

Retrofit

	Revision Annual Energy Cost Comparisons	59
	STR – SofTrace Retrofit	60
	WSR – WW Select Retrofit	61
	IPR – Internal Parabolic Retrofit	62
	ILR – Internal Troffer Retrofit	63
	TRR – Recessed Strip Retrofit	64
	SR – Strip Retrofit	65

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Revision Overview

Revision is a series of retrofit products designed to update existing luminaires with modern lamp and ballast systems, efficient lamp configurations and (in some models) updated optical packages. These products allow significant energy savings to be realized without the need for entirely new luminaires and their associated installation costs. Each product will have its own individual name while the Revision title will encompass all Philips Day-Brite retrofit products.

Retrofits can reduce energy usage by more than 50% while providing improved lighting quality and reducing maintenance requirements.

Retrofit Advantages

- Reduced installation costs** – Retrofits typically require less installation labor compared to replacing an existing luminaire with a new one. Day-Brite Revision products require only 5 minutes or less to install, and in many cases do not require a licensed electrician for installation.
- Reduced exposure to building upgrade costs** – Installation of a retrofit does not require access to the plenum, changes to plenum wiring, or removal of the existing housing. Because there is no need to access the ceiling, there is no risk of discovering hazardous materials in an older building (and having the associated obligation to remove.)
- Modern lamp/ballast systems** – Retrofits provide the opportunity to upgrade to the most modern electrical systems. Upgrading ballast(s) and lamps provides significant energy savings (and the associated reduction in HVAC costs) and typically provides additional benefits like longer lamp life/warranty for reduced maintenance.
- Efficient 2-lamp configuration** – Revision products utilize a 2-lamp cross-section to maximize optical efficiency compared to 3-lamp or 4-lamp configurations. Lumen packages are controlled by lamp selection and ballast factor rather than by varying the number of lamps, allowing precise control of energy use and light levels without compromising optical efficiency. Light levels of existing 3-lamp and 4-lamp systems can be maintained if desired. The 2-lamp cross-section reduces the number of lamps to purchase, install and maintain compared to 3-lamp or 4-lamp systems.
- Lighting quality** – The SofTrace Retrofit and WW Select Retrofit products improve lighting quality in addition to saving energy. A controlled amount of light in the high angles provides an evenly illuminated room with excellent visual comfort, without the glare of a troffer or the cave effect of a parabolic. This improved lighting quality can reduce the illumination levels required and increase energy savings.
- Warranty** – Revision products ordered with generic electrical system are provided with Philips Advance ballast and Philips lamps. Luminaire, ballast and lamps coming from the same company means a single point of contact for any warranty claims.
- UL** – Revision products come fully wired from the factory and are UL classified. This approach provides a factory warranty for the wiring, eliminates any wiring confusion in the field, and results in a UL approved product after installation (unlike unassembled, unwired retrofit “kits.”)

Note: An examination of existing light levels is strongly recommended during the retrofit analysis. Many existing systems (especially 3-lamp and 4-lamp luminaires) provide more light than recommended by IES guidelines. Reduction of light levels to IES recommended levels in those applications will provide an opportunity for additional energy savings.