

# LAMP CHART for WORKHORSE, WHAM AND LONGHORSE

## LAMPS

### WORKHORSE

### WHAM

### LONGHORSE

WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6
---------	---------	----------	---------	----------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------	---------

1. FIND YOUR LAMP TYPE.
2. FIND THE QUANTITY AND WATTAGE OF LAMPS.
3. LOOK ACROSS AND FIND THE BALLAST YOU NEED.
4. THE COLORED NUMBER REPRESENTS WIRING DIAGRAM

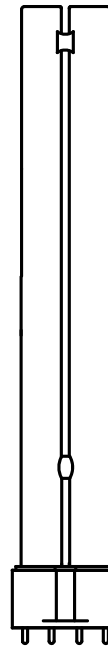
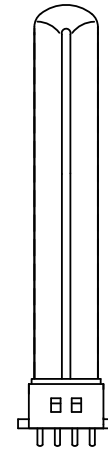
#### TWIN

1 X 5W	3	2			2					15	2	3	2		2		
2 X 5W		1	1		1			9					1		1		9
3 X 5W								8									8
4 X 5W				7		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		3	2	2		14
2 X 13W		1	1	9		9	11							1		9	11
3 X 13W				8		8											8
4 X 13W				7		7											7
1 X 18W	3	2	2	14	2		14				3		3	2	2		14
2 X 18W		1	1	9		9	9							1		9	9
3 X 18W				8		8											8
4 X 18W				7		7											7
1 X 24W	3	2	2	14	3	14	14				3		3	2	3	14	14
2 X 24W			1	9		9	11							1		9	11
3 X 24W				8		8											8
1 X 27W	3	2	2	14	3	14	14				3		3	2	3	14	14
2 X 27W				9		9	11									9	11
4 X 27W								7									7
1 X 28W PA		3	3	14		14	10							3		14	10
2 X 28W PA				11		11											11
3 X 28W PA								8									8
4 X 28W PA								7									7
1 X 36/39W		2	2	14	3	14	10							2	3	14	10
2 X 36/39W						9	11		22							9	11
3 X 36/39W								8	25								8
4 X 36/39W								7	27								7
5 X 36/39W									28								
6 X 36/39W									29								
1 X 40W		2	14	2			14							2	2		14
2 X 40W						9	11									9	11
3 X 40W						8			25								8
4 X 40W								7	27								7
5 X 40W									28								
1 X 50W		3	14	3	14	10								3	3	14	10
2 X 50W						11	11		22							11	11
3 X 50W								8	25								8
4 X 50W								7	27								7
1 X 55W		3	10		10	12	16							3		10	12
2 X 55W						11		9									11
3 X 55W								8	26								8
1 X 55WPA			10		12	13	14									12	13
2 X 55WPA								11	23								11
3 X 55WPA									26								
1 X 96W						12	14	17									12
2 X 96W								11	24								

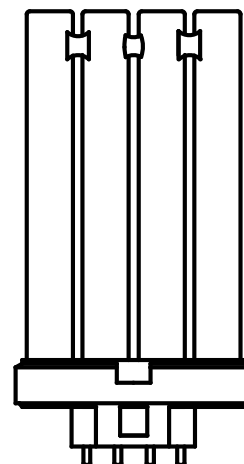
#### FLAT QUAD

1 X 18W	3	2	2	14	3	14	14				3		3	2	3	14	14
2 X 18W				9		9	11									9	11
3 X 18W						8											8
3 X 18W PA																	
4 X 18W PA								7									
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 28W PA			3	10		10	13							3		10	13
2 X 28W PA								9									

#### TWIN



#### FLAT QUAD



# LAMP CHART for WORKHORSE, WHAM AND LONGHORSE

## LAMPS

## WORKHORSE

## WHAM

## LONGHORSE

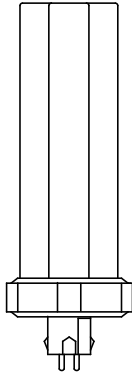
WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6
------	------	-------	------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------

1 X 36W			2	14	3	14	10							2	3	14	10
2 X 36W				9		9	11									9	11
3 X 36W											25						
4 X 36W								7									
1 X 55W PA				10		12	13	14								12	13
2 X 55W PA								11									
1 X 96W PA						12		14								12	
2 X 96W PA								11									

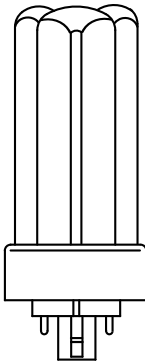
### QUAD

1 X 10W	3	2			2					15	2	3	2		2		
2 X 10W		1	1		1		9					1	1	1			9
3 X 10W							8										8
4 X 10W				7			7										7
1 X 13W	3	2								15	2	3	2				
2 X 13W		1			1						1	1	1				
3 X 13W							8										8
4 X 13W							7										7
1 X 18W	3	2			2					15	2	3	2		2		
2 X 18W				1	1		9							1	1		9
3 X 18W				8		8	8									8	8
4 X 18W							7									7	
1 X 26W		3	2	2	14	3		14			3		3	2	3		14
2 X 26W				1	9		9	11						1		9	11
3 X 26W							8									8	
4 X 26W							7									7	
1 X 27W PA				10		10	13	14								10	13
2 X 27W PA								9									

### QUAD



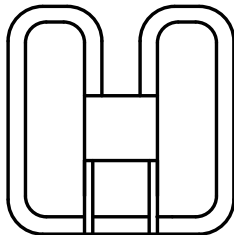
### TRIPLE



### TRIPLE

1 X 13W	3	2								15	2	3	2				
2 X 13W		1			1						1	1	1				
3 X 13W							8										8
4 X 13W							7										7
1 X 18W	3	2			2					15	2	3	2		2		
2 X 18W				1			9							1			9
3 X 18W				8			8										8
4 X 18W							7									7	
1 X 26W		3	2	2	14	3		14			3		3	2	3		14
2 X 26W					9		9	11								9	11
3 X 26W							8									8	
4 X 26W							7									7	
1 X 32W		3	2	2	14	3	14	14					3	2	3	14	14
2 X 32W					9		9	11								9	11
3 X 32W							8									8	
1 X 42W				2	14	3	14	14						2	3	14	14
2 X 42W							9	11								9	11
3 X 42W							8									8	

### 2-D



### 2-D

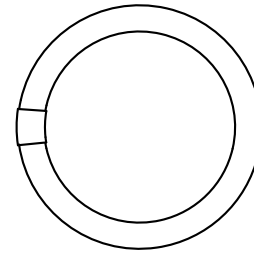
1 X 10W	3	2								15	2	3	2				
2 X 10W		1			1		9				1	1	1				9
3 X 10W							8										8
4 X 10W							7										7
1 X 16W	3	2			2					15	2	3	2		2		
2 X 16W				1			9										9
3 X 16W							8										8
4 X 16W					7		7	7								7	7
1 X 21W		2			2								2		2		
2 X 21W				1			9							1			9
3 X 21W				8			8	8								8	8
4 X 21W							7									7	
1 X 28W		3	2	2		2		14			3		3	2	2		14
2 X 28W				1	9		9	11						1		9	11
3 X 28W							8									8	
4 X 28W							7									7	
1 X 38W				2	14	3	14	14						2	3	14	14
2 X 38W							9	11								9	11
4 X 38W								7									
1 X 55W					12		12	14								12	
2 X 55W								11									

# LAMP CHART for WORKHORSE, WHAM AND LONGHORSE

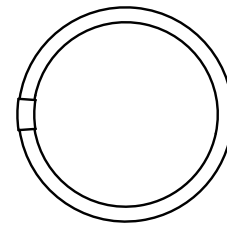
1. FIND YOUR LAMP TYPE.
2. FIND THE QUANTITY AND WATTAGE OF LAMPS.
3. LOOK ACROSS AND FIND THE BALLAST YOU NEED.
4. THE COLORED NUMBER REPRESENTS WIRING DIAGRAM.

LAMPS	WORKHORSE								WHAM		LONGHORSE							
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6
<b>CIRCLINE</b>																		
1 X 20W		3	2	2	14	3	14	14			3		3	2	3	14	14	
2 X 20W					9		9	11								9	11	
4 X 20W									7									
1 X 22W		3	2	2	14	3	14	14			3		3	2	3	14	14	
2 X 22W					9		9	11								9	11	
4 X 22W									7									
1 X 32W			3	3	14		14	10						3		14	10	
2 X 32W					11		11									11		
3 X 32W									8									
4 X 32W									7									
1 X 40W				2	14	3	14	10						2	3	14	10	
2 X 40W							9	11								9	11	
4 X 40W									7									
1 X 22+32				1			9	11						1		9	11	
1 X 32+40								11									11	
<b>T5 CIRCLINE</b>																		
1 X 22W		3	2	2	14	3		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	14						2	3	14	14	
2 X 40W							9	11								9	11	
1 X 55W OS				3	10			12						3			12	
2 X 55W OS							11		9								11	
1 X 22+40				1			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				
3 X F4								8										8
4 X F4								7										7
1 X F6	3	2									15	2	3	2				
2 X F6		1			1						1	1		1				
3 X F6								8										8
4 X F6								7										7
1 X F8	2	2									15	2	2	2				
2 X F8		1			1						1	1		1				
4 X F8								7										7
1 X F13	3	2									15	2	3	2				
2 X F13		1			1						1	1		1				
3 X F13								8										8
4 X F13								7										7
1 X F14	3	2									15	2	3	2				
2 X F14		1			1						1	1		1				
3 X F14								8										8
4 X F14								7										7
1 X F21	3	2									15	2	3	2				
2 X F21		1			1								1		1			
3 X F21								8										8
4 X F21								7										7
1 X F28	3	2									15	2	3	2				
2 X F28					1												1	
3 X F28								8										8
4 X F28								7										7
1 X F35		2									15		2					
2 X F35					1												1	
3 X F35								8										8
4 X F35								7										7
<b>T5 HO</b>																		
1 X F24 HO		3	2	2	14	3		14					3	2	3		14	
2 X F24 HO				1	9		9	11						1		9	11	
3 X F24 HO								8									8	

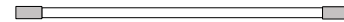
## CIRCLINE



## T5 CIRCLINE



## T2 LINEAR



1/4" DIA

## T5 LINEAR



5/8" DIA

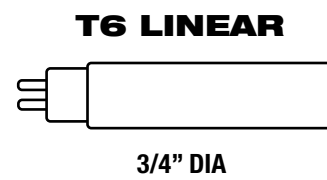
## T5 HO



5/8" DIA

# LAMP CHART for WORKHORSE, WHAM AND LONGHORSE

LAMPS	WORKHORSE								WHAM		LONGHORSE							
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6
4 X F24 HO							7			27								7
5 X F24 HO										28								
6 X F24 HO										29								
1 X F39 HO				2	14	3	14	14						2	3	14	14	
2 X F39 HO							9	11								9	11	
3 X F39 HO							8			25						8		
4 X F39 HO									7	27								
5 X F39 HO										28								
1 X F54 HO				3	14		14	12		16				3		14	12	
2 X F54 HO							11			22						11		
3 X F54 HO									8	25								
4 X F54 HO									7									
1 X F80 HO							10	12		16						10	12	
2 X F80 HO									9									
<b>T6 LINEAR</b>																		
1 X F42	3	2				2							3	2		2		
2 X F42				1		1		9							1	1		9
3 X F42								8										8
4 X F42								7										7
1 X F64						2										2		
2 X F64						1		9							1			9
3 X F64								8										8
<b>T8 LINEAR</b>																		
1 X F13	3	2	2	14	3		14				3		3	2	3			14
2 X F13				1	9		9	11							1		9	11
3 X F13					8		8											8
4 X F13									7	27								
5 X F13										28								
6 X F13										29								
1 X F14	3	2	2	14	3	14	14				3		3	2	3	14	14	
2 X F14					9		9	11								9	11	
3 X F14							8			25						8		
4 X F14									7	27								
5 X F14										28								
6 X F14										29								
1 X F15	3	2	2			3		14			3		3	2	3			14
2 X F15			1	1	9		9	11							1		9	11
3 X F15					8		8											8
4 X F15					7		7											7
5 X F15										28								
6 X F15										29								
1 X F17	3			2		2					3		3	2	2			
2 X F17			1	1				9							1			9
3 X F17					8		8											8
4 X F17					7		7											7
6 X F17										29								
1 X F18	3	2	2	14	3		14				3		3	2	3			14
2 X F18					9		9	11									9	11
3 X F18							8			25								8
4 X F18										27								
5 X F18										28								
6 X F18										29								
1 X F25	3			2		2					3		3	2	2			
2 X F25				1				9							1			9
3 X F25							8											8
4 X F25							7											7
6 X F25										29								
1 X F30	3	2	2	14	3		14						3	2	3			14
2 X F30					9		9	11									9	11
3 X F30							8			25								8
4 X F30									7	27								
5 X F30										28								
6 X F30										29								
1 X F32	3			2		2							3	2	2			
2 X F32				1				9							1			9
3 X F32							8											8
4 X F32							7											7
6 X F32										29								
1 X F40				2		2									2	2		
2 X F40								9										9



# LAMP CHART for WORKHORSE, WHAM AND LONGHORSE

1. FIND YOUR LAMP TYPE.
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4. THE COLORED NUMBER REPRESENTS WIRING DIAGRAM.

LAMPS	WORKHORSE								WHAM		LONGHORSE							
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6
3 X F40								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							11			22								11
1 X F72					2											2		
2 X F72					1			9							1			9
3 X F72								8										8
4 X F72								7										7
<b>T8 HO</b>																		
1 X F48 HO			3	14			14	10							3	14	10	
2 X F48 HO							11			22							11	
3 X F48 HO									8	25								
4 X F48 HO									7	27								
1 X F60 HO			3	14			14	10							3	14	10	
2 X F60 HO							11			22							11	
3 X F60 HO									8	25								
4 X F60 HO									7	27								
1 X F72 HO			3	14			14	10							3	14	10	
2 X F72 HO							11			22								
3 X F72 HO									8	25								11
<b>T10 LINEAR</b>																		
1 X F40			3	14	3		14	10							3	3	14	10
2 X F40							11	11		22							11	11
3 X F40									8	25								
4 X F40									7	27								
5 X F40										28								
<b>T10 VHO</b>																		
1 X F48 VHO									12	19								
1 X F60 VHO									12	19								
1 X F72 VHO									12	19								
1 X F96 VHO									12	19								
<b>T12 LINEAR</b>																		
1 X F14	3	2	2	14	3		14	10			3		3	2	3	14	10	
2 X F14				9			9	11								9	11	
3 X F14										25								
4 X F14									7	27								
5 X F14										28								
6 X F14										29								
1 X F15	3	2	2		3			14			3		3	2	3		14	
2 X F15			1	9			9	11						1		9	11	
3 X F15				8			8									8		
4 X F15							7			27						7		
5 X F15										28								
6 X F15										29								
1 X F20	3	2	2	14	3		14	14			3		3	2	3	14	14	
2 X F20				9			9	11								9	11	
3 X F20										25								
4 X F20									7	27								
5 X F20										28								
6 X F20										29								
1 X F24		3		14	3		14	10			3			3		14	10	
2 X F24				11			11	11		22						11	11	
3 X F24									8	25								
4 X F24									7	27								
5 X F24										28								
1 X F25	3	3	14				14	10						3		14	10	
2 X F25			11				11			22						11		
3 X F25									8	25								
4 X F25									7	27								
1 X F30		3	3	14	3		14	10						3	3	14	10	
2 X F30				11			11	11		22						11	11	
3 X F30									8	25								
4 X F30									7	27								
5 X F30										28								
1 X F36			3	14	3		14	10						3	3	14	10	
2 X F36				11			11	11		22						11	11	
3 X F36									8	25								
4 X F36									7	27								

## T8 HO



1" DIA

## T10 LINEAR



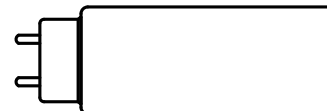
1 1/4" DIA

## T10 VHO



1 1/4" DIA

## T12 LINEAR



1 1/2" DIA

# LAMP CHART for WORKHORSE, WHAM AND LONGHORSE

LAMPS	WORKHORSE								WHAM		LONGHORSE								
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	WM 1	WM 2	LH 1	LH 2	LH 3	LH 4	LH 5	LH 6	
5 X F36																			28
1 X F40				3	14	3	14	10							3	3	14	10	
2 X F40							11	11									11	11	
3 X F40									8										25
4 X F40									7										27
5 X F40																			28
1 X F42				3	14	3	14	10							3	3	14	10	
2 X F42							11	11									11	11	
3 X F42									8										25
4 X F42									7										27
5 X F42																			28
1 X F48				3	1	3	14	10							3	3	14	10	
2 X F48							11	11									11	11	
3 X F48									8										25
4 X F48									7										27
5 X F48																			28
1 X F60				2	14	3	14	10							2	3	14	10	
2 X F60							11	11									11	11	
3 X F60									8										25
4 X F60									7										27
1 X F64				2	14	3	14	10							2	3	14	10	
2 X F64							11	11									11	11	
3 X F64									8										25
4 X F64																			27
1 X F72				2	14	3	14	10							2	3	14	10	
2 X F72							11	11									11	11	
3 X F72									8										25
4 X F72																			27
1 X F84				2		3	14	10							2	3	14	10	
2 X F84							11	11									11	11	
3 X F84									8										25
1 X F96							14	10									14	10	
2 X F96							9	11									9	11	
3 X F96									8										25
<b>T12 HO</b>																			
1 X F18 HO					12		12	13	14								12	13	
2 X F18 HO									11										23
3 X F18 HO																			26
1 X F24 HO					12		12	13	14								12	13	
2 X F24 HO									11										23
3 X F24 HO																			26
1 X F30 HO					12		12	13	14								12	13	
2 X F30 HO									11										23
3 X F30 HO																			26
1 X F36 HO					12		12	13	14								12	13	
2 X F36 HO									11										23
3 X F36 HO																			26
1 X F42 HO					12		12	13	14								12	13	
2 X F42 HO									11										23
3 X F42 HO																			26
1 X F48 HO					12		12	13	14								12	13	
2 X F48 HO									11										23
3 X F48 HO																			26
1 X F60 HO							12	13	14								12	13	
2 X F60 HO									11										23
3 X F60 HO																			26
1 X F64 HO							12	13	14								12	13	
2 X F64 HO									11										23
1 X F72 HO							12	13	14								12	13	
2 X F72 HO									11										23
1 X F84 HO							12	13	14								12	13	
2 X F84 HO									11										23
1 X F96 HO							12	13	14								12	13	
2 X F96 HO									11										23
<b>T12 VHO</b>																			
1 X F48 VHO									12										19
1 X F60 VHO									12										19
1 X F72 VHO									12										19
1 X F96 VHO									12										19

