LED spotlight includes improved spot beam pattern

Larson Electronics' Lxlite.com has released a high grade LED spotlight designed for demanding applications which require a more precisely focused light beam. The LEDLB-21-3C-R 21 Watt LED Spotlight produces a 1,750 lumen light beam reaching over 500 feet in length with better beam control and less spread than normally found with LED spotlights. An advanced reflector design and high intensity Cree LEDs help this spotlight produce a tighter beam than typical LED spotlights, making this unit ideal for applications where long reach and intensity is preferred.

Producing 1,750 lumens while using only 21 watts and capable of operating on voltages ranging from 9 to 42VDC, the LEDLB-21-3C-R 21 watt LED spotlight provides better spotlight performance than standard spotlight designs. Although LED spotlights outperform halogen spotlights in terms of efficiency and light quality, they typically produce spotlight beams with greater spread and reduced intensity at the far limits of their range. This LED spotlight reduces this beam degradation through the use of an advanced optics and reflector design to produce a well focused light beam capable of reaching 600 feet in length, yet growing to only 45 feet wide at its upper reach limits. The well focused beam pattern and high intensity makes this unit ideal for professional services such as law enforcement, security, emergency responders, and the military where precise illumination and light control are often critical.

This stud mounted spotlight produces 1,750 lumens yet draws only 1.6 amps,

making it a highly efficient light source capable of being operated for extended periods without draining a vehicle's battery. The LED emitters in this spotlight contain Cree EZBright three watt LEDs, ensuring the highest LED power and quality while providing a 50,000 hour LED operational life that common incandescent and halogen spotlights cannot match. This high power LED spotlight is built for rugged operation as well with a weatherproof IP67 rated housing and an unbreakable polycarbonate lens for protection against the impacts often encountered when spotlights are mounted onto vehicles or ATVs.

The stainless steel U-bracket with single mounting stud allows operators to easily adjust the beams position and provides a simple yet rugged mounting option, while the internal LED drivers allow the light to be used with any voltage from 9 to 42 VDC. This mounting and power versatility makes these LED spotlights ideal for use with cars, trucks, boats, ATVs and heavy equipment which normally provides 12 or 24 volt electrical power. Small, efficient and powerful, the well focused beam, high durability, and reliable operation of this spotlight makes it ideal for applications where precise light control and dependability are a must.

"The LEDLB-21-3C-R LED light emitter offers IP67 rated construction designed to withstand tough environments making it suitable for marine, industrial and commercial applications ." said Rob Bresnahan with Larson Electronics' Magnalight.com. "This 21 watt compact light produces a very tight spot pattern and can run on any voltage from 9 to 32 volts."

Source URL (retrieved on *12/19/2013 - 1:28pm*):
http://www.ecnmag.com/product-releases/2012/09/led-spotlight-includes-improved-spot-beam-pattern