

ILX340 Series

CORROSIVE AREA LED LUMINARE



ILX340 Series

LED Corrosive Area Lighting



Product Information

The ILX340 Series is the first true corrosion resistant, NSF certified and P69K hermetically sealed LED industrial luminaire specifically designed to withstand the extreme corrosive environments. This high efficacy fixture is constructed from a specially treated marine rated SUS316 stainless steel with a sloped surface design enabling easy clean-up during high pressure chemical wash-downs and reducing residue and bacteria build up.

The proprietary polymer lens incorporates space age technology for unmatched corrosive resistance in acidic and caustic environments. The ILX340 Series is available in various optics enabling, glare-free high CRI uniform lighting for all stages of hazardous corrosive area operations.

US & International patents pending

Applications

- Marine & Ship Yards
- Desalination Plants
- Wastewater Treatment Plants
- Cement & Chemical Plants
- Offshore Oil & Gas
- Refineries
- Gas-to-Liquid (GTL) Plants
- Terminals & Tank Farms

ILX340 Series

LED Corrosive Area Lighting



Years Warranty



Wet Location



Pressure Washable



Impact Resistance



High Temperature



Hazardous Area



Corrosive Area



Advantages of ILX340

- Industries first true corrosion resistant LED fixture
- Available in 100 ~ 175 Watt configurations
- Ultra-bright, industry leading high efficacy up to 185 lm / W
- IP69K-rated tri-proof (dust, vapor & water-proof) light fixture, high pressure washable up to 1800PSI
- Advanced thermal technology enables low LED junction temperatures (Tj) for maintenance free long life
- Sloped curvature & smooth surface design prevents residue and bacteria build up
- Dual layer space age coating for unmatched corrosive resistance in acidic environments
- Corrosion resistant stainless steel SUS316 power connection portal for total protection
- Titanium rated high efficiency LED driver for unmatched reliability
- L70 ≥ 150,000 hours with an exceptional 7-year limited warranty
- Designed and engineered in the USA

ILX340 Series

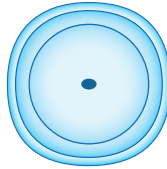
LED Corrosive Area Lighting

Optic Options

R5 - Type V Round / symmetric for low-mid-high bay, parking garages and flood applications

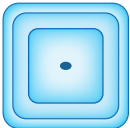
S - Short

M - Medium



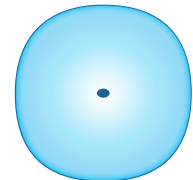
S5 - Type V Square / symmetric for high-bay, aisle, high-mast and flood applications

S - Short



F5 - Type V Opaque - Frosted / symmetric for ultra uniform & low glare applications

L - Long



Mounting Options

Swivel Mounting System - SWL



PDS - Pendant Mounting System



ILX340 Series

LED Corrosive Area Lighting

Ordering Information

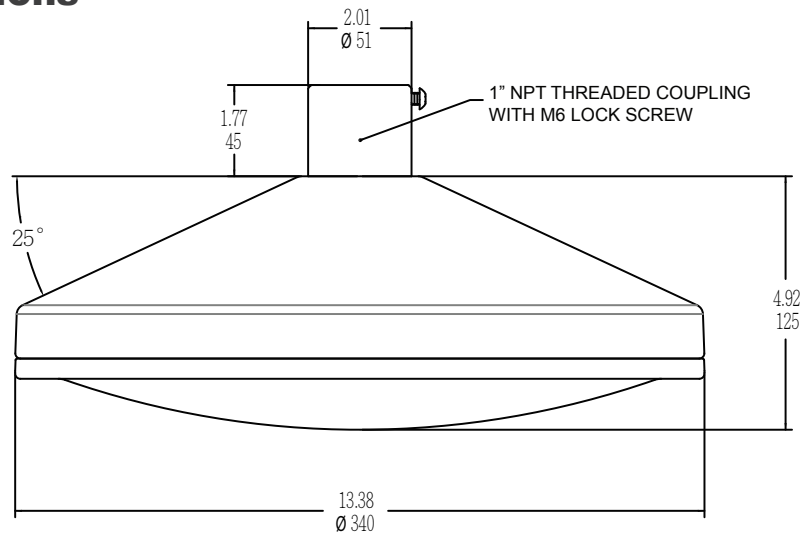
ILX34	Wattage	Voltage	Optics	Pitch	CCT	Driver & Control	Mounting *
	100 = 100W 125 = 125W 150 = 150W 175 = 175W	UV = 100-277VAC HV = 200-480VAC	R5 = Type V Round S5 = Type V Square F5 = Type V Frosted	S = Short M = Medium L = Long	30 = 3000K 40 = 4000K 50 = 5000K	ND = Non-Dimmable DM = Dimmable	PDS = Pendant Mount SWL = Swivel Mount

* PDS is the standard mounting system with 1" NPT threaded coupling.

Example

Part Number	Part Description
ILX34175UV-R5M-50DM-PDS	LED Corrosive Area Light / 175 Watt / 100-277VAC / Type V Round Medium / 5000K Cool White / Dimmable / Pendant Mount

External Dimensions



Packaging Information

Case Quantity	Dimensions (LxWxH)	Weight
1	36.5 x 36.5 x 20 cm 14.4 x 14.4 x 7.9 in	8.5 kg 18.70 lbs

ILX340 Series

LED Corrosive Area Lighting

Specification - Type V Round Medium

Fixture Watts	100 W	125 W	150 W	175 W
Lumens (Total) *	18,700 lm	22,875 lm	26,550 lm	29,575 lm
Efficacy *	187 lm / W	183 lm / W	177 lm / W	169 lm / W
Number of LEDs & Driving Current	128@290mA	128@355mA	128@415mA	128@480mA
T _s - Solder Point Temp *	52°C / 126°F	56°C / 133°F	61°C / 142°F	67°C / 153°F
L70 Rating @ T _a 25°C	> 150K hours	> 140K hours	> 125K hours	> 110K hours
Operational Temperature (T _a)	-40° ~ 60°C / -40° ~ 140°F			
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC			
LED Model	Nichia / Lumileds / Cree			
CRI	> 75			
Lighting Control	Dimmable (0-10V, PWM)			
Storage Temp. / Humidity	-40° ~ 80°C / -40° ~ 176°F / IP69K Rated Fixture			
Transient Surge Protection	10kV / 5kA (L-L, L-G) Optional 20kV / 10kA			
Warranty	7-Year Limited			

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance

NOTE: Light intensities measured directly below fixture

Specification - Type V Square Short

Fixture Watts	100 W	125 W	150 W	175 W
Lumens (Total) *	18,300 lm	22,375 lm	25,950 lm	28,875 lm
Efficacy *	183 lm / W	179 lm / W	173 lm / W	165 lm / W
Number of LEDs & Driving Current	128@290mA	128@355mA	128@415mA	128@480mA
T _s - Solder Point Temp *	52°C / 126°F	57°C / 135°F	62°C / 144°F	69°C / 156°F
L70 Rating @ T _a 25°C	> 150K hours	> 137K hours	> 120K hours	> 105K hours
Operational Temperature (T _a)	-40° ~ 60°C / -40° ~ 140°F			
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC			
LED Model	Nichia / Lumileds / Cree			
CRI	> 75			
Lighting Control	Dimmable (0-10V, PWM)			
Storage Temp. / Humidity	-40° ~ 80°C / -40° ~ 176°F / IP69K Rated Fixture			
Transient Surge Protection	10kV / 5kA (L-L, L-G) Optional 20kV / 10kA			
Warranty	7-Year Limited			

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance

NOTE: Light intensities measured directly below fixture

ILX340 Series

LED Corrosive Area Lighting

Specification - Type V Frosted Long

Fixture Watts	100 W	125 W	150 W	175 W
Lumens (Total) *	16,800 lm	20,375 lm	23,550 lm	26,075 lm
Efficacy *	168 lm / W	163 lm / W	157 lm / W	149 lm / W
Number of LEDs & Driving Current	128@290mA	128@355mA	128@415mA	128@480mA
T _s - Solder Point Temp *	52°C / 126°F	56°C / 133°F	61°C / 142°F	67°C / 153°F
L70 Rating @ T _a 25°C	> 150K hours	> 140K hours	> 125K hours	> 110K hours
Operational Temperature (T _a)	-40° ~ 60°C / -40° ~ 140°F			
Input Voltage	100~277VAC 47~63Hz Optional 200~480VAC			
LED Model	Nichia / Lumileds / Cree			
CRI	> 75			
Lighting Control	Dimmable (0-10V, PWM)			
Storage Temp. / Humidity	-40° ~ 80°C / -40° ~ 176°F / IP69K Rated Fixture			
Transient Surge Protection	10kV / 5kA (L-L, L-G) Optional 20kV / 10kA			
Warranty	7-Year Limited			

* Test data @ T_a: 25°C. All lumen values have ±7% tolerance
NOTE: Light intensities measured directly below fixture