# 2X4C SERIES – AUTO DARKENING LENSES WITH 4C® LENS TECHNOLOGY





# The New Standard in 2" x 4.25" Lenses

### **4C 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
  - $-\ensuremath{\operatorname{\mathsf{Reduces}}}$  eye strain for all day comfort
- 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 ABS lens housing to lens failures due to heat deformation
- 2 year warranty from date of purchase covering internal defects



**Variable Shade 8 - 13** KP3775-1



Fixed Shade 9 KP3778-1



**Fixed Shade 10** KP3778-1



**Fixed Shade 11** KP3779-1

# 4C Lens Technology - The Modern SuperVisibility



# CLARITY

Minimizes DistortionWhy its important – distortion alters your view of the true shape of an object. i.e – weld puddle

### Minimizes Blurriness

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



**Broadens Viewable Color Range** Why its important – decreases the blending (saturation) of natural colors for a clear view.

### **Reduces Eye Strain**

Why its important – eye strain can cause physical discomfort and lower productivity.



2" Height x 4.25" Length

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

### Lightweight

Why its important – maximizes comfort and reduces neck fatigue.



### Even Lens Shade

*Why its 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 Series - Variable Shade Lens

### **KEY FEATURES**

- 4C 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





# **2x4C Series - Fixed Shade Lens**



### **KEY FEATURES**

- 4C 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. 0.20" Cartridge Thickness** allows compatibility with most helmet models and can be used with cheater lenses
- 4. Two Arc Sensors for consistent arc switching
- **5. Solar Rechargeable** utilizes natural and generated light to provide self sufficient power





#### 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 <sup>®</sup> by Honeywell	906GY	No	Yes
	Flip Up Shield	No	Yes
	Mini Shield	No	Yes
West date Demostration	Z Model	Yes*	Yes
Wendy's Pancakes	Regular	No	Yes
	Chita	Yes*	Yes
	Auto	Yes	Yes
Cargo Dangaka Haada	Regular	No	No
Sarge Pancake Hoods	Special	Yes	Yes
	Tigerhood	No	Yes
Outlaw Leather	Sellstrom	No	Yes
	Pipeliner	Yes	Yes
	5/8" Box Size	Yes*	Yes
Original Pancake	1" Box Size	Yes	Yes
	Flip Up	No	Yes

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

#### Disclaimers

- Our products, KP3775-1, KP3777-1, KP3778-1 and KP3779-1, 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	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)	Temperature Range	Warranty
Variable Shade	KP3775-1	4C <sup>®</sup> Lens Technology	1/1/1/2	Shade 3	Variable 8 - 13	Solar Cell w/ 2 CR 1025 Replaceable Batteries	Adjustable	1/10,000 sec.	2	> 5 Amps	4.25 x 2.00 x 0.32 (108 x 501 x 8)	3.63 x 1.38 (92 x 35)	Operating: -10°C - +55°C (14°F - 131°F)	2 Years
Fixed Shade 9	KP3777-1				Fixed 9	Solar Cell	Fixed				4.25 x 2.00 x 0.20 (108 x 501 x 5)		Storage: -20°C - +70°C [-4°F - 158°F]	
Fixed Shade 10	KP3778-1				Fixed 10									
Fixed Shade 11	KP3779-1				Fixed 11									

#### **REPLACEMENT PARTS**

Description	Part #	QTY
CR1025 Replacement Batteries	KP4492-1	5





#### CUSTOMER ASSISTANCE POLICY

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

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