# **ARCSPECS™ AUTO-DARKENING GOGGLES / MASK**

# **Unique Welding Helmet Alternative**



### **KEY FEATURES**

The Lincoln Electric ArcSpecs™ Auto-Darkening Goggles are a unique protective alternative to a traditional welding helmet. The lightweight, low profile form factor is ideal for tight clearance environments like fabricating an automotive roll cage, pipeline or pressure vessel. This is coupled with our premium 4C® Lens Technology optic platform which eliminates visual imperfections and color saturation to create a clear, true color view of the base material, arc and puddle, while reducing eye strain.

#### **Industry Leading Optics**

- Exclusive 4C® Lens Technology
- · Superior 1/1/1/1 Optical Clarity
- 7.3 Sq. In. Continuous Auto-Darkening Viewing Area
- · Low Profile, External Digital Controls
- · World Class Technical Specifications

#### Versatility, Portability & Comfort

- 5-13 shade range with grind mode for use in welding, plasma cutting and more
- Optional Intelligent LED Light Module illuminates low light environments
- Compact, low profile design allows access to low clearance areas and is also simple to store
- 11.8 oz. weight is almost 50% lighter than many welding helmets

#### Process »

Stick, TIG, MIG, FCAW, Plasma Cutting, Oxyfuel Cutting, Grinding

Product Number » K4643-1



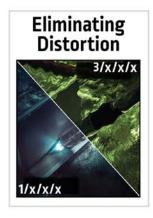


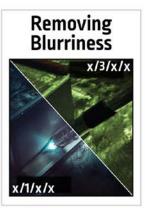
### **4C LENS TECHNOLOGY**

Lincoln Electric's proprietary liquid crystal display (LCD) enhances the visible color spectrum of the display. Unlike traditional auto-darkening filters, 4C lens technology broadens the color range & hues which can be seen in both light and dark states. This eliminates imperfections and color saturation to create the clearest view of the base material, arc & puddle, while reducing eye strain.

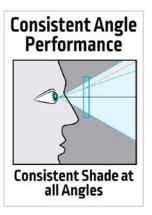


#### 1/1/1/1 OPTICAL CLARITY







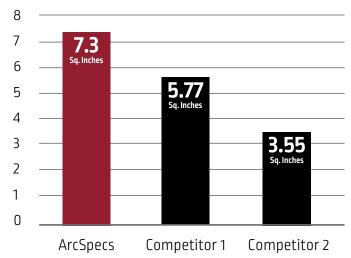


#### LARGE VIEWING AREA - Up to 51% Larger Than Competitors



## **Auto-Darkening Lens Size**

While the quality of the auto-darkening lens is critical, the size is also an important attribute to consider.



#### INNOVATIVE LED LIGHT ATTACHMENT

#### Illuminate Your Work Piece

The ArcSpecs' compact design lends itself for use in low clearance spaces, which also are frequently dark causing difficulties seeing the work piece and weld joint. To solve this problem, we have designed a custom LED light module which attaches to the goggles in seconds

#### Top Features:

- Bright & Focused Illumination Engineered LED light & capsule increases workspace visibility
- **Auto Mode** Automatically turns off when an arc is struck and turns back on when the arc is extinguished
- **Independent Battery** Replaceable AA Battery specifically for LED light module



### **EXCELLENT VERSATILITY**



Low Profile Shape is **Excellent for Use In Tight Spaces** 



**Compatible with Hard** Hats, Safety Glasses & **Some Respirators** 



Compact, Tool-Less Design for Easy, Efficient Storage

### PROFESSIONAL COMFORT & FIT

11.8 Ounces

Ultra Lightweight for Reduced Fatigue & All **Day Comfort** 



Adjustable FR Cotton Balaclava For Fit & **Protection** 



Adjustable Elastic Headband **Distributes Weight and Pressure** 

# What's Included

The ArcSpecs Auto-Darkening Goggles/Mask comes pre-assembled and is ready to use out of the box. It also comes with extra cover lenses and convenient carrying solution

# ArcSpecs Auto-Darkening Goggles/Mask - Part Number: K4643-1

- ArcSpecs Auto-Darkening Goggle Assembly 1 EA
- · ArcSpecs Adjustable Elastic Headband 1 EA
- ArcSpecs Black Plastic Face Guard 1 EA
- ArcSpecs Black FR Cloth Balaclava 1 EA
- ArcSpecs Clear Outside Cover Lenses 6 EA
- · ArcSpecs Clear Inside Cover Lenses 3 EA
- · Lincoln Electric Cloth Draw String Carrying Bag
- · ArcSpecs Operators Manual

#### REPLACEMENT PARTS

Part Number	Description	Product Type
KP4647-1	LED Light Module - ArcSpecs™	LED Light
KP4648-1	Inside Cover Lens - ArcSpecs™	
KP4649-1	Outside Cover Lens - ArcSpecs™	Cover Lenses
KP4705-1	Cover Lens for LED Light - ArcSpecs™	
KP4645-1	Cloth Balaclava Replacement - ArcSpecs™	Head Cover & Head Band
KP4646-1	Elastic Headband Replacement - ArcSpecs™	neau Cover a neau Ballu
KP4644-1	Plastic Face Guard Replacement - ArcSpecs™	Face Cuard & Coggle Frame
KP4652-1	Rubber Goggle Frame Replacement - ArcSpecs™	Face Guard & Goggle Frame

#### PRODUCT SPECIFICATIONS

Part #	Product Name	Variable Shade/ Control	Grind Mode	Sensitivity & Delay Control	Arc	TIG Amp	Viewing Area	Power Supply	Temperature Range	Warranty	Net Wt. oz (g)
K4643-1	ArcSpecs Auto- Darkening Goggles	5-13 / External Buttons	Yes; External Button	10 Sensitivity Settings and 0.1 - 1.0 Delay Range	Sensors 4	Rating > 2 Amps	7.29 Sq. in (47 Sq. cm)	CR2450 Replaceable Battery	Operating: -10°C - +55°C (14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	2 Years	11.8 Oz (335 g)

#### CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not varrant or assume any liability with respect to such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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