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 colorsaturation to create a clear, true color view of the base material, arc and puddle, while reducing eye strain.

**KEY FEATURES**

**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
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 OPTICAL CLARITY

Eliminating Distortion
Removing Blurriness
Uniform Shade
Consistent Angle Performance

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.

<table>
<thead>
<tr>
<th>Auto-Darkening Lens Size</th>
<th>8</th>
<th>7</th>
<th>6</th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
<th>0</th>
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</thead>
<tbody>
<tr>
<td>ArcSpecs</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>7.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Competitor 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.77</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Competitor 2</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td>3.55</td>
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</tr>
</tbody>
</table>
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

*Sold Separately, Part # KP4647-1

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EXEMPLARY LED LIGHT ATTACHMENT

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EXCELLENT VERSATILITY

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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

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PROFESSIONAL COMFORT & FIT

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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

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Replacing Parts

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Product Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP4647-1</td>
<td>LED Light Module - ArcSpecs™</td>
<td>LED Light</td>
</tr>
<tr>
<td>KP4648-1</td>
<td>Inside Cover Lens - ArcSpecs™</td>
<td>Cover Lenses</td>
</tr>
<tr>
<td>KP4649-1</td>
<td>Outside Cover Lens - ArcSpecs™</td>
<td></td>
</tr>
<tr>
<td>KP4705-1</td>
<td>Cover Lens for LED Light - ArcSpecs™</td>
<td></td>
</tr>
<tr>
<td>KP4645-1</td>
<td>Cloth Balaclava Replacement - ArcSpecs™</td>
<td>Head Cover &amp; Head Band</td>
</tr>
<tr>
<td>KP4646-1</td>
<td>Elastic Headband Replacement - ArcSpecs™</td>
<td></td>
</tr>
<tr>
<td>KP4644-1</td>
<td>Plastic Face Guard Replacement - ArcSpecs™</td>
<td></td>
</tr>
<tr>
<td>KP4652-1</td>
<td>Rubber Goggle Frame Replacement - ArcSpecs™</td>
<td></td>
</tr>
</tbody>
</table>

**PRODUCT SPECIFICATIONS**

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

**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 warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of 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.

Lincoln Electric is a responsive manufacturer, but the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

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