

# 2X4C<sup>®</sup> SERIES LENSES

WITH 4C<sup>®</sup> LENS TECHNOLOGY



**LINCOLN<sup>®</sup>**  
**ELECTRIC**



## The New Standard in 2" x 4.25" Lenses

### 4C<sup>®</sup> LENS TECHNOLOGY

- World renowned lens technology provides crystal clear view of the arc and puddle
- The exclusive liquid crystal lens broadens the color range & hues which can be seen in both light and dark states
  - Eliminates color saturation for a true color view
  - Reduces eye strain for all day comfort
  - Traditional 4C<sup>®</sup> blue/green lens color and new gold lens options available
- High quality and consistent performance which minimizes blurriness and distortion

### VERSATILITY

- Compatible with most pipeline and pancake style helmets
- Shade control for seamless process & amperage changes
- Sensitivity control for optimized performance based on application

### DURABILITY

- High temperature nylon lens housing to lens failures due to heat deformation
- 2 year warranty from date of purchase covering internal defects

# 4C<sup>®</sup> Lens Technology - The Modern SuperVisibility



## CLARITY

### Minimizes Distortion

*Why it's important* – distortion alters your view of the true shape of an object. i.e – weld puddle

### Minimizes Blurriness

*Why it's important* – blurriness lowers the definition of your vision and can falsely extend the edges of an object. i.e. – Arc length

## COLOR

### Broadens Viewable Color Range

*Why it's important* – decreases the blending (saturation) of natural colors for a clear view.

### Reduces Eye Strain

*Why it's important* – eye strain can cause physical discomfort and lower productivity.

## CARAT

### 2" Height x 4.25" Length

*Why it's important* – cartridge shape is compatible with most pipeline, pancake and construction helmets.

### Lightweight

*Why it's important* – maximizes comfort and reduces neck fatigue.

## CONSISTENCY

### Even Lens Shade

*Why it's important* – the shade of lower quality lenses may vary from the middle to the edge. This creates brightness variation which lowers the definition of your vision and can cause eye strain.

# 2x4C<sup>®</sup> Series - Passive Shade Lens

## PART NUMBERS

K Number	Description
KP5268-11	VIKING™ 2x4C <sup>®</sup> Series - Premium Glass Passive Welding Lens - Shade 9
KP5268-2	VIKING™ 2x4C <sup>®</sup> Series - Premium Glass Passive Welding Lens - Shade 10
KP5268-3	VIKING™ 2x4C <sup>®</sup> Series - Premium Glass Passive Welding Lens - Shade 11



## KEY FEATURES

- 4C™ LENS TECHNOLOGY** – Industrial material protects against UV radiation from the welding arc.
- ENHANCED CLARITY** – Broadened color range transmitted through the lens
- COMPATIBILITY** – Compatible with most pipeline and pancake style helmets that accept 2" x 4.25" cartridges
- REDUCED EYE STRAIN** – Better visibility allows for your eyes to do less work while welding



**PREMIUM PASSIVE SHADE 9**  
KP5268-1



**PREMIUM PASSIVE SHADE 10**  
KP5268-2



**PREMIUM PASSIVE SHADE 11**  
KP5268-3

# 2x4C<sup>®</sup> Series - Auto-Darkening Lenses

## PART NUMBERS

K Number	Description
KP3775-1	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens with Analog Controls - Variable Shades 8-13
KP3777-1	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens - Fixed Shade 9
KP3778-1	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens - Fixed Shade 10
KP3779-1	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens - Fixed Shade 11
KP5561-1	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens with Digital Controls - Variable Shades 5, 8-13
KP5561-2	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens with Digital Controls - Variable Shades 5, 8-13 - Gold Lens
KP3777-2	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens - Fixed Shade 9 - Gold Lens
KP3778-2	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens - Fixed Shade 10 - Gold Lens
KP3779-2	VIKING™ 2x4C <sup>®</sup> Series - Auto Darkening Lens - Fixed Shade 11 - Gold Lens



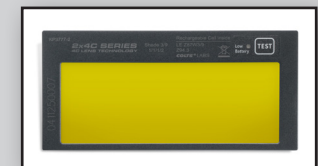
**Auto Darkening Lens with Digital Controls**  
KP5561-1 & KP5561-2



**Auto Darkening Lens with Analog Controls**  
KP3775-1



**Auto Darkening Lens Fixed Shade**  
KP3777-1, KP3778-1 & KP3779-1



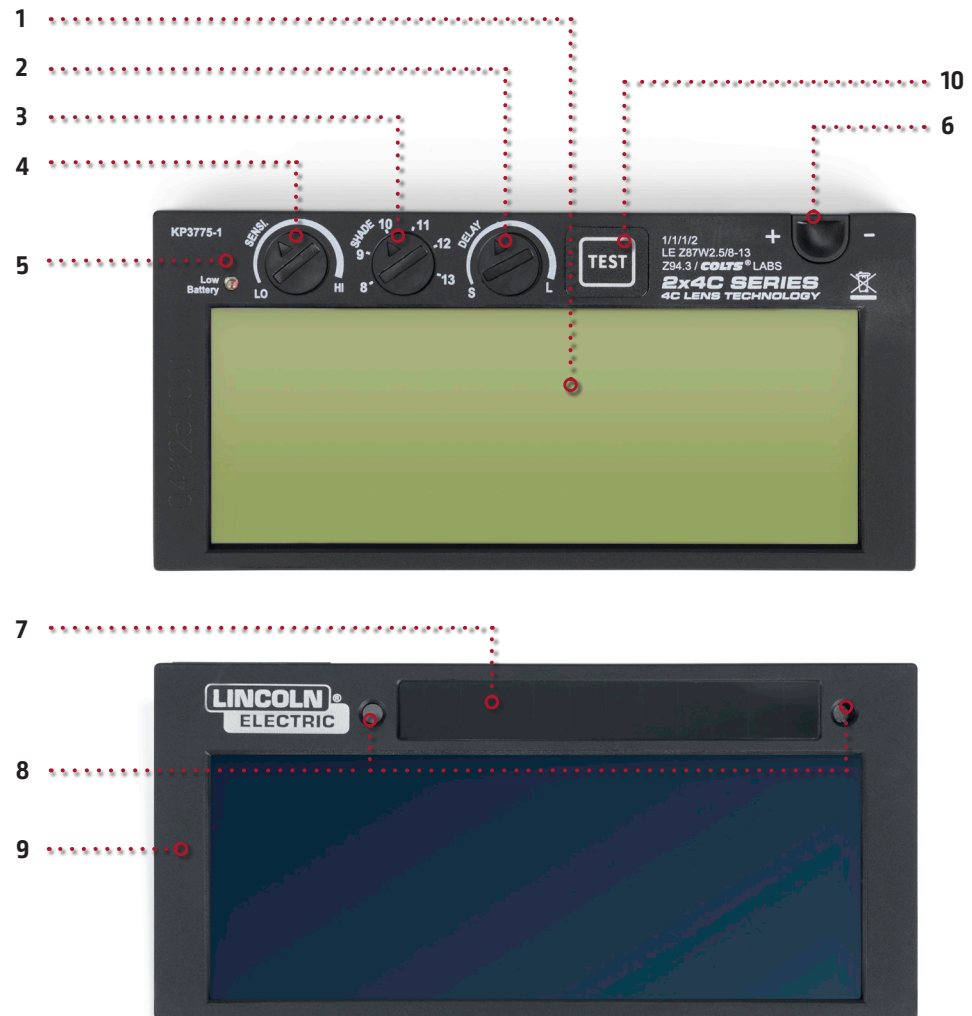
**Auto Darkening Lens Fixed Shade**  
KP3777-2, KP3778-2 & KP3779-2

# 2x4C<sup>®</sup> Series - Variable Shade Lens

## Now Featuring a 2.5 Light State

### KEY FEATURES

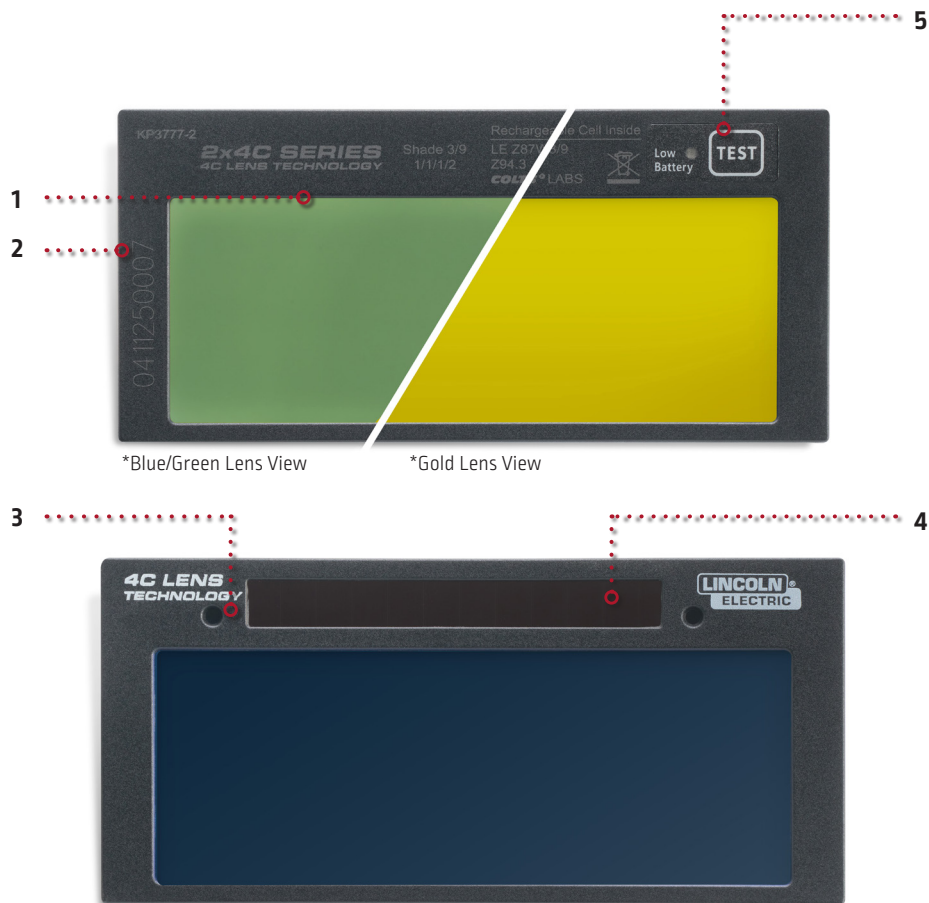
1. **4C<sup>®</sup> Lens Technology** eliminates imperfections and color saturation to create a clear view of the base material, arc & puddle while reducing eye strain
2. **Variable Shades 8-13** for seamless process and amperage changes
3. **Variable Sensitivity** for optimal lens performance based on application
4. **Delay Control** provides personalized switching performance
5. **Low Battery Indicator** for convenient battery life status
6. **Replaceable Batteries** can extend overall usage life of the lens cartridge
7. **Solar Rechargeable** utilizes light to lengthen battery life
8. **Two Arc Sensors** for consistent arc switching
9. **High Temperature Housing** to reduce lens failures due to heat exposure
10. **Test Button** lets you temporarily activate the lens without striking an arc.



Part Numbers:  
KP3775-1



# 2x4C<sup>®</sup> Series - Fixed Shade Lens



\*Blue/Green Lens View

\*Gold Lens View

Part Numbers:

KP3777-1

KP3778-1

KP3779-1

KP3777-2 (Gold)

KP3778-2 (Gold)

KP3779-2 (Gold)

## KEY FEATURES

1. **4C<sup>®</sup> Lens Technology** eliminates imperfections and color saturation to create a clear view of the base material, arc & puddle while reducing eye strain
2. **High Temperature Housing** to reduce lens failures due to heat exposure
3. **Two Arc Sensors** for consistent arc switching
4. **Solar Rechargeable** utilizes natural and generated light to provide self-sufficient power
5. **Test Button** lets you temporarily activate the lens without striking an arc.

Multiple Lens Shades available - Blue/Green & Gold - to fit uses preferred viewing preference

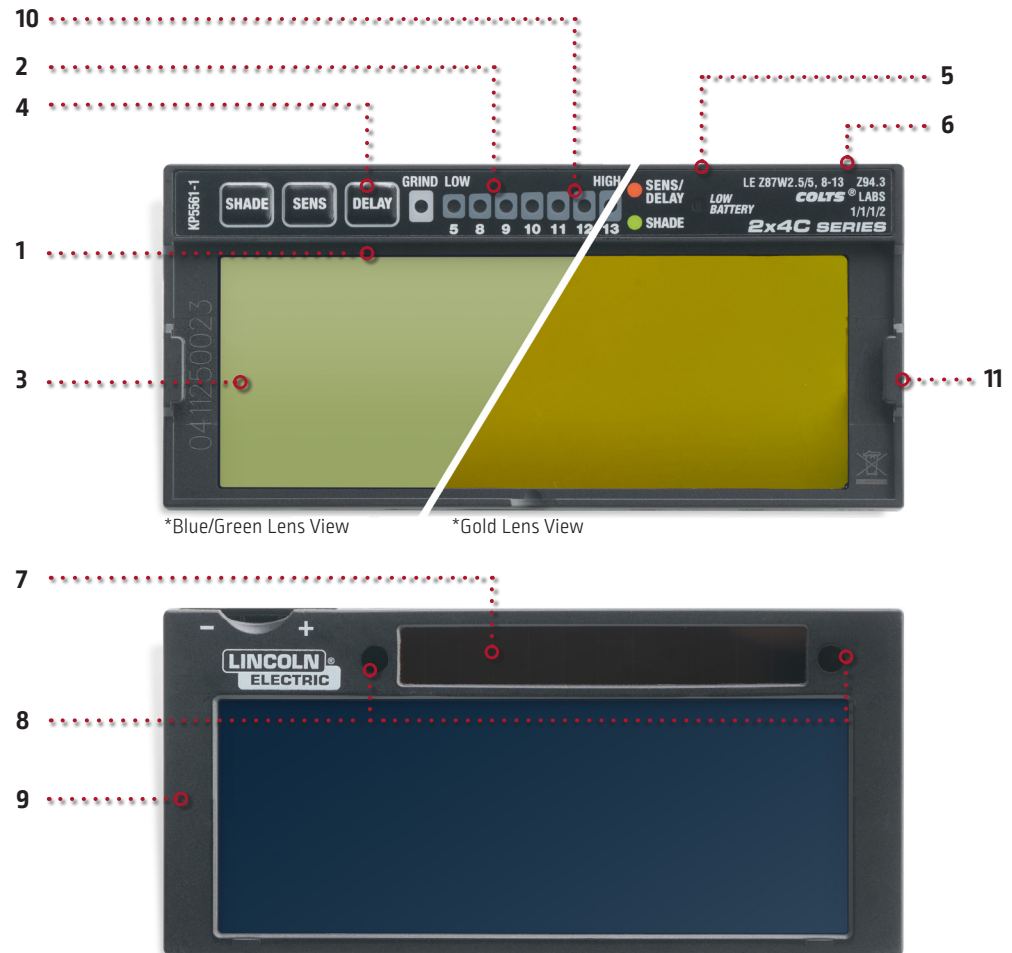


# 2x4C<sup>®</sup> Series - Variable Shade Lens w/ Digital Controls

## KEY FEATURES

- 4C<sup>®</sup> Lens Technology** eliminates imperfections and color saturation to create a clear view of the base material, arc & puddle while reducing eye strain.
  - 2.5 Light State on KP5561-1
- Variable Shades 5, 8-13** for seamless process and amperage changes and a cutting shade option.
- Variable Sensitivity** for optimal lens performance based on application
- Delay Control** provides personalized switching performance
- Low Battery Indicator** for convenient battery life status
- Replaceable Batteries** can extend overall usage life of the lens cartridge
- Solar Rechargeable** utilizes light to lengthen battery life
- Two Arc Sensors** for consistent arc switching
- High Temperature Housing** to reduce lens failures due to heat exposure
- Digital controls** for easy settings adjustment.
- Ability to clip** inside cover lens or magnifying lens directly to lens cartridge. Optional magnifying lens clips directly to lens cartridge for improved durability

Multiple Lens Shades available - Blue/Green & Gold - to fit uses preferred viewing preference



Part Numbers:  
KP5561-1  
KP5561-2 (Gold)



COMPATIBILITY CHART (BASED ON CARTRIDGE THICKNESS)

Manufacturer	MFG Part # / Name / Lens Box Size	2x4C® Variable Shade	2x4C® Fixed Shade
Fibre-Metal® Pipeliner by Honeywell®	280-110-W	Yes	Yes
Fibre-Metal Pipeliner by Honeywell	110PWE	Yes	Yes
Tigerhood® by Honeywell	906GY	No	Yes
Wendy's Pancakes	Flip Up Shield	No	Yes
	Mini Shield	No	Yes
	Z Model	Yes*	Yes
	Regular	No	Yes
	Chita	Yes*	Yes
	Auto	Yes	Yes
Sarge Pancake Hoods	Regular	No	No
	Special	Yes	Yes
Outlaw Leather	Tigerhood	No	Yes
	Sellstrom	No	Yes
	Pipeliner	Yes	Yes
Original Pancake	5/8" Box Size	Yes*	Yes
	1" Box Size	Yes	Yes
	Flip Up	No	Yes

\*Note – May not be compatible if used with cheater lens.

**Disclaimers**

- Our products, KP5561-1, KP5561-2, KP3775-1, KP3777-1, KP3777-2, KP3778-1, KP3778-2, KP3779-1, and KP3779-2, meet ANSI Z87.1 and CSA Z94.3 for auto-darkening lenses.
- This chart only outlines if our products physically fit in the referenced helmet shell models. We do not guarantee that these helmets meet ANSI Z87.1 or CSA Z94.3 for helmet shells.

PRODUCT SPECIFICATIONS

Description	Part #	Lens Technology	Lens Color	Optical Clarity	Inactive Shade	Active Shade	Power Supply	Sensitivity	Lens Switching Speed	Arc Sensors	TIG Amp Rating	Cartridge Size in (mm)	Viewing Area In (mm)
Analog Variable Shade	KP3775-1	4C® Lens Technology	Blue/Green	1/1/1/2	Shade 2.5	8 - 13	Battery w/ Solar Cell	Adjustable	1/25,000 sec	2	5 Amps	4.25 x 2.00 x 0.31 (108 x 55 x 8)	3.63 x 1.38 (92 x 35)
Fixed Shade 9	KP3777-1				Shade 3	9	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 55 x 5)	
Fixed Shade 10	KP3778-1				Shade 3	10	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 55 x 5)	
Fixed Shade 11	KP3779-1				Shade 3	11	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 55 x 5)	
Digital Variable Shade	KP5561-1				Shade 2.5	5, 8-13	Battery w/ Solar Cell	Adjustable				4.25 x 2.00 x 0.31 (108 x 55 x 8)	
Digital Variable Shade Gold	KP5561-2		Gold		Shade 3	5, 8-13	Battery w/ Solar Cell	Adjustable				4.25 x 2.00 x 0.31 (108 x 55 x 8)	
Fixed 9 Gold	KP3777-2				Shade 3	9	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 55 x 5)	
Fixed 10 Gold	KP3778-2				Shade 3	10	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 55 x 5)	
Fixed 11 Gold	KP3779-2				Shade 3	11	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 55 x 5)	

REPLACEMENT/ ACCESSORY PARTS

Description	Part #	QTY
CR1025 Replacement Batteries	KP4492-1	5
2x4 Cover Lens	KP5391-1	
Inside Cover Lens*	KP5709-1	
2x4C Magnifying Cheater Lenses - 1.00 MAG*	KP5615-100	1
2x4C Magnifying Cheater Lenses - 1.50 MAG*	KP5615-150	
2x4C Magnifying Cheater Lenses - 2.00 MAG*	KP5615-200	
2x4C Magnifying Cheater Lenses - 2.50 MAG*	KP5615-250	

Description	Part #	QTY
Magnifying Cheater Lenses - 1.00 MAGs	KP3046-100	1
Magnifying Cheater Lenses - 1.25 MAG	KP3046-125	
Magnifying Cheater Lenses - 1.50 MAG	KP3046-150	
Magnifying Cheater Lenses - 1.75 MAG	KP3046-175	
Magnifying Cheater Lenses - 2.00 MAG	KP3046-200	
Magnifying Cheater Lenses - 2.25 MAG	KP3046-225	
Magnifying Cheater Lenses - 2.50 MAG	KP3046-250	

\*Compatible only with Digital Variable Shade 2x4C ADFs



#### CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

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The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

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The Lincoln Electric Company  
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.

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