

































































Energy Saving Solutions

Philips Sustainable Solutions offer great performance while reducing energy consumption
















































































PHILIPS
sense and simplicity

Energy Efficient Retrofit Upgrade Solutions Upgrade your system by simply upgrading the lamps

CURRENT LAMP	PHILIPS ENERGY SAVING UPGRADE PRODUCT	RATED AVERAGE LIFE [†]	ENERGY SAVINGS (PER LAMP)	WATTS SAVED (PER LAMP)	OTHER BENEFITS	BENEFIT OF UPGRADING
Standard 100W Incandescent	 Philips Energy Saver Twister 32W	12,000 hrs.	\$81.60[†]	68W^{††}	 	<ul style="list-style-type: none"> Instant on
Standard 100W Incandescent	 Philips Energy Advantage Halogen T60 70W	3000 hrs.	\$9.00[†]	30W^{††}	    	<ul style="list-style-type: none"> Instant on Sparkling, white light No mercury Dimmable
Standard 50/100/150W Incandescent 3-Way	 Philips Energy Saver 3-Way Twister 11/23/34W	10,000 hrs.	\$116.00^{††}	116W^{††}	 	<ul style="list-style-type: none"> Save 39/77/116 watts in your 3-Way lamps Double Helix Technology utilizes two separate burners to provide three distinct light levels
Standard 40W Incandescent Decorative	 Philips Halogen Decorative 25W	3000 hrs.	\$4.50[†]	15W^{††}	 	<ul style="list-style-type: none"> Fully dimmable Bright, crisp, sparkling, incandescent-like, white light
Standard Halogen 60W PAR38 Reflector	 Philips MasterColor® Integrated PAR38 25W	15,000 hrs.	\$52.50[†]	35W^{††}	  	<ul style="list-style-type: none"> High CRI Crisp, white light Reduced maintenance costs
Standard Halogen 60W PAR38 Reflector	 Philips Energy Advantage Halogen IRC PAR38 40W	4200 hrs.	\$8.40[†]	20W^{††}	   	<ul style="list-style-type: none"> Up to 42 layers of IR coating on double ended burner—allowing for more efficient use of IR beam technology
Standard Halogen 90W PAR38 Reflector	 Philips Energy Advantage Halogen IR PAR38 60W	4200 hrs.	\$12.60[†]	30W^{††}	 	<ul style="list-style-type: none"> Up to 33% energy savings with IRC technology⁴
Standard Halogen 75W PAR30 Reflector	 Philips Energy Advantage Halogen IR PAR30S 50W	4200 hrs.	\$10.50[†]	25W^{††}	 	<ul style="list-style-type: none"> Up to 42 layers of IR coating on double ended burner—allowing for more efficient use of IR beam technology
Standard Halogen 50W MR16	 Philips Energy Advantage Halogen IR MR16 35W	5000 hrs.	\$7.50[†]	15W^{††}	 	<ul style="list-style-type: none"> Up to 30% energy savings⁵ UV block reduces color fading No back-light eliminates sparkle from open-back fixtures
Standard 40W PL-L	 Philips Energy Advantage PL-L 25W	24,000 hrs. @ 12 hr. Start	\$16.80[†]	7W^{††,1}	 	<ul style="list-style-type: none"> 95% lumen maintenance 18% energy savings vs. the Standard 40W PL-L¹ 82 CRI—Excellent color rendering
Standard 32W PL-T	 Philips Energy Advantage PL-T 27W featuring ALTO® Lamp Technology	20,000 hrs. @ 12 hr. Start	\$10.00[†]	5W^{††,2}	  	<ul style="list-style-type: none"> 88% lumen maintenance 15.6% energy savings vs. the Standard 32W PL-T² Only 1.4 mg of mercury
Standard 26W PL-C	 Philips Energy Advantage PL-C 21W featuring ALTO® Lamp Technology	16,000 hrs. @ 12 hr. Start	\$8.00[†]	5W^{††,3}	  	<ul style="list-style-type: none"> 88% lumen maintenance 19% energy savings vs. the Standard 26W PL-C³ Only 1.4 mg of mercury
Standard 54W 4ft T5 HO	 Philips Energy Advantage T5 HO 49W 4ft featuring ALTO® Lamp Technology	35,000 hrs. @ 12 hr. Start	\$17.50[†]	5W^{††}		<ul style="list-style-type: none"> Dimmable Increased lumens per watt 95% lumen maintenance 36 month warranty period
Standard 59W 8ft T8	 Philips Energy Advantage T8 51W 8ft featuring ALTO® Lamp Technology	30,000 hrs. @ 12 hr. Start	\$24.00[†]	8W^{††}	  	<ul style="list-style-type: none"> Higher CRI 24 month warranty period Up to 50% more life than a standard 8ft T12 lamp
Standard 32W 4ft T8	 Philips Energy Advantage T8 XLL 25W 4ft featuring ALTO II™ Technology	40,000 hrs. @ 12 hr. Instant Start	\$28.00[†]	7W^{††}	  	<ul style="list-style-type: none"> Only 1.7 mg of mercury 97% lumen maintenance 48 month warranty period Save 7 watts per lamp Extra Long Life extends the relamping cycle
Standard 32W 4ft T8	 Philips Energy Advantage T8 25W 4ft featuring ALTO II™ Technology	30,000 hrs. @ 12 hr. Instant Start	\$21.00[†]	7W^{††}	 	<ul style="list-style-type: none"> Only 1.7 mg of mercury 97% lumen maintenance 36 month warranty period Fully dimmable without burn-in
Standard 32W 4ft T8	 Philips Energy Advantage T8 28W 4ft featuring ALTO II™ Technology	30,000 hrs. @ 12 hr. Instant Start	\$12.00[†]	4W^{††}		<ul style="list-style-type: none"> Only 1.7 mg of mercury 97% lumen maintenance 36 month warranty period Fully dimmable without burn-in
Standard 32W T8 U-Bent	 Philips Energy Advantage T8 U-Bent 25W featuring ALTO Lamp Technology	24,000 hrs. @ 12 hr. Instant Start	\$16.80[†]	7W^{††}		<ul style="list-style-type: none"> Only 3 mg of mercury 36 month warranty period
Standard 400W Metal Halide	 Philips Metal Halide 360W	20,000 hrs.	\$80.00[†]	40W^{††}		<ul style="list-style-type: none"> Energy savings without changing a ballast

See back page for footnotes.

Energy Efficient System Upgrade Solutions Replace lamps and ballasts to meet lighting requirements

CURRENT LAMP AND BALLAST	PHILIPS ENERGY SAVING UPGRADE PRODUCT	RATED AVERAGE LIFE ¹	PHILIPS LIGHTING ELECTRONICS N.A. BALLAST UPGRADE	ENERGY SAVINGS	SYSTEM WATTS SAVED	OTHER BENEFITS	BENEFIT OF UPGRADING
Standard 90W Halogen PAR38 Reflector	 Philips Mini MasterColor [®] Ceramic Metal Halide 22W	12,000 hrs.	RMH 20KLF or RMH 20ELF	\$77^s	64W^{ss}	 	• 90 CRI
Standard 34W 4ft T12 with Electromagnetic Ballast	 Philips Energy Advantage T8 XLL 25W 4ft featuring ALTO II [™] Technology	40,000 hrs. @ 12 hr. Instant Start	Optanium [®] High Efficiency Ballast IOP-2P32-SC	\$136^s	34W^{ss}	   	• Only 1.7 mg of mercury • Longest life for increased savings on maintenance and recycling costs
Standard 34W 4ft T12 with Electromagnetic Ballast	 Philips Energy Advantage T8 25W 4ft featuring ALTO II [™] Technology	30,000 hrs. @ 12 hr. Instant Start	Optanium [®] High Efficiency Ballast IOP-2P32-SC	\$102^s	34W^{ss}	   	• Only 1.7 mg of mercury • Long life for increased savings on maintenance and recycling costs
Standard 34W 4ft T12 with Electromagnetic Ballast	 Philips T8 32W 4ft featuring ALTO II [™] Technology	30,000 hrs. @ 12 hr. Instant Start	Optanium [®] High Efficiency Ballast IOP-2P32-LW-SC	\$72^s	24W^{ss}	   	• Only 1.7 mg of mercury • Increased color rendering • 30 month warranty period • 95% lumen maintenance
Standard 60W 8ft T12 with Electromagnetic Ballast	 Philips Energy Advantage T8 51W 8ft featuring ALTO Lamp Technology	30,000 hrs. @ 12 hr. Instant Start	Optanium [®] High Efficiency Ballast IOP-2P59-SC	\$105^s	35W^{ss}	   	• 90% lumen maintenance • Extends the relamping cycle
Standard 60W 8ft T12 with Electromagnetic Ballast	 Philips Energy Advantage T8 XLL 32W 4ft featuring ALTO II [™] Technology	40,000 hrs. @ 12 hr. Instant Start	Optanium [®] High Efficiency Ballast IOP-2P32-HL-SC	\$208^s	52W^{ss}	   	• 48 month warranty period • 97% lumen maintenance • Over 3x life of 8ft T12 lamps
Standard 70W High Pressure Sodium with 70W HPS Ballast	 Philips CosmoWhite [™] 60W	20,000 hrs.	CosmoWhite [™] Ballast	\$48^s	24W^{ss}	   	• Compact size • Uses less poles on the street/highway
Standard 150W High Pressure Sodium with 150W HPS Ballast	 Philips CosmoWhite [™] 140W	30,000 hrs.	CosmoWhite [™] Ballast	\$105^s	35W^{ss}	   	• Compact size • Uses less poles on the street/highway
Standard 400W High Pressure Sodium with 400W HPS Ballast	 Philips MasterColor [®] CDM Elite MW 315W	20,000 hrs.	e-Vision [®] Electronic Ballast	\$224^s	112W^{ss}	   	• 92% ballast efficacy • >90 CRI • Up to 120 lumens per watt
Standard 100W Mercury Vapor with 100W MV Ballast	 Philips QL Induction 55W	100,000 hrs.	QL Induction Generator	\$700^s	70W^{ss}	   	• Long life • Instant on/off
Standard 175W Mercury Vapor with 175W MV Ballast	 Philips ED23½ 100W	24,000 hrs.	Pulse Start Metal Halide Ballast	\$185^s	77W^{ss}	   	• Retrofits into an existing fixture
Standard 175W Mercury Vapor with 175W MV Ballast	 Philips CosmoWhite [™] 90W	30,000 hrs.	CosmoWhite [™] Ballast	\$315^s	105W^{ss}	   	• Crisp, white light • Uses less poles on the street/highway
Standard Quartz Metal Halide ⁶ with CWA Ballast	 Philips MasterColor [®] CDM Elite MW 210W (System = 229W)	20,000 hrs.	DynaVision [®] Ballast ITZMH2103156RLF	\$466^s	233W^{ss}	   	• 92% ballast efficacy • 90 CRI
Standard 400W Metal Halide with 400W Probe Start Ballast	 Philips Pulse Start Metal Halide 320W	20,000 hrs.	Pulse Start Metal Halide Ballast	\$180^s	90W^{ss}	   	• Retrofits into an existing fixture
Standard 400W Metal Halide with 400W Probe Start Ballast	 Philips T8 VHO 84W 4ft with Amalgam featuring ALTO Lamp Technology	30,000 hrs. @ 12 hr. Prog. Start	Optanium [®] High Efficiency Ballast JOP-2S84-G	\$264^s	88W^{ss}	   	• Reduce TCOO by reducing energy costs • 277V–480V input voltage range—no need for rewiring • Lumen output >90% from 50°F–160°F due to amalgam technology
Standard 400W Metal Halide with Electromagnetic Ballast	 Philips Advantage T8 32W 4ft featuring ALTO II [™] Technology (3100 Lumens)	36,000 hrs. @ 12 hr. Prog. Start	IOP-4P32-HL-90C-G and IOP-2P32-HL-SC	\$752^s	215W^{ss}	     	• Dimmable system • Instant on

OTHER BENEFITS KEY

-  White light
-  Long life
-  Quality of light
-  No mercury
-  Low Mercury
-  Reduced Maintenance Costs

Philips Lighting Company
200 Franklin Square Drive
P.O. Box 6800
Somerset, NJ 08875-6800
1-800-555-0050
A Division of Philips Electronics North America Corporation

Philips Lighting
281 Hillmount Road
Markham, Ontario
Canada L6C 2S3
1-800-555-0050
A Division of Philips Electronics Ltd.

www.philips.com

Philips Lighting Electronics N.A.
10275 West Higgins Road
Rosemont, IL 60018
Tel: 800-322-2086 Fax: 888-423-1882
Customer Support/Technical Service: 800-372-3331
OEM Support: 866-915-5886
A Division of Philips Electronics North America Corporation

www.philips.com/advance

Footnotes:

‡ Rated average life is the length of operation (in hours) at which point an average of 50% of a large sample of lamps will still be operational and 50% will not.

† Based on "watts saved" multiplied by "upgrade product rated average life" divided by [1000 x kWh rate (.10)] = Amount saved in dollars.

†† Current lamp watts - Upgrade watts.

§ Energy savings is over the rated average life of the lamp. The number can be calculated as follows:
[("System Watts Saved" x "Rated Average Life") / 1000] x kWh rate (\$.10).

§§ System watts saved = Current system wattage (based on lamp wattage and ballast factor) - Upgrade system wattage (based on wattage in LENA Atlas).

1. On Instant Start ballast, a standard 40W PL-L only draws 32W, so the actual savings is 7W (32W-25W=7W). This is an energy savings of 18% over the standard 40W PL-L (7W/40W=18%).
2. The actual savings when switching from a standard 32W PL-T to a Philips Energy Advantage 27W PL-T is 5W (32W-27W=5W and 5W/32W=15.6%).
3. The actual savings when switching from a standard 26W PL-C to a Philips Energy Advantage 21W PL-C is 5W (26W-21W=5W and 5W/26W=19%).
4. When upgrading from a Standard Halogen 90W PAR38 Reflector to a Philips Halogen Energy Advantage IR 60W PAR38, you save 30W which is 33% of the original 90W lamp.
5. When upgrading from a Standard Halogen 50W MR16 to a Philips Halogen Energy Advantage IR 35W MR16, you save 15W which is 30% of the original 50W lamp.
6. For a Standard Quartz Metal Halide system, where the lamp is 400 watts, the entire system consumes 462 watts.
7. Savings are based on the highest wattage (34W vs. 150W).



©2009 Philips Lighting Company, A Division of Philips Electronics North America Corporation

All rights reserved. Reproduction in whole or part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights. Data subject to change without notice.

Printed in USA 3/09

P-5996