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Fluorescent Replacement Guide



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SEE THE WORLD IN A NEW LIGHT

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SEE THE WORLD IN A NEW LIGHT

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In 2009 the United States Department of Energy issued regulations that set minimum efficacy (lumens per watt) standards for certain linear and U-bend general service fluorescent lamps. The new standards are effective on July 14, 2012, and will result in the elimination of the least efficient 4' T12, 2' T12 U-bend, and 8' T12 slimline and HO lamps. The 700 Series T8 lamps would also have been eliminated at this same time, but due to rare earth supply issues, the DOE has allowed OSRAM SYLVANIA to delay the effective date for these lamps until July 14, 2014. To help

lighting users with their selection process, SYLVANIA has developed this replacement guide. The guide lists lamps which do not meet the minimum efficacy requirements and will therefore be eliminated. The guide also provides product replacements which satisfy the minimum requirements of the energy legislation and gives recommended, high efficiency alternatives which save energy, provide longer life and greater value.

For product availability and specific recommendations contact your SYLVANIA sales professional.

Lamp Type Eliminated In 2012/ Eliminated in 2014 Item Number	Minimum Replacement Item Number	Upgrade Item Number	Upgrade Item Number	Upgrade Item Number
		GOOD	BETTER	BEST
 F032 4' T8 Lamps		<ul style="list-style-type: none"> • Improved Color Quality • Higher Light Output • No Ballast change req'd 	<ul style="list-style-type: none"> • Up to 43% Longer Life • No Ballast change req'd 	<ul style="list-style-type: none"> • Up to 12.5% Energy Savings • Up to 43% Longer Life • No Ballast change req'd
FO32/730/ECO 30/CS 1/SKU 21997	FO32/730/XP/ECO 21711	FO32/830/ECO 21777	FO32/830/XP/ECO3 21759	FO28/830/XP/SS/ECO3 22177
FO32/735/ECO/PALLET 1776/CS 1/SKU 21545	FO32/735/XP/ECO 22044	FO32/835/ECO 21779	FO32/835/XP/ECO3 21763	FO28/835/XP/SS/ECO3 22178
FO32/735/ECO 30/CS 1/SKU 21998			or	or
FO32/735/ECO/CVP 12/CS 12/SKU 22182			FO32/835/XV/ECO 20066	FO28/835/XV/SS/ECO 21420
FO32/735/ECO/RP 30/CS 30/SKU 22266	FO32/735/XP/ECO 22024			
FO32/741/ECO/UPC 30/CS 1/SKU 21524	FO32/741/XP/ECO 21712	FO32/841/ECO 21781	FO32/841/XP/ECO3 21767	FO28/841/XP/SS/ECO3 22179
FO32/741/ECO 30/CS 1/SKU 21999			or	or
FO32/741/ECO/CVP 12/CS 12/SKU 22181			FO32/841/XV/ECO 20067	FO28/841/XV/SS/ECO 21421
FO32/741/ECO/230 30/CS 2/SKU 22186				
FO32/741/ECO/RP 30/CS 30/SKU 22265				
FO32/741/ECO/PALLET 1776/CS 1/SKU 22317				
FO32/750/ECO 30/CS 1/SKU 22141	FO32/750/XP/ECO TBD	FO32/850/ECO 22143	FO32/850/XP/ECO 22026	FO28/850/XP/SS/ECO3 22326
			or	or
			FO32/850/XV/ECO 20068	FO28/850/XV/SS/ECO 21422
FO32/765/ECO 30/CS 1/SKU 22175	FO32/765/XP/ECO TBD	—	FO32/865/XP/ECO 21720	—
FO32/765/ECO/CVP 12/CS 12/SKU 22210				




Lamp Type Eliminated In 2012/**Eliminated in 2014**
Item Number

Minimum Replacement
Item Number

Upgrade
Item Number

Upgrade
Item Number

Upgrade
Item Number

		GOOD	BETTER	BEST
	F096 Single Pin 8' T8 Lamps	— —	• Up to 60% Longer Life • No Ballast change req'd	• Up to 7% Energy Savings • Up to 60% Longer Life • No Ballast change req'd
FO96/730/ECO 24/CS 1/SKU 22030	FO96/830/ECO 22147	—	FO96/830/XP/ECO 22036	FO96/54W/835/XP/SS/ECO3 22100
FO96/735/ECO 24/CS 1/SKU 21737	FO96/835/ECO 22148	—	FO96/835/XP/ECO 22034	FO96/54W/835/XP/SS/ECO3 22100 or FO96/54W/835/XV/SS/ECO 21423
FO96/741/ECO/218 18/CS 2/SKU 21592	FO96/841/ECO 22149	—	FO96/841/XP/ECO 22032	FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424
FO96/741/ECO 24/CS 1/SKU 21736				
FO96/741/ECO 18/CS 2/SKU 28987				
	F96T8 Single Pin 8' T8 Lamps		• Improved Color Quality • Higher Light Output • Up to 400% Longer Life • Ballast change req'd	• Improved Color Quality • Higher Light Output • Up to 480% Longer Life • Ballast change req'd
F96T8/D/ 24/CS 1/SKU 29650	—	FO96/850/ECO 22173	FO96/850/XP/ECO 22174	FO96/54W/850/XP/SS/ECO3 22347
F96T8/CW 24/CS 1/SKU 29666	—	FO96/841/ECO 22149	FO96/841/XP/ECO 22032	FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424
			• Up to 7% Energy Savings • Up to 60% Energy Savings • No Ballast change req'd	• Up to 7% Energy Savings • Up to 60% Energy Savings • No Ballast change req'd
F96T8WECO 24/CS 1/SKU 21418	FO96/835/ECO 22148	FO96/835/XP/ECO 22034	FO96/54W/835/XV/SS/ECO3 21423	FO96/54W/835/XP/SS/ECO3 22100
F96T8CWECO 24/CS 1/SKU 21419	FO96/841/ECO 22149	FO96/841/XP/ECO 22032	FO96/54W/841/XV/SS/ECO3 21424	FO96/54W/841/XP/SS/ECO3 22101
	F34T12 4' T12 Lamps	• Improved Color Quality • Higher Light Output • No Ballast change req'd	• Up to 40% Energy Savings • Up to 45% Longer Life • Ballast change req'd ** Up to 45% Energy Savings	• Up to 40% Energy Savings • Up to 100% Longer Life • Ballast change req'd ♦ Up to 45% Energy Savings and Longer Life
F34/D30/SS/ECO 30/CS 1/SKU 24535	F40/WX 30/CS 1/SKU 23505	F34T12/941/SS/ECO 22425*	FO28/830/XP/SS/ECO3 22177 or FO28/830/XV/SS/ECO 21429	FO28/835/XP/SS/ECO3 22178 or FO28/835/XV/SS/ECO 21420
F34/WW/SS/ECO 30/CS 1/SKU 24538				
F34/D830/SS/ECO 30/CS 1/SKU 24544				
F34/D35/SS/ECO 30/CS 1/SKU 24540				
F34/D835/SS/ECO 30/CS 1/SKU 24547				
F34/D35/SS 30/CS 1/SKU 24585				
F34/W/SS 30/CS 1/SKU 24591				

F34T12 4' T12 Lamps (continued on next page)

* Made-to-order with 10,000 minimum order quantity.


Lamp Type Eliminated In 2012/**Eliminated in 2014**
Item Number

Minimum Replacement
Item Number

Upgrade
Item Number

Upgrade
Item Number

Upgrade
Item Number

		GOOD	BETTER	BEST
F34T12 4' T12 Lamps (continued)				
F34/CW/SS/ECO/RP 30/CS 30/SKU 24394	F34/CWX/SS/RP 30/CS 30/SKU 22459	F34T12/941/SS/ECO 22425*	FO28/841/XP/SS/ECO3 22179	FO28/841/XP/XL/SS/ECO3 22167
F34/D41/SS/ECO 30/CS 1/SKU 24542	F34/CWX/SS 24588		or FO28/841/XV/SS/ECO 21421	
F34/D841/SS/ECO 30/CS 1/SKU 24554				
F34/LW/SS/ECO 30/CS 1/SKU 24566				
F34/LW/SS 30/CS 1/SKU 24590				
F34/CW/SS/ECO 30/CS 1/SKU 24596				
F34/CW/SS/ECO/CVP 10/CS 10/SKU 24632	F34/CWX/SS/CVP 10/CS 10/SKU 22460			
F34/CW/SS/ECO/UPC 30/CS 1/SKU 24634	F34/CWX/SS/UPC 30/CS 1/SKU 23501	—		
F34/CW/SS/ECO/CP 30/CS 1/SKU 24786				
F34/CW/SS/ECO/RP 30/CS 2/SKU 24633	F34/CWX/SS/RP 30/CS 2/SKU 22462	F40/T12/941/ECO 30/CS 2/SKU 22435		
F34/D865/SS 30/CS 1/SKU 24706	F34/DX/SS 24599	F34T12/941/SS/ECO 22425*	FO32/865/XP/ECO 21720**	FO32/865/XPS/ECO 21659♦
 F40T12 4' T12 Lamps		† Up to 15% Energy Savings • Improved Color Quality • No Ballast change req'd	• Up to 45% Energy Savings • Up to 45% Longer Life • Ballast change req'd ** Up to 40% Energy Savings	• Up to 45% Energy Savings • Up to 100% Longer Life • Ballast change req'd
F40/D30/ECO 30/CS 1/SKU 24521†	F40/WX 30/CS 1/SKU 23505	F34T12/941/SS/ECO 22425*	FO32/830/XP/ECO3 21759	FO32/835/XP/XL/ECO3 21576
F40/D830/ECO 30/CS 1/SKU 24543†				
F40/N/30/CS 1/SKU 24438†			FO32/835/XP/ECO3 21763	
F40/D35/ECO 30/CS 1/SKU 24537			or FO32/835/XV/ECO 20066	
F40/D835/ECO 30/CS 1/SKU 24546†				
F40/DWWP/230 30/CS 2/SKU 24644		F40T12/930/ECO 2/SKU 21376	FO32/830/XP/ECO3 21759	
F40/WWP/230 30/CS 2/SKU 24754				
F40/WW/SS/ECO/CP 30/CS 1/SKU 24785†		—	FO28/830/XP/SS/ECO3 22177**	
F40/CWP/CVP 10/CS 10/SKU 24400†	F40/CWX/CVP 10/CS 10/SKU 22461	F34T12/941/SS/ECO 22425*	FO32/841/XP/ECO3 21767	FO32/841/XP/XL/ECO3 21577
F40/D41/ECO 30/CS 1/SKU 24541†	F40/CWX 24441		or FO32/841/XV/ECO 20067	
F40/D841/ECO 30/CS 1/SKU 24553†				
F40/D41/30/CS 1/SKU 24584†				
F40/CWP/UPC/130 30/CS 1/SKU 24611	F40/CWX UPC 30/CS 1/SKU 24472			
F40/CWP/230 30/CS 2/SKU 24406	F40/CWX 30/CS 2/SKU 21371	F40T12/941/ECO 30/CS 2/SKU 22435		
F40/DCWP/230 30/CS 2/SKU 24744†				

6 F40T12 4' T12 Lamps (continued on next page)

* Made-to-order with 10,000 minimum order quantity.

Lamp Type Eliminated In 2012/Eliminated in 2014 Item Number	Minimum Replacement Item Number	Upgrade Item Number	Upgrade Item Number	Upgrade Item Number
		GOOD	BETTER	BEST
F40T12 4' T12 Lamps (continued)				
F40/D865/30/CS 1/SKU 24570	F40/DX 24477	F34/941/ECO 22425*	FO32/865/XP/ECO 21720	FO32/865/XPS/ECO 21659
F40/DAYLIGHT/6500K/16 6/CS 1/SKU 24774	F40/DX 6/CS 21377	—		
 F32T8 4' T8 Lamps		<ul style="list-style-type: none"> • Improved Color Quality • Higher Light Output • No Ballast change req'd 	<ul style="list-style-type: none"> ** Up to 12.5% Energy Savings • Up to 43% Longer Life • No Ballast change req'd 	<ul style="list-style-type: none"> • Up to 12.5% Energy Savings • Up to 43% Longer Life • Ballast change req'd
F32T8WWECO 30/CS 1/SKU 21346	FO32/730/XP/ECO 21711	FO32/830/ECO 21777	FO28/830/XV/SS/ECO 21429**	FO28/830/XP/SS/ECO3 22177
F32T8/735/ECONOMY/ECO 36/CS 1/SKU 21597	FO32/735/XP/ECO 22044	FO32/835/ECO 21779	FO32/835/XP/ECO3 21763 or FO32/835/XV/ECO 20066**	FO28/835/XP/SS/ECO3 22178 or FO28/835/XV/SS/ECO 21420
F32T8WECO 30/CS 1/SKU 21347			FO28/835/XP/SS/ECO3 21420**	FO28/835/XP/SS/ECO3 22178
F32T8/741/ECONOMY/ECO 36/CS 1/SKU 21618	FO32/741/XP/ECO 21712	FO32/841/ECO 21781	FO32/841/XP/ECO3 21767 or FO32/841/XV/ECO 20067**	FO28/841/XP/SS/ECO3 22179 or FO28/841/XV/SS/ECO 21421
F32T8CWECO 30/CS 1/SKU 21348			FO28/841/XP/SS/ECO3 21421**	FO28/841/XP/SS/ECO3 22179
 F25T12		<ul style="list-style-type: none"> • Improved Color Quality • No Ballast change req'd 	<ul style="list-style-type: none"> • Up to 45% Energy Savings • Up to 45% Longer Life • Ballast change req'd 	<ul style="list-style-type: none"> • Up to 45% Energy Savings • Up to 50% Longer Life • Ballast change req'd
F25T12/CW/UPC/30PK 30/CS 1/SKU 24492	F34/CWX/SS/UPC 30/CS 1/SKU 23501	F34T12/941/SS/ECO 22425*	FO32/841/XP/ECO3 21767 or FO32/841/XV/ECO 20067	FO28/841/XP/SS/ECO3 22179 or FO28/841/XV/SS/ECO 21421
 F96T12 HO High Output (800mA) 8' Lamps			<ul style="list-style-type: none"> • Up to 33% Energy Savings • Up to 43% Longer Life • Ballast change req'd ◆ Up to 20% Energy Savings 	
F96T12/WW/HO/SS 15/CS 1/SKU 25011◆	F96T12/941/HO/SS/ECO 25037	—	FO96/835/HO/ECO 22206	—
F96T12/D30/HO 15/CS 1/SKU 25149		—		—
F96T12/D830/HO 15/CS 1/SKU 25152		—		—
F96T12/D35/HO/SS 15/CS 1/SKU 25024		—		—
F96T12/D35/HO 15/CS 1/SKU 25165		—		—
F96T12/D835/HO 15/CS 1/SKU 25166		—		—

F96T12 HO 8' T12 Lamps (continued on next page)

* Made-to-order with 10,000 minimum order quantity.

Lamp Type Eliminated In 2012/Eliminated in 2014 Item Number	Minimum Replacement Item Number	Upgrade Item Number	Upgrade Item Number	Upgrade Item Number
		GOOD	BETTER	BEST
F96T12 HO 8' T12 Lamps (continued)				
F96T12/LW/HO/SS 15/CS 1/SKU 25025 ♦	F96T12/941/HO/SS/ECO 25037	—	FO96/841/HO/ECO 22207	—
F96T12/CW/HO/SS/ECO 126V 15/CS 1/SKU 25001 ♦		—		—
F96T12/CW/HO/SS 15/CS 1/SKU 25010 ♦		—		—
F96T12D41HO 15/CS 1/SKU 25184		—		—
F96T12/D841/HO 152V 15/CS 1/SKU 25155		—		—
F96T12/D865/HO 15/CS 1/SKU 25185		—	—	—
	F96T12 Instant Start 8' Slimline Lamps	<ul style="list-style-type: none"> • Improved Color Quality • Higher Light Output • No Ballast change req'd ♦ Up to 20% Energy Savings 	<ul style="list-style-type: none"> • Up to 33% Energy Savings • Up to 100% Longer Life • Ballast change req'd ** Up to 30% Energy Savings 	<ul style="list-style-type: none"> • Up to 38% Energy Savings • Up to 100% Longer Life • Ballast change req'd
F96T12/CW/SS15/CVP 15/CS 15/SKU 27401 **	F96T12/CWX/SS/RP 15/CS 15/SKU 28924	F96T12/941/SS/ECO 26322 *	FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424	FO96/50W/841/XP/SS/ECO3 22421 or FO96/50W/841/XV/SS/ECO 21425
F96T12/CW/SS/CP 15/CS 1/SKU 28015 **	F96T12/CWX/SS/UPC 15/CS 1/SKU 23503			
F96T12/CW/SS 15/CS 1/SKU 29815 **				
F96T12/CW/SS/ECO/UPC 15/CS 1/SKU 29512 **				
F96T12/CW/SS/UPC 15/CS 1/SKU 29816 **				
F96T12/CW/SS/ECO 15/CS 1/SKU 29505 **	F96T12/CWX 29478			
F96T12/LW/SS 15/CS 1/SKU 29820 **				
F96T12/D41/SS/ECO 15/CS 1/SKU 29853 ♦**			(50% Energy Savings)	
F96T12/D841/ECO 15/CS 1/SKU 29850 ♦			FO96/841/XP/ECO 22032	FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424
F96T12/D41/ECO 15/CS 1/SKU 29798 ♦				
F96T12/D41/UPC 15/CS 1/SKU 29852 ♦	F96T12/CWX/UPC 29489			
F96T12/D30/SS/ECO 15/CS 1/SKU 29809 **	F96T12/WX 15/CS 1/SKU 23504		FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424	FO96/50W/841/XP/SS/ECO3 22421 or FO96/50W/841/XV/SS/ECO 21425
F96T12/D30/ECO 15/CS 1/SKU 29796 ♦			FO96/830/XP/ECO 22036	FO96/54W/835/XP/SS/ECO3 22100
F96T12/WW/SS/ECO 15/CS 1/SKU 29795 **				—

F96T12 Instant Start 8' Slimline Lamps (continued on next page)

* Made-to-order with 10,000 minimum order quantity.

Lamp Type Eliminated In 2012/ <i>Eliminated in 2014</i> Item Number	Minimum Replacement Item Number	Upgrade Item Number	Upgrade Item Number	Upgrade Item Number
		GOOD	BETTER	BEST
F96T12 Instant Start 8' Slimline Lamps (continued)				
F96T12/D35/SS/ECO 15/CS 1/SKU 29808*	F96T12/WX 15/CS 1/SKU 23504	F96T12/941/SS/ECO 26322*	FO96/54W/835/XP/SS/ECO3 22100 or FO96/54W/835/XV/SS/ECO 21423	FO96/50W/835/XP/SS/ECO3 22420 or FO96/50W/835/XV/SS/ECO 21426
F96T12/D35/SS 15/CS 1/SKU 29819*			FO96/835/XP/ECO 22034	FO96/54W/835/XP/SS/ECO3 22100 or FO96/54W/835/XV/SS/ECO 21423
F96T12/D835/ECO 15/CS 1/SKU 29838♦				
F96T12/D835 15/CS 1/SKU 29843♦				
F96T12/D35/ 15/CS 1/SKU 29685♦				
F96T12/D35/ECO 15/CS 1/SKU 29686♦				
F96T12/D865 15/CS 1/SKU 29849	F96T12/DX 29500		—	—
F96T12/D865/SS 15/CS 1/SKU 29851				
F96T12/D35/ECO/212 12/CS 2/SKU 28981	F96T12/WX 12/CS 2/SKU 28926	F96T12/935/ECO 12/CS 2/SKU 28936	FO96/835/XP/ECO 22034	FO96/54W/835/XP/SS/ECO3 22100 or FO96/54W/835/XV/SS/ECO 21423
F96T12/CW/SS/CVP 10/CS 10/SKU 29805*	F96T12/CWX/SS/CVP 10/CS 10/SKU 23502	F96T12/941/ECO CVP 10/CS 28939	FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424	FO96/50W/841/XP/SS/ECO3 22421 or FO96/50W/841/XV/SS/ECO 21425
F96T12/CWSSECO212 12/CS 2/SKU 28985*	F96T12/CWX/SS 12/CS 2/SKU 28925			
F96T12/CW/SS/ECO 12/CS 2/SKU 29893*		F96T12/935/ECO 12/CS 2/SKU 29836		
F96T12/D35/ECO/CVP 10/CS 10/SKU 29688	F96T12/CWX/CVP 29858	F96T12/941/ECO CVP 10/CS 28939	FO96/835/XP/ECO 22034	FO96/54W/835/XP/SS/ECO3 22100 or FO96/54W/835/XV/SS/ECO 21423
F96T12/D41/CVP 10/CS 10/SKU 29797		F96T12/935/ECO 12/CS 2/SKU 29836	FO96/841/XP/ECO 22032	FO96/54W/841/XP/SS/ECO3 22101 or FO96/54W/841/XV/SS/ECO 21424

* Made-to-order with 10,000 minimum order quantity.

Lamp Type Eliminated In 2012/**Eliminated in 2014**
Item Number

Minimum Replacement
Item Number

Upgrade
Item Number

Upgrade
Item Number

Upgrade
Item Number

		GOOD	BETTER	BEST
	FB34T12 <i>(Curvalume, U-Shaped, 6" leg spacing)</i>	<ul style="list-style-type: none"> Improved Color Quality Higher Light Output No Ballast change req'd 	<ul style="list-style-type: none"> Up to 33% Energy Savings Up to 60% Longer Life Ballast change req'd 	<ul style="list-style-type: none"> Up to 36% Energy Savings Up to 60% Longer Life Ballast change req'd
FB34/WW/6/SS/ECO 12/CS 1/SKU 24052	FB40/CWX/6 24004	FB34/T12/930/6/SS/ECO 24965	FBO30/830/XP/6/SS/ECO 22170	FBO28/835/XP/6/SS/ECO 22304
FB34/D35/6/SS 12/CS 1/SKU 24065			FBO30/835/XP/6/SS/ECO 22171	
FB34/CW/6/SS/ECO 12/CS 1/SKU 24054		FB34T12/941/6/SS/ ECO/UPC 24308	FBO30/841/XP/6/SS/ECO 22172	FBO28/841/XP/6/SS/ECO 22305
FB34/CW/6/SS/UPC 12/CS 1/SKU 24059	FB40/CWX/6/UPC 24069			
FB34/WW/6/SS/UPC 12/CS 1/SKU 24062		FB34T12/930/6/SS/ECO 24965	FBO30/830/XP/6/SS/ECO 22170	FBO28/835/XP/6/SS/ECO 22304
	FB40T12 <i>(Curvalume, U-Shaped, 6" leg spacing)</i>	<ul style="list-style-type: none"> Improved Color Quality Up to 15% Energy Savings No Ballast change req'd 	<ul style="list-style-type: none"> Up to 30% Energy Savings Up to 55% Longer Life Ballast change req'd 	<ul style="list-style-type: none"> Up to 33% Energy Savings Up to 60% Longer Life Ballast change req'd
FB40/D830/6 12/CS 1/SKU 24017	FB40/CWX/6 24004	FB34T12/930/6/SS/ECO 24965	FBO32/830/6/ECO 21663	FBO30/830/XP/6/SS/ECO 22170
FB40/D30/6/ 12/CS 1/SKU 24080				
FB40/D35/6/ 12/CS 1/SKU 24081			FBO32/835/6/ECO 21670	FBO30/835/XP/6/SS/ECO 22171
FB40/D41/6 /12/CS 1/SKU 24082		FB34T12/941/SS/ ECO/UPC 24308	FBO32/841/6/ECO 21671	FBO30/841/XP/6/SS/ECO 22172

Consult your SYLVANIA sales professional for recommended ballast replacement.
For more information on Federal Lamp Legislation visit: www.sylvania.com -
Sustainability - Regulations and Legislation