

SpeedyLight+

LED-based UV Cure for CIPP



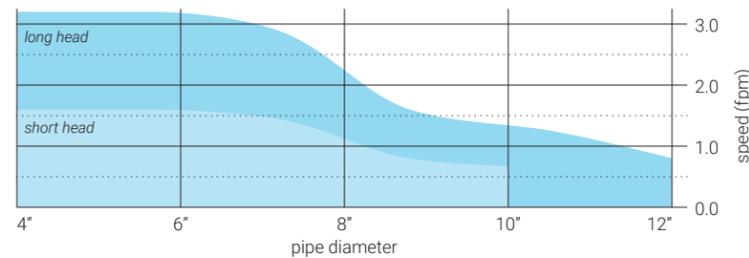
Cure felt and GFRP liners up to 3.3 fpm with no styrene.

SpeedyLight+ LED-Based UV Cure for CIPP

Cure Faster. Tackle Challenging Applications.
Reduce Costs and Complaints.

Cure up to 3.3 fpm.

SpeedyLight+ cures at speeds ranging from 0.66 to 3.3 fpm—up to five times faster than traditional technologies. This reduces time at job sites and increases the number of jobs per day. Curing speed is determined primarily by line size, UV output, material type and liner thickness.



Reline bends, transitions and verticals.

Because SpeedyLight+ is compatible with felt (as well as invertible glass fiber), it can cure 90-degree bends in lines down to 4", as well as other challenging geometries.

Rapid cure also makes SpeedyLight+ ideal for vertical runs where downtime must be minimized. (A five-story segment can be cured in as little as 20 minutes, whereas ambient cure can take several hours.)

The patent-pending curing head has LEDs on two opposing sides of a non-cylindrical housing, separated by cooling fins. The rotation of the head generates high-energy radiation in opposing directions, increasing UV density and optimizing penetration. This doubles energy at the liner surface compared to static LEDs, making it ideal for thicker linings and larger pipe diameters.



The SpeedyLight+ reel holds 164' (or up to 328' on request) of 0.8" rigid elastic hose to carry power, video signal and compressed air (for head cooling and liner pressurization).



Achieve greater efficiency.

UV cure requires substantially less energy than steam or hot water. Compared to lamp-based UV technology, the UV LEDs in SpeedyLight+ use three times less energy and emit four times more UV radiation. In addition, SpeedyLight+ weighs just 150 lb, reducing transport costs and setup time.

Minimize concerns and complaints.

Without styrene and amines (and the associated odor), UV-based cure technologies like SpeedyLight+ raise fewer objections from the public and your crew.



Avoid complexity and risks.

PRT's resin and liner system consists of a synthetic polyester felt carrier impregnated with styrene-free vinyl ester resin. A polyurethane coating on the liner balances flexibility with long-wave UV light transmission. The liner can be impregnated on-site or at your facility—curing only begins when the resin is exposed to UV light. The single-component resin saves the time and risk associated with mixing.

interchangeable heads	extra-small	short	long
	300W 3-6" pipe	400W 4-8" pipe	800W 4-12" pipe

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