

**Honeywell**  
**SALISBURY**



**Honeywell Salisbury® PrismShield™**  
Colors within Sight, Safety on Site

## Definition and Risks of an Arc Flash

Arc Flash is a dangerous condition associated with the release of massive amounts of energy produced by an electrical arc. Arc flashes can be generated by various conditions including mechanical breakdowns or failure of electrical circuits, current overloads, or accidental contacts. This explosive condition includes a broad spectrum of electrical magnetic energy, plasma, fragments of damaged equipment, and molten metal from the destruction of conductors at the point of the arc flash.

An arc flash event can generate temperatures reaching 35,000 F – that is four times hotter than the surface of the Sun. The molten copper that is generated from an arc flash often exceeds 2,000 F and rapidly expands from the source of the arc event, often at a great distance from it. Between the super-heated plasma, the molten copper, and the overall force of the arc event, everyone in its vicinity is at serious risk of injury or even death. The effects of an arc flash can be devastating unless you are properly protected.

## We Take Your Safety Seriously

We know that lives depend on the quality of our products. For over 150 years, Salisbury has been the name an entire industry trusts to provide the finest safety products available. All Honeywell Salisbury production facilities are ISO 9001:2008 registered and are equipped and staffed to manufacture products which conform to the highest possible standards.

Salisbury is also your complete source for personal electrical safety products that comply with NFPA 70e requirements and OSHA regulations. This has enabled Honeywell Salisbury to become the world-wide leader in electrical safety equipment – including the revolutionary PrismShield.



# The Right Way to Distinguish Every Color Right Away

The Honeywell Salisbury™ PrismShield improves color recognition and general visibility compared to existing face shields – you can clearly see the difference.

As a Safety Manager you're already fully aware that workers need to correctly distinguish colors through their arc flash face shield. PrismShield provides full color recognition, making sure your workers can differentiate between similarly-colored objects at all times. It also increases general visibility, especially when working indoors in poorly-lit rooms. Our anti-scratch and anti-fog coatings are a guarantee for lens longevity, and our exclusive weight-balancing frame elevates comfort by reducing neck strain for users.

A reliable solution from Honeywell to improve your workers' color recognition and visibility – with all colors in sight and full safety on site.



## Introducing the PrismShield

The technology that gave traditional arc flash face shields their characteristic green color had an unfortunate side effect: the green tint distorted the colors a user would see. To avoid this and distinguish the exact colors, workers frequently lift up their shield, leaving their faces unprotected from an arc flash event.

The Honeywell PrismShield enhances color recognition and general visibility compared to green face shields. It provides full color recognition, making sure your workers will set similarly-colored cables apart in every occasion, and also increases general visibility, especially when working indoors in poorly-lit rooms.

**Full color recognition**  
Eliminates previous difficulties in distinguishing similarly colored objects from each other

**Bronze tint**  
Provides increased general visibility, especially when working indoors in poorly-lit rooms.

**Anti-fog**  
Allows usage for longer periods of time.



**Honeywell Salisbury's exclusive weight**  
Balancing frame (select products only) increases comfort by reducing neck strain for users

**Anti-scratch**  
Extends the life of the product.

### Agency Specification ASTM F2178

Standard test method for determining the arc rating and standard specification for eye or face protective products.

### ANSI Z87.1

Occupational and educational personal eye and face protection devices.

### NFPA 70E

Standard for electrical safety in the workplace®.

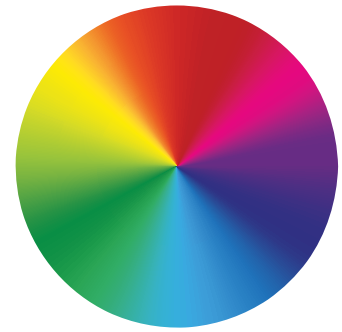
**Proper color recognition. Proper safety.**

The PrismShield nanoparticle technology allows the full spectrum of light to be transmitted and observed by the user. Therefore all colors can be observed and clearly identified with the new Prism Arc Shields – blues are blue, greens are green.

Compared to the legacy green arc shields from Salisbury, the PrismShield transmit 25% more wavelengths, making colors clearer and more visible across the color spectrum. Cutting edge nanotechnology enhances PrismShield visibility, making colors stand out and be easily identified from each other.

PrismShield color recognition makes colors visible where they once were almost indistinguishable. The circles below are common when testing for color blindness, the superior performance of the PrismShield is undeniable.

Color recognition testing showed that using the PrismShield gives the same color perception as not wearing a face shield at all.

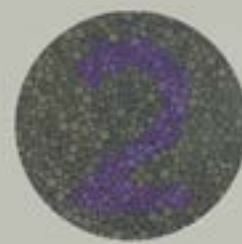
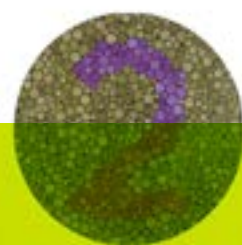
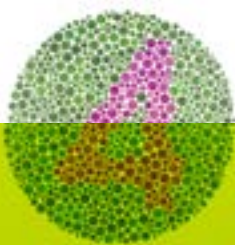


*PrismShield color spectrum*



*Legacy green color spectrum*

See the difference in color perception between the PrismShield and our legacy green lens. Notice the clarity of a PrismShield vs the distortion effect of a green lens.



List is not comprehensive. For the full range of PrismShield products please contact your local Honeywell Salisbury sales manager or our Customer Service team.

#### PRISMESHIELD™ LIFT FRONT HOOD

Part Number	Description
LFH20-SPL	20 cal/cm <sup>2</sup> Lift Front Hood with PrismShield™
LFH40-SPL	40 cal/cm <sup>2</sup> Lift Front Hood with PrismShield™
LFH40PLT-SPL	40 cal/cm <sup>2</sup> Lift Front Hood with PrismShield™ and Premium Light Weight fabric



#### PRISMESHIELD™ FACE SHIELDS

Part Number	Description
AS1200-SPL	12 cal/cm <sup>2</sup> Weight Balancing face shield with PrismShield™
AS1200HAT-SPL	12 cal/cm <sup>2</sup> Weight Balancing face shield with PrismShield™ with North Zone hard hat
AS1200FB-SPL	12 cal/cm <sup>2</sup> Weight Balancing face shield with PrismShield™ for full brim hard hats
AS2000-SPL	20 cal/cm <sup>2</sup> Weight Balancing face shield with PrismShield™
AS2000HAT-SPL	20 cal/cm <sup>2</sup> Weight Balancing face shield with PrismShield™ with North Zone hard hat
AS2000FB-SPL	20 cal/cm <sup>2</sup> Weight Balancing face shield with PrismShield™ for full brim hard hats

#### PRISMESHIELD™ HOODS

Part Number	Description
FH8BL-SPL	8 cal/cm <sup>2</sup> PRO-HOOD with PrismShield™
FH11BL-SPL	12 cal/cm <sup>2</sup> PRO-HOOD with PrismShield™
FH40GY-SPL	40 cal/cm <sup>2</sup> PRO-HOOD with PrismShield™
FH40PLT-SPL	40 cal/cm <sup>2</sup> PRO-HOOD with premium light weight fabric and PrismShield™



#### For more information

[www.salisburybyhoneywell.com](http://www.salisburybyhoneywell.com)

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