

IP69K

PRODUCTS

From Federal Signal



Products for dust-tight environments, that withstand high-pressure and high-temperature washdowns.

What is IP69K?

IP69K is the highest standard on the Ingress Protection (IP) rating scale. This rating was designed for applications in which products are regularly exposed to high-pressure and high-temperature washdowns. IP69K ensures the highest confidence in harsh environments where sanitation and cleanliness are required.

IP69K products are ideal for applications in:

- Food and Beverage
- Wastewater
- Pharmaceutical
- Marine
- Medical Facilities
- Medical Equipment Manufacturing

IP69K products help reduce product failures due to water/dust ingress, increasing productivity and decreasing production downtime.

IP rating system

The IP rating system is defined in international standard IEC 60529. IP ratings are used to classify and define levels of ingress protection on electrical devices against solids and water. By defining a rating, the IP system ensures specific levels of coverage when products are faced with varying elements.



HOW IS IP69K DIFFERENT FROM NEMA TYPE 4?

Both standards require the product to withstand water but at different levels. The IP69K rating is important when products are being sprayed down at closer distances.

IP69K

- ✓ High pressure
- ✓ Low volume/
High temperature
- ✓ Short distance
6" max
- ✓ Dust-tight

NEMA TYPE 4

- ✓ Low pressure
- ✓ High volume
65 gallons/minute
- ✓ Long distance
10–12ft

Our products endured the following testing:



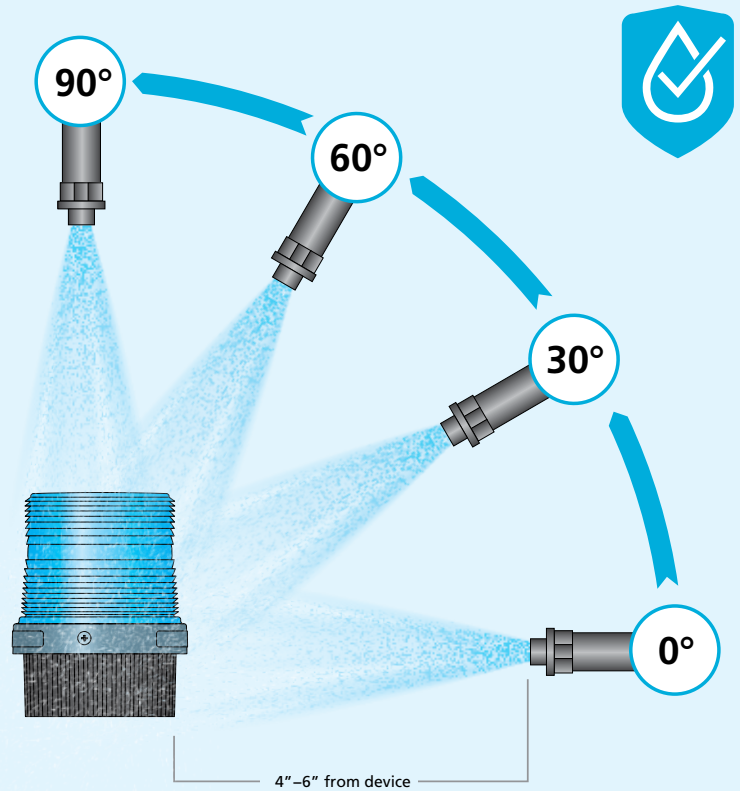
IP6K

Dust-tight tested in an Arizona A2 Dust 2kg/m³ chamber for 6 seconds at a time, every 15 minutes for five hours.



IP9K

Testing which included high-pressure steam jet cleaning, water sprays of 1160–1450 psi every 30 seconds. The water is sprayed from 4 different angles, at a distance of 4–6 inches, and temperatures of 176°F (80°C).



YOUR SAFETY AND SECURITY IS OUR PRIORITY!

Certifications

In addition to IP69K, our products have been designed to meet or exceed the uncompromising standards of UL, CSA, CSFM, IECEx, and other global certifications*. And with our ISO 9001 Certification, we want you to know that we are committed to quality.

*Certifications are model variant. See individual product pages.



SAFE AREA



**Models 121S
and 121A**

Vitalite® Rotating Lights



Model 225

Electraray® Rotating Light



Model 350WB

Weatherproof Vibratone® Horn with Back Box



Model 371LED

Commander® LED Rotating Beacon



**Models FB2PST
and FB2PST-I**

Fireball® Strobe Lights

Model FB24ST

Fireball® Supervised Strobe Light



**Models FB24STHI and
FB24STHI-024C-CN**

Fireball® Supervised Hearing Impaired
Strobe Lights



**Models LP3M, LP3P
and LP3S**

StreamLine® Low Profile Strobe Lights

**Models LP3SL,
LP3PL and LP3ML**

StreamLine® Low Profile Steady Burning
LED Lights

SAFE AREA



**Models PMA
and PMAMT**

Panel Mount Electronic Sounders



Model PMC

Panel Mount Multifunctional LED Combination Audible/Visual Signal



**Models PMLMP
and PMLST**

Panel Mount Multifunctional LED Beacons



**Models PMMFL
and PMMST**

Panel Mount Multicolor LED Beacons



Model RSL

Radiant Configurable Stack Light with up to 7 Modules and 5 Mounting Options



**Models SLM100,
SLM200, SLM300/350,
SLM1400/1450
and SLMB5, SLMBD
and SLMBP**

StreamLine® Modular Multifunctional LED Beacons and Mounting Options

HAZARDOUS LOCATION



Model USIX

Hazardous Location UniStat™ LED Status Indicator

HAZARDOUS LOCATION



Model 151XST

Hazardous Location Strobe Light

Model 154XST

Hazardous Location Supervised Strobe Light

Models 191XL and 191XL-CN

Hazardous Location LED Lights



Models 154XSTHI and 154XST-CN

Hazardous Location Supervised Fire Listed Strobe Lights



Model 224XST

Electraray® Supervised Hazardous Location Strobe Light



Model 224XSTHI

Electraray® Supervised Hearing Impaired Hazardous Location Strobe Light



Model 225X

Electraray® Hazardous Location Rotating Incandescent Light



Model 225XL

Electraray® Hazardous Location LED Flashing Light



Models 225XST and 225XST-I

Electraray® Hazardous Location Strobe Lights



Model 371DST

Commander® Double Strobe Hazardous Location Light



Model 371LEDX

Hazardous Location Commander® LED Rotating Light



Model G-LED

Global Series® LED Beacon

HAZARDOUS LOCATION



Model G-STR

Global Series® 15J and 21J Strobe



Model 350WBX

Vibratone® Hazardous Location Horn with Back Box



Model 450EWBX

Vibratone® Hazardous Location Electronic Horn



Models 300GCX and 300GCX-CN (15W), 302GCX and 302GCX-CN (30W)

SelectTone® Hazardous Location Amplified Speakers



Models 304GCX and 304GCX-CN (15W), 314GCX and 314GCX-CN (15W)

SelectTone® Hazardous Location Supervised Amplified Speakers



Models AM300GCX (15W) and AM302GCX (30W)

AudioMaster® Public Address Hazardous Location Speakers



Model AM15XD2

Public Address Hazardous Location Speaker



Model SST3GCX-MV

Hazardous Location Remotely Selectable Electronic Siren



Models ASHH (15W) and ASUH (30W)

Hazardous Location Amplified Speakers

EXPLOSION-PROOF



Model 24XST

Explosion-Proof Supervised Strobe Light

Model 27XST

Explosion-Proof Strobe Light

Model 27XL

Explosion-Proof LED Light



Model FSEX

Explosion-Proof Strobe Light



**Models 24XSTHI-MOD
and 24XSTHI-CN**

Explosion-Proof Hearing Impaired Strobe Light

Model FSEX-HI

Hearing Impaired Explosion-Proof Strobe Light



Model 121X

Explosion-Proof Rotating Light



FEDERAL SIGNAL

2645 Federal Signal Drive
University Park, IL 60484
Tel: +1 708.534.4756
www.fedsig.com