



**IP68  
IP69K**  
CERTIFIED

**IK10  
IMPACT**  
CERTIFIED

NEMA  
**4X**

NEMA  
**6P**

**BAA  
BABAA**  
COMPLIANT

Proudly made  
in America



## Red / Blue Food Processing IP69K Luminaire

### Lightweight & Easy to Install

FPX is available as a hardwired fixture, or as an integrated 3 or 4 pin Mini-Change receptacle for simple, reliable quick-connect and daisy chaining.

### Three Available Colors

FPX comes standard in crisp, bright white. Red or blue is also available for poultry processing.

### Low-Profile, Rounded Design

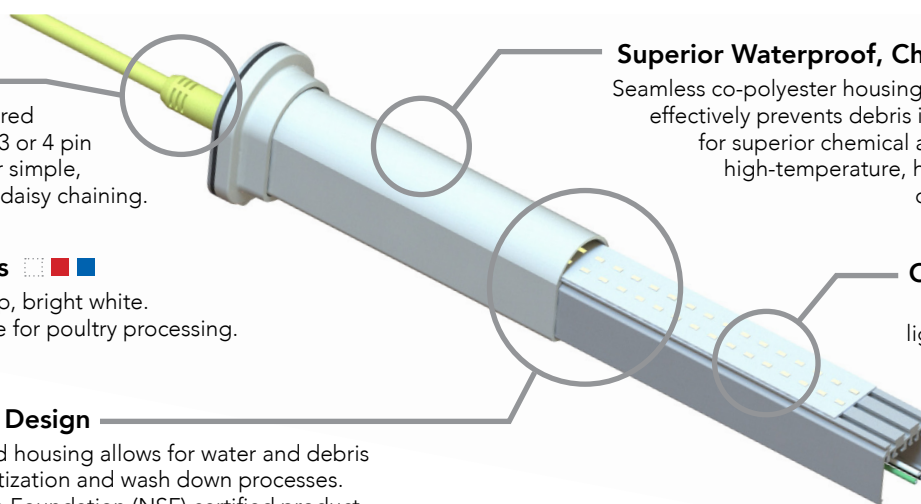
The seamless, 2.5" rounded housing allows for water and debris to easily roll off during sanitization and wash down processes. FPX is a National Sanitation Foundation (NSF) certified product.

### Superior Waterproof, Chemical & Impact Resistance

Seamless co-polyester housing provides IP68/69K protection and effectively prevents debris intrusion and build up. Specialized for superior chemical and impact resistance to withstand high-temperature, high-pressure washdown (1500 PSI) during daily sanitization processes.

### Compact, High Output LEDs

Engineered to meet the stringent lighting level requirements set forth by the USDA for inspection areas. From a three-foot mounting height, FPX provides 290 footcandles, a 90 CRI option and outputs up to 20,000 lumens.



## PERFORMANCE SUMMARY

**Delivered Light Output:** Up to 20,000 lumens

**Illuminance:** 290 FC at 3'

**Efficacy:** 130+ LPW

**CRI:** 85+ CRI (Standard) 90+ CRI Available

**CCT:** 5000K & 4000K (Contact factory for custom CCT)

**Available Colors:** White (standard), red or blue

**Lifetime:** 140,000 Hours at 25°C

**Warranty:** 5 Years

**Mounting:** Cable/chain, surface or wall

**Lens:** Diffused (standard)

**IP Protection Class:** IP68, IP69K

**Temperature Rating:** Operable in temperatures -40°C to 55°C

**Voltage:** 120-277 VAC Input (Contact factory for custom voltage)

**Power Factor:** 0.9 nominal

**Surge Protection:** Built-in 4KV

**Total Harmonic Distortion:** < 20%

## FIXTURE SPECIFICATIONS

### Construction & Materials

- Proudly engineered and manufactured in America:
  - Buy American Act (BAA) compliant
  - Build America, Buy America Act (BABAA) compliant
- 316 SS brackets and hardware
- Patented coextruded copolyester and aluminum housing
  - Seamless polymeric outer shell
  - Internal aluminum heat sync
- Glass free, rounded housing for water & debris roll off
- Able to withstand 1500 PSI at 276°F for sanitation washdown

### Regulatory Qualifications

- Meets USDA lighting requirements
- cULus Listed
- IP68/IP69K Certified
- IK10 Impact Certified
- NSF Rated
- NEMA 4X, NEMA 6P Rated

REV: 0924

## ORDERING INFORMATION

Product	Length	Lumen Output	Color Temp.	CRI	Options
<b>FPX</b>	<b>2</b> 2-Foot	<b>SO</b> Standard Output 1875 Lumens/Foot	<b>50K</b> 5000 Kelvin	<b>Blank</b> (standard) 85+ CRI	<b>3W</b> 6' Hardwired SJEOW Cord, 3 Wire
	<b>4</b> 4-Foot	<b>HO</b> High Output 2500 Lumens/Foot	<b>40K</b> 4000 Kelvin	<b>90C*</b> 90+ CRI	<b>3P</b> Mini-Change Receptacle, 3 Pole
	<b>8</b> 8-Foot			*Not available in 2'	<b>3P-THRU</b> (Daisy Chain) Throughwired with Mini-Change Receptacle on Input & Output, 3 Pole
					<b>4P-EM*</b> (Emergency) Built-In Emergency Battery Back-Up Mini-Change Receptacle, 4 Pole *Not available in 2' or 90C configurations

For fixtures with the built-in, emergency battery back-up option (4P-EM), the following applies:

- Emergency runtime = 90 minutes
- Lumen output = 1300
- Watts = 10
- Operable down to 0°C

## LUMEN & POWER DATA

Length & Output	Lumens	Wattage	Amps @ 120V	Amps @ 277V
FPX2-SO	3,750	28	0.23	0.10
FPX2-HO	5,000	38	0.32	0.14
FPX4-SO	7,500	55	0.46	0.20
FPX4-HO	10,000	75	0.64	0.27
FPX8-SO	15,000	110	0.92	0.40
FPX8-HO	20,000	150	1.25	0.54

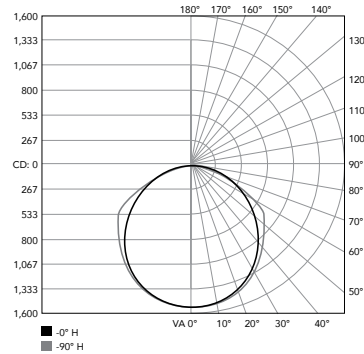
## PHOTOMETRY

### FPX Series

Based on DTC Report Test #: 14404-T

Fixture photometry has been conducted by a NVLAP accredited testing laboratory in accordance with IESNA LM-79-08. IESNA LM-79-08 specifies the entire luminaire as the source resulting in a fixture efficiency of 100%.

### Polar Candela Distribution



### Zonal Lumen Summary

Zone	Luminaire
0-30	24.8%
0-40	40.5%
0-60	71.1%
0-90	95.8%
0-180	100%

## CABLING

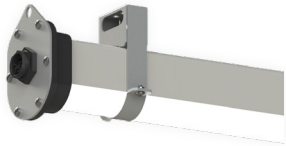
An accompanying cable is required for mini-change receptable fixture options: 3P, 3P-THUR and 4P-EM.

Cable	Type	Wire	End-to-end Length	Fixture-to-fixture Length
FPX-JMP-1-3P	Jumper	3 Pole, 16 AWG, Yellow	12.625"	11.875"
FPX-JMP-3-3P	Jumper	3 Pole, 16 AWG, Yellow	37.5"	36.75"
FPX-JMP-6-3P	Jumper	3 Pole, 16 AWG, Yellow	74.125"	73.375"
FPX-LDR-6-3P	Leader	3 Pole, 16 AWG, Yellow	6'	-
FPX-LDR-20-3P	Leader	3 Pole, 16 AWG, Yellow	20'	-
FPX-LDR-6-4P	Leader	4 Pole, 16 AWG, Yellow (Emergency Option)	6'	-

# MOUNTING

All fixture models have a cable/chain mount option incorporated into the end-cap (the actual cable/chain is not included). Other mounting options (kits) must be ordered separately.

Part Number	Description
MNT-G2-SM	Kit of (2) Surface Mount Stainless Steel Bands
MNT-G2-WM-45	Kit of (2) 45° Wall Mount Stainless Steel Bands



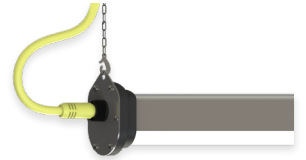
Surface Mount



Surface Mount Assembly



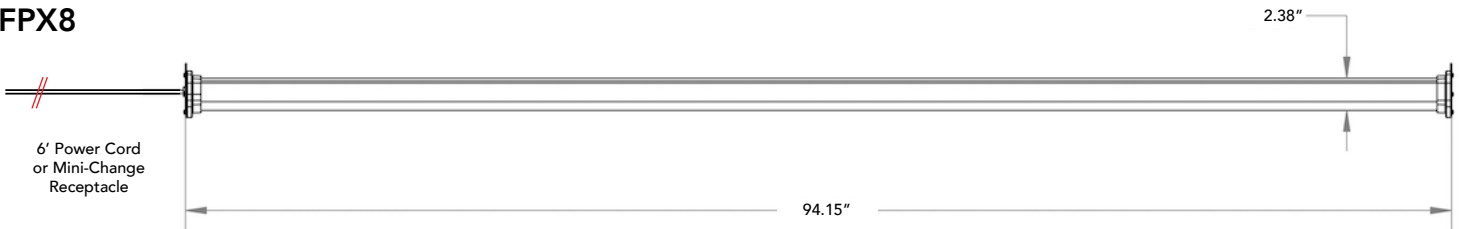
Wall Mount



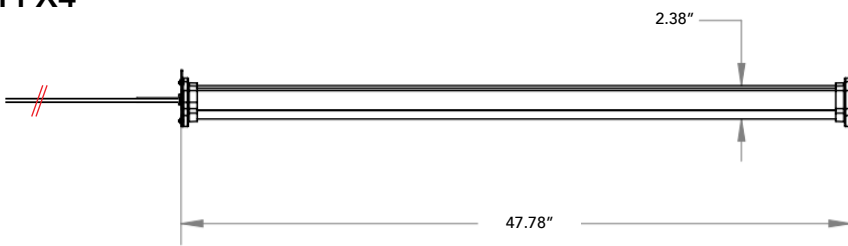
Cable/Chain Mount

# DIMENSIONAL DRAWINGS

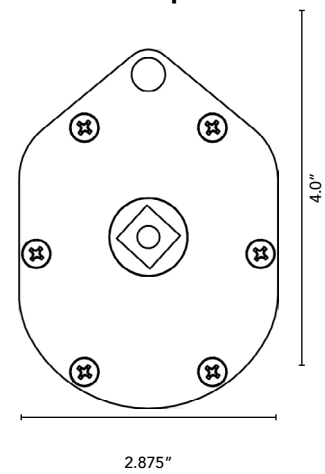
## FPX8



## FPX4



## FPX End-Cap



## FPX2

