

LIGHTRAY™



by SPARTAN TOOL



SCAN ME

SOLVE YOUR CUSTOMERS' PIPE PROBLEMS

GROW YOUR BUSINESS PROFITABLY



45% of North American pipes are at or
**PAST THE POINT OF
STRUCTURAL INTEGRITY**

Offer your customers a **cost-effective, less disruptive,
same-day, permanent solution** for damaged pipes.

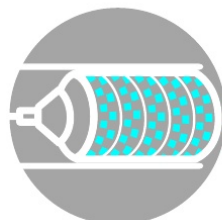
- Fiberglass liner is pre-impregnated with non-VOC resin—no measuring or mixing
- Eliminates the rush to install: curing doesn't start until the UV light is activated
- More cost-effective and lower risk than traditional lining methods
- Both a pull-in-place and push-in-place system



**PREPARE
PIPE**



**SET LINER
IN PLACE**



**INFLATE
PACKER**



**ACTIVATE
UV LIGHT**

CONTACT info@spartantoolus.com

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SPECS

- Pipe repair diameters: 3", 4", or 6", including transitions
- Pipe repair lengths: 5', 10', 20'
- Navigates 45° and 90° bends
- Curing time: as little as 10 minutes
- Same-day repair
- Pipes are back in service when the repair is complete
- High-performance fiberglass liner comes pre-impregnated with non-VOC resin
- Cold LED lights run the full length of the packer
- Reinforced silicone bladders available in multiple sizes
- Leading edge removable spring guide exposes pull hook
- Specialized retrieval harness
- Quick disconnect system for easy packer switching
- No refrigeration necessary and a 6-month shelf life when stored in a controlled environment between 50 and 70 degrees
- Standard UV resins are non-VOC (no odor)
- Exceeds the structural requirements of ASTM F1216

PRODUCT LIST

Part Number	Description
11200021-150	LightRay LR3 System (includes training, reel, control box, and spare parts and tool kit)
11200008-7	3" x 5' Packer
11200008-1	3" x 10' Packer
11200008-2	3" x 20' Packer
11200008-8	4" x 5' Packer
11200008-3	4" x 10' Packer
11200008-4	4" x 20' Packer
11200008-9	6" x 5' Packer
11200008-5	6" x 10' Packer
11200008-6	6" x 20' Packer
11200008-1-01	Packer Pusher
11200011-1	3" - 50' Liner Material
11200011-2	3" - 100' Liner Material
11200011-4	4" - 50' Liner Material
11200011-5	4" - 100' Liner Material
11200011-7	6" - 100' Liner Material