



shat.r.shield lighting inc.



**Wastewater
Treatment**
LED Lighting for harsh environments

www.shatrshield.com

Incoplas® Product Family

Incoplas® Hazardous Locations LED Hybrid is a durable multi-purpose and corrosion-resistant LED lighting solution that can be used in heavy industrial applications where classified lighting is required.

■ 45 or 90 Watts / 5,600 or 11,200 Lumens / -22°F up to 122°F / 7.5 Pounds, Class 1 Div 2 (A,B,C,D)
Class 2 Div 2 (F,G), Class 3 Div 1 & 2

Incoplas® LED Hybrid is designed with graphite infused thermal polymers for corrosion resistance and durability in harsh environments. Functional as an area, flood or wall pack light with a multitude of mounting and optic options.

■ 45 or 90 Watts / 5,000 or 10,000 Lumens / -22°F up to 122°F / 7.5 Pounds

Incoplas® LED Vapor Tight is manufactured with thermally conductive engineered polymers specially designed to withstand moisture, dust & harsh environments in applications where exposure is detrimental to the fixture.

■ 35 or 70 Watts / 3,500 or 7,000 Lumens / -22°F up to 122°F / 5 Pounds



Additional Products - Ironclad® Product Family

Ironclad® LED Vapor Tight High Bay is an ideal retrofit for fluorescent fixtures commonly installed in applications exposed to moisture, dust and other harsh elements that require frequent wash-down.

■ 158 or 236 Watts / 22,120 or 32,860 Lumens / -40°F to 122°F / 30 Pounds



Certification Key

- **IP66:** Protected against low pressure water jets (all directions) and dust that may harm equipment.
- **IP67:** Protected against strong water jets and waves and dust that may harm equipment.
- **IP69K:** Protection against close range high temperature, high pressure wash down (1450 PSI at 176°F).
- **NEMA 4X:** Corrosion resistant; Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.
- **NEMA 5:** Dust tight; Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing liquids.

Security Lighting



Underground



Parking & Maintenance



Mechanical Rooms Aeration & Mixing



Manufactured in America with globally and domestically sourced components



Corrosion-Resistant

Our fixtures offer protection against over 200 corrosive agents including chlorine and hydrogen sulfide found in wastewater treatment plants.



Compact Design

Lightweight and compact design of many fixtures make them an ideal choice in small areas, plus allowing for one-person installation.



Watertight

These fixtures are designed to withstand wet locations and will hold up against the continuous spray present in wastewater treatment plants.



Vibration Tested

Our fixtures have been vibration tested and will withstand the rigors of wastewater treatment plants.



High Temperature

Operates in high temperature environments, up to 122°F.



Multiple Mounting Options

Multiple mounting options for enhanced versatility.



Multiple Optic Options

Multiple optic packages to direct light onto pathways or larger beam spreads as needed.



Scratch-Resistant

Scratch-resistant design will never expose metal to corrosive agents.



Impact-Resistant

Impact-resistant lens for increased safety.



Graphite Infused Thermal Polymer

Graphite infused thermal polymers offer non-metallic solution in corrosive environments.

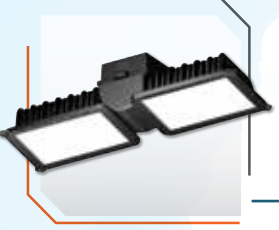
Digesters & Biofilters



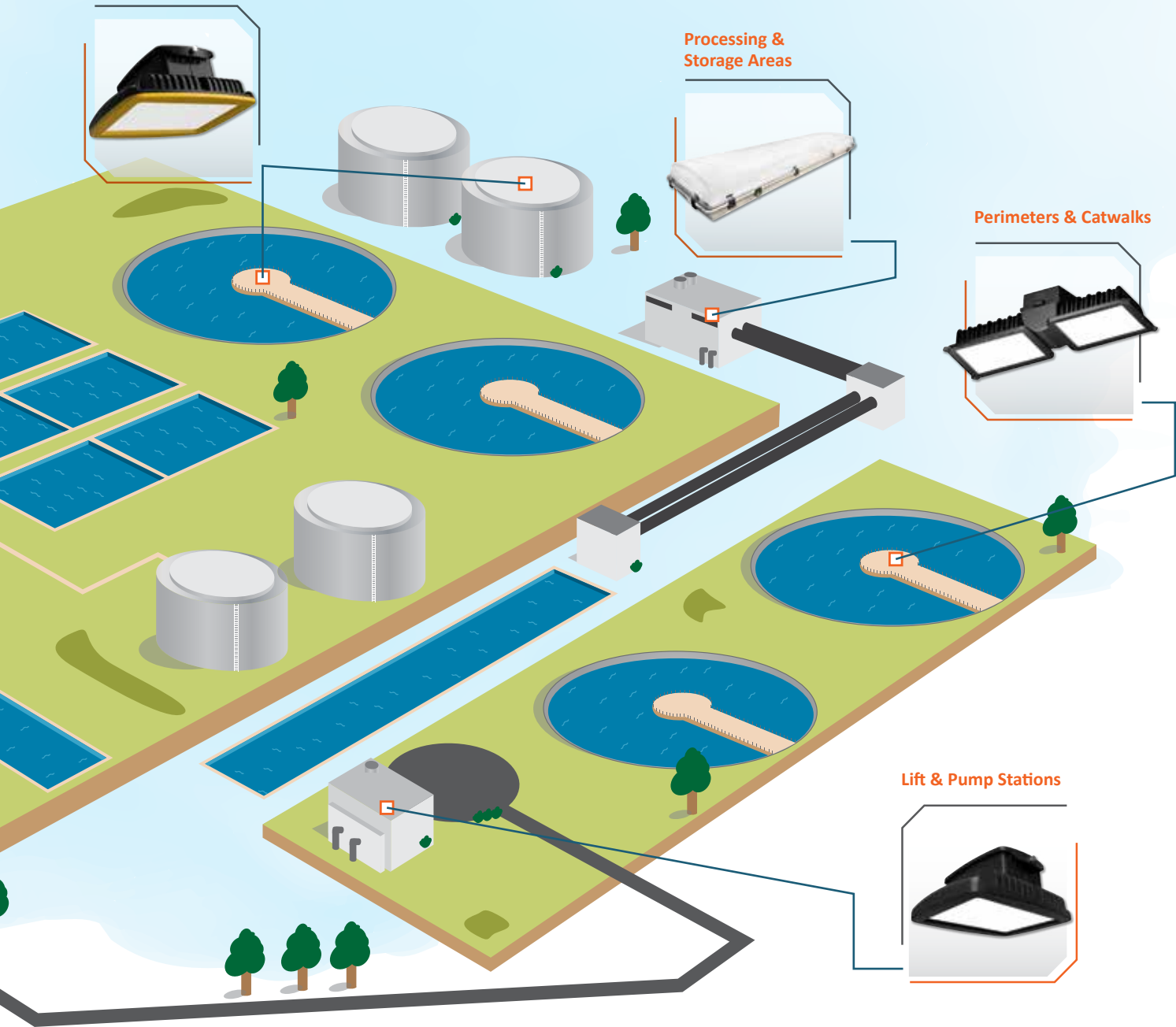
Processing & Storage Areas



Perimeters & Catwalks



Lift & Pump Stations





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