

LIGHTRAY LRS SYSTEM

The LightRay LRS is a revolutionary install system designed around the LMK Shorty T-Liner product. Instead of relying on ambient or heat assist methods, the Shorty UV liner is cast in place with the LRS using a proprietary UV activated resin paired with a fiberglass Shorty liner. The liner casts only when exposed to our proprietary cold LED light launcher and light train which are required to cast the liner. Our simple system bolts onto an existing LMK ambient system and allows the operator complete control over the casting process, very closely resembling the procedure for installing a standard Shorty. The system does not create excess heat and a Shorty UV liner can be cast in as quickly as 10 minutes.

Shorty UV liners arrive fully assembled and ready to install without any need for field impregnation or refrigeration. This greatly reduces the variability from mixing and preparing liners but also eliminates the requirement for extra equipment in the field allowing for rapid deployment of the system. The LRS system uses non-thermal UV casting resin that is temperature stable and only activated by UV light reducing the risk of the liner cooking prematurely. The liners are customer configurable Shorty UV liners that arrive complete with Insignia O-rings and top hats. No matter the temperature in the working environment, the casting times are consistent every time.



- No complex parts or computer regulated movement
- The UV cast Shorty is available in mainline diameters of 8, 10 and 12 inches with lateral diameters of 4 and 6 inches
- Insignia hydrophilic O-rings included with every liner for leak free installations and the translucent liner verifies no leakage once cast in place
- Our proprietary UV launcher and light train casts the full mainline wrap and up to 10 feet up the lateral
- The LRS fiberglass liner has a flexural modulus in excess of 1,000,000 psi, exceeding the requirements of ASTM F1216 and is much stronger than traditional felt liners
- All liners arrive pre-wet out, ready to install and can be stored for up to 6 months
- Our proprietary UV resin does not rely on elevated temperatures to cast or create excess heat
- All systems sold come with a 1-year limited warranty and training included
- Designed, built, and supported in the USA