



# Lighting and Power Distribution for your Critical Mission



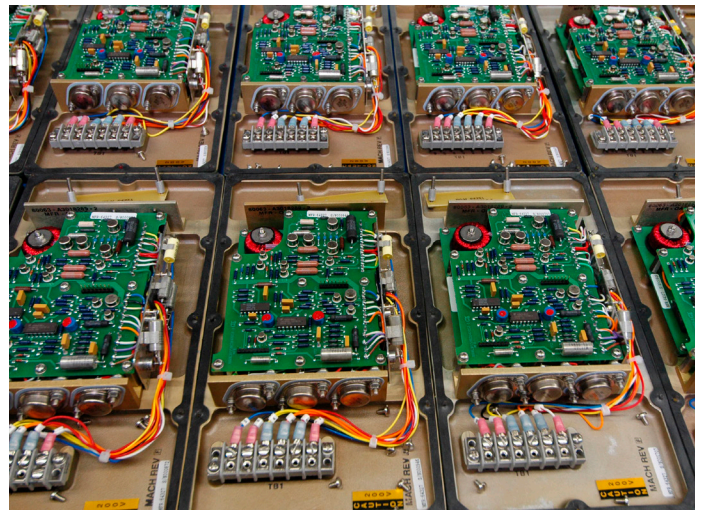
The Federal Prison Industries (FPI) Electronics Business Group produces technically advanced, mission-critical electronic products and components, including lighting and power distribution equipment used worldwide on military bases, federal agency and law enforcement command posts, heavy-duty equipment, secure

communications systems and sensitive electronics for aircraft, ships, and smart weapons. Our experience ensures the production of high-performance, rugged, and reliable lighting and power distribution equipment for the U.S. Armed Forces, federal agencies, law enforcement and military OEMs.



## Why Choose UNICOR

- **Proven success** – over 60 years of experience in manufacturing heavy-duty, rugged lighting for use in demanding environmental conditions, and power distribution equipment with broad applications, ranging from heavy equipment operation to protecting and powering sensitive electronic equipment
- **Full Range of Services** – one-stop shopping for lighting and power distribution needs, from CAD and prototyping services through production and distribution
- **On-time Delivery & Production Capacity** – Nationwide production facilities fully-equipped and staffed to handle all lighting and power distribution needs, including immediate production capability, and the flexibility to meet accelerated delivery schedules
- **Unmatched Customer Service** – Customized distribution networks across the U.S. and abroad
- **Competitive Pricing** – Highly competitive prices, plus, our extensive knowledge of federal government procedures, make your procurement process easy and convenient
- **Quality Assured**
  - Precision made products manufactured in a statistical process control (SPC) and ISO9001:2015 environment
  - 100% inspected and 100% guaranteed to meet rigorous military, agency, and commercial specifications
  - On-going staff training programs for new manufacturing trends and developments



# Demanding Environments Demand High Performance Products



## Lighting You Can Count On

FPI both produces and customizes heavy-duty, reliable flood lights, drop lights and lighting kits. We also manufacture and distribute power-distribution crosslinks to operate lighting equipment from a central power source or generator. Our lighting products illuminate runways, basecamp living quarters, kitchens and hospital tents, operations command centers, and almost every other military, agency, and commercial use where portable, heavy-duty lighting is required.

## Power Distribution Cross Links

Our power distribution crosslinks are used in a wide array of military, law enforcement and federal agency command posts and outposts, and are also ideal for use on commercial construction sites and temporary facilities.

Capabilities include:

- Allow for linking lighting and equipment with different voltage and amperage requirements to a central power source
- Heavy-duty, environmentally hardy, and rugged enough for multiple deployments and retrieval
- Capacity to customize power distribution crosslinks
- Available replacement parts, such as insulated cables and connectors, transformers and other transmission equipment, and cable joints and terminations

## Drop Lights

FPI manufactures drop lights for heavy-duty operation under a wide range of combat and environmental conditions. Such as on military bases and in command post mess tents, kitchens, hospital tents and living quarters. We also supply all necessary parts for lighting installation, including wiring, ballasts, bulbs, and fixtures.

## String Lights

FPI manufactures string lights for multiple uses ranging from lighting tents and walkways at command posts to illuminating military runways. Heavy-duty, waterproof and rugged enough to withstand wide temperature ranges and dust. Our string lights are also resistant to hostile gases, petroleum products and solvents.

## Light Kitting

To expedite installation of lighting, FPI produces lighting kits customized to your specific requirements. Kits can include wiring, ballasts, bulbs, fixtures, extension cables, insulation materials, and electrician's tape and tools. Their design saves technicians time by providing all parts and tools required for lighting installation. In addition, light kits help lower inventory management costs by reducing warehouse or supply depot space needed to store individual parts and tools.



## Putting the Power into Power Distribution (PDISE)

FPI is proud to manufacture and customize heavy-duty, end-to-end power distribution solutions for sensitive, mission-critical test systems, control equipment, and electronic devices – a valuable resource for military, agency, and OEM customers with special requirements for power distribution and control.

Our power distribution units' capabilities include:

- Available in one-phase or three-phase standard, modified standard, and customized formats
- Customized as to output receptacles, panels, and uninterruptible power systems
- Offered in a choice of electrical ratings and include EMI/RFI filters, transient suppression, and circuit breakers
- Can be rack mounted
- Provide multiple levels of power distribution for defense, avionics, communications equipment, and data centers

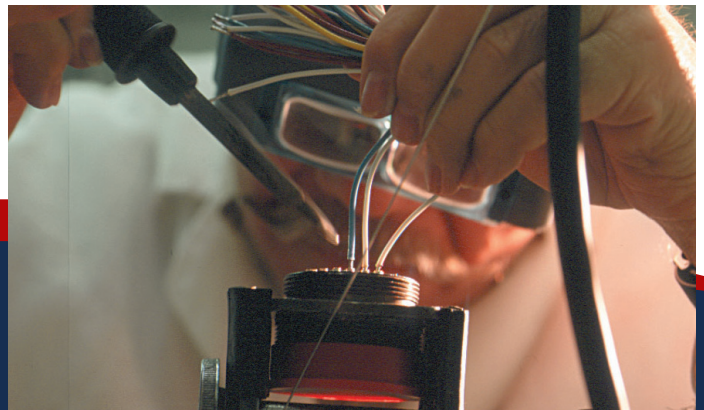
- Used to test the flight and combat systems of military aircraft
- Deliver reliable power to critical shipboard systems in combat
- Power up command center and outpost communications

### Extension Cords

Our heavy-duty extension cords can be found worldwide, connecting equipment, lighting and communication systems to power sources in military facilities, on shipboard, for secure communications systems, and to operate heavy equipment.

Extension cords capabilities include:

- Available in virtually any length
- Incorporate any plug type, including NEMA, three-conductor, heavy duty, and locking plugs as well as multiple plugs
- Polarized, UL and CSA approved
- Meet military specifications



### Surge Protectors

The system of lines and transformers that supply power to mission-critical equipment is very complex. Failures can occur at many different points, making surge protectors and power supplies vital to continued safe, reliable electrical and electronic equipment operation.

Our wide range of surge protectors include the following characteristics:

- Designed for AC and DC power, data, RF, or co-axial lines.
- Heavy-duty, multistage design for fast response time and high-power handling capacity
- Contribute to equipment life and eliminate costly downtime
- Available for single-phase and three-phase networks.
- Protect sensitive equipment from lightning strikes and electrical transients
- Designed to safeguard instrumentation and control equipment, radio base stations, and wireless and telemetry systems
- Automatically reset after each surge, making them maintenance free



## Making Change Possible

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The Federal Prison Industries program (now operating under the trade name UNICOR) was established in 1934. Eighty years later, the program continues to operate at no cost to taxpayers and benefits communities across the Nation by creating safer prisons and reducing inmate recidivism.

Social responsibility underscores everything we do. By providing a platform of job and life skills training along with work experience, we increase offenders' chances of securing meaningful post-release employment and becoming a contributing member of society.

Research shows that offenders who participate in the UNICOR program are 24% less likely to return to criminal activity and 14% more likely to obtain employment upon release from prison compared to those without similar experience.

UNICOR invests in America by reducing crime, and its costs and consequences. For every dollar spent on correctional industry programs, a substantial amount is saved in future criminal justice costs (e.g., arrests, convictions, incarceration, crime victimization and post-release supervision).

Ultimately, UNICOR helps keep America safe, reduces public assistance costs, and compensates victims of crime. It also supports local businesses via the purchase of raw materials, promotes the viability and health of our communities, and effectively reduces crime's revolving door.

## Contact

A full list of our Lighting Power and Distribution products is available on request. Federal Prison Industries (FPI) excels at producing customized products and service solutions to meet your lighting and power distribution requirements. Contact us to see how we can become your number-one source for quality, high-performance, reliable, and rugged lighting and power distribution equipment.

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