Press Release

WattWorks, Inc. Introduces the WattWorks LED Point Light for Automotive Glass Visual Inspection Applications

Columbus, Ohio May 15, 2012, -- WattWorks, Inc. announces the introduction of the first LED PointLight with brightness sufficient to replace conventional arc lamps currently used for Automotive glass inspection applications, The LED PointLight, designed and manufactured by WattWorks, uses the largest single-chip LED available along with a new proprietary light recycling technology.

The WattWorks LED PointLight uses the brightest single-chip LED available. In order to increase brightness while maintaining single-point-source image sharpness, the WattWorks LED PointLight also uses a proprietary spherical reflecting collar with an aperture positioned to be centered over the LED. Light at high angles is reflected within the recycling collar, and reflected again at the LED. The reflected light escapes from the aperture in the recycling collar and increases brightness into the angular distribution defined by the LED with recycling collar. The main benefit of the recycling collar is that the etendue of the LED is not increased so the image remains sharp, while the luminous flux is increased for a brighter image.

WattWorks LED PointLight Advantages over Arc Lamps

- Continuously variable intensity control
- Long life 60,000 hours with linear lumen depreciation (to 70%)
- No Ultraviolet or Infrared in radiated photons
- Instant power-on light, no warm up delay
- No re-strike delay
- Remote control on/off optional
- Saves Energy
- Reduces wasted heat

One of the plant engineers from a customer of WattWorks stated that “The folks here at the Bellefontaine plant seem to be very impressed on how well LED technology works for our application. In fact it is a win-win, in all aspects compared to the old generation of point lights. I want to say thanks again to you and all involved, for their diligent work in the development to final product.” George Anderson, CEO of WattWorks, Inc. added “The LED reflecting collar, when added to the 50 watt single chip high brightness LED, resulted in sufficient intensity for the application that we could not quite achieve with the LED alone. Together, the solution is superior in several ways to the arc lamps previously used for quality control inspections in the production line environment where clear images, no ultraviolet radiation, variable intensity and rapid on/off controls are important. The 60,000 hour rated life of the LED eliminates lamp replacement costs and downtime as well”

About WattWorks, Inc.

WattWorks, based in Columbus, Ohio, is an electrical engineering, product design and manufacturing company with expertise in energy efficiency applications, alternative energy projects and leading edge LED lighting technologies. WattWorks provides Utility scale solar power engineering services, building automation energy efficiency products and services, LED lighting products and prototyping and manufacturing services.

Contact Information
George Anderson
614-458-1162 x 13
pointlight@wattworks.com
www.wattworks.com


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