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To: "LMCCUTCH@ABM.com" <LMCCUTCH@abm.com>  
CC:

Subject: Sting Ray Lights, intial Findings.

Jim,

On June 21st, 2000 we began the installation of 400W SRL(StingRay Lighting) fixtures, replacing the 1000W existing fixtures. Our test grid includes a single bay here at Walton Hills Stamping Plant. In that bay we have 5 twin setups, meaning each setup includes two fixtures. When we completed the changeover to the SRL fixtures we noticed these differences.

-Many of the heavy shawdows we once had were gone. The lights seem to spread out the light very evenly throught the bay. That bay also has no noticable visual difference in the light level.

-The SRL dual reflectors really do their job as described. When we installed the first light (without any intial adjustment) we recorded over 200+ ft-candles, directly under the light. We were then able to have a single electrician adjust that light and spread it out over a much broader area, reducing the center illumination to about 150ft-candles, but increasing the light all around it. This is beneficial to us as a Stamping Plant, because we have many areas where we would prefer the light to be spread out or, in some cases, focused in a high intensity tight patern. This ability to adjust the light as needed would prove very useful in areas where there are 40 ft tall presses and a light loacted in between them. We can now focus that light inbetween the presses and not loose light on the top of a machine as we do now.

-The SRL fixtutes use a clear acrylic cover, compared to our current metal shade. The acrylic allows the light to illuminate the ceiling above. This makes the plant feel brighter as well as providing illumination above. This is a comment I heard from a few other people in our plant, who really liked the fact that our ceiling is now illuminated in that bay.

-The electricity savings to our plant is amazing. We have 400 twin fixtures in our high bay which equates to 800 single fixtures. We can reduce our wattage usage by 480,000watts (800 fixtures x 600watt reductuction per fixture).

Initially we are very impressed with the new lights we have. We are amazed that a light using 600 fewer watts can produce as much light as an 1000watt bulb. We are in the process of installing a test setup in our low-bay at Walton Hills and we expect the same results once again.

If you have any questions please feel free to contact me.

Ill talk to you soon.  
Dave

Regards,  
David Sulhan  
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