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## **Emergi-Lite<sup>®</sup> Inverters**

Your complete guide to power  
your existing lights as emergency lights



- Benefits of using existing lights
- Benefits of using existing wiring
- Eliminate manual maintenance for testing and audit trails
- Comply with life safety codes

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## **Emergi-Lite®**

Providing optimal light in an emergency  
with our backup power systems

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# Benefits of using existing lights as your emergency lights

We all know the feeling of walking in a large building and having no idea where to go. Roaming through hallways, taking wrong turns or trying to find your way out of a building can be difficult, especially in the event of an emergency.

**Emergency lighting and exit signs are essential for commercial buildings, where individuals need to evacuate quickly and safely.**

Now imagine if your normal electrical supply is interrupted by an emergency, but instead of just emergency and exit signs, your existing lights worked in conjunction with your emergency lights to illuminate and direct occupants to the nearest exit. Using your existing lights as emergency lights could provide dual support, allowing individuals in the building to see clearly, avoid obstacles and confidently find to the nearest exit during a power failure.

Use your existing lights  
as an emergency lighting solution

**Keep building aesthetics in place**

Maintain the look of existing lights without adding separate emergency lighting units. Ideal for rooms with specific architectural designs, reception areas and lobbies, as well as in commercial and retail spaces.

**Comply with life safety codes**

As emergency lighting is directly linked to life safety, codes and regulations demand strict compliance in the design, installation and maintenance of a fixture and other emergency lighting equipment.

**Reduce initial and ongoing costs**

By eliminating the need for separate emergency lighting units, initial installation costs are significantly reduced. Using inverters instead of self-powered emergency lights simplifies maintenance and testing.





# Emergi-Lite®

## Your complete emergency lighting solution

Emergi-Lite® is a leading provider of high-performance life safety equipment.

### Made in North America

Our products are designed, manufactured and tested at our state-of-the-art North American Manufacturing Center of Excellence. Through our warehousing and distribution networks across the United States, we offer expedited shipping options for quick delivery.

### High-quality and performance standards

Rely on Emergi-Lite® for expert advice on planning systems, ease of installation, safety and long-term reliability. We provide outstanding quality levels, easy ordering capabilities and knowledgeable customer service.

### Our technical design experts will :

Calculate the distance between lighting units needed for emergency lighting at floor level. These calculations consider lamp power, installation height, exit path width, and surface reflectivity.

Show how different configurations affect installation and ongoing maintenance and testing.

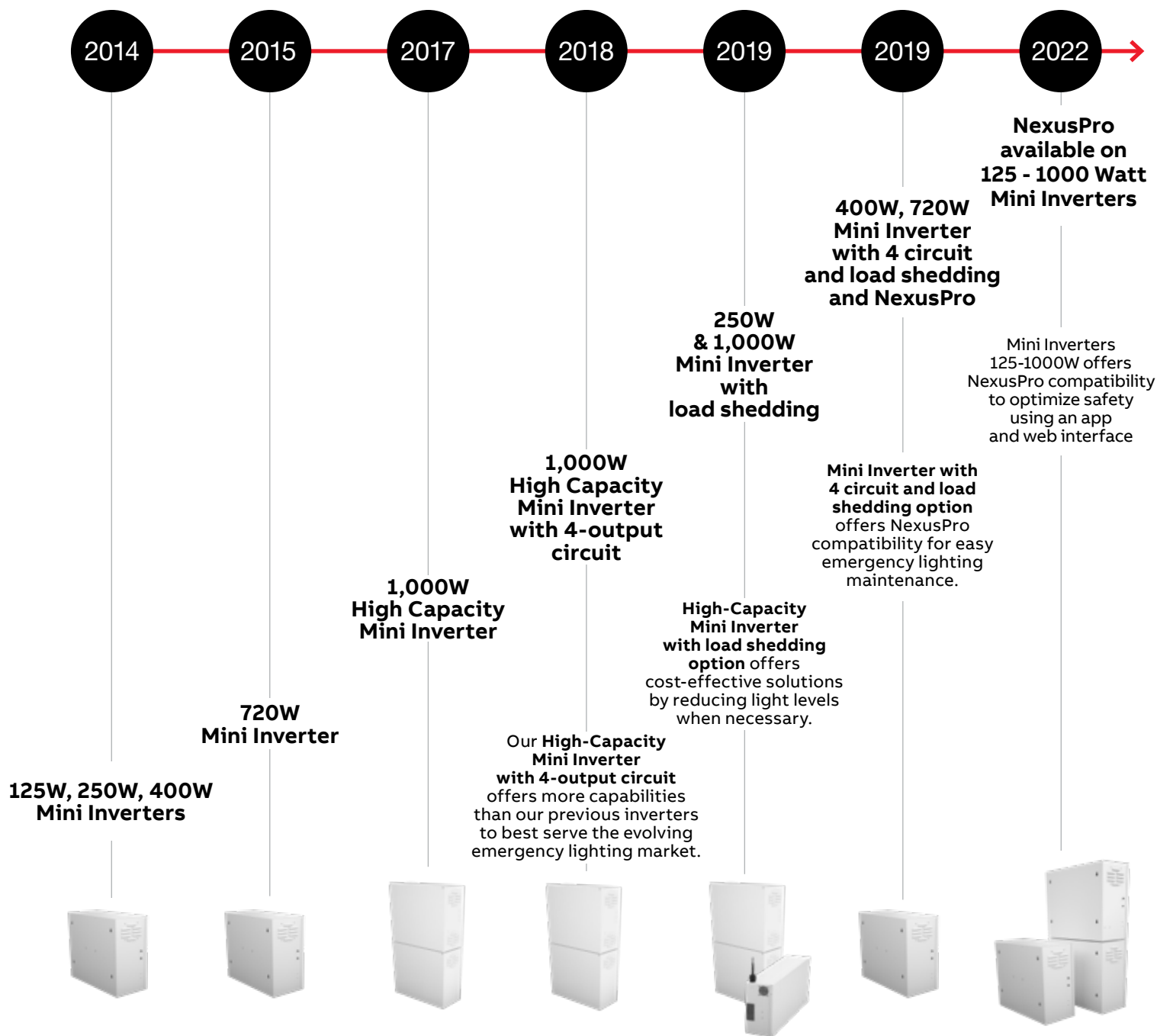
Analyze your requirements and provide a certified technical drawing displaying how your emergency lighting plan meets code requirements.





The Emergi-Lite® state-of-the-art North American manufacturing facility is a center of excellence thanks to the commitment, expertise, and creativity of every employee.

Emergi-Lite® is at the forefront of new, innovative lighting design applications. From the introduction of our first Inverter in 2014 to the latest high capacity Mini Inverters, our product teams continue to transform the emergency lighting landscape.



# Mini-Inverters

For multiple luminaires requiring up to 1,000W at a distance of up to 1,000 feet

**The most versatile, flexible emergency power option**







- Delivers 100% power/lumen output of the fixture
- Ideal for locations with limited space to house power systems





# Mini-Inverters

## Product matrix

	Mini Inverters		
	Low Capacity Mini Inverter Series	Mini Inverter Series	Mini Inverter 1000W
			
Certification			
Housing	Heavy-duty steel cabinet	Heavy-duty 14-gauge steel cabinet	Heavy-duty 14-gauge steel cabinet
Application	NEMA 1	NEMA 1	NEMA 1
Testing	Manual Test Switch 90 Minutes Emergency Operation	Non-Audible self-diagnostic (Standard) Advanced-diagnostic, audible (Optional) Manual Test Switch (Optional) <b>nexus</b> (Optional)	Non-Audible self-diagnostic (Standard) Advanced-diagnostic, audible (Optional) Manual Test Switch (Optional) <b>nexus</b> (Optional)
Battery	Lead-Calcium	Lead-Calcium	Lead-Calcium
Mounting	Surface mount Recessed T-bar (plenum rated) Remote mounting up to 1000'	Surface mount Optional recessed T-bar (125W unit only)	Surface mount
Load capacity/ wattage output	<b>32W, 55W</b>	<b>125W, 250W, 400W, 720W</b>	<b>1000W</b>
Voltage	120/277 VAC, 60Hz Input	120/277 VAC or 277/277 VAC, 60Hz Input	120/120 VAC or 277/277 VAC, 60Hz Input
Lumen output	Full Brightness Output	Full Brightness Output or % with Load shedding (250, 400 and 720 watt only)	Full Brightness Output or % with Load shedding
Options	*Control panel with momentary test switch, AC-On, Charger-On *Inverter-On LED indicators	*Load shedding (250W only) *15min Time Delay *Service Alarm contact *4 output circuit (400W and 720W)	*Load shedding *15min Time Delay *4 output circuits *Service Alarm contact
Compatibility	Lamps: LED, Incandescent and Fluorescent	Lamps: LED, Incandescent and Fluorescent	Lamps LED, Incandescent and Fluorescent
Warranty	3 Years	3 Years	3 Years
Operation	Normally-on, normally off or switched loads	Normally-on, normally off or switched loads	Normally-on, normally off or switched loads
Electronics	Pure sine wave Inverter	Pure Sine wave Inverter (250W and above)	Pure sine wave Inverter

## Low Capacity Mini Inverters 32W, 55W

### Power one or two lighting units

**Low capacity Mini Inverters are ideal for single room applications such as convenience stores.**



Heavy-duty steel cabinet;  
scratch and corrosion resistant  
white powder paint finish

Accommodates surface mount or T-grid installations (plenum rated)

Allows remote mounting up to 1,000 feet from emergency lighting fixtures, eases testing

Provides pure sine wave output to meet the specific requirements for emergency lighting

Operates incandescent, LED, fluorescent and ballast combinations

Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements; UL924 Listed

3-year warranty and 3-year pro-rata battery warranty



## Mini Inverters 125W, 250W, 400W & 720W

Power multiple lighting units,  
single output circuit

**Mini inverters offer single-point maintenance, Advanced Diagnostics and Nexus® compatibility.**



Heavy-duty steel cabinet;  
scratch and corrosion resistant  
white semi-gloss powder-coat paint finish

Accommodates surface mount or recessed T-bar installations (125W only)

Allows remote mounting up to 1,000 feet from emergency lighting fixtures; ideal for powering an entire floor in a building

Provides pure sine wave output (250W and up) to meet the specific requirements for emergency lighting

Operates incandescent, LED, fluorescent and ballast combinations, including 0-10V dimmers

Supplies 100% lumen output with less than 1 second transfer time

Runs switched, normally-on, or normally-off fixtures

Minimizes maintenance with standard self-diagnostics, and optional Nexus® compatibility

Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements; UL924 Listed

250W mini inverter has optional load shedding

3-year warranty and 7-year pro-rata battery warranty





# Mini Inverter

## 400, 720 and 1000W with 4-output circuit for mixed loads of multiple lighting units

**High-capacity Mini Inverters include a 4-output circuit to offer an extremely versatile solution for many applications.**



Heavy-duty 14-gauge steel cabinet  
in white semi-gloss powder-coat paint finish

Optional 4-output circuit, each with a fuse breaker and 0-10V dimming control capability to easily connect multiple circuits of mixed loads

Runs switched, normally-on, and normally-off fixtures

Operates incandescent, LED, fluorescent and ballast combinations, including 0-10V dimmers

Allows remote mounting up to 1,000 feet from emergency lighting fixtures; ideal for powering an entire floor in a building

Small footprint; accommodates wall/floor mounting

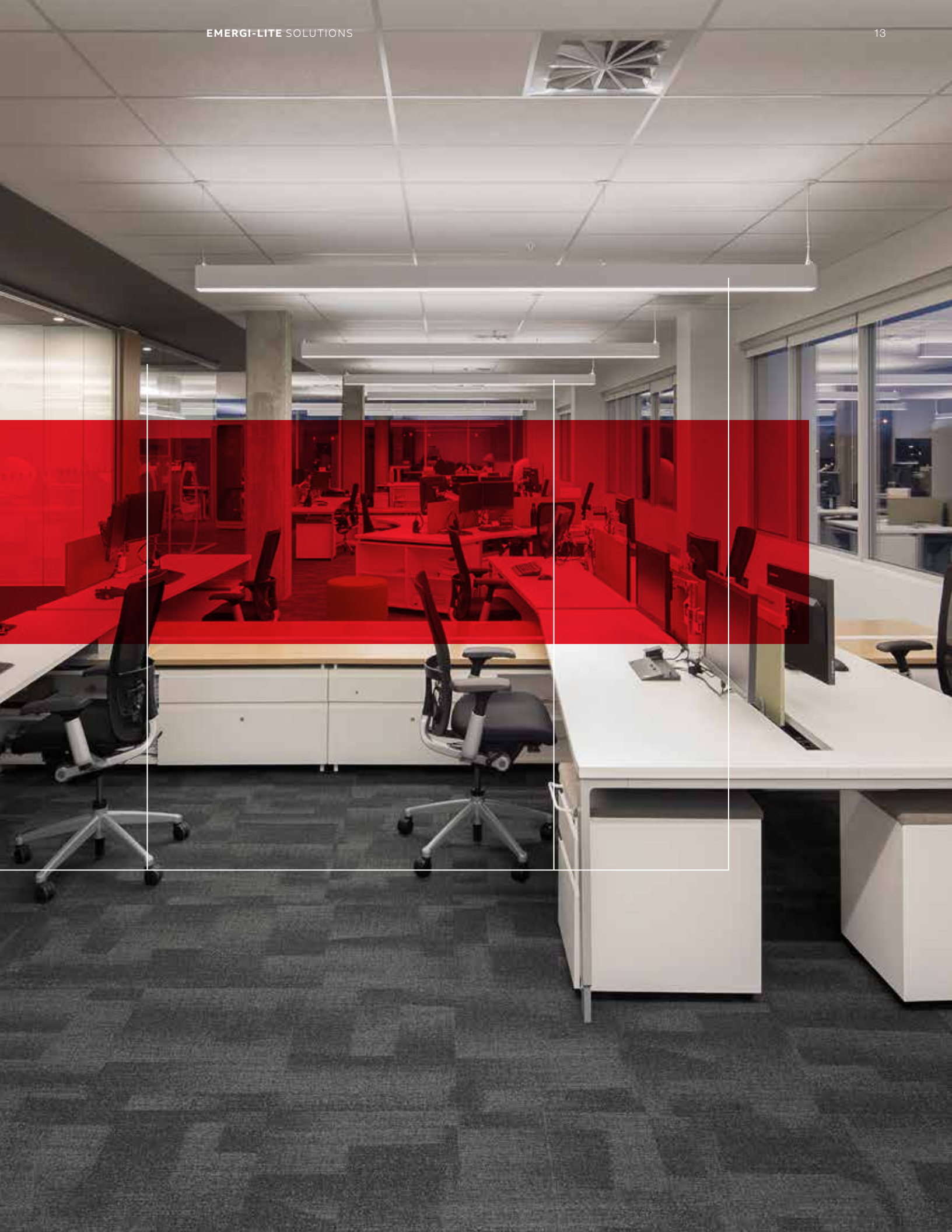
Provides pure sine wave output to meet the specific requirements for emergency lighting

Supplies 100% lumen output with less than 1 second transfer time

Minimizes maintenance with standard auto-diagnostics, and optional Nexus® compatibility

Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements; UL924 Listed

3-year warranty and 7-year pro-rata battery warranty



# Nexus® Pro

## Intelligent emergency lighting management system

**Mini Inverters**  
Now compatible with Nexus® Pro  
125W-250W-400W-720W-1000W



Nexus® Pro is designed to enable building owners and managers to easily maintain and test emergency lighting, without the need to visually verify performance or disrupt the power supply.

With digital solutions, building owners now can have peace of mind knowing their buildings are safer than ever. All operations can be managed remotely, giving building owners and managers complete control wherever they are, whenever they need it most while preventing any human error in the process.

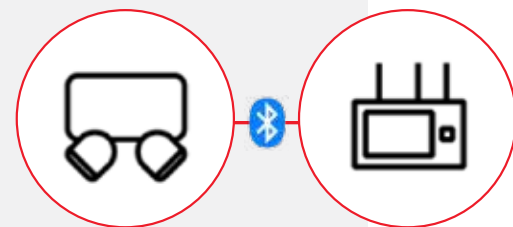


**The Nexus® Pro intelligent emergency lighting management system uses IoT connectivity to optimize safety using an app and web interface**

### Global connectivity platform

Emergency lighting units

ABB Gateway



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**Set up**

Easily install and add new devices through your smart device

**Maintain**

Defective devices are automatically detected and reported on your interface in addition to push notifications

**Test**

Run test instantly or program them to ensure that all your devices are working properly

**Share**

Easily share the results of tests with team members, maintenance staff and technicians

**Cost effective**

- Reduce labor costs for maintaining emergency lighting
- Saving on cost and labour on manual collection and recording of emergency lighting data
- 200 emergency lighting units on one gateway
- Reduce Monitoring costs by simply receiving notification once there is defective device

**User friendly**

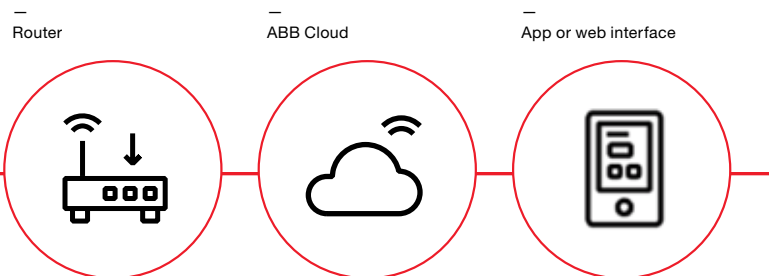
- Monitor remotely anywhere at anytime
- Fast and easy testing with a smart device
- Interactive 2D floor plan layout showcasing emergency lighting positioning
- Software updates automatically applied
- Easily go from one building to many with our scalable system

**Enhanced Safety and Protection**

- Comply with Building and Life Safety Codes and other North American regulations
- Real-time self-monitoring and maintenance alerts if units stop functioning
- Holds all emergency lighting testing and maintenance data in a secure ABB cloud
- Ownership of maintenance data input, quick testing and device monthly and annual scheduling

**Improve installation efficiency**

- Quick and flexible commissioning
- Ease of use due to app configuration
- Get diagnostics and part number recommendations during failures



Please scan the QR code to download our NexusPro app and to view our complete Nexuspro brochure.



iOS



Android



Nexus®Pro brochure

# Nexus<sup>®</sup> real-time automated monitoring

Eliminate manual maintenance  
for testing and audit trails

**Connect Mini Inverters to Nexus<sup>®</sup>  
for a system that monitors itself.**

Manages the status of an entire emergency lighting system from a central control unit

Reduces testing/service time for minimal maintenance costs

Ensures code compliance with automated testing and record-keeping

Provides extremely high levels of system reliability and performance

Accommodates single buildings or a group of properties with wired and wireless system options

Protects network integrity with robust software, enhanced cyber security, a strong signal, and superior penetration through building materials; ideal for industrial applications

Supports green building initiatives and LEED certification







# Emergi-Lite®

## Your partner in success

### **Satisfaction at every step of the process**

Our North American team works with you to make sure you have the most efficient solution that meets your specifications. Emergi-Lite® products are designed for durability, reliability, and ease of use.

With Emergi-Lite®, our solution is:

- Easy to install and maintain
- Compliant with codes, regulations and standards – certifications available
- High quality and reliable for maximum safety

### **Expect fast shipping, prompt service, and ongoing support**

Not only can we provide extremely short lead times, we also offer product customization at our North American manufacturing center. Our engineering team and product designers work together to create innovative new products and unique solutions that continuously help you become more efficient.

With Emergi-Lite® you have peace of mind that your life safety equipment will perform when you need it.







**ABB Installation Products Ltd**

**[emergi-lite.com](http://emergi-lite.com)**

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