

## HLC-IR Infrared Headlight Covers Black Out Visible Light for Military Humvees

Part #: HLC-IR



Aluminum head light covers holds 7-inch diameter infrared lens to black out visible light. The headlight filter cover blacks out visible light, enabling HMMWV (Hummer/HUMVEE) operators to move covertly at night with supporting night vision optics. These headlight covers encapsulate the headlight completely, containing visible light and emitting only infrared wave length light.

THIS PRODUCT IS FOR ONE HEADLIGHT COVER AND NOT A PAIR.

The aluminum housing is machined from aircraft grade aluminum in Fort Worth Texas. Material certifications available for Berry Amendment compliance. The housing has three slots that align with the existing mounting screws securing the headlight assembly. The housing also includes a retaining snap ring for the lens. An entire headlight cover assembly is not required if the lens is damaged, as damaged lenses can be changed easily in the field.

Installation and maintenance only require a few minutes.

The 7-inch diameter, 1/8 inch thick lens is composed of borofloat glass (tempered glass characteristics) with vacuum chamber applied coatings, producing 850 nm cutoff. The infrared lens hides visible light and emits infrared light. Our lens has a 90% transmission rate (spectral available upon request). In other words, 90% of the light produced by the headlights is projected past the lens. Alternative headlight covers made of polycarbonate/polymer blends only allow 20% transmission. Operators will see nearly 3 times farther with this headlight cover than polycarbonate blend covers. In addition, this lens is manufactured in the Dallas Fort Worth, not China.

A single 7 inch OD snap ring holds the polycarbonate protective lens, IR lens and 2 silicone gaskets in place. Any pair of pliers, snap ring pliers or military issue Leatherman knife sets can be used to release and replace the snap ring. The silicone gaskets are reusable and the lenses can be changed in the field in under 30 seconds in the event of

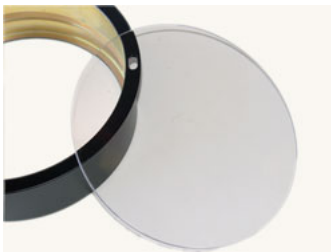
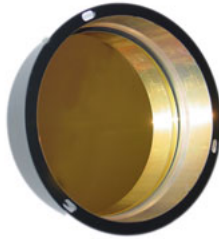
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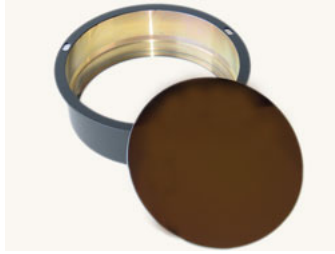
The headlight cover lens assembly includes 3 Chicago style machine screws which will engage and secure the two sets of threads within the headlight assembly. These screws replace the screws that come with the original HMMWV headlight assembly.

There is no temperature limit with this unit. While polycarbonate blends cannot withstand high wattage bulbs producing more than 200 degrees F, this unit can withstand temperatures beyond 500 degree F.

Powder coated black (tan or olive drab available on request).

All component manufacturing, finishing and assembly are done in Dallas Fort Worth, Texas, USA.





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