 1	2	2	14		
FB016 x 2	1	1	9	9	
FB016 x 3			8	8	
FB016 x 4			7	7	
FB024 x 1	2	2	14		
FB024 x 2	1	1	9	9	
FB024 x 3			8	8	
FB024 x 4			7	7	
FB031 x 1	2	2	14		
FB031 x 2	1	1	9	9	
FB031 x 3			8	8	
FB031 x 4			7	7	
<b>T5 LINEAR</b>					
4 X 1	2				

##

All above combinations are High Power Factor, with the exception of the dark background items which are Power Factor Corrected at 277V line.

	WH41	WH42	WH43	WH44	WH45
4 x 2	1	1			
4 x 3			8		
4 x 4			7	7	
6 X 1	2				
6 x 2	1	1			
6 x 3			8		
6 x 4			7	7	
8 x 2	1				
8 x 4			7		
13 X 1	2				
13 x 2	1	1	9		
13 x 3			8		
13 x 4			7	7	
14 X 1	2				
14 x 2	1	1	9		
14 x 3			8		
14 x 4			7	7	
21 X 1	2				
21 x 2	1	1	9		
21 x 3			8	8	
21 x 4			7	7	
28 X 1	2				
28 x 2	1		9		
28 x 3			8	8	
<b>T5 HO LINEAR</b>					
24 X 1	3		14	14	
24 x 2			11	11	9
24 x 3					8
24 x 4					7
39 X 1	3	3		14	14
39 x 2			11	11	9
39 x 3					8
54 X 1			10	10	
<b>T6 LINEAR</b>					
F42 x 1	2	2	14		
42 x 2			9	9	
42 x 3			8	8	
42 x 4			7	7	7
<b>T8 LINEAR</b>					
13 X 1	3	3	14	14	
13 x 2			11		9

	WH41	WH42	WH43	WH44	WH45
13 x 3					8
13 x 4					7
15 X 1	3	2	14	14	
15 x 2			11	9	
15 x 3					8
15 x 4					7
17 x 1	2	2	14		
17 x 2	1	1	9	9	
17 x 3			8	8	
17 x 4			7	7	7
18 x 1	3		14	14	
18 x 2			11		9
18 x 3					8
18 x 4					7
25 x 1	2	2	14		
25 x 2	1	1	9	9	
25 x 3			8	8	
25 x 4			7	7	7
30 X 1	3		14	14	
30 x 2	1		11		9
30 x 3					8
30 x 4					7
32 x 1	2	2	14		
32 x 2		1	9	9	
32 x 3			8	8	
32 x 4			7	7	7
F32 25W x 1	2	2	14		
F32 25W x 2	1	1	9	9	
F32 25W x 3			8	8	
F32 25W x 4			7	7	7
F32 28W x 1	2	2	14		
F32 28W x 2	1	1	9	9	
F32 28W x 3			8	8	
F32 28W x 4			7	7	7
F32 30W x 1	2	2	14		
F32 30W x 2	1	1	9	9	
F32 30W x 3			8	8	
F32 30W x 4			7	7	7
40 x 1	2	2	14		
40 x 2			9	9	
40 x 3			8	8	

##

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	WH41	WH42	WH43	WH44	WH45
72 x 1	2	2	14		
72 x 2			9	9	
48H0 x 1		3	10		14
48H0 x 2				11	9
60H0 x 1			10		14
60H0 x 2				11	9
72H0 x 1			10		14
72H0 x 2					9
<b>T10 LINEAR</b>					
40 x 1	3	3	10		14
40 x 2			11	11	9
40 x 3					8
<b>T12 LINEAR</b>					
14 X 1	3			14	
14 x 2			11		9
14 x 3					8
15 X 1	3		14	14	
15 x 2				9	
15 x 3					8
15 x 4					7
20 x 1	3	3	14	14	
20 x 2			11		9
20 x 3					8
20 x 4					7
24 x 1	3	3	10	14	14
24 x 2			11	11	9
24 x 3					8
25 x 1	3	3	10		14
25 x 2			11	11	9
30 X 1	3	3	10	14	14
30 x 2			11	11	9
30 x 3					8
36 x 1	3	3	10	14	14
36 x 2			11	11	9
36x 3					8
40 x 1	3	3	10	14	14
40 x 2			11	11	9
40 x 3					8
42 x 1	3	3	10	14	14
42 x 2			11	11	9
42 x 3					8

	WH41	WH42	WH43	WH44	WH45
48 x 1	3	3	10	14	14
48 x 2			11	11	9
48 x 3					8
60 x 1	3	3	10	14	14
60 x 2			11	11	9
60 x 3					8
64 x 1	3	3	10	14	14
64 x 2			11	11	9
64 x 3					8
72 x 1	3		10	14	14
72 x 2					9
84 x 1			10	14	14
84 x 2					9
96 x 1			10	14	14
96 x 2					9
<b>T12 HO LINEAR</b>					
18 x 1			13	12	10
18 x 2					11
24 X 1			13	12	10
24 x 2					11
30 X 1			13	12	10
30 x 2					11
36 x 1			13	12	10
36 x 2					11
42 x 1			13	12	10
42 x 2					11
48 x 1			13	12	10
48 x 2					11
60 x 1			13	12	10
64 x 1			13	12	10
72 x 1			13	12	10
84 x 1			13	12	10
96 x 1				12	10

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**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 can not exceed 70°C.
5. Remote mounting distance varies with lamp type.  
Contact Fulham Client Services.
6. Ballast can not 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 (Back Leads With Studs) Dimensions: Stud Length: 5/8", Stud Size: 8/32, Center to Center: 2"

