

# 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:



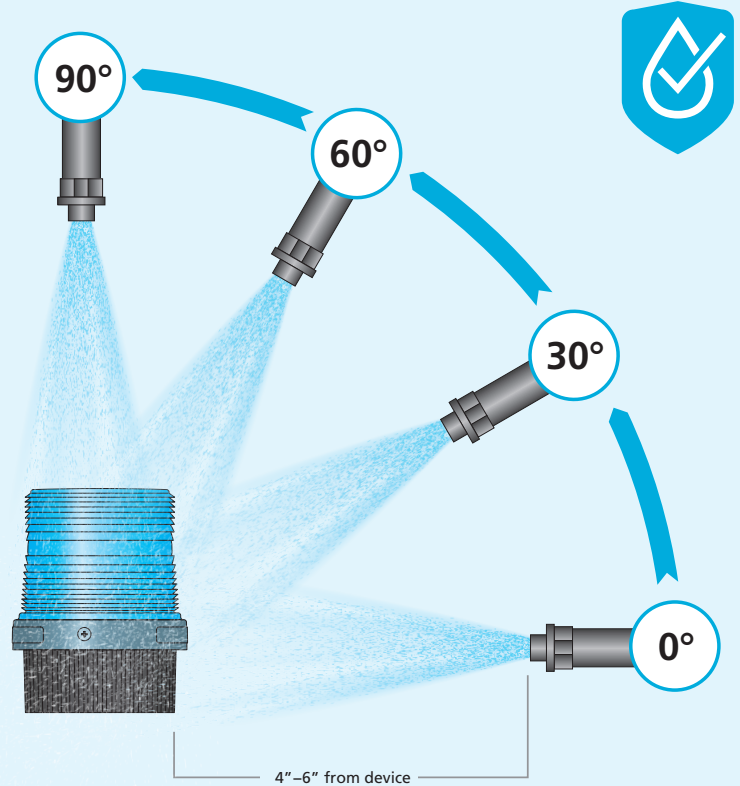
### IP6K

Dust-tight tested in an Arizona A2 Dust 2kg/m<sup>3</sup> 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



LP3M, LP3P, LP3S  
StreamLine® Low Profile Strobe Light



Model LP3SL, LP3PL, LP3ML  
StreamLine® Low Profile Steady Burning LED Light



Model FB2PST and FB2PST-I  
Fireball® Strobe Warning Light



Model FB24ST  
Fireball® Supervised Strobe Warning Light



Model FB24STHI and FB24STHI-024C-CN  
Fireball® Supervised Hearing Impaired Strobe Warning Light



Model 225  
Electrarray® Rotating Light

HAZARDOUS LOCATION



Model USIX  
Hazardous Location UniStat® LED Status Indicator



Model 224XST  
Electrarray® Supervised Hazardous Location Strobe Warning Light



Model 224XSTHI  
Electrarray® Supervised Hearing Impaired Hazardous Location Strobe Warning Light



Model 225X  
Electrarray® Hazardous Location Rotating Light



Model 225XST and 225XST-I  
Electrarray® Hazardous Location Strobe Warning Light



Model 225XL  
Electrarray® Hazardous Location LED Flashing Warning Light



Model G-STR-\_-15J  
Global Series™ Signaling Platform – 15J Strobe



Model G-STR  
Global Series™ Signaling Platform – 21J Strobe



Model G-LED  
Global Series™ Signaling Platform – LED Beacon

EXPLOSION-PROOF



Model 121X  
Explosion-Proof Incandescent Rotating Light



Model FSEX  
Explosion-Proof Strobe Light



Model FSEX-HI  
Hearing Impaired Explosion-Proof Strobe Light



Model 27XST  
Explosion-Proof Strobe Light



Model 27XST-024\*-4-MOD  
Explosion-Proof Supervised Strobe Light



Model 27XL  
Explosion-Proof LED Light