

# LAMP CHART

## BALLAST DIMENSIONS PG. 10

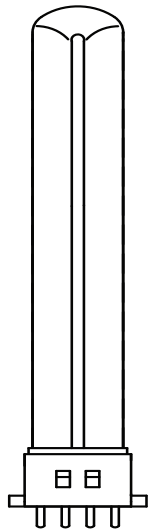
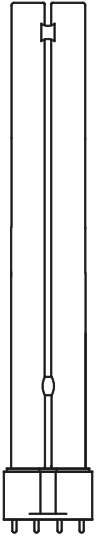
1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
<b>TWIN</b>													
1 X 5W	3	2				2					2	2	
2 X 5W			1			1		9			1	1	
3 X 5W								8					
4 X 5W					7			7					7
1 X 7W	3	2									2		
2 X 7W		1				1		9			1	1	
3 X 7W								8					
4 X 7W								7					
1 X 9W	3	2									2		
2 X 9W		1				1					1	1	
3 X 9W								8					
4 X 9W								7					
1 X 11W	3												
2 X 11W		1				1					1	1	
3 X 11W								8					
4 X 11W								7					
1 X 13W		3	2	2		2		14			3	2	
2 X 13W			1	1	9			11					9
3 X 13W					8		8						8
4 X 13W					7		7						7
1 X 18W		3	2	2	14	2		14			3	2	
2 X 18W			1	1	9			9					9
3 X 18W					8		8						8
4 X 18W							7						7
1 X 24W		3	2	2	14	3		14			3	3	14
2 X 24W				1	9		9	11					9
3 X 24W							8						8
1 X 27W		3	2	2	14	3		14			3	3	14
2 X 27W					9		9	11					9
1 X 24/27W													
2 X 24/27W													
3 X 24/27W													
1 X 28W PA				3	14			10					14
2 X 28W PA					11								11
1 X 36/39W			2	2	14	3		10				3	14
2 X 36/39W							9	11		22			9
3 X 36/39W									8	25			
4 X 36/39W									7	27			
5 X 36/39W										28			
6 X 36/39W										29			
1 X 40W				2	14	2		14				2	
2 X 40W							9	11					9
3 X 40W							8		8	25			8
4 X 40W									7	27			
5 X 40W										28			
1 X 50W				3	14	3	14	10				3	14

\* Power Corrected at 277V

**4 PIN ONLY**

**TWIN**



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

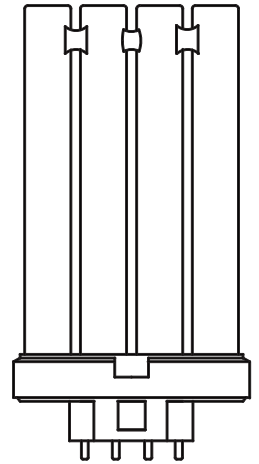
1. Find your lamp type.
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4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
2 X 50W							11	11		22			9
3 X 50W									8	25			
4 X 50W									7	27			
1 X 55W				3	10		10	12		16			10
2 X 55W							11		9				11
3 X 55W									8	26			
1 X 55W PA					10			13					12
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	14
2 X 18W					9		9	11					9
3 X 18W							8						8
1 X 24W		3	2	2	14	3		14			3	3	
2 X 24W				1	9		9	11					9
3 X 24W							8						8
1 X 28 PA				3	10								10
1 X 36W				2	14	3	14	10				3	14
2 X 36W					9		9	11					9
3 X 36W										25			
1 X 55 PA					10			13					12
1 X 96 PA													12
<b>QUAD</b>													
1 X 10W	3					2					2	2	
2 X 10W						1		9			1	1	
3 X 10W								8					
4 X 10W					7			7					
1 X 13W	3	2									2		
2 X 13W		1				1					1	1	
3 X 13W								8					
4 X 13W								7					
1 X 18W	3	2				2					2	2	
2 X 18W				1		1		9				1	
3 X 18W					8		8	8					8
4 X 18W							7						7
1 X 26W		3	2	2	14	3		14			3	3	
2 X 26W					9		9	11					9
3 X 26W							8						8
4 X 26W							7						7
1 X 27W PA					10			13					10
<b>TRIPLE</b>													
1 X 13W	3	2									2		
2 X 13W		1				1					1	1	
3 X 13W								8					

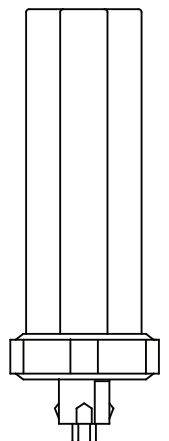
\* Power Corrected at 277V

## 4 PIN ONLY

### FLAT QUAD



### QUAD



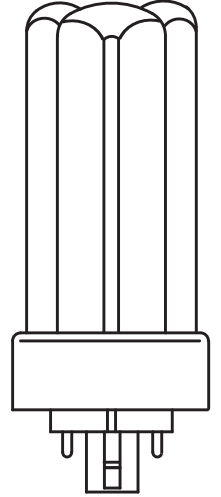
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3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
4 X 13W								7					
1 X 18W	3	2				2					2	2	
2 X 18W				1				9					
3 X 18W					8			8					
4 X 18W							7						7
1 X 26W		3	2	2	14	3		14			3	3	
2 X 26W					9		9	11					9
3 X 26W							8						8
4 X 26W							7						7
1 X 32W		3	2	2	14	3		14			3	3	14
2 X 32W					9		9	11					9
3 X 32W							8						8
1 X 42W													
2 X 42W													
<b>2-D</b>													
1 X 10W	3	2									2		
2 X 10W		1				1		9			1	1	
3 X 10W								8					
4 X 10W								7					
1 X 16W	3	2				2					2	2	
2 X 16W		1	1					9					
3 X 16W								8					
4 X 16W					7		7	7					7
1 X 21W		2				2					2	2	
2 X 21W				1				9					
3 X 21W					8		8	8					8
4 X 21W							7						7
1 X 28W		3	2	2		2		14			3	2	
2 X 28W				1	9		9	11					9
3 X 28W							8						8
4 X 28W							7						7
1 X 38W				2	14	3	14	14				3	14
2 X 38W							9	11					9
4 X 38W								7					
1 X 55W					12		12	14					12
<b>T9 CIRCLINE</b>													
1 X 20W		3	2	2	14	3		14			3	3	14
2 X 20W					9		9	11					9
4 X 20W								7					
1 X 22W		3	2	2	14	3		14			3	3	14
2 X 22W					9		9	11					9
4 X 22W								7					
1 X 32W			3	3	14			10					14
2 X 32W					11		9						11
3 X 32W								8					
4 X 32W								7					

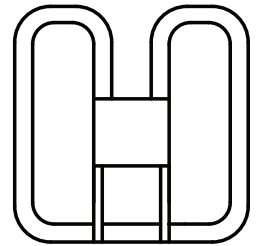
\* Power Corrected at 277V

## 4 PIN ONLY

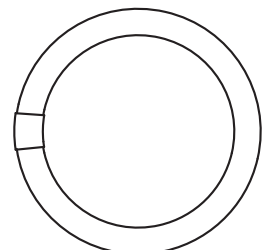
### TRIPLE



### 2-D



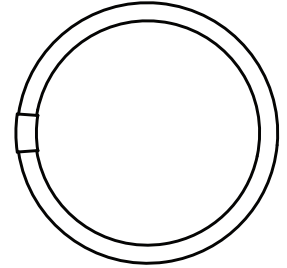
### T9 CIRCLINE



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								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
1 X 40W				2	14	3	14	10				3	14
2 X 40W							9	11					9
3 X 40W									8				
4 X 40W									7				
1 X 22+32				1			9	11					9
1 X 32+40							11						11
<b>T5 CIRCLINE</b>													
1 X 22W		3	2	2	14	3		14			3	3	
2 X 22W					9		9	11					9
3 X 22W					8		8						8
1 X 40W				2	14	3		14				3	14
2 X 40W							9	11					9
1 X 55W OS				3	10			12					
2 X 55W OS							11	9					11
1 X 22+40							9	11					9
<b>T2 LINEAR</b>													
1 X F6	2												
2 X F6	1												
1 X F8	2												
2 X F8	1												
1 X F11	2												
2 X F11	1												
1 X F13	2												
2 X F13	1												
<b>T5 LINEAR</b>													
1 X F4	3										2		
2 X F4		1				1					1	1	
3 X F4								8					
4 X F4								7					
1 X F6	3										2		
2 X F6		1				1					1	1	
3 X F6								8					
4 X F6								7					
1 X F8	2										2		
2 X F8		1				1					1	1	
4 X F8								7					
1 X F13	3	2									2		
2 X F13		1				1					1	1	
3 X F13								8					
4 X F13								7					
1 X F14	3	2									2		
2 X F14		1				1					1	1	
3 X F14								8					
4 X F14								7					
1 X F21	3	2									2		
2 X F21		1				1					1	1	

**T5 CIRCLINE**



**T2 LINEAR**



1/4" DIAMETER

**T5 LINEAR**



5/8" DIAMETER

\* Power Corrected at 277V

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

LAMPS	WORKHORSE								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
3 X F21								8					
4 X F21								7					
1 X F28	3	2									2		
2 X F28						1					1	1	
3 X F28								8					
4 X F28								7					
1 X F35											2		
2 X F35						1						1	
3 X F35								8					
4 X F35								7					
<b>T5 HO LINEAR</b>													
1 X F24 HO		3	2	2	14	3		14			3	3	
2 X F24 HO				1	9		9	11					9
3 X F24 HO							8						8
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				3	14
2 X F39 HO							9	11					9
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			14
2 X F54 HO							11			22			11
3 X F54 HO									8				
4 X F54 HO									7				
1 X F80 HO								12		16			10
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	
2 X F42				1		1		9				1	
3 X F42								8					
4 X F42								7					
1 X F64						2						2	
2 X F64						1		9				1	
3 X F64								8					

### T5 LINEAR



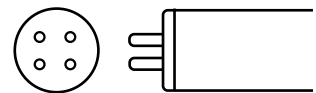
5/8" DIAMETER

### T5 HO



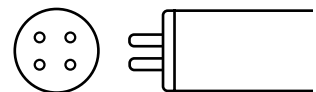
5/8" DIAMETER

### T5 UV LINEAR



5/8" DIAMETER

### T6 UV LINEAR



3/4" DIAMETER

### T6 SLIMLINE



3/4" DIAMETER

\* Power Corrected at 277V

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5. Check ballast dimension key to ensure correct sizing.

LAMPS	WORKHORSE								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
<b>T8 LINEAR</b>													
1 X F13		3	2	2	14	3		14			3	3	
2 X F13				1	9			11					9
3 X F13					8		8						8
4 X F13							7		7	27			
5 X F13										28			
6 X F13										29			
1 X F14		3	2	2	14	3		14			3	3	14
2 X F14					9			11					9
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	3	
2 X F15			1	1	9			11					9
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	2	
2 X F17			1	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 X F18					9		9	11					9
3 X F18							8			25			8
4 X F18							7			27			
5 X F18										28			
6 X F18										29			
1 X F25		3		2		2					3	2	
2 X F25				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	3	
2 X F30					9		9	11					9
3 X F30							8			25			8
4 X F30							7		7	27			
5 X F30										28			
6 X F30										29			
1 X F32		3		2		2					3	2	
2 X F32				1				9					
3 X F32							8						8
4 X F32							7						7
6 X F32										29			

**T8 LINEAR**



1" DIAMETER

\* Power Corrected at 277V

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5. Check ballast dimension key to ensure correct sizing.

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

### T8 LINEAR



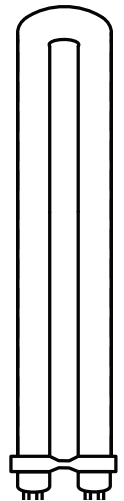
1" DIAMETER

### T8 SLIMLINE

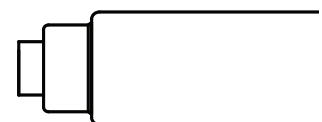


1" DIAMETER

### T8 U-LAMP



### T8 HO



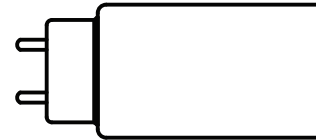
1" DIAMETER

\* Power Corrected at 277V

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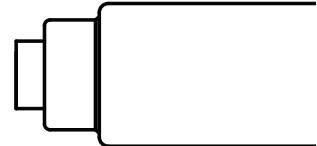
LAMPS	WORKHORSE								LONGHORSE				
	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
4 X F60 HO										27			
1 X F72 HO				3	14		14	10					14
2 X F72 HO										22			
3 X F72 HO									8	25			
<b>T10 LINEAR</b>													
1 X F40				3	14	3		10				3	14
2 X F40								11		22			11
3 X F40										25			
4 X F40										27			
5 X F40										28			
<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	3	14
2 X F14					9		9	11					9
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 X F15				1	9		9	11					9
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			3	3	14
2 X F20					9		9	11					9
3 X F20							8			25			
4 X F20							7	7		27			
5 X F20										28			
6 X F20										29			
1 X F25			3	3	14		14	10					14
2 X F25					11		9			22			11
3 X F25									8	25			
4 X F25									7	27			
1 X F30			3	3	14	3	14	10				3	14
2 X F30					11		9	11		22			11
3 X F30									8	25			
4 X F30									7	27			
5 X F30										28			
1 X F40				3	14	3	14	10				3	14
2 X F40							9	11		22			11
3 X F40									8	25			

## T10 LINEAR



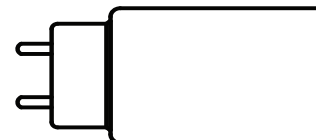
1 1/4" DIAMETER

## T10 VHO



1 1/4" DIAMETER

## T12 LINEAR



1 1/2" DIAMETER

\* Power Corrected at 277V



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

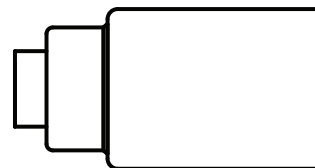
\* Power Corrected at 277V

### T12 SLIMLINE



1 1/2" DIAMETER

### T12 HO



1 1/2" DIAMETER

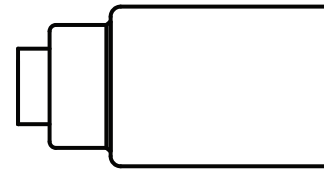
1. Find your lamp type.
2. On left, find the quantity and wattage of your lamps.
3. Look across the grid to find your ballast.
4. Find the corresponding wiring diagram on pages 11-12.
5. Check ballast dimension key to ensure correct sizing.

**LAMPS** | **WORKHORSE** | **LONGHORSE**

	WH 1	WH 2	WH 22	WH 3	WH 33	WH 4	WH 5	WH 6	WH 7	WH 8	LH 2	LH 4	LH 5
2 X F24 HO									11	23			
3 X F24 HO										26			
1 X F30 HO					12		12	13	14				12
2 X F30 HO									11	23			
3 X F30 HO										26			
1 X F36 HO					12		12	13	14				12
2 X F36 HO									11	23			
3 X F36 HO										26			
1 X F42 HO					12		12	13	14				12
2 X F42 HO									11	23			
3 X F42 HO										26			
1 X F48 HO					12		12	13	14				12
2 X F48 HO									11	23			
3 X F48 HO										26			
1 X F60 HO							12	13	14				12
2 X F60 HO									11	23			
3 X F60 HO										26			
1 X F64 HO							12	13	14				12
2 X F64 HO									11	23			
1 X F72 HO							12	13	14				12
2 X F72 HO									11	23			
1 X F84 HO							12	13	14				12
2 X F84 HO									11	23			
1 X F96 HO							12	13	14				12
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			

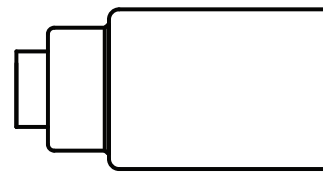
\* Power Corrected at 277V

### T12 HO



1 1/2" DIAMETER

### T12 VHO



1 1/2" DIAMETER

## BALLAST DIMENSIONS (LxWxH) (in)

MODEL NUMBER	Dimensions (Inches)
WH1-120-L	6 x 1 x 0.75
WH2-120-C	3.3 x 1.75 x 1
WH2-120-L	5.5 x 1 x 1
WH22-120-C	3.3 x 1.75 x 1
WH22-120-L	5.5 x 1 x 1
WH3-120-C	3.8 x 2.5 x 1
WH3-120-L	6.5 x 1.5 x 1
WH33-120-C	3.8 x 3.1 x 1
WH33-120-L	6.5 x 1.5 x 1

MODEL NUMBER	Dimensions (Inches)
WH4-120-L	6.5 x 1.5 x 1
WH5-120-L	8.5 x 1.7 x 1
WH6-120-L	8.5 x 1.7 x 1
WH7-120-H	11.75 x 3.25 x 1.25
WH7-120-L	19.25 x 1.7 x 1
WH8-120-L	19.25 x 1.7 x 1
LH2-120-L	9.5 x 1.72 x 1
LH4-120-L	9.5 x 1.72 x 1
LH5-120-L	13.3 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)

