

## ***SYLVANIA Replacement Guide For Fluorescent Lamps Eliminated In 2012 By DOE General Service Fluorescent Rulemaking***

In 2009 the United States Department of Energy issued efficacy standards for general service fluorescent lamps that implement new lumens per watt regulations for linear and U-bend types. The new standards, which become effective on July 14, 2012, will result in elimination of many inefficient 4-foot T12 and 2-foot T12 U-bend lamps, most 8-foot T12 lamps and some 4-foot T8 lamps from the marketplace. 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. Where item numbers are listed as TBD, OSRAM SYLVANIA does not currently manufacture these lamps, but plans to introduce them for sale before the effective legislation implementation date. For product availability and specific recommendations contact your SYLVANIA sales professional.

Lamp Type Eliminated In 2012 Item Number	Minimum Replacement Item Number	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement
FO32/741/ECO/UPC 30/CS 1/SKU 21524	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/735/ECO/PALLET 1776/CS 1/SKU 21545	FO32/735/XP/ECO 22044	FO32/835/ECO 21779 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: N Up to 28% longer life	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32730/ECO2P[OSL] 30/CS 2/SKU 21567	FO32/730/XP/ECO 21711	FO32/830/ECO 21777 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: N Up to 28% longer life	FO28/830/XP/SS/ECO3 22177 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO96/741/ECO/218 18/CS 2/SKU 21592	FO96/841/ECO 22149		FO96/841/XP/ECO 22032 Ballast Change Req'd: N Up to 20% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: N Up to 7% Energy Savings, Up to 50% longer life
FO32/741/ECO/CVP[OSL] 12/CS 12/SKU 21593	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life

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F32T8/735/ECONOMY/ECO 36/CS 1/SKU 21597	FO32/735/XP/ECO 22044	FO32/835/ECO 21779 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: N Up to 50% Longer Life	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: Y* Up to 6% Energy Savings, Up to 50% Longer Life
F32T8/741/ECONOMY/ECO 36/CS 1/SKU 21618	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 50% Longer Life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 6% Energy Savings, Up to 50% Longer Life
FO96/735/ECO 24/CS 1/SKU 21737	FO96/835/ECO 22148		FO96/835/XP/ECO 22034 Ballast Change Req'd: N Up to 20% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: N Up to 7% Energy Savings, Up to 50% longer life
FO96/741/ECO 24/CS 1/SKU 21763	FO96/841/ECO 22149		FO96/841/XP/ECO 22032 Ballast Change Req'd: N Up to 20% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: N Up to 7% Energy Savings, Up to 50% longer life
FO32/741/30/CS 1/SKU [OSRAM] 21830	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/750/OSRAM 30/CS 1/SKU 21896	FO32/750/XP/ECO TBD	FO32/850/ECO 22143 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/850/XP/ECO3 22026 Ballast Change Req'd: N Up to 28% longer life	FO28/850/XP/SS/ECO3 22326 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/765/OSRAM 30/CS 1/SKU 21964	FO32/765/XP/ECO TBD		FO32/865/XP/ECO 21720 Ballast Change Req'd: N Up to 28% longer life	

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FO32/730/ECO 30/CS 1/SKU 21997	FO32/730/XP/ECO 21711	FO32/830/ECO 21777 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: N Up to 28% longer life	FO28/830/XP/SS/ECO3 22177 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/735/ECO 30/CS 1/SKU 21998	FO32/735/XP/ECO 22044	FO32/835/ECO 21779 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: N Up to 28% longer life	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/741/ECO 30/CS 1/SKU 21999	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO96/730/ECO 24/CS 1/SKU 22030	FO96/830/ECO 22147		FO96/830/XP/ECO 22036 Ballast Change Req'd: N Up to 20% longer life	FO96/830/XP/SS/ECO3 22099 Ballast Change Req'd: N Up to 7% Energy Savings, Up to 50% longer life
FO32/750/ECO 30/CS 1/SKU 22141	FO32/750/XP/ECO TBD	FO32/850/ECO 22143 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/850/XP/ECO3 22026 Ballast Change Req'd: N Up to 28% longer life	FO28/850/XP/SS/ECO3 22326 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/741/ECO2P [OSL] 30/CS 2/SKU 22163	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/765/ECO 30/CS 1/SKU 22175	FO32/765/XP/ECO TBD		FO32/865/XP/ECO 21720 Ballast Change Req'd: N Up to 28% longer life	

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FO32/741/ECO/CVP 12/CS 12/SKU 22181	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/735/ECO/CVP 12/CS 12/SKU 22182	FO32/735/XP/ECO 22044	FO32/835/ECO 21779 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: N Up to 28% longer life	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/741/ECO/230 30/CS 2/SKU 22186	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/765/ECO/CVP 12/CS 12/SKU 22210	FO32/765/XP/ECO TBD		FO32/865/XP/ECO 21720 Ballast Change Req'd: N Up to 28% longer life	
FO32T8/765/ECO/CVP[OSL] 12/CS 12/SKU 22241	FO32/765/XP/ECO TBD		FO32/865/XP/ECO 21720 Ballast Change Req'd: N Up to 28% longer life	FO30/850/XP/SS/ECO3 22202 Ballast Change Req'd: N Up to 3% Energy Savings, Up to 50% longer life
FO32/741/ECO/RP 30/CS 30/SKU 22265	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/735/ECO/RP 30/CS 30/SKU 22266	FO32/735/XP/ECO 22044	FO32/835/ECO 21779 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: N Up to 28% longer life	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life

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FO32/750/ECO[OSRAM] 30/CS 1/SKU 22287	FO32/750/XP/ECO TBD	FO32/850/ECO 22143 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/850/XP/ECO3 22026 Ballast Change Req'd: N Up to 28% longer life	FO28/850/XP/SS/ECO3 22326 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FO32/741/ECO/PALLET 1776/CS 1/SKU 22317	FO32/741/XP/ECO 21712	FO32/841/ECO 21781 Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: N Up to 28% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: N Up to 6% Energy Savings, Up to 50% Longer Life
FB40/CW6/OSRAM 12/CS 1/SKU 24009	FB40/CWX/6 24004	FB40/841/6/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO32/841/6/ECO 21671 Ballast Change Req'd: Y* Up to 30% Energy Savings, UP to 11% longer Life	FBO30/841/XP/6/SS/ECO 22172 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life
FB40/D830/6 12/CS 1/SKU 24017	FB40/CWX/6 24004	FB40/830/6/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO32/830/6/ECO 21663 Ballast Change Req'd: Y* Up to 30% Energy Savings, UP to 11% longer Life	FBO30/830/XP/6/SS/ECO 22170 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life
FB34/WW/6SS/ECO (FB40WW6SSECO) 12/CS 1/SKU 24052	FB40/CWX/6 24004	FB34/830/6/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO30/830/XP/6/SS/ECO 22170 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life	FBO28/830/XP/6/SS/ECO 22303 Ballast Change Req'd: Y* Up to 36% Energy Savings, Up to 33% longer life
FB34/CW6/SS/ECO (FB40CW6SSECO) 12/CS 1/SKU 24054	FB40/CWX/6 24004	FB34/841/6/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO30/841/XP/6/SS/ECO 22172 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life	FBO28/841/XP/6/SS/ECO 22305 Ballast Change Req'd: Y* Up to 36% Energy Savings, Up to 33% longer life
FB34/CW/6/SS/UPC (FB40/CW/SS/6) 12/CS 1/SKU 24059	FB40/CWX/6/UPC 24069	FB34/841/6/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO30/841/XP/6/SS/ECO 22172 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life	FBO28/841/XP/6/SS/ECO 22305 Ballast Change Req'd: Y* Up to 36% Energy Savings, Up to 33% longer life

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FB34/WW/6/SS/UPC (FB40/WW/6/SS) 12/CS 1/SKU 24062	FB40/CWX/6/UPC 24069	FB34/830/6/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO30/830/XP/6/SS/ECO 22170 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life	FBO28/830/XP/6/SS/ECO 22303 Ballast Change Req'd: Y* Up to 36% Energy Savings, Up to 33% longer life
FB34/D35/6/SS (FB40D35SS) 12/CS 1/SKU 24065	FB40/CWX/6 24004	FB34/835/6/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO30/835/XP/6/SS/ECO 22171 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life	FBO28/835/XP/6/SS/ECO 22304 Ballast Change Req'd: Y* Up to 36% Energy Savings, Up to 33% longer life
FB40/D30/6/ 12/CS 1/SKU 24080	FB40/CWX/6 24004	FB40/830/6/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO32/830/6/ECO 21663 Ballast Change Req'd: Y* Up to 30% Energy Savings, UP to 11% longer Life	FBO30/830/XP/6/SS/ECO 22170 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life
FB40/D35/6/ 12/CS 1/SKU 24081	FB40/CWX/6 24004	FB40/835/6/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO32/835/6/ECO 21670 Ballast Change Req'd: Y* Up to 30% Energy Savings, UP to 11% longer Life	FBO30/835/XP/6/SS/ECO 22171 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life
FB40/D41/6 /12/CS 1/SKU 24082	FB40/CWX/6 24004	FB40/841/6/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO32/841/6/ECO 21671 Ballast Change Req'd: Y* Up to 30% Energy Savings, UP to 11% longer Life	FBO30/841/XP/6/SS/ECO 22172 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life
FB40/D/6/OSRAM 100V 12/CS 1/SKU 24330	FB40/CWX/6 24004	FB40/865/6/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FBO32/841/6/ECO 21671 Ballast Change Req'd: Y* Up to 30% Energy Savings, UP to 11% longer Life	FBO30/841/XP/6/SS/ECO 22172 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 33% longer life
F34/CW/SS/ECO/RP 30/CS 30/SKU 24394	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	F028/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life

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F40/CWP/CVP 10/CS 10/SKU 24400	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F40/CWP/230 30/CS 2/SKU 24406	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
L40/W/30-1 25/CS 1/SKU 24409	F40/CWX 24441	F40T12/830/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/830/XP/XL/ECO3 TBD Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F40/N/30/CS 1/SKU 24438	F40/CWX 24441	F40T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/835/XP/XL/ECO3 21576 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F40T12/CW/OSRAM 30/CS 1/SKU 24452	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F40/T12/D/OSRAM 30/CS 1/SKU 24458	F40/CWX 24441	F40T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/865/XP/ECO 21720 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/865/XPS/ECO 21659 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life
F25T12/CW/UPC/30PK 30/CS 1/SKU 24492	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life

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F40/D30/ECO 30/CS 1/SKU 24521	F40/CWX 24441	F40T12/830/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/830/XP/XL/ECO3 TBD Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D30/SS/ECO (F40D30SSECO) 30/CS 1/SKU 24535	F34/CWX/SS 24588	F34T12/830/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/830/XP/SS/ECO3 22177 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/830/XP/XL/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/D35/ECO 30/CS 1/SKU 24537	F40/CWX 24441	F40T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/835/XP/XL/ECO3 21576 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/WW/SS/ECO (F40WWSSECO) 30/CS 1/SKU 24538	F34/CWX/SS 24588	F34T12/830/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/830/XP/SS/ECO3 22177 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/830/XP/XL/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F34/D35/SS/ECO (F40D35SSECO) 30/CS 1/SKU 24540	F34/CWX/SS 24588	F34T12/835/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/835/XP/XL/SS/ECO3 22166 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/D41/ECO 30/CS 1/SKU 24541	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D41/SS/ECO (F40D41SSECO) 30/CS 1/SKU 24542	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life

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F40/D830/ECO 30/CS 1/SKU 24543	F40/CWX 24441	F40T12/830/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/830/XP/XL/ECO3 TBD Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D830/SS/ECO (F40D830SSECO) 30/CS 1/SKU 24544	F34/CWX/SS 24588	F34T12/830/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/830/XP/SS/ECO3 22177 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/830/XP/XL/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/D835/ECO 30/CS 1/SKU 24546	F40/CWX 24441	F40T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/835/XP/ECO3 21763 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/835/XP/XL/ECO3 21576 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D835/SS/ECO (F40D835SSECO) 30/CS 1/SKU 24547	F34/CWX/SS 24588	F34T12/835/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/835/XP/XL/SS/ECO3 22166 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/D841/ECO 30/CS 1/SKU 24553	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D841/SS/ECO (F40D841SSECO) 30/CS 1/SKU 24554	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F34/LW/SS/ECO (F40LWSSECO) 30/CS 1/SKU 24566	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life

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Lamp Type Eliminated In 2012 Item Number	Minimum Replacement Item Number	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement
F40/D865/30/CS 1/SKU 24570	F40/DX 24477	F40T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/865/XP/ECO 21720 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	FO32/865/XPS/ECO 21659 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life
F40/D41/30/CS 1/SKU 24584	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D35/SS (F40D35SS) 30/CS 1/SKU 24585	F34/CWX/SS 24588	F34T12/835/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/835/XP/XL/SS/ECO3 22166 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F34/LW/SS (F40LWSS) 30/CS 1/SKU 24590	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F34/W/SS (F40WSS) 30/CS 1/SKU 24591	F34/CWX/SS 24588	F34T12/835/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/835/XP/SS/ECO3 22178 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/835/XP/XL/SS/ECO3 22166 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/CW/SS/ECO (F40CWSSECO) 30/CS 1/SKU 24596	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/CWP/UPC/130 30/CS 1/SKU 24611	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life

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F34/CW/SS/ECO/CVP (F40CWSSECOCVP) 10/CS 10/S 24632	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F34/CW/SS/ECO/RP (F40CWSSECORP) 30/CS 2/SKU 24633	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F34/CW/SS/ECO/UPC (F40CWSSECOUNPC) 30/CS 1/SK 24634	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/DWWP/230 30/CS 2/SKU 24644	F40/CWX 24441	F40T12/830/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/830/XP/XL/ECO3 TBD Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/D865/SS (F40D865SS) 30/CS 1/SKU 24706	F34/DX/SS 24599	F34T12/865/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/865/XP/ECO 21720 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F032/865/XPS/ECO 21659 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life
F34/CW/SS/ECO/CVP [OSL] 10/CS 10/SKU 24743	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/DCWP/230 30/CS 2/SKU 24744	F40/CWX 24441	F40T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/841/XP/ECO3 21767 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/841/XP/XL/ECO3 21577 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life

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F40/WWP/230 30/CS 2/SKU 24754	F40/CWX 24441	F40T12/830/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/830/XP/ECO3 21759 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/830/XP/XL/ECO3 TBD Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F40/DAYLIGHT/6500K/1/6 6/CS 1/SKU 24774	F40/DAYLIGHTFULLSPECTRUM 24773	F40T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/865/XP/ECO 21720 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/865/XPS/ECO 21659 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life
F40/WW/SS/ECO/CP 30/CS 1/SKU 24785	F34/CWX/SS 24588	F34T12/830/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/830/XP/SS/ECO3 22177 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/830/XP/XL/ECO3 TBD Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 100% longer life
F34/CW/SS/ECO/CP 30/CS 1/SKU 24786	F34/CWX/SS 24588	F34T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO28/841/XP/SS/ECO3 22179 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 50% longer life	F028/841/XP/XL/SS/ECO3 22167 Ballast Change Req'd: Y* Up to 40% Energy Savings, Up to 100% longer life
F40/DAYLIGHT/6500K/16RP[OSL] 6/CS 1/SKU 24796	F40/DAYLIGHTFULLSPECTRUM 24773	F40T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO32/865/XP/ECO 21720 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life	F032/865/XPS/ECO 21659 Ballast Change Req'd: Y* Up to 45% Energy Savings, Up to 50% longer life
F96T12/CW/HO/SS/ECO 126V 15/CS 1/SKU 25001	F96T12/841/HO/SS/ECO TBD		FO96/841/HO/ECO 22207 Ballast Change Req'd: Y* Up to 30% Energy Savings, Up to 25% longer life	:
F96T12/CW/HO/SS 15/CS 1/SKU 25010	F96T12/841/HO/SS/ECO TBD		FO96/841/HO/ECO 22207 Ballast Change Req'd: Y* Up to 30% Energy Savings, Up to 25% longer life	

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F96T12/WW/HO/SS 15/CS 1/SKU 25011	F96T12/830/HO/SS/ECO TBD		FO96/830/HO/ECO TBD Ballast Change Req'd: Y* Up to 20% Energy Savings, Up to 50% Longer Life	
F96T12/D35/HO/SS 15/CS 1/SKU 25024	F96T12/835/HO/SS/ECO TBD		FO96/835/HO/ECO 22206 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	
F96T12/LW/HO/SS 15/CS 1/SKU 25025	F96T12/841/HO/SS/ECO TBD		FO96/841/HO/ECO 22207 Ballast Change Req'd: Y* Up to 20% Energy Savings, Up to 25% Longer Life	
F96T12/D30/HO 15/CS 1/SKU 25149	F96T12/830/HO/ECO TBD		FO96/830/HO/ECO TBD Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	
F96T12/D830/HO 15/CS 1/SKU 25152	F96T12/830/HO/ECO TBD		FO96/830/HO/ECO TBD Ballast Change Req'd: Y* Up to 30% Energy Savings, Up to 50% longer life	
F96T12/D841/HO 152V 15/CS 1/SKU 25155	F96T12/841/HO/ECO TBD		FO96/841/HO/ECO 22207 Ballast Change Req'd: Y* Up to 20% Energy Savings	
Lamp Type Eliminated In 2012 Item Number	Minimum Replacement Item Number	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement

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Lamp Type Eliminated In 2012 Item Number	Minimum Replacement Item Number	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement
F96T12/D35/HO 15/CS 1/SKU 25165	F96T12/835/HO/ECO TBD		FO96/835/HO/ECO 22206 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	
F96T12/D835/HO 15/CS 1/SKU 25166	F96T12/835/HO/ECO TBD		FO96/835/HO/ECO 22206 Ballast Change Req'd: Y* Up to 20% Energy Savings	
F96T12/D/HO/OSRAMONLY 15/CS 1/SKU 25174	F96T12/865/HO/ECO TBD			
F96T12D41HO 15/CS 1/SKU 25184	F96T12/841/HO/ECO TBD		FO96/841/HO/ECO 22207 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 100% longer life	
F96T12/D865/HO 15/CS 1/SKU 25185	F96T12/865/HO/ECO TBD			
F96T12/CW/SS/15/CVP 15/CS 15/SKU 27401	F96T12/CWX/CVP 29858	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS/CP 15/CS 1/SKU 28015	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life

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F96T12/D35/ECO/212 12/CS 2/SKU 28981	F96T12/CWX 29478	F96T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/835/XP/ECO 22034 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12CWSSECO212 12/CS 2/SKU 28985	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
FO96/741/ECO 18/CS 2/SKU 28987	FO96/841/ECO 22149		FO96/841/XP/ECO 22032 Ballast Change Req'd: N Up to 20% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: N Up to 7% Energy Savings, Up to 50% longer life
F96T12/CW/OSRAM 15/CS 1/SKU 29467	F96T12/CWX 29478	F96T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D/OSRAM 15/CS 1/SKU 29487	F96T12/DX 29500	F96T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output		
F96T12/D/EXPORT 15/CS 1/SKU 29493	F96T12/DX 29500	F96T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output		
F96T12/CW/EXPORT 15/CS 1/SKU 29494	F96T12/CWX 29478	F96T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 25% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 25% Longer Life

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F96T12/CW/SS/ECO 15/CS 1/SKU 29505	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS/ECO/UPC 15/CS 1/SKU 29512	F96T12/CWX/UPC 29489	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS/ECO/RP 15/CS 15/SKU 29517	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T8/D 24/CS 1/SKU 29650	FO96/850/ECO 22173		FO96/850/XP/ECO 22174 Ballast Change Req'd: Y* Up to 100% longer Life	FO96/850/XP/SS/ECO3 22347 Ballast Change Req'd: Up to 100% longer Life
F96T8/CW 24/CS 1/SKU 29666	FO96/841/ECO 22149		FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 100% longer Life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Up to 100% longer Life
F96T12/D35 15/CS 1/SKU 29685	F96T12/CWX 29478	F96T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/835/XP/ECO 22034 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 25% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D35/ECO 15/CS 1/SKU 29686	F96T12/CWX 29478	F96T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Ouptut	FO96/835/XP/ECO 22034 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life

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F96T12/D35/ECO/CVP 10/CS 10/SKU 29688	F96T12/CWX/CVP 29858	F96T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/835/XP/ECO 22034 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/WW/SS/ECO 15/CS 1/SKU 29795	F96T12/CWX 29478	F96T12/830/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/830/HO/ECO TBD Ballast Change Req'd: Y* Up to 20% Energy Savings, Up to 50% Longer Life	
F96T12/D30/ECO 15/CS 1/SKU 29796	F96T12/CWX 29478	F96T12/830/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/830/XP/ECO 22036 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/830/XP/SS/ECO3 22099 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D41/CVP 10/CS 10/SKU 29797	F96T12/CWX/CVP 29858	F96T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D41/ECO 15/CS 1/SKU 29798	F96T12/CWX 29478	F96T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS/CVP 10/CS 10/SKU 29805	F96T12/CWX/CVP 29858	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 0 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D35/SS/ECO 15/CS 1/SKU 29808	F96T12/CWX 29478	F96T12/835/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/835/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 50% Energy Savings, Up to 50% Longer Life

## SYLVANIA Replacement Guide For Fluorescent Lamps Eliminated In 2012 By DOE General Service Fluorescent Rulemaking

Lamp Type Eliminated In 2012 Item Number	Minimum Replacement Item Number	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement	Upgrade Item Number Ballast Change Req'd Performance Improvement
F96T12/D30/SS/ECO 15/CS 1/SKU 29809	F96T12/CWX 29478	F96T12/830/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/830/XP/SS/ECO3 22099 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/830/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS 15/CS 1/SKU 29815	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS/UPC 15/CS 1/SKU 29816	F96T12/CWX/UPC 29489	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D35/SS 15/CS 1/SKU 29819	F96T12/CWX 29478	F96T12/835/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/835/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 50% Energy Savings, Up to 50% Longer Life
F96T12/LW/SS 15/CS 1/SKU 29820	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 25% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 50% Energy Savings, Up to 25% Longer Life
F96T12/D835/ECO 15/CS 1/SKU 29838	F96T12/CWX 29478	F96T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/835/XP/ECO 22034 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D835 15/CS 1/SKU 29843	F96T12/CWX 29478	F96T12/835/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/835/XP/ECO 22034 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/835/XP/SS/ECO3 22100 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life

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F96T12/D865 15/CS 1/SKU 29849	F96T12/DX 29500	F96T12/865/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output		
F96T12/D841/ECO 15/CS 1/SKU 29850	F96T12/CWX 29478	F96T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D865/SS 15/CS 1/SKU 29851	F96T12/DX 29500	F96T12/865/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output		
F96T12/D41/UPC 15/CS 1/SKU 29852	F96T12/CWX/UPC 29489	F96T12/841/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/ECO 22032 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 38% Energy Savings, Up to 50% Longer Life
F96T12/D41/SS/ECO 15/CS 1/SKU 29853	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Y* Up to 50% Energy Savings, Up to 50% Longer Life
F96T12/CW/SS/ECO 12/CS 2/SKU 29893	F96T12/CWX 29478	F96T12/841/SS/ECO TBD Ballast Change Req'd: N Improved Color Quality, Higher Light Output	FO96/841/XP/SS/ECO3 22101 Ballast Change Req'd: Y* Up to 33% Energy Savings, Up to 50% longer life	FO96/49W/841/XP/SS/ECO3 TBD Ballast Change Req'd: Up to 38% Energy Savings, Up to 50% Longer Life

\* Consult your SYLVANIA Sales Professional for recommended ballast replacement.