



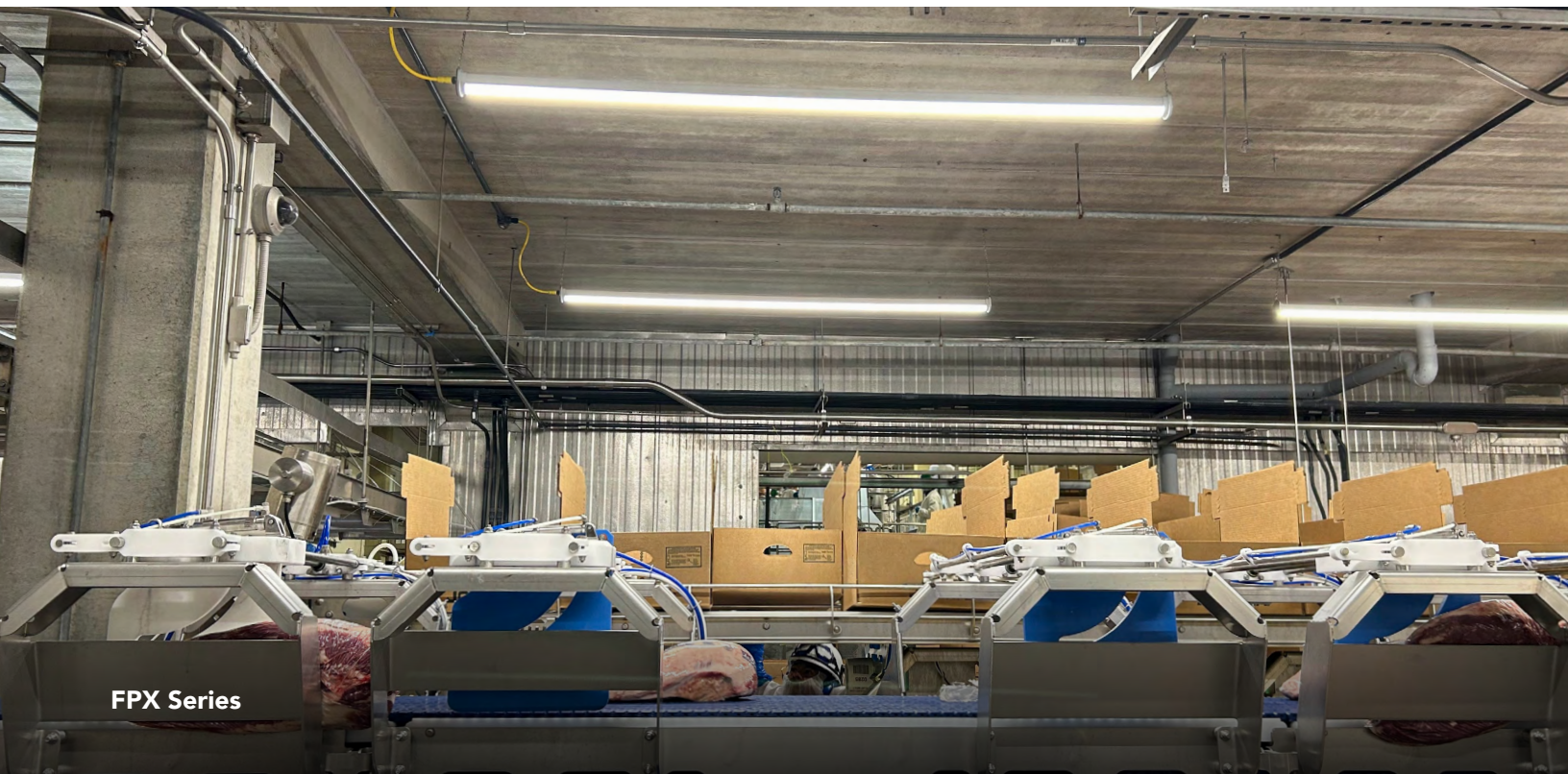
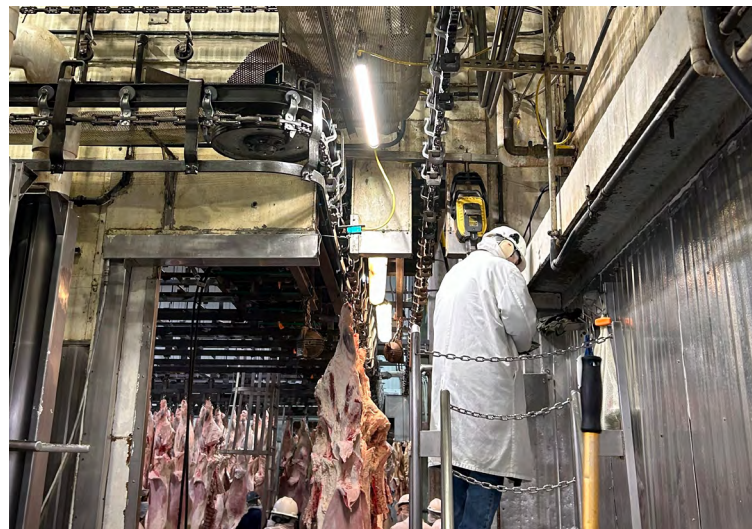
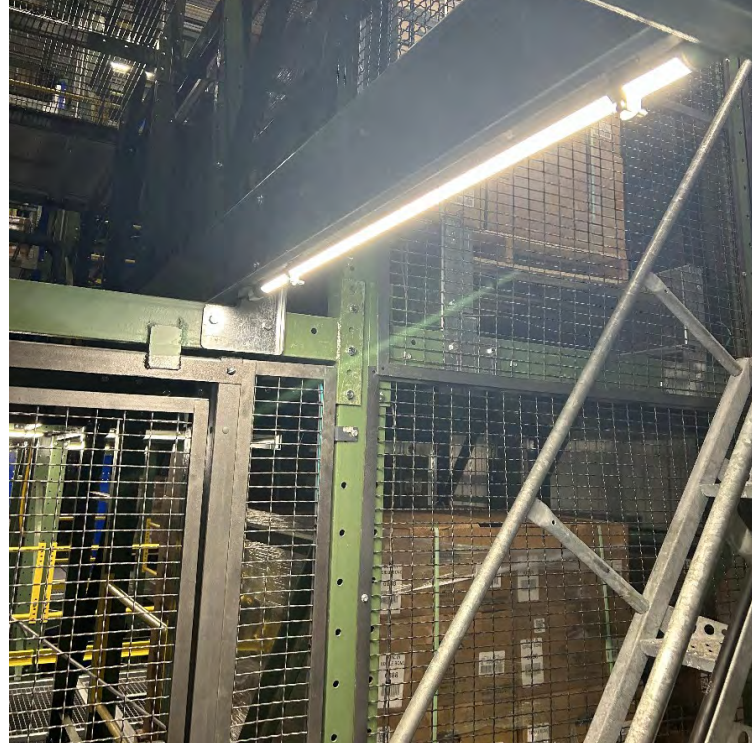
G&G

INDUSTRIAL LIGHTING

Food Processing Catalog

Durable and Reliable Lighting
Solutions that Meet the Strictest
Food Processing Standards





FPX Series

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About G&G

At G&G Industrial Lighting, we don't just build lights. We engineer lighting solutions that help food processing facilities operate safer, cleaner, and more efficiently. Every fixture we design withstands the realities of food production, from daily high-pressure washdowns and harsh sanitation chemicals to cold storage, moisture, humidity, and demanding production schedules.

We understand that every minute of downtime impacts productivity, labor, and profitability. That's why our sealed LED fixtures are purpose-built to minimize maintenance, reduce unexpected failures, improve visibility for production and quality inspections, and deliver reliable performance year after year. We work

closely with maintenance teams, plant engineers, operations leaders, and sanitation professionals to develop lighting solutions that solve real-world challenges, not just illuminate a space.

From processing and packaging to cold storage, freezers, and washdown areas, our fixtures support food safety initiatives while helping facilities lower operating costs and improve reliability. Manufactured for the harshest food production environments, G&G lighting delivers the durability, performance, and peace of mind your operation depends on.

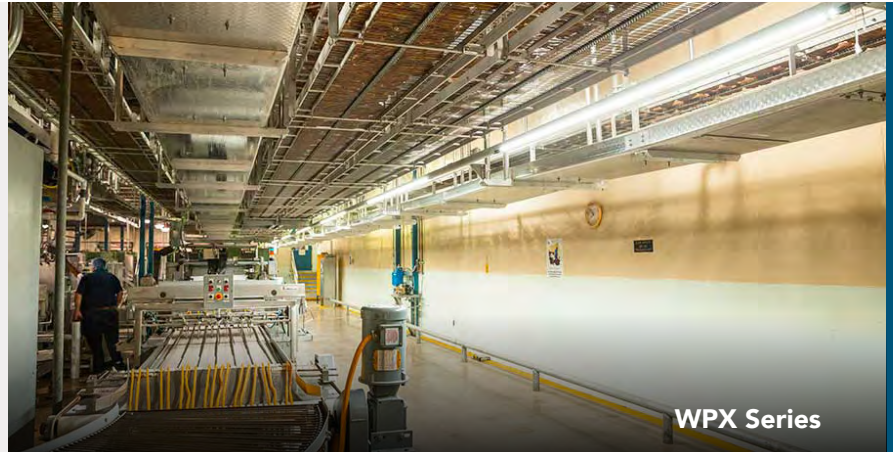
And our commitment doesn't end when the fixtures are installed. Our responsive customer support, knowledgeable team, and straightforward warranty process ensure you have a trusted partner long after the lights are on.

Our G&G GUARANTEE to You

Our continuous innovation ensures we deliver specialized industrial lighting tailored to your needs. Partnering with us means prioritizing your unique requirements and collaborating from start to finish to provide a durable, purpose-built solution that thrives in your environment.

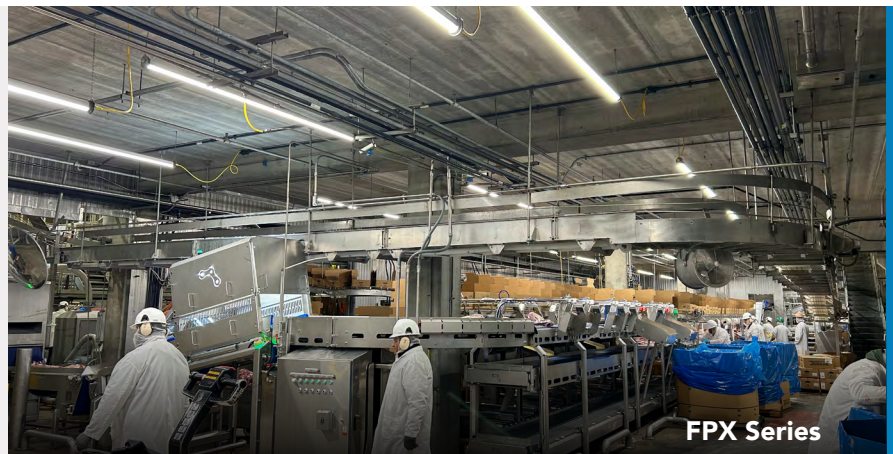
CUSTOMER 1ST APPROACH

We put our customers first in everything we do—from our thoughtful product designs to responsive customer support and simple warranty process.



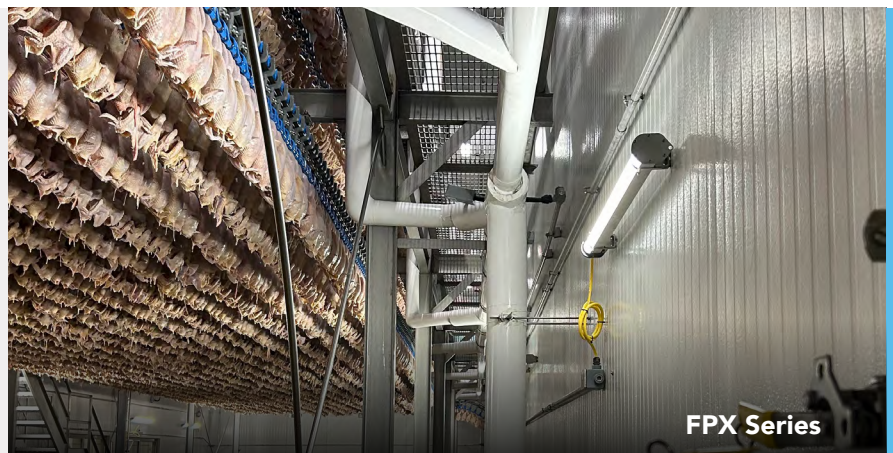
DURABILITY

We build LED lighting products that withstand the harshest environments and deliver dependable, long-term performance.



PURPOSE-BUILT PRODUCT

We use our knowledge to build products that meet the specific needs and challenges of each application's unique environment.



Product Quick Reference Guide

Product	Use Case	Why it Wins	Specs
FPX	Inspection, task lighting, deboning, evisceration, and processing lines.	Closer to the work surface where visibility matters most.	Page 14
WPX	Washdown areas, cold storage, and harsh sanitation environments	Built specifically for daily hose-down environments where traditional lights fail.	Page 16
WPX+	Spiral freezers, blast freezers, and impingement freezers	Designed for extreme low temperatures and thermal shock.	Page 16
GPX	Conveyors, equipment lighting, storage areas, tight spaces, and general illumination.	Driverless, linkable light for long runs of continuous light	Page 18

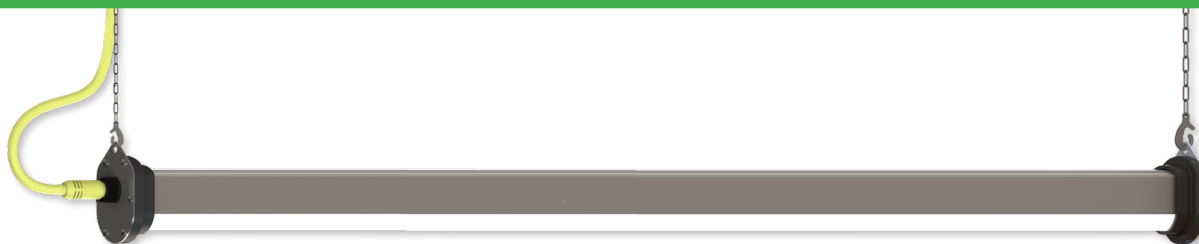
Competitive Differentiation

	Competition	G&G	Direct Customer Benefit
Origin	Typically Imported	Made in USA	Supply Chain Reliability: Higher quality control, faster shipping & local support
Housing Design	Multi-piece housings (require assembly)	Completely sealed extrusion	Sanitation & Reliability: Eliminates failure points & prevents ingress of bacteria, moisture & debris
Waterproofing	Gasket-dependent (limited waterproofing)	IP69K rating against water & debris	Washdown Durability: Withstands high pressure, high temperature washdown without failure
Components	Potential failure points	No lens clips or gaskets	Reduced Maintenance: Eliminates common points of failure and 'harborage points' where bacteria can grow, simplifying cleaning and audits
Efficacy	~100 lm/W efficacy	130 lm/W efficacy	Operational Savings: Higher energy efficiency leads to lower utility bills and faster ROI
Longevity	~50,000 hour life	Up to 140,000 hour life	Extended Lifecycle: Offers 5-10x longer life than generics with multi-year service life
Form Factor	4.5–6.75" + width	1-2" low profile housings	Spatial Versatility: Fits easily into tight space constraints and has less surface area for debris to accumulate
Chemical Resistance	Chemical degradation concerns	Chemical resistant housings	Chemical Resilience: Withstands food-grade cleaners (PAA, ammonia, etc) that cause generic plastics to crack or yellow
Thermal Resistance	Higher failure rates	Thermal shock resistant	Environmental Stability: Maintains performance during rapid temperature swings
Safety	Susceptible to glass contamination if broken	Glass free	Food Safety Compliance: Eliminates risk of glass shards in production areas; USDA/FDA compliance
Installation	Complicated install and maintenance	Daisy chainable for simple installation	Labor Efficiency: Simple plug-and-play installation reduces labor costs and facility downtime

Savings Calculator

TCO Scenario: 100 ft x 100 ft Room at 50 fc; Comparing 8 ft Fixtures

	FIXTURE A	FIXTURE B	G&G FPX	LOGIC & REFERENCE NOTES	
Project Fixture Quantity	41	43	36	Total fixtures required for the facility layout to provide 50 fc illumination level	
Local Utility Energy Rate	\$0.14 (\$/kWh)			Average commercial electricity rate	
Daily Operational Burn Hours	24			24 continuous hours of operation	
Annual Operational Days	365			Days running per calendar year	
SPEC COMPARISON					
Lumen Output	17,700	16,700	20,000	Up to 20% more light output per fixture	
Fixture Cost	\$\$\$	\$\$\$	\$		
Efficiency (LPW)	128	128	133		
LED Life (Hours)	50,000	50,000	140,000	Competitors fixtures need replacement after year 5-7	
FINANCIAL LIFECYCLE COST COMPARISON				G&G Savings	
Installed Cost	\$46,125	\$48,375	\$36,000	\$12,375	\$1000 installed cost for G&G, \$1125 for A & B
Year 5 Maintenance & Replacements	\$46,125	\$48,375	\$3,600	\$44,775	For generic burnout swaps at 50,000 hours for A & B and 75,000 for G&G
Year 10 Cumulative Energy Costs	\$74,498	\$73,717	\$71,134	\$3,364	Ongoing electric meter utility draw over 10 years
Total 10-Year Total Cost Of Ownership (TCO)	\$166,748	\$170,467	\$110,734		Total aggregate lifecycle investment over a decade
NET HARD-DOLLAR CLIENT SAVINGS (10 YEARS)				\$60,514	Total cash retained over 10 years by utilizing G&G FPX





Linear Light For **USDA Inspection**



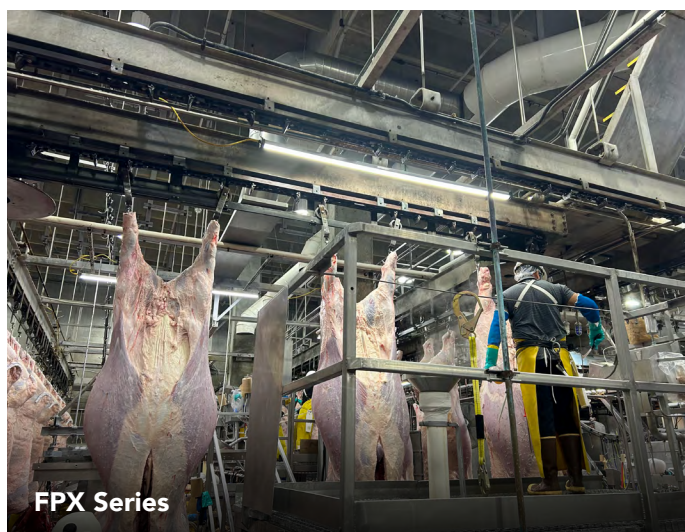
FPX Series

KEY PRODUCTS

- FPX: Food Processing
- WPX: Harsh Environment

Designed For Accuracy, Safety, and Compliance

Inspection areas require exceptional visibility where food safety and regulatory compliance are non-negotiable. G&G delivers high-output illumination with 85+ CRI to support accurate defect identification, color recognition, and product evaluation while helping facilities meet USDA inspection requirements of up to 200 foot-candles. Durable, shatterproof construction and reliable performance ensure inspectors and production teams have the light they need when precision matters most.





Linear Light For **Washdown Areas**



**IP68
IP69K**

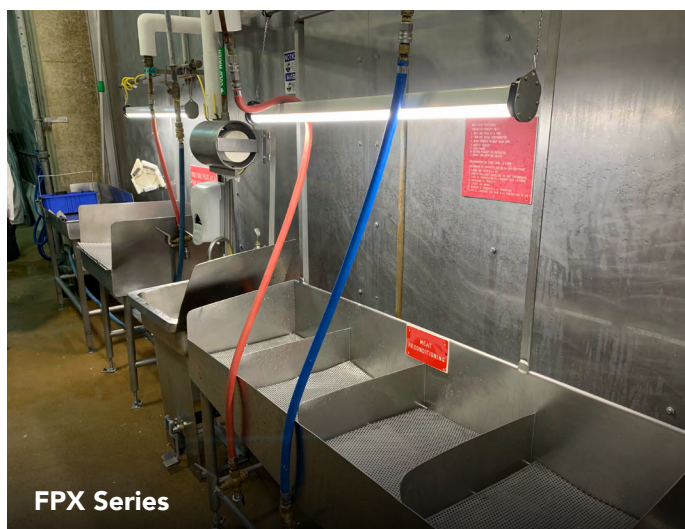
FPX Series

KEY PRODUCTS

- FPX: Food Processing
- WPX: Harsh Environment

Lighting Built To Survive Daily Washdown Punishment

Food processing environments demand more from lighting than standard industrial fixtures can deliver. G&G's fully sealed, single-piece extrusion fixtures are engineered to withstand high-pressure washdowns, thermal shock, steam, ammonia, caustic detergents, acidic cleaners, and sanitizers. IP69K and NSF certified, they eliminate common failure points that drive maintenance costs and unplanned downtime while helping facilities maintain compliance and production efficiency.



FPX Series



FPX Series



Linear Light For **Task Lighting, Evisceration, Deboning, and Processing Lines**

FPX Series

KEY PRODUCTS

- FPX: Food Processing
- FPX Color: Food Processing Red / Blue
- WPX: Harsh Environment

Improve Productivity With Precision Lighting Solutions

Fast-paced processing lines demand lighting that improves visibility without creating glare, shadows, or worker fatigue. G&G's purpose-built task lighting delivers uniform illumination and excellent color rendering to support trimming, de-boning, evisceration, packaging, and food handling operations. By enhancing visibility where critical decisions are made every second, facilities can improve productivity, support food quality initiatives, and reduce maintenance interruptions that slow production.



FPX Color Series



FPX Series



Linear Light For **Equipment and Conveyors**

IK10
IMPACT
CERTIFIED

3G
VIBRATION

WPX Series

KEY PRODUCTS

- WPX: Harsh Environment
- GPX: General Purpose

Reliable Lighting For Critical Equipment And Conveyors

Equipment failures are costly enough without lighting failures adding to the problem. G&G's compact, durable fixtures are designed to integrate directly with conveyors, processing equipment, and automated systems to provide consistent illumination in demanding environments. Chemical-resistant, washdown-rated construction minimizes maintenance requirements while improving visibility for operators, inspections, troubleshooting, and preventative maintenance activities that keep production moving.



Linear Light For
**General
Illumination,
Chemical
Storage,
Warehouse /
Distribution**

FPX Series

KEY PRODUCTS

- FPX: Food Processing
- WPX: Harsh Environment
- GPX: General Purpose

Efficient Lighting That Reduces Operational Costs

From processing floors and chemical storage areas to warehouses and distribution centers, facilities need lighting that balances performance, efficiency, and reliability. G&G provides high-quality LED solutions that improve visibility, reduce energy consumption, and minimize maintenance demands. Combined with controls and energy management capabilities, facilities can support sustainability goals, simplify reporting, and gain greater control over operating costs without sacrificing light quality or safety.



Linear Light For

Coolers, Chillers, Cold Storage, and Freezers (Spiral and Impingement)

⌵⌶⌷ -40°C to 60°C

GPX Series

KEY PRODUCTS

- WPX: Harsh Environment
- WPX+: Extreme Environment
- GPX: General Purpose

Engineered Performance In Extreme Cold Environments

Cold storage, freezer, spiral, and impingement applications expose lighting to extreme temperatures and rapid thermal cycling that often lead to premature fixture failure. G&G fixtures are engineered to perform reliably in sub-zero environments while maintaining consistent light output and durability. The result is improved visibility, fewer maintenance events, reduced downtime, and dependable performance in areas where fixture replacement can be difficult, disruptive, and costly.





Linear Light For

Second & Third Processing, and Packaging

GPX Series

KEY PRODUCTS

- FPX: Food Processing
- WPX: Harsh Environment
- GPX: General Purpose

Consistent Lighting For Packaging Quality & Throughput

Packaging and secondary processing operations rely on consistent lighting to maintain product quality, labeling accuracy, employee efficiency, and food safety standards. G&G's durable LED solutions deliver uniform illumination that helps operators identify issues before they become costly mistakes. Designed to withstand demanding processing environments while reducing maintenance requirements, our fixtures help facilities maximize uptime, improve workflow efficiency, and maintain confidence in every shift.





Flowers FOODS

"It took me under three hours to install 75 feet of lighting! The system's convenient push-and-click connectors just simply snapped together. Operating at about one-third the cost of traditional lighting, it also provided the clear, bright white light that we wanted for our workers."

Chuck Gilmer, Building & Maintenance Superintendent for Flowers Foods

Flowers
Case Study



WPX Series
Flowers Foods
Opelika, AL



Food Processing IP69K Luminaire

The FPX is the most rugged, most efficient LED luminaire engineered specifically for task lighting applications in meat and poultry processing facilities.



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.

Low-Profile, Rounded Design

The seamless, glass-free, 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 wash-down (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.



FPX PERFORMANCE SUMMARY

Available Lengths: 2, 4, and 8 foot fixtures

Available Colors: White

Dimensions: Length Varies, Width 2" x Height 2.5"

Delivered Light Output: Up to 20,000 Lumens

Illuminance: 290 FC at 3'

Efficacy: Up to 160 LPW

Lifetime: 140,000 Hours at 25°C

Warranty: 5 Years

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

Pressure Rating: Withstands up to 1500 PSI at 276°F



Food Processing Color Luminaire

The FPX Color is the same powerhouse luminaire as FPX, but built with either red or blue LEDs to output specific wavelengths for use in meat and poultry processing.



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.

Low-Profile, Rounded Design

The seamless, glass-free, 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 wash-down (1500 PSI) during daily sanitization processes.

Available in Red or Blue

Specialized wavelengths that trigger certain behaviors in poultry for production and processing. Long wavelength (red) reduces aggression, while short wavelength (blue) calms to reduce poultry activity.



FPXC PERFORMANCE SUMMARY

Available Lengths: 4 and 8 foot fixtures

Available Colors: Red or Blue

Dimensions: Length Varies, Width 2" x Height 2.5"

Lens: Diffused

Illuminance: 290 FC at 3'

Efficacy: Up to 160 LPW

Lifetime: 140,000 Hours at 25°C

Warranty: 5 Years

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

Pressure Rating: Withstands up to 1500 PSI at 276°F



Harsh Environment LED Luminaire

The WPX is a linkable 1" low-profile luminaire that is designed to withstand prolonged exposure to harsh environments.



Easy to Install, Waterproof Cabling

Convenient push-and-click connectors let you easily install and daisy-chain fixtures for runs up to 72'. Multiple leader and jumper cable lengths support a variety of layouts.

Superior Chemical & UV Resistance

Seamless polymeric outer shell provides IP68/IP69K ingress protection and is specialized for superior chemical resistance. An additional protective coating is available which integrates a UV inhibitor and UV blocker for outdoor applications.

Four Vibrant Color LED Options

Also available in four crisp, true colors: Red, green, amber or blue

Permanently Sealed, Low-Profile Design

Remarkably slim, one inch round housing allows WPX to go where other fixtures cannot. The single piece enclosure requires no assembly and protects against intrusion of moisture, dust and other combustible.

High Output LEDs

Up to 16,000 Lumens and 160 lumens per Watt.

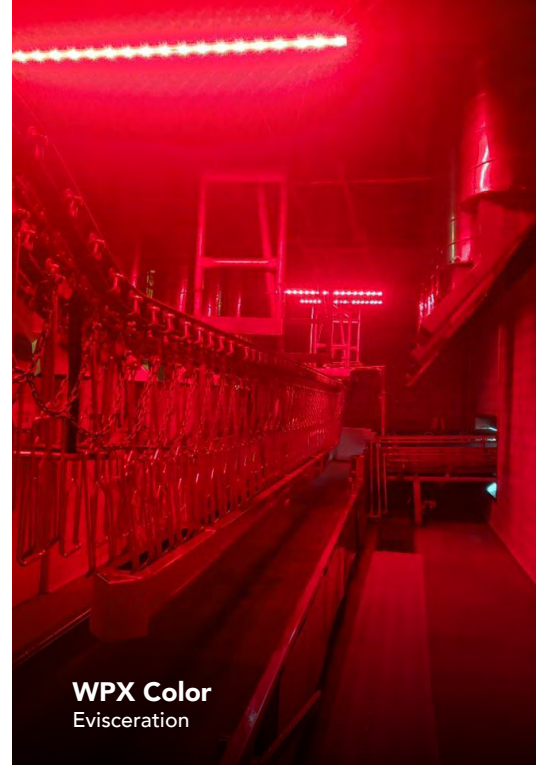
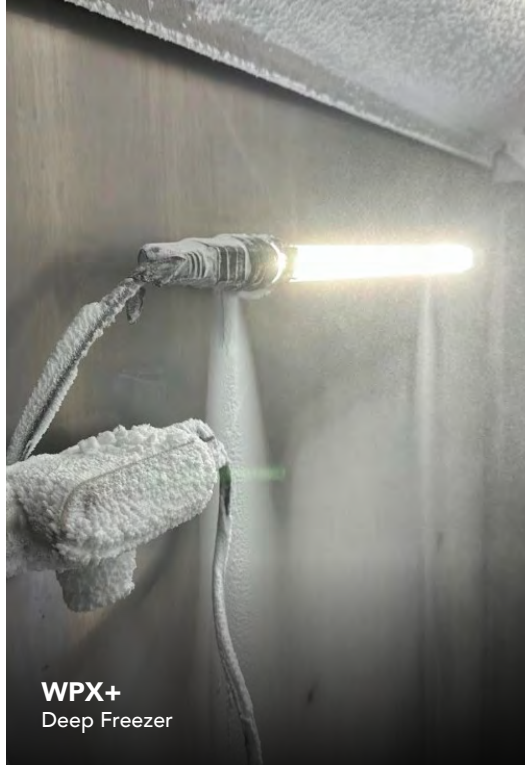
WPX+ for Extreme Temperatures

Engineered to withstand extreme temperature variances.



WPX PERFORMANCE SUMMARY

- Available Lengths: 2, 4, 6, and 8 foot fixtures
- Available Colors: White, red, green, amber or blue
- Dimensions: Length Varies, Width 1.25" x Height 1.75"
- Delivered Light Output: Up to 16,000 Lumens
- Maximum Run Length: Up to 72', not including jumper cables
- Efficacy: Up to 160 LPW
- Dimming: Optional, 0-10V
- Lifetime: 100,000 Hours at 25°C
- Warranty: 5 Years
- Temperature Rating: Operable in temperatures -40°C to 60°C



Which WPX Where?

Features that shine	WPX	WPX+	WPX Color
Low Profile	●	●	●
IP68/IP69K & IK10 Impact Certified	●	●	●
Daisy Chainable Up to 72'	●		
Up to 16,000 Lumens	●	●	
Extreme Temperature Variances		●	
Vibrant Single Color for Process Signaling			●
Specific Wavelengths for Evisceration			●



**DIRECT AC
DRIVERLESS**

EMI IP67
SILENT CERTIFIED

**NEMA
4X**



**BAA
BABAA**
COMPLIANT

Driverless General Purpose LED Luminaire

The GPX is a linkable, 1" low-profile luminaire that can be connected in long runs and installed in areas where space is at a premium.



Zero-Maintenance Driverless Design

Connects directly to AC line voltage without an LED driver or electrolytic capacitors, for extreme reliability and lifetime.

Easy to Install, Quick-Connect Cabling

Convenient push-and-click connectors and cabling make GPX series fixtures easy to install and daisy chain end-to-end or with jumper cables.

Coextruded Copolyester / Aluminum Housing

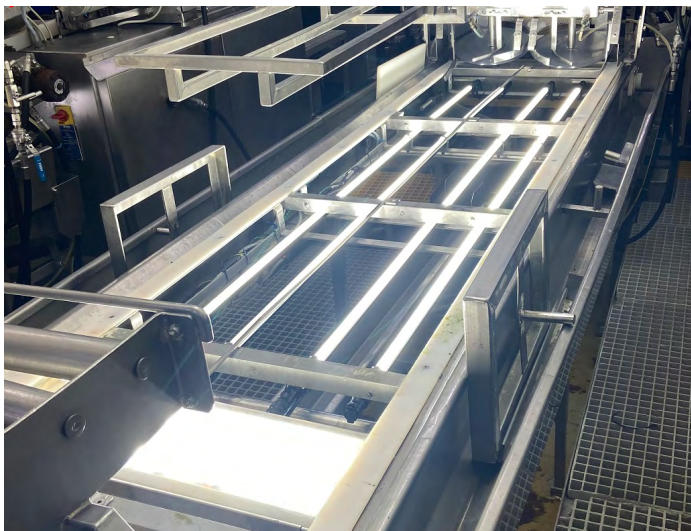
Our patented process combines copolyester and aluminum together, with no seals or gaskets. The result is a single piece enclosure with excellent heatsinking characteristics for long lifetime.

Superior Chemical & UV Resistance

Seamless polymeric outer shell provides IP67 ingress protection and is specialized for superior chemical resistance. An additional protective coating is available which integrates a UV blocker for outdoor applications.

Compact, High Output LEDs

Remarkably slim, low-profile, one-inch design, that packs a punch at up to 1,000 lumens per foot.



GPX PERFORMANCE SUMMARY

Available Lengths: 2, 4, 6, and 8 foot fixtures

Dimensions: Length Varies, Width 1.25" x Height 1.75"

Delivered Light Output: Up to 8,000 Lumens

Maximum Run Length: Up to 950'

Efficacy: Up to 130 LPW

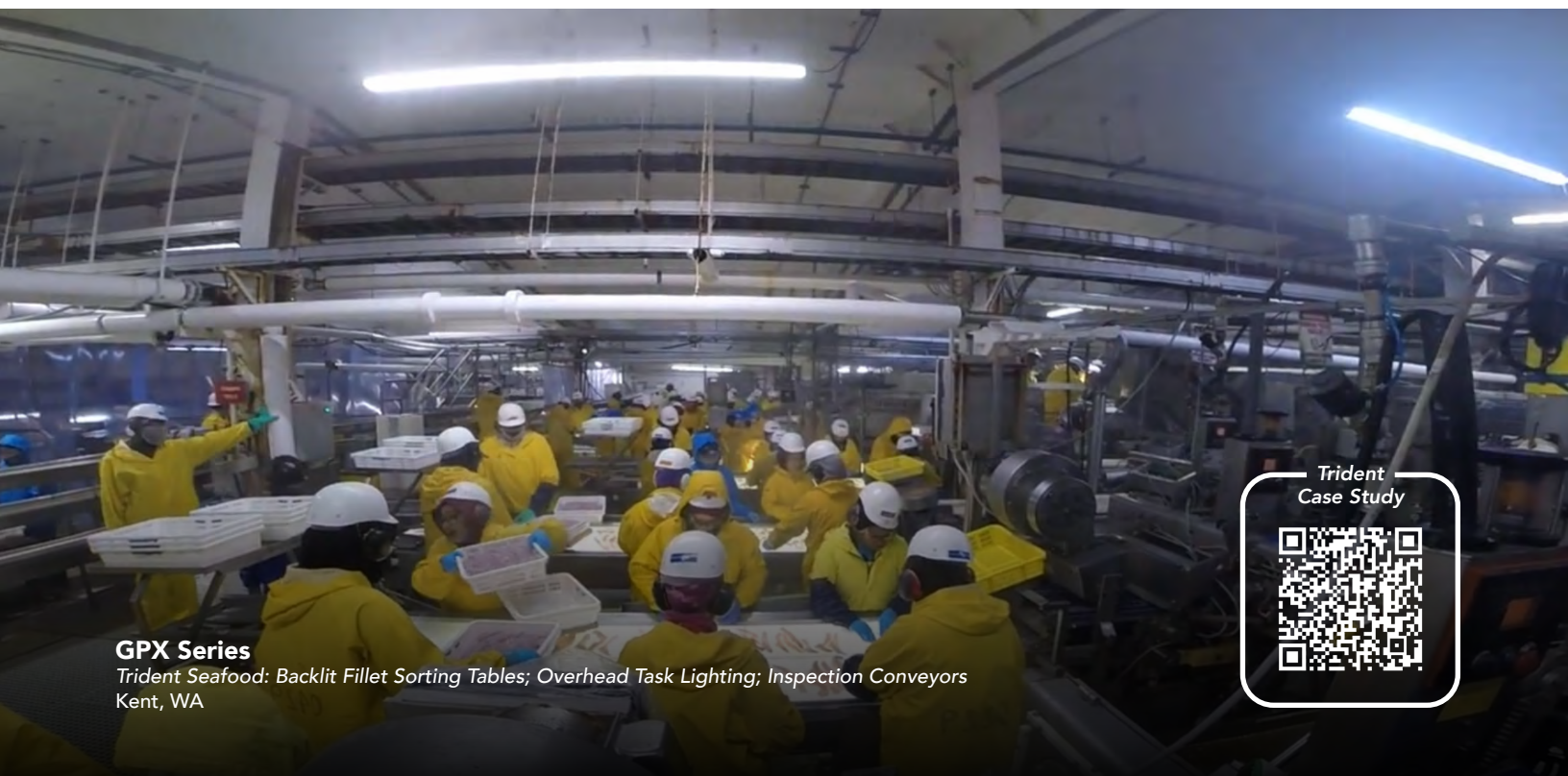
Lifetime: 100,000 Hours at 25°C

Warranty: 5 Years

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

Voltage: 120 or 277 VAC Input

Surge Protection: Built-in 4KV



GPX Series

Trident Seafood: Backlit Fillet Sorting Tables; Overhead Task Lighting; Inspection Conveyors
Kent, WA

Trident
Case Study



Certification Glossary



NSF certification verifies that a product meets public health and safety standards, primarily for food, water, and consumer goods. Issued by the NSF International organization, it ensures compliance with hygiene, quality, and safety regulations, helping consumers and businesses trust the integrity and safety of certified products.

IP66 IP68
IP67 IP69K

IP ratings (Ingress Protection) denote a product's resistance to dust and water. IP66 offers protection against dust and strong water jets, IP67 against immersion up to 1 meter, IP68 against prolonged immersion, and IP69K against high-pressure, high-temperature water. Higher numbers indicate increased protection from environmental factors.



The USDA establishes food safety and sanitation requirements for food processing facilities, including lighting criteria at inspection stations. G&G's food processing lighting solutions are engineered to help facilities meet USDA inspection standards by delivering high-output, evenly distributed illumination that can achieve the required 200 foot-candles at inspection surfaces, while offering 90 CRI performance to support accurate identification of contaminants, bruises, discoloration, and spoilage.



IK ratings measure a product's resistance to mechanical impact. IK10 provides protection against a 20 joule impact (e.g., a 5 kg object dropped from 40 cm), ensuring durability in harsh environments.

NEMA 4X NEMA 6P

NEMA 4X and NEMA 6P ratings define a product's resistance to environmental conditions. NEMA 4X offers protection against dust, water, and corrosion, while NEMA 6P ensures waterproofing against prolonged submersion. Both ratings indicate rugged enclosures suitable for harsh, wet, or corrosive environments, ensuring equipment durability and safety.



Double Insulated

The NEC 2020 edition allows lighting products with double insulation, which lack exposed metal parts, to be exempt from grounding requirements. These products, marked with a specific symbol, are considered safer as they don't require grounding to prevent shock hazards, differing from products with exposed metal components.



cULus and ETL certifications indicate that products meet safety standards in North America. cULus is issued by UL for products sold in Canada and the U.S., while ETL, from Intertek, signals compliance with similar standards. Both ensure a product's safe use and regulatory conformity in the market.



A 3G vibration rating indicates a product's ability to withstand vibration forces up to 3 times the force of gravity (3g). This rating ensures the device can endure mechanical stress and vibrations typically encountered in industrial, automotive, or transportation environments without compromising performance or structural integrity.

Mounting Accessory Part Numbers

WPX, WPX+, WPX COLOR, GPX

G&G will provide the appropriate type (indoor vs. outdoor) and quantity of non-metallic quick latch clip depending on each fixture ordered (two clips per 2' and 4' fixtures, or three clips per 6' and 8' fixtures).

Part Number	Description
MNT-G1-NM-2015	(1) Non-Metallic Quick Latch Mounting Clip (Indoor)
MNT-G1-NM-2020	(1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor)
MNT-G1-SS	(1) Stainless Steel Bolt Latch Mounting Clip
MNT-G1-SS-KIT	Kit of (3) Stainless Steel Bolt Latch Mounting Clips
MNT-G1-MAG-NM-2015	(1) Non-Metallic Quick Latch Mounting Clip (Indoor) with Maximum Strength Disc Magnet
MNT-G1-MAG-NM-2020	(1) Non-Metallic Quick Latch Mounting Clip (UVO Outdoor) with Maximum Strength Disc Magnet
MNT-G1-MAG-SS	(1) Stainless Steel Bolt Latch Mounting Clip with Maximum Strength Disc Magnet



*Non-Metallic Quick Latch
Mounting Clips*



*Stainless Steel Bolt Latch
Mounting Clips*

FPX AND FPX COLOR

All fixture models have a cable/chain mount option incorporated into the end-cap (the actual cable/chain is not included).

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



Wall Mount at 45° Angle



Cable/Chain Mount



Unique Lighting Solutions for Harsh Environments

At G&G Industrial Lighting, we don't just build lights—we *engineer solutions*. Our LED lighting solutions are purpose-built to meet the unique challenges of each application. Our products are built with the durability withstand the harshest environments and deliver dependable, long-term performance. We listen to our customers, and put them first in everything we do. If you need lighting built to withstand it all, you need G&G Industrial Lighting. We're here to help you light the way, no matter what the environment throws at you.

G&G
INDUSTRIAL LIGHTING

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