



# shat·r·shield

THE PROTECTIVE LIGHTING COMPANY

## LED FIXTURE

PRODUCTS & OVERVIEW

## IRONCLAD® High Bays

	Ironclad® High Bay Flood Light	Ironclad® Vapor Tight High Bay	Ironclad® Wash Down High Bay
<b>Watts</b>	450 / 600	158 / 236	Selectable: 200W/150W/100W/60W
<b>Lumens</b>	72,000 / 96,000	up to 22,120 / up to 32,860	27,000/20,250/13,500/8,100
<b>Operating Temp</b>	-400F (-400C) to 1490F (650C)	-400F (-400C) to 1220F (500C)	-220F (-300C) to 1220F (500C)
<b>Weight</b>	Bracket: 4.7lbs., Visor: 1.95 lbs., Main Unit: 29 lbs.	30 lbs.	16 lbs.
<b>Life Hours</b>	L70 > 36,000 Hours	L70 > 72,000 Projected: 100,000+	L70 > 50,000 Projected: 100,000
<b>Voltage</b>	100 - 277VAC, 50 / 60 Hz	120-277V / 347-480V	120-277V
<b>CCT</b>	5000K	4,000K / 5,000K	4,000K / 5,000K
<b>LPW</b>	-	140	130
<b>Replaces</b>	1000 - 2000 HPS	6 lamp, T8 or T5 fixture	400W HID
<b>Mounting</b>	-	V-Hanger, Aircraft Cables, Ceiling Mount, Stainless Steel Adjustable Bracket	Surface, Hook, 3/4" NPT Adapter



### Ironclad® High Bay/Flood Light

The Ironclad® High Bay/Flood Light is a high lumen output system that combines two designs. This fixture's ability to cover large areas by utilizing high lumen outputs and versatile beam angles allows for maximum coverage in high mounting applications such as hangers, building exteriors and open recreational areas.

■ DLC, IP65 Dust-proof & Pressure Jets and IK08 5 Joules of impact resistance.

### Ironclad® LED Vapor Tight High Bay

The Ironclad® LED Vapor Tight High Bay is an ideal replacement for fluorescent fixtures commonly installed in applications exposed to moisture, dust and other harsh elements that require frequent wash-down. It has high lumen outputs ranging from 22,000 to 33,000 and is energy efficient.

■ IP65, IP66, IP67, UL 1598, UL Wet Location, NEMA 4X, NEMA 5, USDA, NSF, DLC, cULus, RoHS

### Ironclad® Wash Down High Bay

The Ironclad® Wash Down High Bay is an LED fixture designed with a smooth, rounded housing for easy cleaning in food processing and wash-down environments.

■ IP69K, IP66, NSF, DLC, cULus, RoHS

## INCOPLAS® Product Family

	Incoplas® LED Hybrid™	Incoplas® LED Hybrid™ Hazardous Locations	Incoplas® Em-Haz Multi-purpose LED
<b>Watts</b>	Standard: 45 / 90	30W, 45W, 48W, 60W, 90W, 95W	23.6W AC / 10W Battery Back-Up
	High Lumen: 48 / 95		
	High Ambient: 30 / 60		
<b>Lumens</b>	Standard: 5,000 / 10,000	4,900-15,724 Lumens	2821 AC / 1039 Battery Back-Up
	High Lumen: 8,000 / 15,600		
	High Ambient: 5,300 / 10,600		
<b>Operating Temp</b>	-400F (-400C) to 1490F (650C)	-220F (-300C) to 1130F (450C)	-22°F (-30°C) to 122°F (50°C)
<b>Weight</b>	7.5 lbs.	7.5 lbs.	8.5 lbs.
<b>L70</b>	60,000 / Projected: 100,000	60,000 / Projected: 100,000	60,000 / Projected: 100,000
<b>Voltage</b>	120-277V		
<b>CCT</b>	4,000K / 5,000K		
<b>LPW</b>	111	Up to 124	119 LPW AC / 103 LPW Battery Back-Up
<b>Replaces</b>	100W & 250W HID; T5 & T8 fixtures		
<b>Mounting</b>	Surface, Trunnion, Pendant, Wall Pack, Adjustable Wall Pack, Stanchion, Flood	Surface, Trunnion, Pendant, Adjustable Wall Pack, Stanchion, Flood	Surface, Trunnion, Pendant, Adjustable Wall Pack, Stanchion



### Incoplas® LED Hybrid™

The 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.

■ ABS, UL 1598A, UL 1598, UL Wet Location, IP69K, IP66, NEMA 4X, NEMA 5, USDA, NSF, DLC, cULus, RoHS

### Incoplas® Hazardous Locations LED Hybrid™

The Incoplas® LED Hybrid™ for hazardous locations is a durable multi-purpose and corrosion-resistant LED lighting solution that can be used in heavy industrial applications where classified lighting is required.

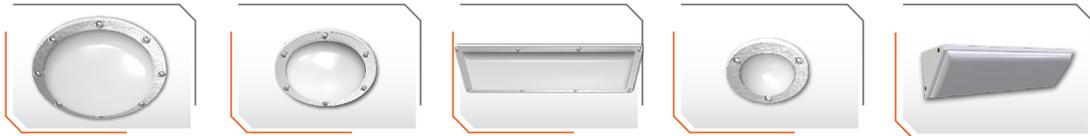
■ Class 1 Div 2, Groups: A, B, C, D; Class 2 Div 2, Groups: F, G; Class 3 Div 1 & 2, UL 844, ABS, UL 1598A, UL1598, IP69K, IP66, NEMA 4X, NEMA 5, USDA, DLC, NSF, cULus

### Incoplas® EM-HAZ

The Incoplas® LED Hybrid™ is fixture is a durable multi-purpose and corrosion-resistant LED lighting solution that can be used in heavy industrial applications where hazardous location lighting is required.

■ Class 1 Div 2, Class 2 Div 2, Class 3 Div 1&2, ABS, UL 1598A, UL 1598, UL Wet Location, UL844, UL924, IP69K, IP66, NEMA 4X, NEMA 5, USDA, NSF, DLC, cULus

**HEAVY DUTY SERIES**



	VR Pro™ Area Light	H2O Pro™ Shower Area Light	Linear Pro™ Large Area Light	Puck Pro™ Utility Area Light	Corner Pro™ Large Area Light
<b>Lumens</b>	3,600	2000, 2800	4200 & 8400, Count Light 530	600	Polycarbonate lens 2800-4500 Urethane lens 2500-4200
<b>Wattage</b>	35 or 42W	24W, 35W	40W, 80W	10W	42W, 32W, 24W
<b>Light Engine CCT</b>	2700K, 3500K, 4000K or 5000K	2700K, 3500K, 4000K or 5000K	4000K or 5000K	4000K or 2700K	3500K, 4000K, 5000K
<b>Night Light CCT</b>	2700K	N/A	2700K	-	-
<b>Voltage</b>	Universal 120 - 277V	Universal 120 - 277V	Universal 120 - 277V	Universal 120 - 277V	120-277V
<b>Dimensions</b>	12.25" diameter x 2.13" tall	9.25" diameter x 1.9" tall	25.5"L x 9"W x 1.76"D	6.75" diameter x 2" tall	5.5"L x 5.5"W x 23"

**GENERAL DUTY SERIES**



	GDA General Duty Area Light	GDL General Duty Linear Area Light	LDL Recreational IP69K Area Light
<b>Lumens</b>	3,500	4500, 9000	2700, 6800
<b>Wattage</b>	34W	42W, 84W	20W, 50W
<b>Light Engine CCT</b>	2700K, 3500K, 4000K or 5000K	4000K or 5000K	5000K
<b>Night Light CCT</b>	-	2700K	L70 > 54,000 Hours
<b>Voltage</b>	Universal 120 - 277V	Universal 120 - 277V	Universal 120 - 277V
<b>Dimensions</b>	13" diameter x 1.93" tall	28.5"L x 12.15"W x 2.16"H	(20W) 24" long, (50W) 55" long

**EMERGENCY LIGHTING FIXTURES**



Correctional Rugged Exit Sign	RZ Slim Exit Sign	Zero-Watt Self Illuminating Exit Sign	SRSEM Emergency Light
The Ironclad® Correctional fixture provides rugged cast aluminum heavy duty frame suited for Correctional/Detention/Institutional environments which incorporates a durable 1/8" thick polycarbonate security faceplate cover, tamper resistant access screws and where required, a Heavy-Duty mounting canopy.	The Ironclad® RZ's 5/8" profile provides a modern, inconspicuous LED exit sign with wall, canopy or pendant mounting options. Sophisticated electronics provide impressive energy efficiency consuming just 2 watts. Illumination of 18fL is 7 times the minimum code requirements with a unique refractive-pattern light guide that distributes the LED evenly for flawless legend uniformity.	The Ironclad® Zero-Watt INH series provides rugged cast aluminum heavy duty frames with a 3/8" polycarbonate lens for more demanding correctional and institutional applications. As the name implies, this maintenance-free fixture is self-sustaining and runs up to 20 years with no batteries, no wiring, and zero electricity. Zero-Watt is recyclable at the end of it's useful life.	The Ironclad® SRSEM LED series provides high performance in a low profile contemporary housing that complements most interior applications and meets CEC California Title 20 energy code requirements. The SRSEM is engineered for quick, easy installation and maintenance free reliability. The 2 watt LED lamps provide 125 lumens each for superior spacing.

## CERTIFICATION KEY

- **DLC:** Meets criteria for energy efficiency and has been included on the QPL (Qualified Products List). Signifying that a product is eligible for rebates, where applicable.
- **NSF:** Approved for use in facilities producing consumer goods, such as food and beverage processing and food service.
- **RoHS:** Restriction of Hazardous Substances Directive - prohibits the use of certain hazardous materials used in electrical and electronic devices.
- **IP65:** Protected against water spray from all directions and dust that may harm equipment.
- **IP66:** Protected against high 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.
- **IP68:** Protected against temporary immersion and dust that may harm equipment.
- **IP69K:** Protection against close range high temperature, high pressure wash down (1450 PSI at 176°F).
- **cULus:** Product is UL certified for use in Canada and the US.
- **UL Damp Locations:** Suitable for locations normally or periodically subject to condensation in, on, or adjacent to equipment including partially protected locations.
- **UL Wet Locations:** Suitable for a location in which water or other liquid can drip, splash or flow on or against electrical equipment.
- **UL 844:** Standard for luminaires for use in hazardous (classified) locations.
- **UL 1598:** Standard applies to luminaires for use in non-hazardous locations.
- **UL 1598A:** Standard for luminaires installation on marine vessels.
- **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.
- **ABS:** American Bureau of Shipping; Safety and quality standard for ships and offshore structures; often required for products used in marine applications.



Correctional/Behavioral



Food Processing



Oil & Gas



Commercial/Industrial



Pharmaceutical



Mining



Wastewater Treatment



Retail & Hospitality



Marine

