

# LAMP CHART

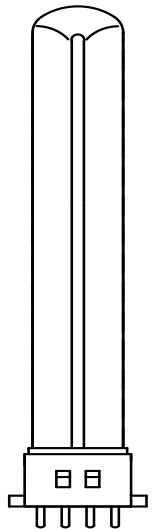
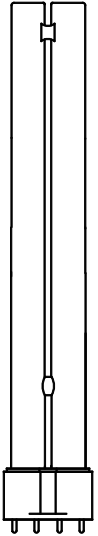
## BALLAST DIMENSIONS PG. 10

1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
<b>TWIN</b>																								
1 X 5W	3	2				2										15	2	3	2		2			
2 X 5W			1			1		9											1		1			9
3 X 5W								8																8
4 X 5W					7			7															7	7
1 X 7W	3	2														15	2	3	2					
2 X 7W		1				1		9									1		1		1			9
3 X 7W								8																8
4 X 7W								7																7
1 X 9W	3	2														15	2	3	2					
2 X 9W		1				1											1		1		1			
3 X 9W								8																8
4 X 9W								7																7
1 X 11W	3															15	2	3						
2 X 11W		1				1											1		1		1			
3 X 11W								8																8
4 X 11W								7																7
1 X 13W		3	2	2		2		14			3	2*	14*			3		3	2	2				14
2 X 13W			1	1	9			11					9							1			9	11
3 X 13W					8		8							8*										8
4 X 13W					7		7							7										7
1 X 18W		3	2	2	14	2		14			3	3		14*		3		3	2	2				14
2 X 18W			1	1	9			9					11	9*						1			9	9
3 X 18W					8		8							8										8
4 X 18W							7																	7
1 X 24W		3	2	2	14	3		14								3		3	2	3		14	14	
2 X 24W				1	9			9	11											1			9	11
3 X 24W								8																8
1 X 27W		3	2	2	14	3		14								3		3	2	3		14	14	
2 X 27W					9			9	11														9	11
1 X 24/27W											3		14*	14*										
2 X 24/27W													11	9										
3 X 24/27W														8										
1 X 28W PA				3	14			10													3		14	10
2 X 28W PA					11																		11	
1 X 36/39W			2	2	14	3		10			3	3	10	14*							2	3	14	10
2 X 36/39W								9	11				11	11	9								9	11
3 X 36/39W																								8
4 X 36/39W																								7
5 X 36/39W																								28
6 X 36/39W																								29
1 X 40W				2	14	2		14			3	3		14	14						2	2		14
2 X 40W								9	11				11	9										9
3 X 40W								8		8				8										8
4 X 40W																								7
5 X 40W																								28
1 X 50W				3	14	3		14	10		3	3	10	14							3	3	14	10

**4 PIN ONLY**

**TWIN**



**NOTE:** For Canadian WorkHorse (CWH) and Canadian LongHorse (CLH) ballasts, please refer to lamp sizes T6 and higher.

\* Power Corrected at 277V

**REVISED JAN 2018**  
See website for latest.

**Fulham Co., Inc.**  
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**FULHAM**  
Lighting... Global. Clever. Sustainable.

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# LAMP CHART

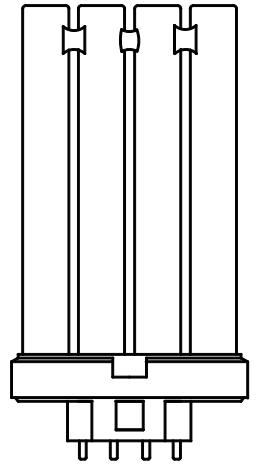
## BALLAST DIMENSIONS PG. 10

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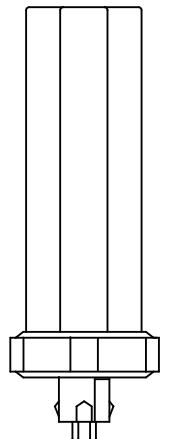
LAMPS	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
2 X 50W							11	11		22			11	11	9								9	11
3 X 50W									8	25														
4 X 50W									7	27														
1 X 55W				3	10		10	12		16			12	10						3		10	12	
2 X 55W							11			9													11	
3 X 55W									8	26														
1 X 55W PA					10			13															12	13
2 X 55W PA										23														
3 X 55W PA										26														
1 X 96W										17													12	
2 X 96W										24														
<b>FLAT QUAD</b>																								
1 X 18W		3	2	2	14	3		14								3		3	2	3	14	14		
2 X 18W					9		9	11														9	11	
3 X 18W							8																8	
1 X 24W		3	2	2	14	3		14								3		3	2	3			14	
2 X 24W				1	9		9	11												1		9	11	
3 X 24W							8																8	
1 X 28 PA				3	10															3		10	13	
1 X 36W				2	14	3	14	10												2	3	14	10	
2 X 36W					9		9	11														9	11	
3 X 36W										25														
1 X 55 PA					10			13															12	13
1 X 96 PA																							12	
<b>QUAD</b>																								
1 X 10W	3					2										15	2	3	2		2			
2 X 10W						1		9												1		1		9
3 X 10W								8																8
4 X 10W					7			7																7
1 X 13W	3	2									2					15	2	3	2					
2 X 13W		1				1					1	1				1			1		1			
3 X 13W								8				8												8
4 X 13W								7				7	7											7
1 X 18W	3	2				2					2	2				15	2	3	2		2			
2 X 18W				1		1		9				1	9	9						1	1			9
3 X 18W					8		8	8					8	8										8
4 X 18W							7						7	7										7
1 X 26W		3	2	2	14	3		14			3		14*	14*		3		3	2	3			14	
2 X 26W					9		9	11					11	9						1		9	11	
3 X 26W							8							8									8	
4 X 26W							7							7									7	
1 X 27W PA					10			13															10	13
<b>TRIPLE</b>																								
1 X 13W	3	2									2					15	2	3	2					
2 X 13W		1				1					1	1				1			1		1			
3 X 13W								8					8											8

### 4 PIN ONLY

#### FLAT QUAD



#### QUAD



\* Power Corrected at 277V

# LAMP CHART

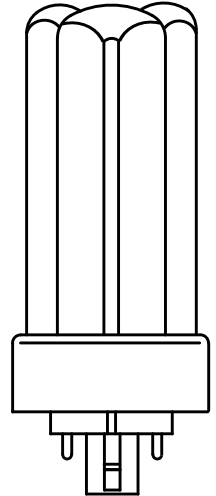
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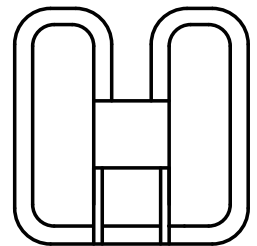
LAMPS	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE									
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6		
4X13W								7					7	7										7	
1X18W	3	2				2					2	2				15	2	3	2			2			
2X18W				1								1	9	9						1				9	
3X18W					8								8	8										8	
4X18W							7							7	7									7	
1X26W		3	2	2	14	3		14			3		14*	14*			3		3	2	3		14		
2X26W					9		9	11					11		9								9	11	
3X26W							8								8									8	
4X26W							7								7									7	
1X32W		3	2	2	14	3		14			3	3		14*					3	2	3	14	14		
2X32W					9		9	11					11		9								9	11	
3X32W							8								8									8	
1X42W											3	3		14											
2X42W													11												
<b>2-D</b>																									
1X10W	3	2														15	2	3	2						
2X10W		1				1			9								1		1		1			9	
3X10W									8															8	
4X10W									7															7	
1X16W	3	2				2										15	2	3	2			2			
2X16W		1	1						9															9	
3X16W									8															8	
4X16W					7		7	7															7	7	
1X21W		2				2													2			2			
2X21W				1					9												1			9	
3X21W					8		8	8															8	8	
4X21W							7																7		
1X28W		3	2	2		2		14									3		3	2	2		14		
2X28W				1	9		9	11													1		9	11	
3X28W							8																	8	
4X28W							7																	7	
1X38W				2	14	3	14	14													2	3	14	14	
2X38W							9	11																9	11
4X38W									7																
1X55W					12		12	14																12	
<b>T9 CIRCLINE</b>																									
1X20W		3	2	2	14	3		14			3	3		14*			3		3	2	3	14	14		
2X20W					9		9	11															9	11	
4X20W									7																
1X22W		3	2	2	14	3		14			3	3		14*			3		3	2	3	14	14		
2X22W					9		9	11															9	11	
4X22W									7																
1X32W			3	3	14			10				3	10		14*					3		14	10		
2X32W					11		9																11		
3X32W									8																
4X32W									7																

### 4 PIN ONLY

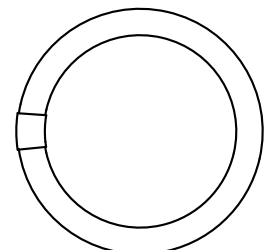
#### TRIPLE



#### 2-D



#### T9 CIRCLINE



\* Power Corrected at 277V

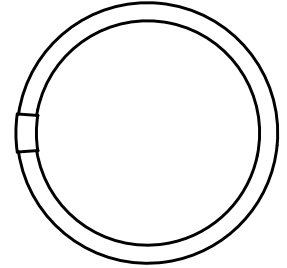
# LAMP CHART

## BALLAST DIMENSIONS PG. 10

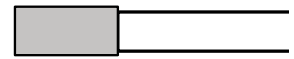
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	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
1 X 40W				2	14	3	14	10			3	3			14*					2	3	14	10	
2 X 40W							9	11														9	11	
3 X 40W									8															
4 X 40W									7															
1 X 22-32				1			9	11					11	11	9					1		9	11	
1 X 32-40							11						11	11	9								11	
<b>T5 CIRCLINE</b>																								
1 X 22W		3	2	2	14	3		14			3		14*	14*			3		3	2	3		14	
2 X 22W					9		9	11														9	11	
3 X 22W					8		8															8		
1 X 40W				2	14	3		14			3	3	10	14	14					2	3	14	14	
2 X 40W							9	11														9	11	
1 X 55W OS				3	10			12					12	12	10					3			12	
2 X 55W OS							11		9													11		
1 X 22-40							9	11												1		9	11	
<b>T2 LINEAR</b>																								
1 X F6	2																		2					
2 X F6	1																		1					
1 X F8	2																		2					
2 X F8	1																		1					
1 X F11	2																		2					
2 X F11	1																		1					
1 X F13	2																		2					
2 X F13	1																		1					
<b>T5 LINEAR</b>																								
1 X F4	3										2*					15	2	3	2					
2 X F4		1				1					1*	1*					1		1		1			
3 X F4								8					8*										8	
4 X F4								7					7*	7*									7	
1 X F6	3										2*					15	2	3	2					
2 X F6		1				1					1	1					1		1		1			
3 X F6								8					8*										8	
4 X F6								7					7*	7*									7	
1 X F8	2															15	2	2	2					
2 X F8		1				1					1						1		1		1			
4 X F8								7					7										7	
1 X F13	3	2									2					15	2	3	2					
2 X F13		1				1					1	1	9*				1		1		1			
3 X F13								8					8										8	
4 X F13								7					7	7									7	
1 X F14	3	2									2					15	2	3	2					
2 X F14		1				1					1	1	9				1		1		1			
3 X F14								8					8										8	
4 X F14								7					7	7									7	
1 X F21	3	2									2					15	2	3	2					
2 X F21		1				1					1	1	9				1		1		1			

### T5 CIRCLINE



### T2 LINEAR



1/4" DIAMETER

### T5 LINEAR



5/8" DIAMETER

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	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
3 X F21								8					8	8										8
4 X F21								7					7	7										7
1 X F28	3	2									2					15	2	3	2					
2 X F28						1					1	9					1		1		1			
3 X F28								8					8	8										8
4 X F28								7																7
1 X F35																15			2					
2 X F35						1															1			
3 X F35								8																8
4 X F35								7																7
<b>T5 HO LINEAR</b>																								
1 X F24 HO		3	2	2	14	3		14			3		14*	14*					3	2	3			14
2 X F24 HO				1	9		9	11					11	11	9						1		9	11
3 X F24 HO							8								8								8	
4 X F24 HO							7								7								7	
5 X F24 HO																								
6 X F24 HO																								
1 X F39 HO				2	14	3		14			3	3		14	14						2	3	14	14
2 X F39 HO							9	11					11	11	9						1		9	11
3 X F39 HO							8								8								8	
4 X F39 HO									7						7									
5 X F39 HO																								
1 X F54 HO				3	14		14	12					10	10							3		14	12
2 X F54 HO							11																11	
3 X F54 HO																								
4 X F54 HO									7															
1 X F80 HO								12															10	12
2 X F80 HO									9															
<b>T5 UV LINEAR</b>																								
1 X 90W							12																	
1 X 110W							12																	
<b>T6 UV LINEAR</b>																								
1 X 38W							12																	
2 X 50W							12																	
3 X 55W							12																	
4 X 90W									10															
1 X 120W									10															
2 X 150W									10															
<b>T6 SLIMLINE</b>																								
1 X F42	3	2				2					2	2	14*						3	2		2		
2 X F42				1		1		9					9	9							1	1		9
3 X F42								8					8	8									8	
4 X F42								7					7	7	7								7	
1 X F64						2																2		
2 X F64						1		9														1		9
3 X F64								8																8

### T5 LINEAR



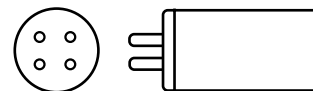
5/8" DIAMETER

### T5 HO



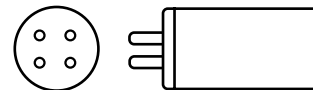
5/8" DIAMETER

### T5 UV LINEAR



5/8" DIAMETER

### T6 UV LINEAR



3/4" DIAMETER

### T6 SLIMLINE



3/4" DIAMETER

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	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
<b>T8 LINEAR</b>																								
1 X F13		3	2	2	14	3		14			3	3*	14*	14*			3		3	2	3			14
2 X F13				1	9				11				11*		9*					1			9	11
3 X F13					8		8								8*								8	
4 X F13							7		7	27					7*									
5 X F13										28														
6 X F13										29														
1 X F14		3	2	2	14	3		14									3		3	2	3	14	14	
2 X F14					9				11														9	11
3 X F14							8			25													8	
4 X F14							7		7	27														
5 X F14										28														
6 X F14										29														
1 X F15		3	2	2		3		14			3	2	14*	14*			3		3	2	3			14
2 X F15			1	1	9				11				11*	9*						1			9	11
3 X F15					8		8								8								8	
4 X F15					7		7								7								7	
5 X F15										28														
6 X F15										29														
1 X F17		3		2		2					2	2	14*				3		3	2	2			
2 X F17			1	1					9		1	1	9*	9						1				9
3 X F17					8		8						8	8									8	
4 X F17					7		7						7	7	7								7	
6 X F17										29														
1 X F18		3	2	2	14	3		14			3		14*	14*			3		3	2	3			14
2 X F18					9		9		11				11		9								9	11
3 X F18							8			25					8								8	
4 X F18							7			27					7									
5 X F18										28														
6 X F18										29														
1 X F25		3		2		2					2	2	14*				3		3	2	2			
2 X F25				1					9		1	1	9	9						1				9
3 X F25							8						8	8									8	
4 X F25							7						7	7	7								7	
6 X F25										29														
1 X F30		3	2	2	14	3		14			3		14*	14*					3	2	3			14
2 X F30					9		9		11		1		11		9								9	11
3 X F30							8			25					8								8	
4 X F30							7		7	27					7									
5 X F30										28														
6 X F30										29														
1 X F32		3		2		2					2	2	14						3	2	2			
2 X F32				1					9			1	9	9						1				9
3 X F32							8						8	8									8	
4 X F32							7						7	7	7								7	
6 X F32										29														

### T8 LINEAR



1" DIAMETER

\* Power Corrected at 277V

# LAMP CHART

## BALLAST DIMENSIONS PG. 10

1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
1 X F25/32											2	2	14											
2 X F25/32											1	1	9	9										
3 X F25/32													8	8										
4 X F25/32													7	7	7									
1 X F28/32											2	2	14											
2 X F28/32											1	1	9	9										
3 X F28/32													8	8										
4 X F28/32													7	7	7									
1 X F30/32											2	2	14											
2 X F30/32											1	1	9	9										
3 X F30/32													8	8										
4 X F30/32													7	7	7									
1 X F40				2		2					2	2	14							2	2			
2 X F40								9					9	9										9
3 X F40													8	8										8
1 X F58									10															10
2 X F58							11			22														11
3 X F58									8															
1 X F70								10																10
2 X F70										22														11
<b>T8 SLIMLINE</b>																								
1 X F72						2					2	2	14								2			
2 X F72						1		9					9	9							1			9
3 X F72								8																8
4 X F72								7																7
<b>T8 U-LAMP</b>																								
1 X FB016											2	2	14*											
2 X FB016											1	1	9*	9										
3 X FB016													8	8										
4 X FB016													7	7										
1 X FB024											2	2	14*											
2 X FB024											1	1	9	9										
3 X FB024													8	8										
4 X FB024													7	7										
1 X FB031											2	2	14*											
2 X FB031											1	1	9	9										
3 X FB031													8	8										
4 X FB031													7	7										
<b>T8 HO</b>																								
1 X F48 HO				3	14		14	10				3	10		14						3		14	10
2 X F48 HO										22				11	9									11
3 X F48 HO									8	25														
4 X F48 HO										27														
1 X F60 HO				3	14		14	10					10		14						3		14	10
2 X F60 HO										22				11	9									11
3 X F60 HO									8	25														

### T8 LINEAR



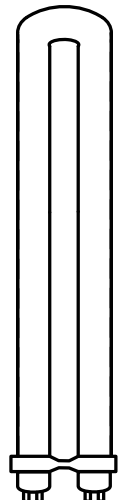
1" DIAMETER

### T8 SLIMLINE

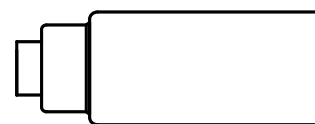


1" DIAMETER

### T8 U-LAMP



### T8 HO



1" DIAMETER

\* Power Corrected at 277V

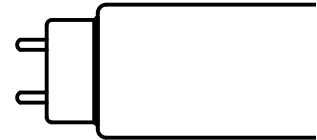
# LAMP CHART

## BALLAST DIMENSIONS PG. 10

1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

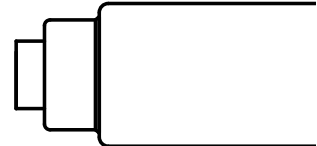
LAMPS	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
4 X F60 HO																								
1 X F72 HO				3	14		14	10					10		14						3		14	10
2 X F72 HO															9									
3 X F72 HO									8						25									
<b>T10 LINEAR</b>																								
1 X F40				3	14	3		10			3	3	10		14*						3	3	14	10
2 X F40								11					11	11	9								11	11
3 X F40															8									
4 X F40																								
5 X F40																								
<b>T10 VHO</b>																								
1 X F48 HO									12	19														
1 X F60 HO									12	19														
1 X F72 HO									12	19														
1 X F96 HO										19														
<b>T12 LINEAR</b>																								
1 X F14		3	2	2	14	3	14	10			3			14*			3		3	2	3	14	10	
2 X F14					9		9	11					11*		9*							9	11	
3 X F14															8*									
4 X F14									7	27														
5 X F14										28														
6 X F14										29														
1 X F15		3	2	2		3		14			3		14*	14*			3		3	2	3		14	
2 X F15				1	9		9	11						9*						1		9	11	
3 X F15					8		8								8*							8		
4 X F15							7			27					7							7		
5 X F15										28														
6 X F15										29														
1 X F20		3	2	2	14	3		14			3	3	14*	14*			3		3	2	3	14	14	
2 X F20					9		9	11					11		9*							9	11	
3 X F20							8								8									
4 X F20							7	7		27					7									
5 X F20										28														
6 X F20										29														
1 X F25			3	3	14		14	10			3	3	10*		14*						3		14	10
2 X F25					11		9			22			11	11	9							11		
3 X F25									8	25														
4 X F25									7	27														
1 X F30			3	3	14	3	14	10			3	3	10	14*	14*						3	3	14	10
2 X F30					11		9	11		22			11	11	9							11	11	
3 X F30									8	25					8									
4 X F30									7	27														
5 X F30										28														
1 X F40				3	14	3	14	10			3	3	10	14*	14*						3	3	14	10
2 X F40							9	11		22			11	11	9							11	11	
3 X F40									8	25					8									

### T10 LINEAR



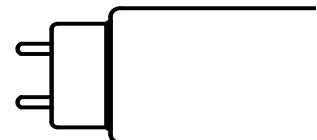
1 1/4" DIAMETER

### T10 VHO



1 1/4" DIAMETER

### T12 LINEAR



1 1/2" DIAMETER

\* Power Corrected at 277V



# LAMP CHART

## BALLAST DIMENSIONS PG. 10

1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

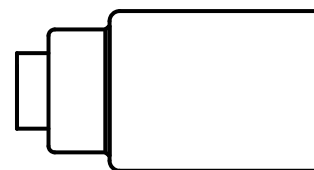
	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
4 X F40									7	27														
5 X F40										28														
<b>T12 SLIMLINE</b>																								
1 X F24			3		14	3	14	10			3	3	10*	14*	14*		3				3	14	10	
2 X F24					11		9	11		22			11	11	9*								11	11
3 X F24									8	25					8									
4 X F24									7	27														
5 X F24										28														
1 X F36				3	14	3	14	10			3	3	10*	14*	14*						3	3	14	10
2 X F36					11		9	11		22			11	11	9								11	11
3 X F36									8	25					8									
4 X F36									7	27														
5 X F36										28														
1 X F42				3	14	3		10			3	3	10	14*	14*						3	3	14	10
2 X F42								11		22			11	11	9								11	11
3 X F42									8	25					8									
4 X F42									7	27														
5 X F42										28														
1 X F48				3	14	3	14	10			3	3	10	14*	14*						3	3	14	10
2 X F48							9	11		22			11	11	9								11	11
3 X F48									8	25					8									
4 X F48									7	27														
5 X F48										28														
1 X F60				2	14	3	14	10			3	3	10	14	14						2	3	14	10
2 X F60							9	11		22			11	11	9								11	11
3 X F60									8	25					8									
4 X F60									7	27														
1 X F64				2	14	3	14	10			3	3	10	14	14						2	3	14	10
2 X F64							9	11		22			11	11	9								11	11
3 X F64									8	25					8									
4 X F64									7	27														
1 X F72				2	14	3	14	10			3		10	14	14						2	3	14	10
2 X F72							9	11		22					9								11	11
3 X F72									8	25														
4 X F72										27			10	14	14									
1 X F84				2			14	10							9						2	3	14	10
2 X F84							9	11		22													11	11
3 X F84										25			10	14	14									
1 X F96							14	10					10	14	14								14	10
2 X F96							9	11		22					9								9	11
3 X F96									8															
<b>T12 HO</b>																								
1 X F18 HO					12		12	13	14				13*	12*	10*								12	13
2 X F18 HO									11	23					11*									
3 X F18 HO										26														
1 X F24 HO					12		12	13	14				13*	12*	10*								12	13

### T12 SLIMLINE



1 1/2" DIAMETER

### T12 HO



1 1/2" DIAMETER

\* Power Corrected at 277V

# LAMP CHART

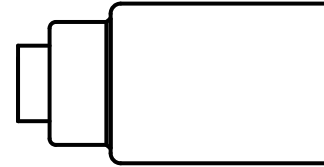
## BALLAST DIMENSIONS PG. 10

1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								WORKHORSE (UNV)					WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WH 41	WH 42	WH 43	WH 44	WH 45	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
2 X F24 HO									11	23					11									
3 X F24 HO										26														
1 X F30 HO					12		12	13	14				13	12	10*								12	13
2 X F30 HO									11	23					11									
3 X F30 HO										26														
1 X F36 HO					12		12	13	14				13	12	10								12	13
2 X F36 HO									11	23					11									
3 X F36 HO										26														
1 X F42 HO					12		12	13	14				13	12	10								12	13
2 X F42 HO									11	23					11									
3 X F42 HO										26														
1 X F48 HO					12		12	13	14				13	12	10								12	13
2 X F48 HO									11	23					11									
3 X F48 HO										26														
1 X F60 HO							12	13	14				13	12	10								12	13
2 X F60 HO									11	23														
3 X F60 HO										26														
1 X F64 HO							12	13	14				13	12	10								12	13
2 X F64 HO									11	23														
1 X F72 HO							12	13	14				13	12	10								12	13
2 X F72 HO									11	23														
1 X F84 HO							12	13	14				13	12	10								12	13
2 X F84 HO									11	23														
1 X F96 HO							12	13	14				12	10									12	13
2 X F96 HO									11	23														
T12 VHO																								
1 X F48 VHO									12	19														
1 X F60 VHO									12	19														
1 X F72 VHO									12	19														
1 X F96 VHO									12	19														

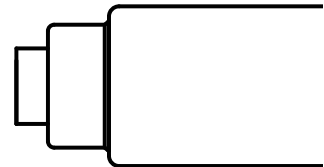
\* Power Corrected at 277V

**T12 HO**



1 1/2" DIAMETER

**T12 VHO**



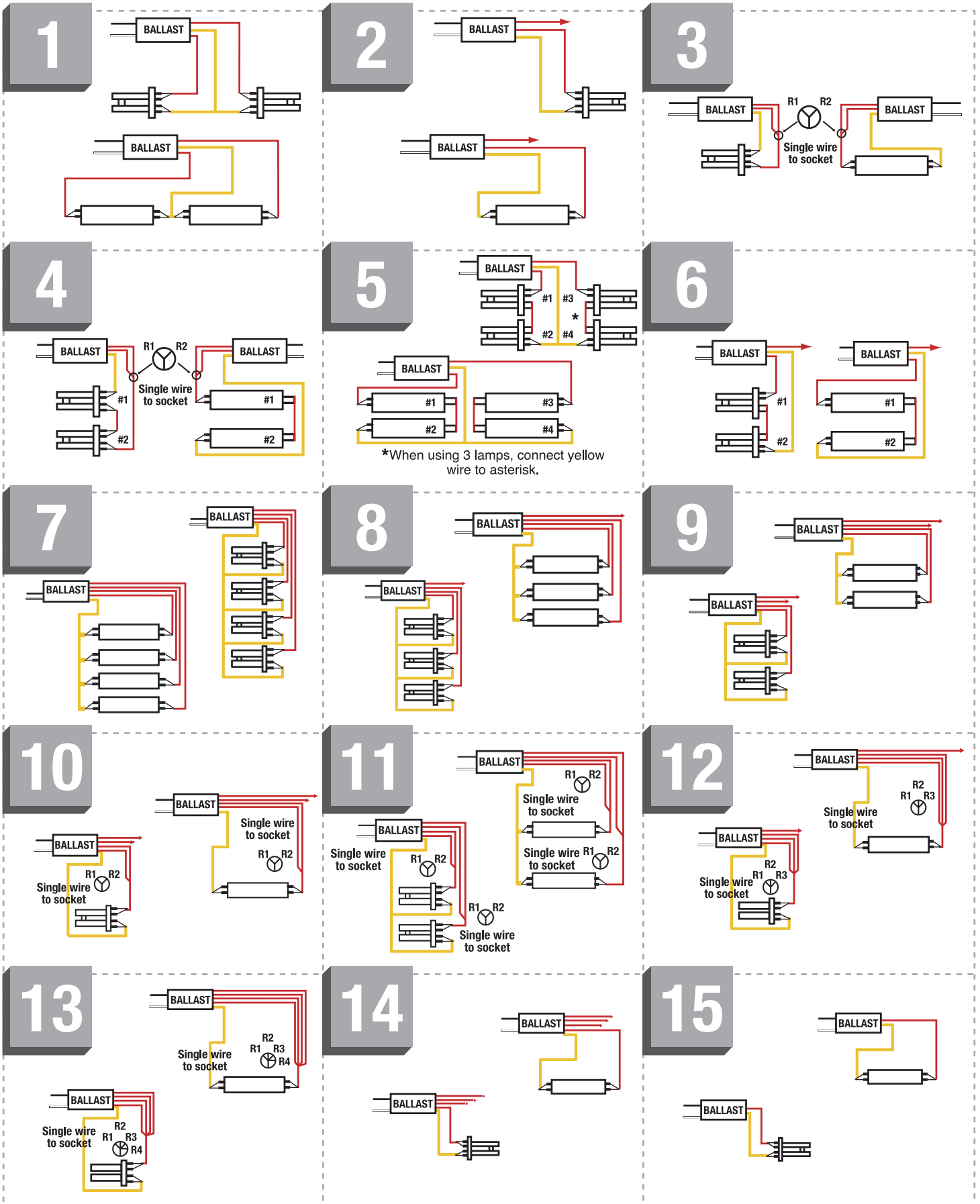
1 1/2" DIAMETER

## BALLAST DIMENSIONS (LxWxH) (in)

WH	120V - L	120V - C	277V - L	277V - C	WH (UNV)	
WH 1	6 x 1 x .75	-	7.5 x 1 x .75	-	WH41-UNV-C	5.77 x 2.99 x 1.05
WH 2	5.5 x 1 x 1	3.3 x 1.75 x 1	-	3.3 x 2.3 x 1	WH41-UNV-L	9.48 x 1.41 x 1.02
WH 22	5.5 x 1 x 1	3.3 x 1.75 x 1	-	3.3 x 2.3 x 1	WH42-UNV-L	9.48 x 1.41 x 1.02
WH 3	6.5 x 1.5 x 1	3.8 x 2.5 x 1	-	3.8 x 3.1 x 1	WH43-UNV-L	9.48 x 1.41 x 1.02
WH 33	6.5 x 1.5 x 1	3.8 x 3.1 x 1	-	-	WH44-UNV-C	5.77 x 2.99 x 1.05
WH 4	6.5 x 1.5 x 1	-	-	-	WH44-UNV-L	9.48 x 1.41 x 1.02
WH 5	8.5 x 1.72 x 1	-	9.5 x 1.72 x 1	-	WH45-UNV-L	9.48 x 2.25 x 1.22
WH 6	8.5 x 1.72 x 1	-	9.5 x 1.72 x 1	-		
WH 7	19.25 x 1.72 x 1	-	11.75 x 3.25 x 1.25	-	<b>WHAM</b>	
WH 8	19.25 x 1.72 x 1	-	-	-	WM 1 & 2	7.5 x 1 x .75
<b>LONGHORSE</b>			<b>120V - L</b>		<b>277V - L</b>	
LH 1	6.5 x 1.5 x 1	LH 3	9.5 x 1.72 x 1	LH 5	13.3 x 1.72 x 1	16 x 1.72 x 1
LH 2	9.5 x 1.72 x 1	LH 4	9.5 x 1.72 x 1	LH 6	16 x 1.72 x 1	16 x 1.72 x 1

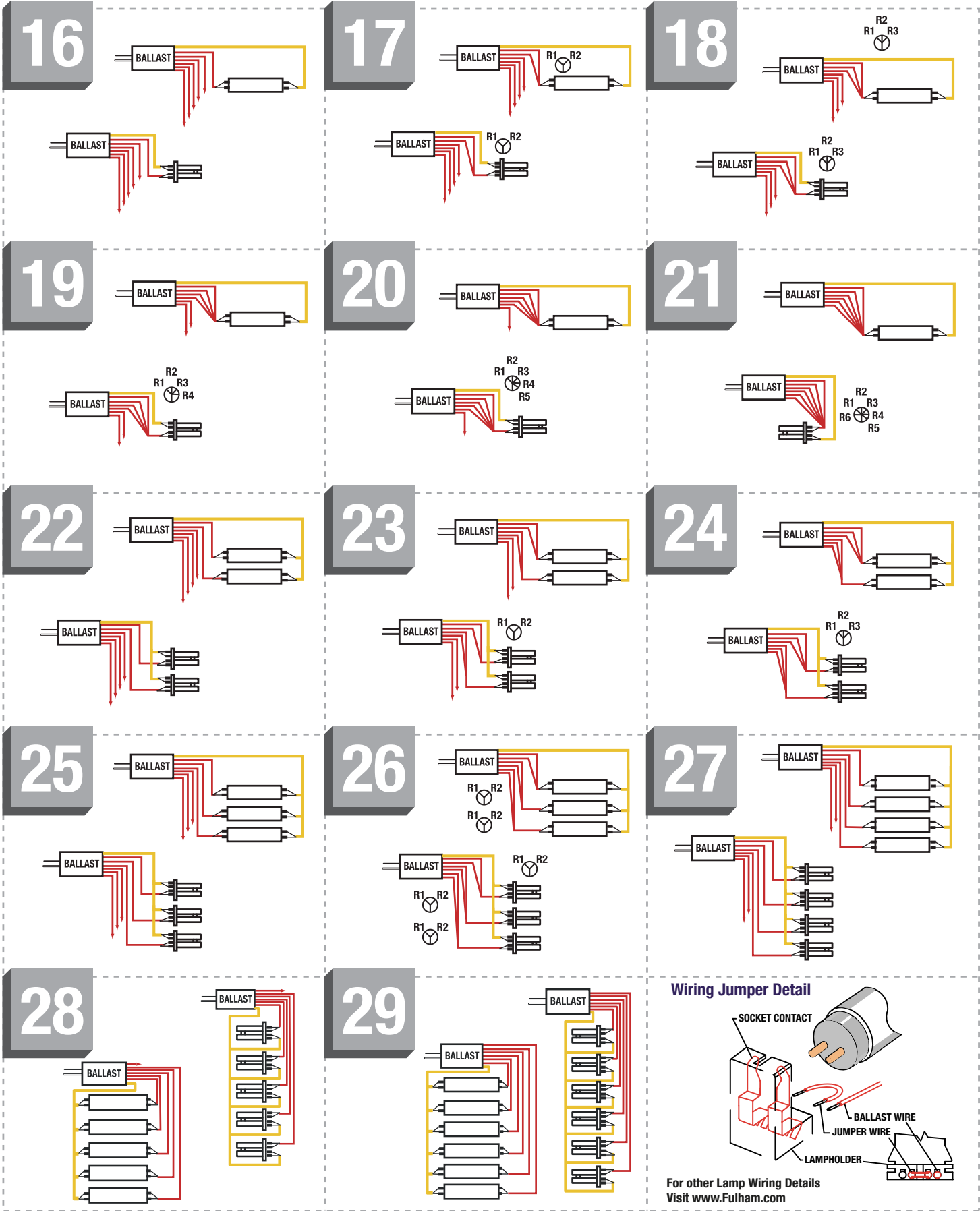
1. Connect both pin sets of the socket before connecting "RED" & "YELLOW" wires.
2. Ground case in accordance with the "National Electric Code."
3. With Linear lamp use a starting aid.
4. Ballast case temperature can not exceed 70°C.
5. Remote mounting distance varies with lamp type. Contact customer service.
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"
10. Running lamps in series will reduce the turn-on cycles of both lamps.  
(Configuration diagrams 4, 5, 6)

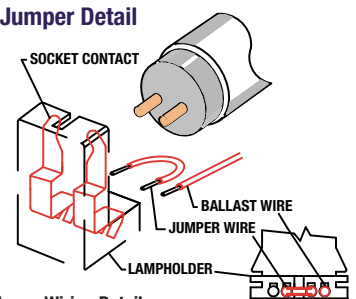




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**Wiring Jumper Detail**



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