



energybank.

Case Study Collection



“THE LIGHTS LOOK AMAZING!”
Derek, Project Manager

energybank blew the competition away.

Consistent, even, non-glare lighting with the best coverage.

Exceeded foot-candle target, allowing us to reduce the number of fixtures needed.

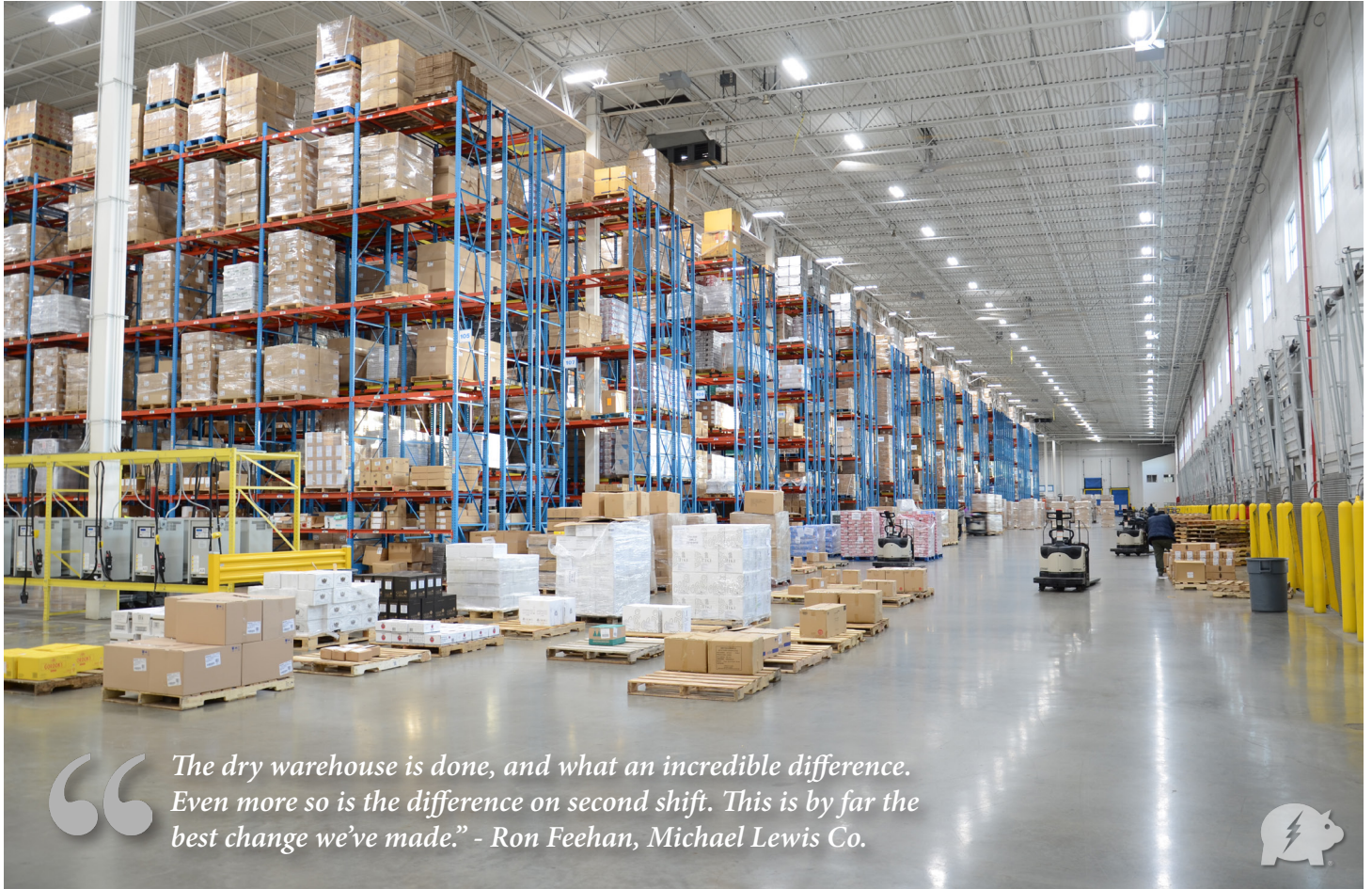
Easy and quick installation puts us 3 weeks ahead of schedule.”


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LED DONE RIGHT®
www.energybankinc.com

Projects demonstrating
LED Done Right®



\$97,595 annual energy savings
with LED Done Right®



“The dry warehouse is done, and what an incredible difference. Even more so is the difference on second shift. This is by far the best change we’ve made.” - Ron Feehan, Michael Lewis Co.



Project Data – TOTAL	Electric Energy Use	Electric Demand	Annual Cost of Electricity
Prior System	1,875,742 kWh	320.6 kW	\$153,811
energybank	685,553 kWh	117.2 kW	\$56,215

Additional lighting savings in maintenance and repair

TOTAL ENERGY REDUCTION: 1,190,190kWh

ANNUAL ENERGY REDUCTION: 63%

BASELOAD DEMAND REDUCTION: 203.4 KW

Michael Lewis Co. knows the importance of visibility for quality logistics.

The integration of OmegaLight® LED throughout the warehouse creates an evenly illuminated, well-lit environment that enhances visibility with superior quality light for accurate coordination and picking. model T® exterior LED provides greater illumination for enhanced safety in the truck parking lot. The high-output performance of LED Done Right® allows Michael Lewis to maximize facility operations while minimizing maintenance and operating costs for years to come.





**Basic
 Metals, Inc.**

210% More Light



210% More Light + 19% energy reduction. 100,000 hour life.

The upgrade to OA218 LED in the warehouse has succeeded in creating a fresh, bright, evenly lit space for enhanced safety, visibility, and accuracy. With 100,000 hours of life, maintenance costs are greatly reduced.

The wirelessly programmable sensors in every fixture drive energy costs down, too. When no activity occurs the fixtures go down to a low, safe level of light.

The before picture (at left) shows the poor color rendering and dark shadows created by the existing, dim 6-lamp T8 fixtures. The after picture (at right) showcases the dramatic improvement with the OmegaLight OA218 LED. Everything is clearly visible and colors are true to life.

More information on back of page

Basic Metals	Project Data	Type	Qty	Energy per unit	Total energy
Germantown, WI	Prior System	T8 6-lamp	196	221W	43,316W
	energybank	OA218	196	180W	35,280W

TOTAL ENERGY REDUCTION 8,036W
ANNUAL ENERGY REDUCTION 19%



Improved operations

The upgrade to the OmegaLight OA218 LED made a marked difference in visibility in the operations occurring throughout the facility. Personnel can now clearly see machine controls, labels, colors and everything else associated with production.

Forklift drivers and others can easily and quickly see inventory labels and safely move throughout the warehouse.

All of this contributes to fewer errors, increased productivity and enhanced safety.

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Project Data	Type	Qty	Energy per unit	Total energy	Type	Qty	Energy per unit	Total energy
Prior System	1000W HPS	10	1100W	11,000W	1000W HID	70	1079W	75,530W
energybank	model T® 300	10	300W	3,000W	model T® 600	35	600W	21,000W

TOTAL ENERGY REDUCTION 62,530W
ENERGY REDUCTION 72%
DEMAND REDUCTION 62.5 kW

Fields Auto Group knows that superior auto merchandising closes deals.

It's only natural that Fields Auto Group chose an award-winning LED Done Right® lighting upgrade to provide superior quality light for heightened attention throughout their exterior showroom. The integration of model T® LED created an evenly illuminated, well-lit environment that enhances visibility of their valuable merchandise without light trespass to deliver the best quality experience to their customers and their neighbors.

The high-output performance of model T® allows Fields Auto to maximize facility operations while minimizing maintenance and operating costs for years to come with a 72% reduction in energy.

Efficient. Sustainable. Good Business.

That's LED Done Right®.

Energy savings from this project have a positive impact on Greenhouse Gas emissions. A reduction of **289,995 kWh** is the equivalent of:



Eliminating the greenhouse gas emissions from **46 passenger vehicles** driven for one year



Eliminating the CO₂ emissions from the energy use of **23 homes** for one year



The carbon sequestered by **254 acres** of US Forest in one year



energybank. Case Study

interior
LightSource® | ThinLine® | CK Kit



LED Done Right®

ABC Supply
Milwaukee, WI



project data

	location	type	qty	energy per unit	total energy	
existing	showroom	T8	28	148W	4,144W	= 22,967W
	offices	T8	57	148W	8,436W	
	warehouse	T8	47	221W	10,387W	
upgrade	showroom	8CK	28	50W	1,400W	= 8,390W
	offices	ThinLine	20	150W	3,000W	
			21	100W	2,100W	
	warehouse	LS	3	60W	180W	

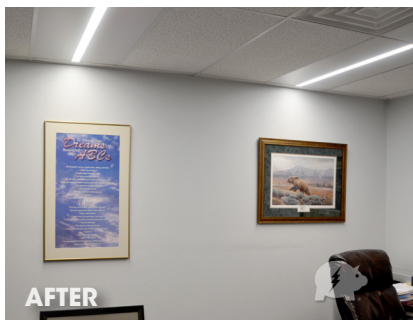
TOTAL ENERGY REDUCTION 14,577 watts

63% energy reduction

SHOWROOM



OFFICE



WAREHOUSE



Smart operations. Visual acuity and comfort were greatly enhanced throughout this facility by upgrading to energy efficient energybank LED. The consistent, even quality of the high-performance, glare-free LED light is an improvement in appearance, safety and performance with significant energy and maintenance savings over the next 100,000 hours of operation. **That's LED Done Right.**



energybank. Interior - Industrial

Case Study

Universal Handling Equipment - Ossowo, MI



ΩmegaLight®



**UNIVERSAL
HANDLING EQUIPMENT**

67% energy reduction
21.96 kW demand reduction
199% foot-candle increase



Post-project foot-candles



Pre-project foot-candles

Universal Handling Equipment upgraded their lighting system to high-performance, energy-efficient, award-winning OmegaLight® LED from energybank. The company significantly improved operations with a 199% increase in light levels combined with a 67% decrease in energy consumption. Efficient. Sustainable. Good business. That's LED Done Right®.

Project Data	Type	Qty	Energy per Unit	Total Energy	Electric Demand
prior system	400W MH	72	455W	32,760W	32.76 kW
energybank	Omega 215	72	150W	10,800W	10.80 kW

TOTAL ENERGY REDUCTION: 21,960W
ANNUAL ENERGY REDUCTION: 67%
ANNUAL KW DEMAND REDUCTION: 21.96 kW

**Additional savings in lighting maintenance and repair*

Energy savings from this project have a positive impact on Greenhouse Gas emissions. A reduction of **51,386 kWh** (21.96 kW at 2340 hours) is the equivalent of:



Eliminating the greenhouse gas emissions from **9 passenger vehicles** driven for one year



Eliminating the CO₂ emissions from the energy use of **4.5 homes** in one year



The carbon sequestered by **49.5 acres** of US Forest in one year



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Rose Equipment
Lincoln, NE



project data

	type	qty	energy per unit	total energy
existing	400W HID	30	460W	13,800W
upgrade	LS18LED	30	150W	4,500W

Total Energy Reduction 9,300 watts

67% energy reduction

BEFORE 7 FC



AFTER 40 FC



It's nice that we don't have to wait for our eyes to adjust when going outside. - Rose Equipment

Smart operations.

Rose Equipment achieved a **67% reduction in energy** and improved lighting **from 7 footcandles to 40 footcandles** when they upgraded existing HID fixtures to energybank energy efficient LightSource® LED.

The consistent, even quality of the glare-free white light has dramatically improved the appearance of the space as demonstrated in the photos above. The LightSource LS18 delivers better quality light for improved visual acuity. The result is a huge improvement in appearance, safety and performance with significant energy and maintenance savings over 100,000 hours.

That's LED Done Right.



energybank. Case Study | interior LightSource®

LED Done Right®



W&A Distribution Services
Fort Atkinson, WI



project data	type	qty	energy per unit	total energy
existing	T8 6-lamp	168	221W	37,128W
upgrade	LS12T	168	120W	20,160W

Total Energy Reduction: 16,968 watts
46% energy reduction



45% Increase in Foot-Candles



Smart operations.

LED Done Right helps end-users to maximize facility operations while minimizing operating costs.

By upgrading existing T8 fluorescent fixtures to energy efficient energybank LED LightSource®, this distribution center increased Foot-Candles by 45% while reducing annual kWh consumption by 46%. The facility manager greatly appreciates that the upgrade to maintenance-free LED has significantly decreased the amount of time required for maintaining fluorescent lamps and ballasts.

LightSource delivers consistent, even quality, glare-free white light for improved visual acuity. The result is an improvement in appearance, safety and performance with significant energy and maintenance savings over 100,000 hours.

That's LED Done Right®



energybank. Case Study | interior LightSource®

LED Done Right®



B&K Powder Coating
Milwaukee, WI



project data

	type	qty	energy per unit	total energy	
existing	400W HID	17	460W	7,820W	10,030W
existing	T8	10	221W	2,210W	
upgrade	LS12T	20	120W	2,400W	2,400W

Total Energy Reduction: 7,630 watts

76% energy reduction

BEFORE 8 FC



AFTER 30 FC



Smart operations.

LED Done Right helps end-users to maximize performance and safety while minimizing operating costs.

Footcandles were more than tripled throughout this facility by upgrading existing HID and T8 fixtures to energy efficient energybank LED LightSource® while reducing the total number of fixtures from 27 to 20.

The consistent, even quality of the glare-free white light has dramatically improved the appearance of the space as demonstrated in the photos. High-performance LightSource delivers superior quality light for improved visual acuity. The result is an improvement in appearance, safety and performance with significant energy and maintenance savings over the next 100,000 hours of operation.

That's LED Done Right.



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LED Done Right®



Waste Management
Marquette, MI



project data

	type	qty	energy per unit	total energy
existing	450W HID	30	517W	15,510W
upgrade	LS16T LED	30	150W	4,500W

Total Energy Reduction 11,010 watts

ANNUAL ELECTRIC COST REDUCTION \$6,085

71% energy reduction

BEFORE footcandle avg. 11



AFTER footcandle avg. 30



Smart operations.

LED Done Right helps end-users maximize performance and safety while minimizing operating costs.

Visual acuity and comfort were greatly enhanced throughout this facility by upgrading existing HID fixtures to energy efficient energybank LightSource® LED. High-performance LightSource LED fixtures deliver superior quality light for improved color rendering. Notice how the yellows and greens throughout the facility pop in the new light.

The consistent, even quality of the glare-free white light has dramatically improved the work environment as demonstrated in the photos. The result is an improvement in appearance, safety and performance with significant energy and maintenance savings over the next 100,000 hours of operation.

That's LED Done Right.



energybank. Case Study

interior
ΩmegaLight®



LED Done Right®

Basic Metals
Germantown, WI



project data

	type	qty	energy per unit	total energy
existing	T8 6-lamp	196	221W	43,316W
upgrade	OA218	196	180W	35,280W

Total Energy Reduction 8,036 watts

19% energy reduction

BEFORE 14 FC



AFTER 40 FC



210% More Light + 19% energy reduction. 100,000 hour life.

The upgrade to OA218 LED in the warehouse has succeeded in creating a fresh, bright, evenly lit space for enhanced safety, visibility, and accuracy. With 100,000 hours of life, maintenance costs are greatly reduced.

The wirelessly programmable sensors in every fixture drive energy costs down, too. When no activity occurs the fixtures go down to a low, safe level of light.

The before picture (*at left*) shows the poor color rendering and dark shadows created by the existing, dim 6-lamp T8 fixtures. The after picture (*at right*) showcases the dramatic improvement with the OmegaLight OA218 LED. Everything is clearly visible and colors are true to life.

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LED Done Right®



Connection Church
Canton, MI



project data	type	energy per unit
existing	HID 400W	460W
upgrade	LS12LED	100W



Enhanced Aesthetics.

The goal in undertaking this auditorium project was to enhance overall aesthetics for an improved attendee experience by increasing footcandles, providing uniformity and eliminating shadowing.

The before picture (*at left*) draws attention to the bright hot spots and dark shadows created by the existing 400W HID fixtures. The after picture (*at right*) showcases the beautiful results of LightSource LS12 LED (100W). Lighting layout designed by Citra Lighting.

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OmegaLight®



LED Done Right®

Russ Darrow West Bend Chrysler
West Bend, WI



project data

	type	qty	energy per unit	total energy
existing	T12 1x8-2 H0	46	173W	7,958W
upgrade	Omega	40	120W	4,800W

40% Total Energy Reduction: 3,158 watts

Annual Energy Reduction:

7,106 kWh

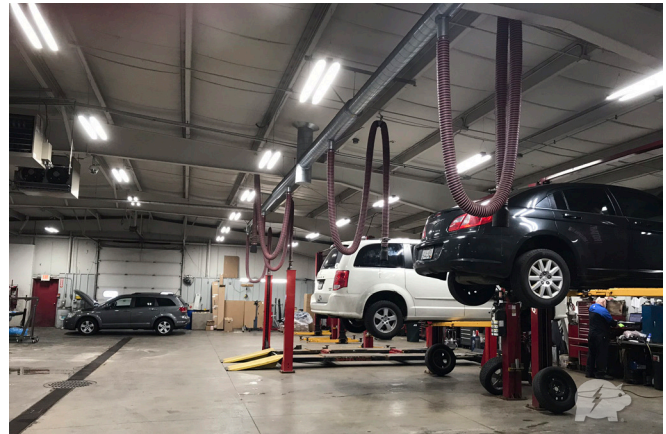
3.158 kW

Annual Electric Cost Savings: \$1,389

BEFORE: 45 - 60 FC



AFTER: 100 - 125 FC



40% energy reduction. Improved Light.

The upgrade to OmegaLight LED in the service department has succeeded in creating a fresh, bright, evenly lit space for enhanced safety, visibility, productivity and accuracy. We worked with the onsite team to relocate fixtures to improve lighting in specific work areas.

The result is a vastly improved environment where supplemental lights are no longer needed to see under the hood or into the wheel wells, coupled with a 40% energy reduction and related electric cost savings. With 100,000 hours of life, maintenance costs are greatly reduced.

The before and after images above showcase the dramatic improvement with the OmegaLight LED. Everything is clearly visible and colors are true to life.

That's LED Done Right®



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interior
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LED Done Right®

Zalk Josephs
Stoughton, WI



project data

	type	qty	energy per unit	total energy
existing	1000W HID	96	1090W	104,640W
existing	400W HID	23	460W	10,580W
upgrade	Omega	119	180W	21,420W

81% Total Energy Reduction: 93,800 watts

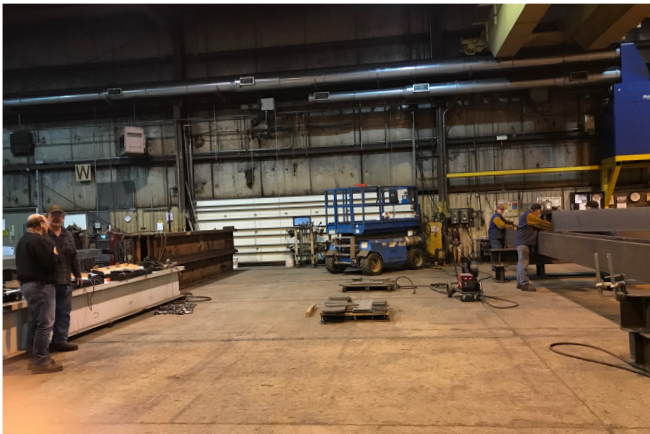
Annual Energy Reduction:

442,702 kWh

93.7 kW

Annual Electric Cost Savings: \$57,108

BEFORE



AFTER



81% energy reduction. Improved Light.

The upgrade to OmegaLight LED in this fabrication facility has succeeded in creating a fresh, bright, evenly lit space for enhanced safety, visibility, and accuracy. With 100,000 hours of life, maintenance costs are greatly reduced.

The result is a vastly improved production environment coupled with an 81% energy reduction and significant electric cost savings.

The before and after images above showcase the dramatic improvement with the OmegaLight LED. Everything is clearly visible and colors are true to life.

That's LED Done Right®



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LED Done Right®



High Point Recreational Center
Romeoville, IL

project data

	type	qty	energy per unit	total energy
existing	400W HID	20	460W	9,200W
upgrade	LS18LED	12	150W	1,800W

Total Energy Reduction 7,400 watts

80% energy reduction



20 metal halide fixtures (460W each), replaced with 12 LightSource LS18 LED fixtures (150W each)

Game on!

The look and feel of the High Point Recreational Center court was completely transformed when the existing metal halide fixtures were upgraded to high-performance energybank LightSource® LS18 LED fixtures.

Whereas the 20 metal halide fixtures were consuming 460 watts each, the new energybank LightSource LS18 LED consume only 150 watts each for an 80% energy reduction and a dramatic improvement in light quality.

The consistent, even quality of the energybank LightSource LED white light packaged in a sleek and modern form factor has completely renovated the court space, improving the appearance and the recreation environment. And the fixtures are essentially maintenance-free over 100,000 hours of operation.

That's LED Done Right.



energybank. Case Study | interior LightSource®

LED Done Right®



Bruce Normile Juvenile Ctr Gym
Kirksville, MO



project data

	type	qty	energy per unit	total energy
existing	400W HID	12	460W	5,520W
upgrade	LS18LED	12	150W	1,800W

Total Energy Reduction 3,720 watts
67% energy reduction

Installation in progress



BEFORE



AFTER



We have completed our new gymnasium lights installation. We are very pleased and have had lots of compliments on the brightness and color of the LED lights. - Maintenance Dept.

Game on!

The Bruce Normile Juvenile Justice Center achieved a **67% reduction in energy** in the gymnasium by upgrading existing HID fixtures to energybank LightSource® LS18 LED.

The consistent, even quality of the glare-free white light has dramatically improved the appearance of the gymnasium as demonstrated in the photos above. The LS18 delivers a better quality light for activities in the facility. The result is a huge improvement in both appearance, safety and performance with significant energy and maintenance savings over 100,000 hours.

That's LED Done Right.



energybank. Case Study

interior
ΩmegaLight®



LED Done Right®

Howard Mullett Ice Center
Hartland, WI



project data

	type	qty	energy per unit	total energy
existing	T5 6-lamp	66	324W	21,384W
upgrade	Omega	66	180W	11,880W

44% Total Energy Reduction: 9,502 watts

Annual Energy Reduction:
41,628 kWh
9.5 kW

Annual Electric Cost Savings: \$5,744



**44% energy reduction.
Improved Light + Sustainability.**

The upgrade to OmegaLight LED in this ice rink facility has succeeded in creating a fresh, bright, glare-free, evenly lit space for enhanced visibility and athlete safety.

With OmegaLight LED, the ice rink is evenly illuminated and colors are true to life with zero maintenance over the next 100,000 hours of operation + substantial operating cost savings of 44%.

That's LED Done Right®



Case Study

energybank. Auto Restoration Shop



OmegaLight® Linear 2.0

Classic Auto Restoration & Service - Manitowoc, WI

77% energy reduction



“What an awesome difference!” - Kevin Miller

Project Data	Type	Qty	Energy per Unit	Total Energy	Electric Demand
Prior System	400W MH	9	455W	4,095W	4.09kW
energybank	Omega 2.0	9	105W	945W	0.9kW

TOTAL ENERGY REDUCTION: 3.150W
ANNUAL ENERGY REDUCTION: 77%
ANNUAL KW DEMAND REDUCTION: 3.19kW

Additional savings in lighting maintenance and repair

Energy savings from this project have a positive impact on Greenhouse Gas emissions. A reduction of **3,840 kWh** is the equivalent of:

- Eliminating the greenhouse gas emissions from **7,004 miles** driven by an average passenger vehicle
- Eliminating the CO₂ emissions from **322 gallons of gasoline** consumed
- The carbon sequestered by **3.4 acres** of US Forest in one year

Night and Day Difference

The OmegaLight Linear 2.0 LED delivers superior quality light while significantly reducing energy consumption. Classic Auto Restoration achieved a 77% annual reduction in energy demand while significantly increasing the amount of quality light in their space for enhanced visibility.

Efficient. Sustainable. Good business. That's LED Done Right®.





Increased from average 15 to 125 Foot-Candles (FC)



International Autos Group knows that quality service matters.

It's only natural that International Autos Group - Toyota chose an LED Done Right® lighting upgrade to provide superior quality light for heightened attention to detail throughout their service department. The integration of Linear and I-Frame LED created an evenly illuminated, well-lit environment to enhance overall performance and safety to deliver the best quality service to their customers.

In addition to cleaning up mis-matched lighting and achieving increased quality light levels of 72 foot-candles under the hood (thanks to superior optics and advanced thermal management), the high-output performance of LED Done Right allows International Autos Group to maximize facility operations while minimizing maintenance and operating costs for years to come.

Project Data	Avg. FC
Prior System	15
energybank	125





energybank. Case Study | interior CK Kit

LED Done Right®



International Autos Group
Milwaukee, WI



project data

	type	energy per system
existing	T12	1,211W
upgrade	8CK50 LED	350W

Total Energy Reduction 861 watts
71% energy reduction

BEFORE T12



AFTER LED CK Kit 50W



Better visibility + 71% energy reduction.

The upgrade to CK LED in this tool room has succeeded in creating a fresh, bright, evenly lit space for enhanced safety, visibility, and accuracy.

The before picture (*at left*) draws attention to the poor color rendering and dark shadows created by the existing dim T12 fixtures. The after picture (*at right*) showcases the beautiful results of LightSource CK LED. The tools are clearly visible and the various colors are true to life.

That's LED Done Right®



Valders High School

34% Energy Reduction



The objective of Valders High School was to improve light levels and eliminate maintenance.

The Valders High School facility manager implemented a successful lighting upgrade of the emergency lighting in the school’s main gymnasium that **improved light levels** with a **34% energy reduction**. The facility manager selected reliable, **100,000-hour maintenance-free** LED conversion kits to upgrade the existing strip light fixtures. The resulting cosmetic upgrade is a welcome improvement.

The image above shows just the LED emergency lights illuminated.

That’s LED Done Right®



Valders High School
Valders, WI
Gym - emergency lights

Project Data	Type	Qty	Energy per unit	Total energy
Prior System	emergency 1x8x4 strip	22	151W	3,322W
energybank	CK LED	22	100W	2,200W

TOTAL ENERGY REDUCTION 1,122W
ANNUAL ENERGY REDUCTION 34%



energybank. Case Study

interior
ThinLine®



LED Done Right®

Sunshine Food Mart
Elmwood, IL

project data

	type	qty	energy per unit	total energy
existing	T12 4-lamp 2x4 troffer	23	162W	3,726W
upgrade	ThinLine LED	23	30W	690W

Total Energy Reduction 3,036 watts
81% energy reduction

BEFORE T12 4-lamp troffer - 148W



AFTER ThinLine LED 30W



The look and feel of the Sunshine Food Mart was completely transformed when the existing 4-lamp T12 2x4 troffers were upgraded to energybank high-performance LED ThinLine®.

Whereas the 4-lamp T12 fixtures were consuming 162 watts each, the new energybank ThinLine fixtures consume only 30 watts each for an 81% energy reduction and a dramatic improvement in light quality and color accuracy for enhanced merchandising.

The consistent, even quality of the ThinLine LED white light packaged in a sleek and modern form factor has completely renovated the food mart space, improving the appearance and the retail environment. And the fixtures are essentially maintenance-free over 100,000 hours of operation.

That's LED Done Right.



energybank. Case Study

interior
ThinLine®



LED Done Right®

Bonde's Quik Mart
Cleveland, WI



project data

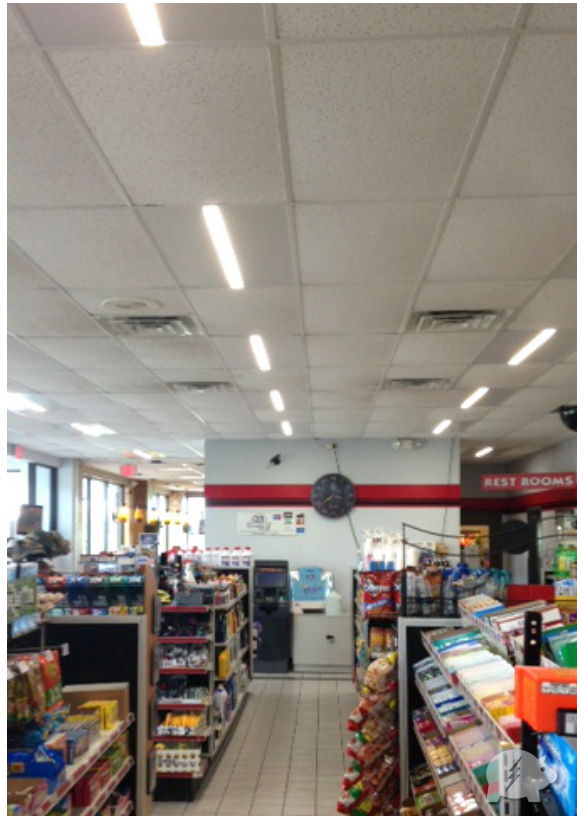
	type	qty	energy per unit	total energy
existing	T8 3-lamp 2x4 troffer	59	96W	5,664W
upgrade	ThinLine LED	43	30W	1,290W
upgrade	ThinLine LED	16	45W	720W

Total Energy Reduction 3,654 watts

65% energy reduction

BEFORE T8 3-lamp troffer - 96W

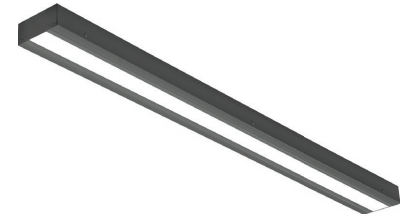
AFTER ThinLine LED 30W



The look and feel of **Bonde's Quik Mart** was completely transformed when the existing 3-lamp T8 2x4 troffers were upgraded to energybank high-performance LED ThinLine®.

The new energybank ThinLine fixtures delivered a 65% energy reduction and a dramatic improvement in light quality and color accuracy for enhanced merchandising.

The consistent, even quality of the ThinLine LED white light packaged in a sleek and modern form factor has completely renovated the food mart space, improving the appearance and the retail environment. And the fixtures are essentially maintenance-free over 100,000 hours of operation. That's LED Done Right.



60% Energy Reduction

Valders High School



The objective of Valders High School was to increase light levels, reduce energy related expenses and improve the overall appearance of the Music Room.

The Valders High School facility manager implemented a successful lighting upgrade in the school’s Music Room that **improved light levels** with a **60% energy reduction** combined with more than **100,000-hour maintenance-free** life. The crisp white color and even light distribution of the new Task LED fixtures greatly enhanced the aesthetics of the overall space.

That’s LED Done Right®



Valders High School

Valders, WI

Music Room

Project Data	Type	Qty	Energy per unit	Total energy
Prior System	4-lamp T8	15	151W	2,265W
energybank	Task LED	15	60W	900W

TOTAL ENERGY REDUCTION 1,365W
ANNUAL ENERGY REDUCTION 60%



Valders High School

58% Energy Reduction



The objective of Valders High School was to increase light levels, eliminate maintenance and reduce energy related expenses.

The Valders High School facility manager implemented a successful lighting upgrade in one of the school's gymnasiums that **increased light levels by 33%** with a **58% energy reduction**. Perhaps what the facility manager is most satisfied with is that this difficult to access area is now maintenance-free for at least the next 30 years.

That's LED Done Right®

Valders High School

Valders, WI

Gym - High Bay

Project Data	Type	Qty	Energy per unit	Total energy
Prior System	6-lamp T8	20	224W	4,480W
energybank	M3	20	95W	1,900W

TOTAL ENERGY REDUCTION 2,580W
ANNUAL ENERGY REDUCTION 58%





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Milwaukee Forge
Milwaukee, WI



project data	ANNUAL ENERGY USAGE	
	existing	649,166 kWh
upgrade	189,396 kWh	

TOTAL ENERGY REDUCTION 459,770 kWh

71% energy reduction



BEFORE



AFTER

Milwaukee Forge achieved a **71% reduction in energy** throughout their facility by upgrading existing HID, T-12 and T-8 fixtures to energybank LightSource® LED.

The consistent, even quality of the glare-free white light has dramatically improved the appearance of the facility as demonstrated in the Die Shop photos above. LightSource illuminates the entire zonal cavity for enhanced visibility, productivity and safety. The result is a huge improvement with significant energy and maintenance savings over 100,000 hours.

That's LED Done Right.



Case Study

energybank. Interior - Industrial

Steelastic - Cuyahoga Falls, OH



M4



61% energy reduction
\$16,822 electrical cost savings



BEFORE 20 foot-candles



AFTER 48 foot-candles



Foot-Candles Doubled

By upgrading existing lighting to high-performance, energy-efficient M4 LED high-bay, Steelastic has increased both the quantity and quality of lighting within their facility. This lighting upgrade achieved a doubling of foot-candles with 61% less energy consumption. In addition to improved operations, the energy reduction equates to an annual electrical cost savings of \$16,822.

That's LED Done Right®.

Project Data	Type	Qty	Energy per Unit	Total Energy
Prior System	T5 6-lamp	211	354W	74,694W
energybank	M4 LED	161	180W	28,980W

TOTAL ENERGY REDUCTION: 45,714 watts
ANNUAL ENERGY REDUCTION: 61%

Additional lighting savings in maintenance and repair



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LED Done Right®



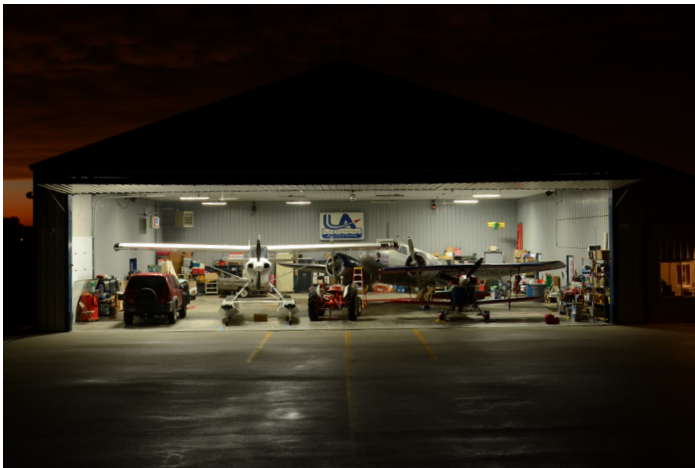
Lakeshore Aviation
Manitowoc, WI



project data

	type	qty	energy per unit	total energy
existing	T8 6-lamp	12	221W	2,652W
upgrade	LS18LED	12	150W	1,800W

**Total Energy Reduction 852 watts
32% energy reduction**



BEFORE T8 6-lamp



AFTER LS18 LED

Better visibility + 68% energy reduction.

The upgrade to LS18 LED in the hangar has succeeded in creating a fresh, bright, evenly lit space for enhanced safety, visibility, and accuracy.

The before picture (*at left*) draws attention to the poor color rendering and dark shadows created by the existing, dim 6-lamp T8 fixtures. The after picture (*at right*) showcases the dramatic improvement with the LightSource LS18 LED. Everything is clearly visible and colors are true to life.

That's LED Done Right.



Custom-branded model T®



Custom Branding; 49% energy reduction



Project Data	Type	Qty	Energy per Unit	Total Energy	Electric Demand
Prior System	250W MH	14	293W	4,102W	4.1kW
energybank	MMT300	7	300W	2,100W	2.1kW

TOTAL ENERGY REDUCTION: 2,002W
ANNUAL ENERGY REDUCTION: 49%
ANNUAL KW DEMAND REDUCTION: 2kW

**Additional savings in lighting maintenance and repair*

Brand Recognition

Vandervest Harley Davidson understands the value of brand recognition. Available exclusively on award-winning model T® LED, Vandervest extended their brand across the new fixtures while reducing annual energy consumption by 49%.

Efficient. Sustainable. Good Business. That's LED Done Right®.

Energy savings from this project have a positive impact on Greenhouse Gas emissions. A reduction of **8,904 kWh** is the equivalent of:

- Eliminating the greenhouse gas emissions from **16,241 miles** driven by an average passenger vehicle
- Eliminating the CO₂ emissions from **746 gallons of gasoline** consumed
- The carbon sequestered by **7.8 acres** of US Forest in one year



energybank. Case Study

OmegaLight® interior model T® exterior



LED Done Right®

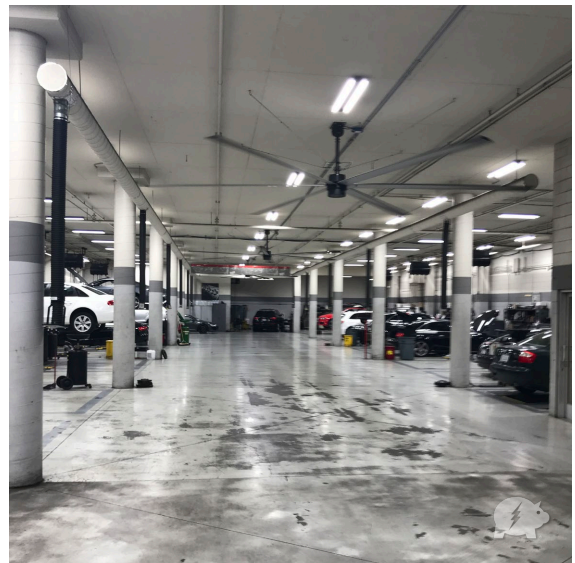
AUDI
INFINITI
VOLVO
Mission Viejo, CA

VOLVO



project data	location	type	qty	energy per unit	total energy	
existing	parking lot	1000W HID	45	1090W	49,050W	99,650W
	service dept.	400W HID	110	460W	50,600W	
upgrade	parking lot	model T	13	600W	7,800W	27,600W
	service dept.	OmegaLight	110	180W	19,800	

Total Energy Reduction: **72,050 watts**
72% energy reduction

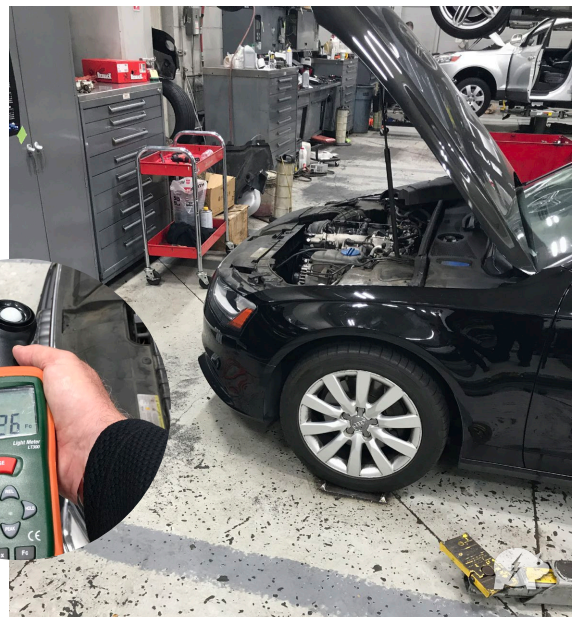


Smart operations.

LED Done Right® helps auto dealers to maximize facility operations while minimizing operating costs.

By upgrading existing HID fixtures, both interior and exterior, to energy efficient energybank LED, this auto dealer decreased energy consumption by 72% while significantly improving light levels. The Service Department is now getting 126 foot-candles under the hood. The lighting of the exterior showroom is maximized for auto merchandising.

LED Done Right delivers consistent, even quality, glare-free white light for improved visual acuity. The result is an improvement in appearance, safety and performance with significant energy and maintenance savings over 100,000 hours.



126 foot-candles under the hood

That's LED Done Right®



65% energy reduction, 18.8 kW demand reduction 80% foot-candle increase



"We tested various LED fixtures and chose the model T from energybank. The light quality and design of the fixture really outperformed the rest. I'm very happy with the lights."

- Brian Cullinan, Fixed Operations Director, Fields Auto Group

Project Data	Type	Qty	Energy per Unit	Total Energy	Electric Demand
prior system	750W HPS	12	863W	10,356W	28,956W 29.0 kW
	400W HPS	40	465W	18,600W	
energybank	MMT 150	5	150W	750W	10,150W 10.2 kW
	MMT 200	23	200W	4,600W	
	MTB 600	8	600W	4,800W	

TOTAL ENERGY REDUCTION: 18,806 watts
ANNUAL ENERGY REDUCTION: 65%
ANNUAL KW DEMAND REDUCTION: 18.8 kW

*Additional savings in areas with motion and ambient sensors

Energy savings from this project have a positive impact on Greenhouse Gas emissions. **18.8 kW** reduction is the equivalent of:



Eliminating the greenhouse gas emissions from **13.1** passenger vehicles driven for one year



Eliminating the CO₂ emissions from the energy use of **6.6** homes in one year



The carbon sequestered by **72.2** acres of US Forest in one year

80% Energy Reduction
with LED Done Right®



Russ Darrow - Toyota knows that superior auto merchandising closes deals.

It's only natural that Russ Darrow - Toyota chose an award-winning LED Done Right® lighting upgrade to provide superior quality light for heightened attention throughout their exterior showroom. The integration of model T® LED created an evenly illuminated, well-lit environment that enhances visibility of their valuable merchandise without light trespass to deliver the best quality experience to their customers and their neighbors.

In addition to cleaning up mis-matched lighting and increasing quality light levels (thanks to superior optics and advanced thermal management), the high-output performance of model T® allows Russ Darrow to maximize facility operations while minimizing maintenance and operating costs for years to come with an 80% reduction in energy.



Project Data	Type	Qty	Energy per unit	Total energy
Prior System	HID	58	1090W	63,220W
		28	460W	12,880W
energybank	model T®	26	600W	15,600

TOTAL ENERGY REDUCTION 60,500W
ENERGY REDUCTION 80%





energybank. Case Study

exterior
model T®



LED Done Right®

Alexandria Motors
Alexandria, MN



project data

	type	qty	energy per unit	total energy
existing	HID	32	1090W	34,880W
upgrade	model T	16	600W	9,600W

Total Energy Reduction 25,280 watts

72% energy reduction

EXISTING Two - 1090W HID



RETROFIT One - 600W model T



The Alexandria Motors outdoor showroom was renovated to a modern look and feel when 16 poles with two 1090 watt HID fixtures each were retrofitted with a single 600 watt energybank model T exterior LED fixture each.

The result is a huge improvement in both appearance and performance with significant energy and maintenance savings.



**72%
energy
reduction**

FOOTCANDLE COMPARISON

	Two - 1090W HID	One - 600W model T
Street Side 10'	2.1 FC	4.1 FC
Pole Base 0'	20 FC	24 FC
Lot Side 10'	23 FC	49.5 FC
Lot Side 20'	17 FC	34 FC
Lot Side 30'	10 FC	22 FC



energybank. Case Study

exterior
model T®



LED Done Right®

Eau Claire Ford
Eau Claire, WI



project data

	type	qty	energy per unit	total energy
existing	HID	65	1090W	70,850W
upgrade	model T	39	600W	23,400W

Total Energy Reduction 47,450 watts

67% energy reduction

EXISTING Two - 1090W HID



RETROFIT One - 600W model T



67%
energy
reduction

Automotive Merchandising.

The Eau Claire Ford outdoor showroom was transformed by replacing 65 HID fixtures (1090W each) with 39 award-winning energybank model T LED fixtures (600W each). The result is a huge improvement in both appearance and performance with significant energy and maintenance savings.

The consistent, even quality of the glare-free white light has dramatically improved the appearance of the vehicles being displayed outdoors. The model T, packaged in a sleek, modern form factor, delivers better light for enhanced merchandising on top of a **67% energy reduction**.

That's LED Done Right.



Master Lock[®] 72% Energy Reduction



Master Lock is committed to building a safer, more secure world.

It's only natural that Master Lock chose an LED Done Right[®] lighting upgrade to provide peace of mind in their employee parking lot. The integration of model T LED created an evenly illuminated, well-lit environment to enhance overall parking safety and security.

With its superior optics, the model T minimizes light trespass onto adjacent property and has virtually no up-light glare for darker skies. With its 100,000 hour life, the model T will help end-users to maximize safety and facility operations while minimizing maintenance and operating costs for years to come.

The upgrade to model T LED has completely transformed the Master Lock parking lot, gained a 72% reduction in energy and an annual electric cost reduction of \$15,099

That's LED Done Right[®]



Master Lock
Milwaukee, WI

Project Data	Type	Qty	Energy per unit	Total energy
Prior System	HID	48	1090W	52,320W
energybank	model T	24	600W	14,400W

TOTAL ENERGY REDUCTION 37,920W
ANNUAL ELECTRIC COST REDUCTION \$15,099



energybank. Case Study

exterior
Wall Pack

LED Done Right®

Lynch Truck
Waterford, WI



project data

	type	qty	energy per unit	total energy
existing	250W HPS	26	295W	7,670W
upgrade	Wall Pack	26	80W	2,080W

Total Energy Reduction 5,590 watts

73% energy reduction

BEFORE



AFTER



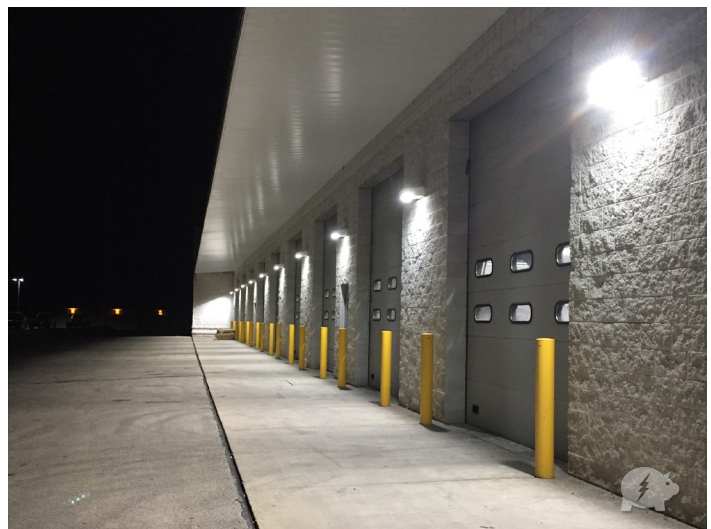
Smart operations.

energybank Wall Pack provides end-users with a safe, secure environment while minimizing operating and maintenance costs.

The consistent, even quality of the glare-free white light from the wall packs dramatically improved the service bay entryway.

energybank Wall Packs deliver 100,000 hours of maintenance-free operation. At 12 hours a night, 7 days a week, that's more than 22 years of light!

That's LED Done Right.





Case Study

energybank. Industrial Waste Management



"Every Day, Driven to Deliver Service First, Safety Always"

Advanced Disposal

Advanced Disposal - Sheboygan, WI



Advanced Disposal in Sheboygan, Wisconsin upgraded both their interior and exterior lighting systems to high-performance, energy-efficient, award-winning, made in the USA, LED fixtures from energybank.



"With the new lighting from energybank, we increased the light levels both inside and outside for vehicle inspections, driver safety and overall better operating environment. It's really made a big difference.

The interior fixtures are being replaced as the old lamps fail. We can easily do the installation ourselves due to the compatible design of the energybank fixtures, saving even more cost."

Michael Thun, General Manager - Sheboygan, Wisconsin





Vehicle inspections can now be more easily done outside with the additional wall packs from energybank strategically located between the parking spots for the trucks.

The wall packs have excellent light cutoff that reduces glare for drivers when backing up to the doors.



Lot lighting was greatly improved with the upgrade to energybank exterior fixtures. With a 100,000 hour life and superior optics, drivers can easily see their vehicles for inspection and navigate safely for years to come.

Efficient. Sustainable. Good business. That's LED Done Right®.



energybank.
www.energybankinc.com

validation by our customers

More important than any award is the validation received by companies using our technology. Some applications:

