

Project Highlights

Original	LED
Offices	
<ul style="list-style-type: none"> 88 x 86w T8 87 x 59W T8 	175 x 18W
Warehouse	
<ul style="list-style-type: none"> 372 X 220w T8 100 x 59W T8 10 x 220W MH 8 x 400W MH 	80 x 88W 292 x 132W 22 x 100W 34 x 45W
Exterior	
<ul style="list-style-type: none"> 15 x 400W floods 15 x 400W wallpacks 15 x 90W soffit mount 	30 x 105W 15 x 15W

The Numbers

- Lighting kWh Reduction: 633,000 (72%)
- Light level improvement: 2.0 – 2.5 X
- First Year Savings: \$112,500
- Utility Incentive: \$39,900

Maintenance Supervisor Mark George spearheaded the project and commented:

“The initial discussions with the Tradeforce team focused on improving light levels in the truck yard and parking lots for safety reasons. When the potential for energy savings became obvious the entire plant was included in the audit.

Tradeforce presented their ideas for fixture options and completed lighting designs that were reviewed by our team. The outcome was better than expected and the feedback from everyone has been very positive. It’s been great to work with a company that delivers on everything it promised”

RedBird Strip Kit Components

Proudly Canadian and family-owned, Flanagan's is the largest independent foodservice distributor in the country. Founded in 1977 Flanagan's has grown to provide full service to more than 6,000 restaurants and foodservice operations across the province of Ontario.



The two key project objectives were to improve light levels in the shipping yards and save energy and maintenance costs on interior lighting. For the interior areas two design options were considered; one based on complete fixture replacements and one based on a unique “light bar” retrofit kit from RedBird LED of Atlanta Georgia. The modular design of the RedBird solution coupled with 150 lumens per watt efficacy enabled optimization of power consumption and illumination levels in the main warehouse and office areas. Wireless, programmable motion sensors were added to the high bay fixtures for additional energy savings.

In the main warehouse areas light levels increased from 7FC to 17FC and uniformity was significantly improved. When dimmed to 20% input power light levels matched the original 7FC delivered by the six lamp high bay T8 fixtures.

Corridors, loading docks and shops were reconfigured with new fixtures from US LED with similar results. US LED fixtures were also used for the exterior of the site, reducing energy consumption by 75% and improving both levels and uniformity.

CLOCKWISE FROM UPPER LEFT;

- 132W RedBird full output
- 45W US LED full output
- 132W RedBird dimmed to 20%
- 88W RedBird (two 44W modules)

