

WHAT SHOULD YOUR LIGHTING
DO FOR YOU?



Your lighting should do what LED lighting does naturally.

- Save you energy costs.
- Save you costly maintenance time.
- Provide you optimum functionality and appearance.
- Pay you back for your lighting investment.
- Help you contribute to the protection of our environment.

Consider switching to LED. The facts are real.

LED EFFICIENCY = ENERGY COST SAVINGS

LEDs can reduce lighting energy costs by more than 80% over incandescent lighting, and more than 50% over fluorescent lights without sacrificing functionality or aesthetics.

- LEDs emit more light per watt than incandescent light bulbs or fluorescent bulbs. LED's now offer 100-120 lumens/watt. Lower wattage means reduced energy consumption, but no visual compromises.
- LEDs illuminate faster and are ideal for frequent on-off cycling, unlike fluorescents that take time to "warm up" and fail faster when cycled often.
- LED's offer additional savings in air conditioned environments, because LED lights generate very little unwanted heat. In contrast, each watt of incandescent lighting can add another watt or more to the power needed for air conditioning.



LED LIFESPAN = NO MAINTENANCE

- LED bulbs can last for 50,000 hours or more. That's 10 years or more! On average incandescent bulbs have an expected lifespan of only 2,000 hours, a fluorescent's lifespan is 10,000 - 20,000 hours. And, LED lights operate maintenance free over their lifetime and do not require ballast change outs.

LED INVESTMENT = ROI PAYBACK

- LED projects offer a return on your investment. Unlike traditional lighting/bulb expenditures, LED's pay you back in savings within one to three years. They continue to deliver returns on your investment through energy cost savings and elimination of relamping during their extend life.

LED ENVIRONMENTALLY SAFE = WISE AND SUSTAINABLE

- A building's carbon footprint can be reduced substantially just by retrofitting with new LEDs. CO² emissions can be reduced by more than 50%. Fossil fuels that would have been burned to produce electricity will save 2.2 g of CO² emission per watt of electricity saved from LED implementation.
- LEDs do not contain mercury. LED breakage does not threaten people, landfill or ground water with the risks of mercury exposure or contamination. They emit no infrared or ultraviolet radiation; and because of their extremely long lifespan, LED greatly reduce disposal waste.
- Legislation is leading the way to LED. Environmental awareness and emission reductions are a global concern for our future. The Energy Independence Act of 2007 called for the elimination of inefficient lighting products in 2014. Replacement products must be 28% more efficient than the 2007 level of incandescent technology.

WHAT USA LED CAN DO FOR YOU

We all agree that technologies like LED lighting are at the leading edge of a global transition to a more sustainable way of life, but as a practical business person, we know your first concern is your bottom line.



Our existing customers were convinced of the bottom line value of LED when we showed them evidence that transitioning to LED lighting delivers a foreseeable and quantifiable return on investment in the first one to three years. After that, they continue to benefit from monthly savings in reduced energy costs and maintenance relief. The fact that they also made an environmentally friendly choice is yet another wonderful and even marketable bonus.



To help you understand the value to your bottom line, USA LED will provide you with a free, no obligation lighting audit, complete with a financial payback analysis including:

- Recommendations for energy efficient lighting replacements.
- Energy savings and relamping savings.
- A quotation for fully retrofitting your facilities lighting.
- Support the American way, save for your own business, while every dollar invested generates additional wages for Americans from USA LED.



Additional services

- Assist you in acquiring financing such that the monthly loan payment is lower than the monthly LED savings. Your investment can be cash flow positive from day 1
- File for any applicable rebates with the local power company for our eligible Energy Star and DLC Certified products.
- Deliver and if desired, provide full installation services for all energy efficient lighting.
- Provide discounted pricing to contractors nationally.



DLC

All products we sell are covered by a 5-year warranty.
There's no obligation to find out how much you can save.

Call us today. 855-533-1212

LED LIGHT BAR

T10LB Series

Retrofit and Delamping made easy!



Light Bar Installs with included magnetic mounting clips and line voltage wire with quick connect.

4

Item	Nominal	Length	Wattage	Light Output
T10LB2-8	2 FT	549 mm	8 W	1120 Lumens
T10LB2-12	2 FT	549 mm	12 W	1680 Lumens
T10LB3-12	3 FT	849 mm	12 W	1680 Lumens
T10LB4-14	4 FT	1149 mm	16 W	2240 Lumens
T10LB4-18	4 FT	1149 mm	18 W	2520 Lumens
T10LB4-28	4 FT	1149 mm	28 W	3920 Lumens

Efficacy: 140 Lm/w; Voltage: 100-277V; CCT: 3000K, 3500K, 4000K, 5000K; Glare Free Frosted Lens, CRI >80; PF>0.90; Certifications: DLC (2 FT and 4 FT), ETL Design Life (L70): 50,000 hrs; 5 year warranty

UNIVERSAL LED TUBE LIGHT

T8UV Series

Universal installation made easy!



Operates in 3 modes:

1. Ballast compatible
2. Ballast by-pass single-ended
3. Ballast by-pass double-ended

- Nano plastic tube construction
- Non-breakable, food display compatible
- Light weight, easy to transport
- 150 Lumens/Watt
- Replacable driver and LED PCB

Item	Nominal	Wattage	Light Output	Certification
T8UVA2-8	2FT	8 W	1200 Lumens	UL, DLC
T8UVA3-10	3FT	10 W	1500 Lumens	UL
T8UVA4-12	4FT	12 W	1800 Lumens	UL, DLC
T8UVA4-18	4FT	18 W	2700 Lumens	UL, DLC

Efficacy: 150 Lm/w; Voltage: 100-277V; CCT: 3000K, 3500K, 4000K, 5000K; Glare Free Frosted Lens, CRI >80; PF>0.90; Design Life (L70): 50,000 hrs; 5 year warranty



2x4



2x2

Item	Size	Wattage	Light Output	Certification
TR22-24	2x2	24 W	3000 Lumens	UL, DLC
TR22-30	2x2	30 W	3750 Lumens	UL, DLC
TR14-24	1x4	24 W	3000 Lumens	UL, DLC
TR24-40	2x4	40 W	5000 Lumens	UL, DLC
TR24-50	2x4	50 W	6250 Lumens	UL, DLC

Efficacy: 125 Lm/w; Voltage: 100-277V; CCT: 3000K, 3500K, 4000K, 5000K; Glare Free Frosted Lens, CRI >80; PF>0.90; 0-10 V Dim, Occupancy Sensor, Daylight harvesting, Emergency Battery back up for 90 min. Design Life (L70): 50,000 hrs; 5 year warranty

LED PANEL LIGHT

PNL Series



Drop Ceiling or Surface Mount



Integrated Emergency Option



2x2



1x4



2x4

Applications: Troffer replacement, Offices, Hallway, Hospitals, Retail, Hotels, Lobby

Item	Size	Wattage	Lumen Output	Certifications
PNL22-25	2 x 2	25 W	3125 Lumens	UL, DLC
PNL22-30	2 x 2	30 W	3750 Lumens	UL, DLC
PNL22-36	2 x 2	36 W	4500 Lumens	UL, DLC
PNL14-30	1 x 4	30 W	3750 Lumens	UL, DLC
PNL24-40	2 x 4	40 W	5000 Lumens	UL, DLC
PNL24-48	2 x 4	48 W	6000 Lumens	UL, DLC
PNL24-60	2 x 4	60 W	7500 Lumens	UL, DLC

Efficacy: 125 Lm/w; Voltage: 100-277V; CCT: 3000K, 4000K, 5000K; CRI >80; PF >0.90; Glare Free Frosted Lens, White Frame, 0-10 V Dimming, Options: Surface mount kit. CCT Color tuning, Emergency Battery Backup, Design Life (L70): 50,000 hrs; 5 year warranty

LED SCREW-IN LAMPS

Lamp Series

A19



A21



A19/GU24



R20



BR30



BR40



PAR20



PAR30



PAR38



8

PAR16



MR16



CANDELABRA



GU10



LED SCREW-IN LAMPS

Lamp Series

Applications: Tracking Lights, Flood Lights, Recessed Lights, Accents Lights, Chandeliers, Sconces, Lanterns



Item	Wattage	Voltage/Dim ?	CCT	Beam Angle	Light Output	Base
A19	6W	120V, Dim	2700, 3000,4000,5000K	300 Deg	480 Lumens	E26
A19	9W	120V, Dim	2700, 3000,4000,5000K	300 Deg	800 Lumens	E26
A19 GU24	9W	120V, Dim	2700, 3000,4000,5000K	300 Deg	800 Lumens	GU24
A21	13.5W	120V, Dim	2700, 3000,4000,5000K	300 Deg	1100 Lumens	E26
A21	17W	120V, Dim	2700, 3000,4000,5000K	300 Deg	1600 Lumens	E26
R20	6W	120V, Dim	2700, 3000,4000K	120 Deg	750 Lumens	E26
BR30	8W	120V, Dim	2700, 3000,4000K	120 Deg	650 Lumens	E26
BR40	15W	120V, Dim	2700, 3000,4000K	120 Deg	1100 Lumens	E26
PAR16	7W	120V, Dim	2700, 3000,4000K	25/40/60 Deg	425 Lumens	E26
PAR20	8W	120V, Dim	2700, 3000,4000K	25/40/60 Deg	650 Lumens	E26
PAR30	12W	120V, Dim	2700, 3000, 4000K	25/40/60 Deg	1000 Lumens	E26
PAR38	15W	120V, Dim	2700, 3000, 4000,5000K	25/40/60 Deg	1360 Lumens	E26
MR16	7W	120V, Dim	2700,3000,4000K	25/40 Deg	500 Lumens	MR16
MR16 GU10	7W	120V, Dim	2700,3000,4000K	25/40 Deg	500 Lumens	GU10
CDL E12	4W	120V, Dim	2700,3000K	300 Deg	320 Lumens	E12, E26



LED PL LAMPS

PL Series

Plug and Play / Hybrid / Ballast Bypass



Applications: Retrofit of existing PL down light, Sconce, and troffer fixtures. Requires by-pass of existing fluorescent ballast.

Item	Wattage	Socket	Ballast/ HYB /Bypass	Lumens	CCT (Kelvin)
PLV-9.5	9.5 W	G24/GX24	Ballast Compatible	1000 Lm	2700,3000,3500,4000
PLV-6.5	6.5 W	G24/GX24	Ballast Compatible	600Lm	2700,3000,3500,4000
PLV-11.5	11.5 W	G24/GX24	Ballast Bypass	1000 Lm	2700,3000,3500,4000
PLV-7	7 W	G24/GX24	Ballast Bypass	600 Lm	3500,4000
PLH-8.5	8.5 W	G24/GX24	Ballast Compatible	950 Lm	2700,3000,3500,4000
PLH-5.5	5.5 W	G24/GX24	Ballast Compatible	550 Lm	2700,3000,3500,4000
PLH-10.5	10.5 W	G24/GX24	Ballast Bypass	920 Lm	2700,3000,3500,4000
PLH-6	6 W	G24/GX24	Ballast Bypass	550 Lm	3500,4000
PLSV-7	7 W	GX23	Hybrid	550 Lm	2700,3000,3500,4000
PLSH-6	6 W	GX23	Hybrid	550 Lm	2700,3000,3500,4000
PLSH-3.5	3.5 W	G23	Hybrid	300 Lm	2700,3000
PLLH-17	17 W	2G11	Ballast Compatible	2050 Lm	3000,3500,4000
PLLH-14	14 W	2G11	Ballast Compatible	1550 Lm	3500
PLLH-5.5	5.5 W	2GX7	Ballast Bypass	500 Lm	3500
PLLH-3.5	3.5 W	2G7	Ballast Bypass	300 Lm	3500

Efficacy 80-120 Lm/W, Voltage: 100-277V, CRI >80; PF>0.90; Glare Free Frosted Lens; Design Life (L70): 50,000 hrs; 3 year warranty



PLV - G24 Base



PLH - G24 Base



PLSV - GX23 Base



PLSH - G23 Base



PLLH- 2G11

LED DOWN LIGHT

DLM Series

9-in-1 Multi-Function Solution



Multi-Function Attributes

- Selectable Power: 3 Power Levels
- Selectable CCT: 3000K, 3500K, 4000K

Applications: Retrofit of existing down light or new construction

Item	Size	Power Setting	Voltage	Lumens	Certification
DLM6	6 inch	8.5 W	100-277V Non-Dim	700 Lumens	UL, Energy Star
		13.5 W		1000 Lumens	
		21 W		1500 Lumens	
DLM8	8 inch	12 W	100-277V Non-Dim	1000 Lumens	UL, Energy Star
		19 W		1500 Lumens	
		26 W		2000 Lumens	

CCT: 3000K, 3500K, 4000K; CRI >80; PF>0.90; Glare Free Frosted Lens; Options: Emergency Battery Backup, Design Life (L70): 50,000 hrs; 5 year warranty



- **HBA Series:** Light Bar Array Type
- **HBB Series:** Linear Type
- **HBC Series:** Round Type
- **HBD Series:** Vapor Tight Type
- **LBA Series:** Linear Lowbay Type

HBA Series



Item	Wattage	Voltage	Light Output	Certifications
HBA-60	60 W	100-277V, 0-10V Dim	7200 Lumens	ETL, DLC
HBA-90	90 W	100-277V, 0-10V Dim	10800 Lumens	ETL, DLC
HBA-120	120 W	100-277V, 0-10V Dim	14400 Lumens	ETL, DLC
HBA-150	150 W	100-277V, 0-10V Dim	18000 Lumens	ETL, DLC
HBA-240	240 W	100-277V, 0-10V Dim	28800 Lumens	ETL, DLC
HBA-300	300 W	100-277V, 0-10V Dim	36000 Lumens	ETL, DLC
HBA-360	360 W	100-277V, 0-10V Dim	43200 Lumens	ETL, DLC
HBA-400	400 W	100-277V, 0-10V Dim	48000 Lumens	ETL, DLC

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Wireless control, Dark Brown, Black, White, Silver

HBB Series



Item	Size	Wattage	Voltage	Light Output	Certifications
HBB-2-100	2 FT	100 W	90-305V, 0-10V Dim	14000 Lumens	UL, DLC
HBB-2-150	2 FT	150 W	90-305V, 0-10V Dim	21000 Lumens	UL, DLC
HBB-2-200	2 FT	200 W	90-305V, 0-10V Dim	28000 Lumens	UL, DLC
HBB-2-240	2 FT	240 W	90-305V, 0-10V Dim	33600 Lumens	UL, DLC
HBB-4-100	4 FT	100 W	90-305V, 0-10V Dim	14000 Lumens	UL, DLC
HBB-4-150	4 FT	150 W	90-305V, 0-10V Dim	21000 Lumens	UL, DLC
HBB-4-200	4 FT	200 W	90-305V, 0-10V Dim	28000 Lumens	UL, DLC
HBB-4-240	4 FT	240 W	90-305V, 0-10V Dim	33600 Lumens	UL, DLC
HBB-4-300	4 FT	300 W	90-305V, 0-10V Dim	42000 Lumens	UL, DLC
HBB-4-400	4 FT	400 W	90-305V, 0-10V Dim	56000 Lumens	UL, DLC

Efficacy: 140 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



HBC Series



Item	Wattage	Voltage	Light Output	Certifications
HBC-30	30 W	100-277V, 0-10V Dim	3600 Lumens	UL, DLC
HBC-60	60 W	100-277V, 0-10V Dim	7200 Lumens	UL, DLC
HBC-90	90 W	100-277V, 0-10V Dim	10800 Lumens	UL, DLC
HBC-120	120 W	100-277V, 0-10V Dim	14400 Lumens	UL, DLC
HBC-150	150 W	100-277V, 0-10V Dim	18000 Lumens	UL, DLC
HBC-180	180 W	100-277V, 0-10V Dim	21600 Lumens	UL, DLC
HBC-210	210 W	100-277V, 0-10V Dim	25200 Lumens	UL, DLC
HBC-240	240 W	100-277V, 0-10V Dim	28800 Lumens	UL, DLC
HBC-270	270 W	100-277V, 0-10V Dim	32400 Lumens	UL, DLC
HBC-300	300 W	100-277V, 0-10V Dim	36000 Lumens	UL, DLC

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Wireless control, Dark Brown, Black, White, Silver



HBD Series



Item	Size	Wattage	Voltage	Light Output	Certifications
HBD-79	4 FT	79 W	100-277V, 0-10V Dim	13035 Lumens	UL, DLC
HBD-158	4 FT x 2	158 W	100-277V, 0-10V Dim	26070 Lumens	UL, DLC

Efficacy: 165 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor



HBE Series



Item	Wattage	Voltage	Light Output	Certifications
HBE-60	60 W	100-277V, 0-10V Dim	8400 Lumens	UL, DLC
HBE-100	100 W	100-277V, 0-10V Dim	14000 Lumens	UL, DLC
HBE-150	150 W	100-277V, 0-10V Dim	21000 Lumens	UL, DLC
HBE-200	200 W	100-277V, 0-10V Dim	28000 Lumens	UL, DLC

Efficacy: 140 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



LBA Series



Item	Size	Wattage	Voltage	Light Output	Certifications
LBA-2-20	2 FT	20 W	100-277V, 0-10V Dim	2400 Lumens	UL, DLC
LBA-4-45	4 FT	45 W	100-277V, 0-10V Dim	5400 Lumens	UL, DLC
LBA-5-60	5 FT	60 W	100-277V, 0-10V Dim	7200 Lumens	UL, DLC
LBA-8-70	8 FT	70 W	100-277V, 0-10V Dim	8400 Lumens	UL, DLC

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup

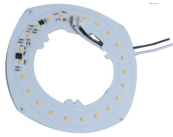


LED MAGNETIC RETROFIT MODULES

Installs Easily with Magnetic Backing

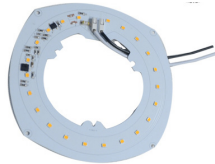
MAG Series

MAG AC Series



5.5" Round

17 W



7.0" Round

23 W



5.0" Long

5 W



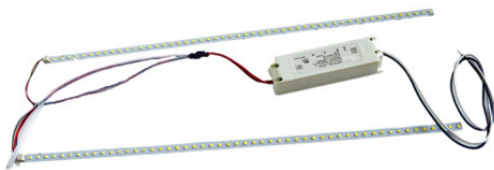
23.0" Long

17 W

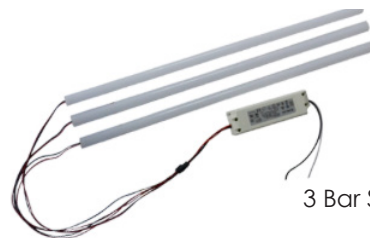
Item	Size	Wattage	Voltage	Light Output	Certifications
MAG-R5-17	5.5" Diameter	17 W	100-277V, 0-10V Dim	1700 Lumens	UL
MAG-R7-23	7" Diameter	23 W	100-277V, 0-10V Dim	2300 Lumens	UL
MAG-L5-5	5" Length	5 W	100-277V, 0-10V Dim	500 Lumens	UL
MAG-L23-17	23" Length	17 W	100-277V, 0-10V Dim	1700 Lumens	UL

Efficacy: 100 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle 120 Deg, Magnetic

MAG Retrofit STP Series



2 Bar Strip Kit



3 Bar Strip Kit

Item	Size	Wattage	Voltage	Light Output	Certifications
MAG-STP2-25	4' Length	25 W	100-277V, 0-10V Dim	3000 Lumens	UL, DLC
MAG-STP3-25	4' Length	25 W	100-277V, 0-10V Dim	3000 Lumens	UL, DLC

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle 120 Deg, Frosted Lens, Magnetic

DLC



LED CEILING DOME AND WALL SCONCE

CL/WS Series

Elegant Solution with Quick Installation

CLA Series



Item	Size	Wattage	Voltage	Light Output	Certifications
CLA-12-18	12"	18 W	100-277V	1400 Lumens	UL, Energy Star
CLA-14-23	14"	24 W	100-277V	2100 Lumens	UL, Energy Star
CLA-16-28	16"	28 W	100-277V	2500 Lumens	UL, Energy Star
CLA-18-35	18"	35 W	100-277V	2900 Lumens	UL, Energy Star

Efficacy: 80 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide
Options: Emergency Battery Backup

CLB Series



Item	Size	Wattage	Voltage	Light Output	Certifications
CLB-15-24	15"	24 W	100-277V	1940 Lumens	UL, Energy Star

Efficacy: 110 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide
Options: Emergency Battery Backup

WSA Series



Item	Size	Wattage	Voltage	Light Output	Certifications
WSA-16	10"	16 W	100-277V	1150 Lumens	UL, Energy Star
WSA-23	10"	23 W	100-277V	1730 Lumens	UL, Energy Star

Efficacy: 75 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide
Options: Emergency Battery Backup

WSB Series



Item	Size	Wattage	Voltage	Light Output	Certifications
WSB-16	11.5"	16 W	100-277V	1150 Lumens	UL, Energy Star

Efficacy: 75 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide
Options: Emergency Battery Backup

LED SPECIALTY FIXTURES



BILEVEL WALL MOUNTED FIXTURE

30 inch, 29W occupied, 7W unoccupied, equipped with occupancy sensor and RF fixture to fixture communication, 100-277V, CCT: 4000, 5000K; CRI>0.8, PF>0.9, Emergency Battery Back-up Option DLC, UL, 10 yr warranty, 100,000 hr design life (L70) **Applications: Stairwell, Hallway**

DLC



BILEVEL CEILING MOUNTED FIXTURE

4 FT, 29W occupied, 7W unoccupied, equipped with occupancy sensor and RF fixture to fixture communication, 100-277V, CCT: 4000, 5000K; CRI>0.8, PF>0.9, Emergency Battery Back-up Option DLC, UL, 10 yr warranty, 100,000 hr design life (L70) **Applications: Stairwell Ceiling, Parking garages**

DLC



ARCH2WAY LINEAR CEILING MOUNTED FIXTURE

4 FT, 42W, 100-277V, CCT: 4000, 5000K; CRI>0.8, PF>0.9, DLC, UL, 5 yr warranty, 50,000 hr design life (L70) **Applications: Hallway, Offices, Architectural appeal, Suspended or surface mount.**

DLC



TK SERIES

Adjustable Beam Angle (24-60 Deg) Track Light, 15W, 25W, 35W, 80Lm/W 3000K, 4000K, 5000K, 95 CRI, 120V Dimmable. White, Silver, Black, Red



LOW BAY PENDANT - COLORED

30W, 100 Lm/W, 2700K, 3000K, 4000K, 100-277V, 120 Deg Beam Angle, Green, Red, Yellow



ECOSTAR 4 VERTICAL REFRIGERATOR LIGHT BAR

Length: 4, 5, 6 FT; Position: Center (2.8w/ft), End (1.8w/ft); 100-277V, CCT: 5000K, 4000K, CRI>0.8, PF>0.9, Energy Star, ETL, 5 yr warranty, 100,000 hr design life (L70) **Applications: Commercial Reach-in Refrigerator Door**

DLC



SHADOWLESS LED SURGICAL LIGHT FIXTURE

The 6 pedal fixture per head with engineered optics enable a shadowless operating area with an adjustable spot size of 5.5" – 9.0", max center beam intensity of 14,000 Fc, 97 CRI provides natural coloration of tissue, muscle, and organ surfaces with adjustable CCT and brightness, reduced heat emission compared to traditional HDI lamps, No UV or IR radiation, reduced surgeon eye fatigue, 75W per head enabling 50% energy savings vs traditional HDI, 5 dimensional lamp adjusting arm, high reliability with redundancy built into the electronic circuitry, 50,000 hr (L70) design life, 5 year warranty.



LED OUTDOOR AREA LIGHTS

AR Series

Pole-Mounted and Wall-Mounted Solutions

LED Technology offers optimum color rendering for improved visual acuity of outdoor site lighting. The comparison below is 250W HPS replaced with 93W LED.



ARA Series



Item	Nominal	Voltage	Light Output	Certifications
ARA-30	30 W	100-277V, 347-480V, 0-10V Dim	3600 Lumens	ETL, DLC
ARA-60	60 W	100-277V, 347-480V, 0-10V Dim	7200 Lumens	ETL, DLC
ARA-90	90 W	100-277V, 347-480V, 0-10V Dim	10800 Lumens	ETL, DLC
ARA-120	120 W	100-277V, 347-480V, 0-10V Dim	14400 Lumens	ETL, DLC
ARA-150	150 W	100-277V, 347-480V, 0-10V Dim	18000 Lumens	ETL, DLC
ARA-180	180 W	100-277V, 347-480V, 0-10V Dim	21600 Lumens	ETL, DLC
ARA-240	240 W	100-277V, 347-480V, 0-10V Dim	28800 Lumens	ETL, DLC
ARA-300	300 W	100-277V, 347-480V, 0-10V Dim	36000 Lumens	ETL, DLC
ARA-360	360 W	100-277V, 347-480V, 0-10V Dim	43200 Lumens	ETL, DLC
ARA-420	420 W	100-277V, 347-480V, 0-10V Dim	50400 Lumens	ETL, DLC

Efficacy: 120 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 3 and Type 5, Beam angle, Wide, Medium, Narrow, IP65, Design Life (L70): 70,000 hrs, 5 year warranty; Options: Photocell, Occupancy sensor, Wireless control, Dark Brown, Black, White, Silver

LED OUTDOOR AREA LIGHTS

Pole-Mounted and Wall-Mounted Solutions

AR Series



ARB Series



Item	Nominal	Voltage	Light Output	Certifications
ARB-30	30 W	100-277V, 347-480V, 0-10V Dim	3600 Lumens	ETL, DLC
ARB-60	60 W	100-277V, 347-480V, 0-10V Dim	7200 Lumens	ETL, DLC
ARB-90	90 W	100-277V, 347-480V, 0-10V Dim	10800 Lumens	ETL, DLC
ARB-120	120 W	100-277V, 347-480V, 0-10V Dim	14400 Lumens	ETL, DLC
ARB-150	150 W	100-277V, 347-480V, 0-10V Dim	18000 Lumens	ETL, DLC
ARB-180	180 W	100-277V, 347-480V, 0-10V Dim	21600 Lumens	ETL, DLC
ARB-210	210 W	100-277V, 347-480V, 0-10V Dim	25200 Lumens	ETL, DLC
ARB-240	240 W	100-277V, 347-480V, 0-10V Dim	28800 Lumens	ETL, DLC
ARB-270	270 W	100-277V, 347-480V, 0-10V Dim	32400 Lumens	ETL, DLC
ARB-300	300 W	100-277V, 347-480V, 0-10V Dim	36000 Lumens	ETL, DLC

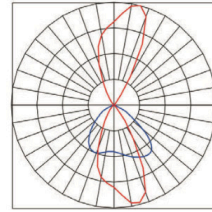
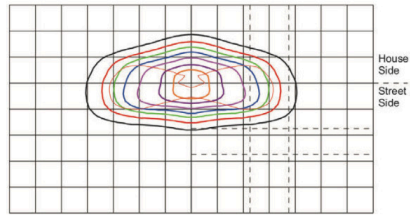
Efficacy: 120 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 2, 3, 4, 5, Beam angle, Wide, Medium, Narrow, IP65, Design Life (L70): 70,000 hrs, 5 year warranty; Options: Photocell, Occupancy sensor, Wireless control, Dark Brown, Black, White, Silver



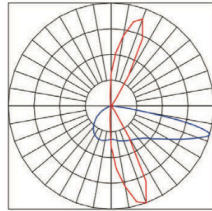
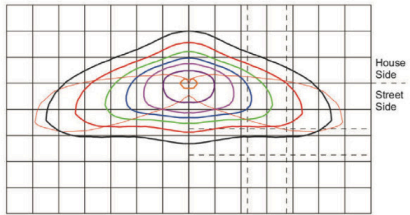
ISO Plot

Polar Curve

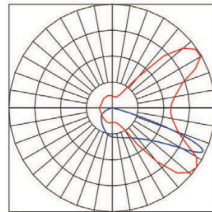
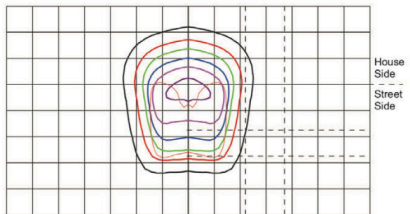
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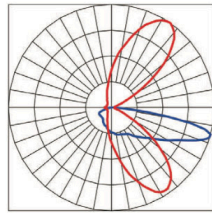
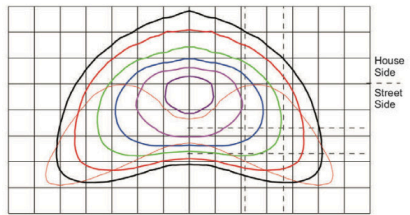
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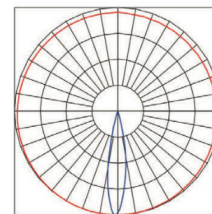
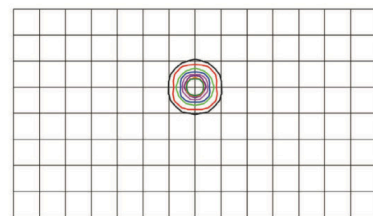
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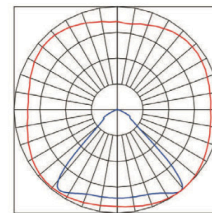
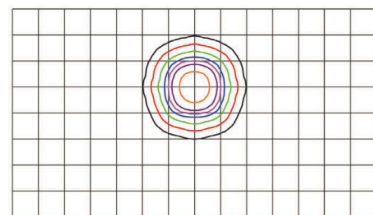
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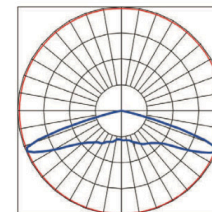
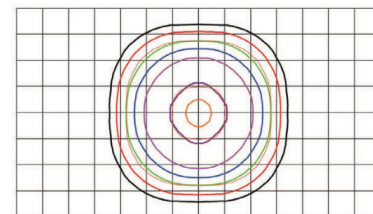
5N



5M



5W



LED MOUNTING OPTIONS

A Variety of Solutions...

AR Series



A1



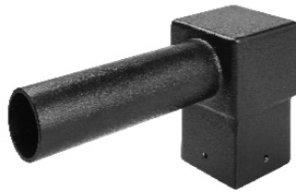
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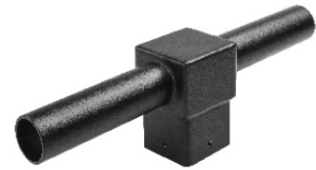
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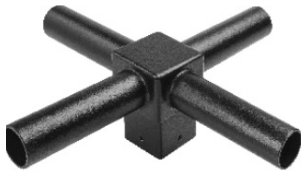
A4



A5



A6



A7



A8



A9



A10



A11

LED WALL PACKS

WP Series



- **WPA Series:** Full cut of matching AR Series
- **WPB Series:** Architectural Adjustable Full Cut Off
- **WPC Series:** Traditional Full Cut Off
- **WPD Series:** Traditional Flood Wall Pack
- **WPE Series:** Mini Wall Pack

WPA Series



Item	Wattage	Voltage	Light Output	Certifications
WPA-30	30 W	100-277V, 0-10V Dim	3600 Lumens	UL, DLC
WPA-60	60 W	100-277V, 0-10V Dim	7200 Lumens	UL, DLC

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



WPB Series



Item	Wattage	Voltage	Light Output	Certifications
WPB-30	30 W	100-277V, 0-10V Dim	3300 Lumens	UL, DLC
WPB-40	40 W	100-277V, 0-10V Dim	4400 Lumens	UL, DLC
WPB-70	70 W	100-277V, 0-10V Dim	7700 Lumens	UL, DLC
WPB-90	90 W	100-277V, 0-10V Dim	9900 Lumens	UL, DLC

Efficacy: 110 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



WP Series

WPC Series



Item	Wattage	Voltage	Light Output	Certifications
WPC-45	45 W	100-277V, 0-10V Dim	4950 Lumens	UL, DLC
WPC-70	70 W	100-277V, 0-10V Dim	7700 Lumens	UL, DLC
WPC-90	90 W	100-277V, 0-10V Dim	9900 Lumens	UL, DLC
WPC-135	135 W	100-277V, 0-10V Dim	14850 Lumens	UL, DLC

Efficacy: 110 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



WPD Series



Item	Wattage	Voltage	Light Output	Certifications
WPD-30	30 W	100-277V, 0-10V Dim	3450 Lumens	UL, DLC
WPD-45	45 W	100-277V, 0-10V Dim	5175 Lumens	UL, DLC
WPD-70	70 W	100-277V, 0-10V Dim	8050 Lumens	UL, DLC
WPD-90	90 W	100-277V, 0-10V Dim	10350 Lumens	UL, DLC
WPD-135	135 W	100-277V, 0-10V Dim	15525 Lumens	UL, DLC

Efficacy: 115 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



WPE Series



Item	Wattage	Voltage	Light Output	Certifications
WPE-17	17 W	100-277V, 0-10V Dim	1650 Lumens	UL, DLC
WPE-25	25 W	100-277V, 0-10V Dim	2100 Lumens	UL, DLC

Efficacy: 90 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, Wide, Medium, Narrow,
Options: Occupancy sensor, Emergency Battery Backup



LED FLOOD LIGHTS

FL Series



- **FLA Series:**
Mini Flood with Threaded Knuckle Mount
- **FLB Series:**
Flood Light with Trunion U-Mount
- **AR Series:**
Wall-Mounted Flood Lights (See Pg. 19)

FLA Series



Item	Wattage	Voltage	Light Output	Certifications
FLA-15	15 W	100-277V	1500 Lumens	UL, DLC
FLA-30	30 W	100-277V	3000 Lumens	UL, DLC
FLA-45	45 W	100-277V	4500 Lumens	UL, DLC

Efficacy: 100 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle, 1/2 inch adjustable knockout mount and trunion mount



FLB Series



Item	Wattage	Voltage	Light Output	Certifications
FLB-70	70 W	100-277V, 347-480V	8400 Lumens	UL, DLC
FLB-105	105 W	100-277V, 347-480V	12600 Lumens	UL, DLC
FLB-150	150 W	100-277V, 347-480V	18000 Lumens	UL, DLC
FLB-200	200 W	100-277V, 347-480V	24000 Lumens	UL, DLC
FLB-250	250 W	100-277V, 347-480V	30000 Lumens	UL, DLC
FLB-300	300 W	100-277V, 347-480V	36000 Lumens	UL, DLC

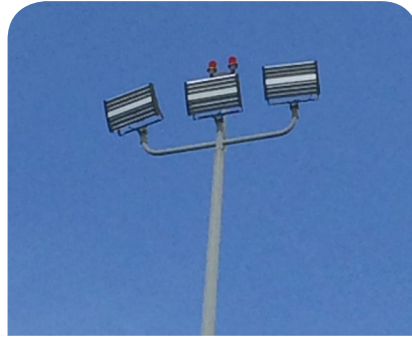
Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle



LED HIGH MAST LIGHTS

HM Series

HMA Series



Item	Wattage	Voltage	Light Output	Certifications
HMA-160	160 W	100-277V	16000 Lumens	UL, DLC
HMA-320	320 W	100-277V	32000 Lumens	UL, DLC

Efficacy: 100 Lm/w; CRI>80, PF>0.90, Type 5, and Oval Beam Patterns

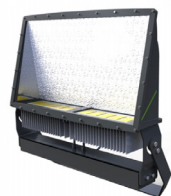
HMB Series



Item	Wattage	Voltage	Light Output	Certifications
HMB-360	360 W	100-277V, 347-480V	43200 Lumens	UL, DLC
HMB-450	450 W	100-277V, 347-480V	54000 Lumens	UL, DLC
HMB-600	600 W	100-277V, 347-480V	72000 Lumens	UL, DLC
HMB-750	750 W	100-277V, 347-480V	90000 Lumens	UL, DLC
HMB-900	900 W	100-277V, 347-480V	108000 Lumens	UL, DLC

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Type 5, Beam angle

HMC Series



Item	Wattage	Voltage	Light Output	Certifications
HMC-300	300 W	100-277V	39000 Lumens	UL, DLC
HMC-400	400 W	100-277V	52000 Lumens	UL, DLC
HMC-500	500 W	100-277V	65000 Lumens	UL, DLC
HMC-600	600 W	100-277V	78000 Lumens	UL, DLC

Efficacy: 130 Lm/w; CRI>80, PF>0.90, Beam Angle: Flood



LED DOCK LIGHT

DK Series



Surface Mount or Adjustable Arm Options

DK SERIES: Ideal fixture to illuminate deep into the trailer's cargo

Item	Wattage	Voltage	Light Output	Certifications
DK-16	16 W	100-277V	1600 Lumens	UL
DK-30	30 W	100-277V	3000 Lumens	UL

Efficacy: 100 Lm/w; CRI>80, PF>0.90, Type 5, 25 Deg Beam angle



LED SECURITY LIGHT

SC Series



Includes Photo Cell

SC SERIES: Convenient Dusk to Dawn Illumination

Item	Wattage	Voltage	Light Output	Certifications
SC-45	45 W	100-277V	5000 Lumens	UL, DLC
SC-70	70 W	100-277V	7000 Lumens	UL, DLC

Efficacy: 100 Lm/w; CRI>80, PF>0.90, Type 5, CCT: 4000K, 15000K





- **Class 1, Division 2**
- **UL 844 Listed**
- **IP 68**
- **Various Mounting Types**

EXP SERIES: Class 1 Division 2



Item	Wattage	Voltage	Light Output	Certifications
EXP- 40	40 W	100-277V	4000 Lumens	UL, DLC
EXP- 80	80 W	100-277V	8000 Lumens	UL, DLC
EXP- 100	100 W	100-277V	10000 Lumens	UL, DLC
EXP- 120	120 W	100-277V	12000 Lumens	UL, DLC
EXP- 150	150 W	100-277V	15000 Lumens	UL, DLC
EXP- 180	180 W	100-277V	18000 Lumens	UL, DLC
EXP- 200	200 W	100-277V	20000 Lumens	UL, DLC

Efficacy: 100 Lm/w; CRI>80, PF>0.90, Type 5, Mounting Types: 1/2" Threaded Pipe, U Bracket, Chain Hung

LED POST TOP LIGHTS

PT Series



- Retrofit Lamps for Post Top Luminaires
- Retrofit Lamp for Bollards

PTA Series



Item	Wattage	Voltage	Light Output	Certifications
PTA-30	30 W	100-277V	3750 Lumens	UL, Energy Star
PTA-40	40 W	100-277V	4850 Lumens	UL, Energy Star
PTA-50	50 W	100-277V	6100 Lumens	UL, Energy Star

Efficacy: 125 Lm/w; CRI>80, PF>0.90, Beam Angle: 360 Deg, E26 (Medium) / E39 (Mogul Base)



PTB Series



Item	Wattage	Voltage	Light Output	Certifications
PTB-20	20 W	100-277V	2400 Lumens	UL, Energy Star
PTB-36	36 W	100-277V	4320 Lumens	UL, Energy Star
PTB-54	54 W	100-277V	6480 Lumens	UL, Energy Star
PTB-80	80 W	100-277V	9600 Lumens	UL, Energy Star
PTB-100	100 W	100-277V	12000 Lumens	UL, Energy Star

Efficacy: 120 Lm/w; CRI>80, PF>0.90, Beam Angle: 360 Deg, E26 (Medium) / E39 (Mogul Base)



LED CANOPY / GARAGE

CP Series



CPA Series



Item	Wattage	Voltage	Lumen Output	Certifications
DL-CPA-60W	60W	100-277V, 347-480V, 0-10V Dim	7200 Lumens	ETL, DLC
DL-CPA-90W	90W	100-277V, 347-480V, 0-10V Dim	10800 Lumens	ETL, DLC
DL-CPA-120W	120W	100-277V, 347-480V, 0-10V Dim	14400 Lumens	ETL, DLC

Efficacy: 120 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 5, Beam angle, Wide, Medium, Narrow, Design Life (L70): 70,000 hrs, 5 year warranty, White

CPB Series



Item	Wattage	Voltage	Lumen Output	Certifications
DL-CPB-60W	60W	100-277V, 347-480V, 0-10V Dim	7200 Lumens	ETL, DLC
DL-CPB-90W	90W	100-277V, 347-480V, 0-10V Dim	10800 Lumens	ETL, DLC
DL-CPB-120W	120W	100-277V, 347-480V, 0-10V Dim	14400 Lumens	ETL, DLC

Efficacy: 120 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 5, Beam angle, Wide, Medium, Narrow, Design Life (L70): 70,000 hrs, 5 year warranty, White

CPC Series



Item	Wattage	Voltage	Lumen Output	Certifications
CPC-50W	50W	100-277V, 347-480V, 0-10V Dim	5000 Lumens	ETL, DLC
CPC-75W	75W	100-277V, 347-480V, 0-10V Dim	7500 Lumens	ETL, DLC
CPC-100W	100W	100-277V, 347-480V, 0-10V Dim	10000 Lumens	ETL, DLC
CPC-130W	130W	100-277V, 347-480V, 0-10V Dim	13000 Lumens	ETL, DLC

Efficacy: 100 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 5, Beam angle, Wide, Medium, Narrow, Design Life (L70): 70,000 hrs, 5 year warranty



CPD Series



Item	Wattage	Voltage	Lumen Output	Certifications
CPD-40W	40W	100-277V, 0-10V Dim	5400 Lumens	ETL, DLC
CPD-60W	60W	100-277V, 0-10V Dim	8100 Lumens	ETL, DLC

Efficacy: 135 Lm/w; CRI>80, PF>0.90, CCT: 4000, 5000K; Type 5, Beam angle, Wide, Medium, Narrow, Design Life (L70): 70,000 hrs, 5 year warranty

DLC

CPE Series



Item	Wattage	Voltage	Lumen Output	Certifications
CPE-96W	96W	100-277V, 347-480V, 0-10V Dim	12960 Lumens	UL, DLC

Efficacy: 135 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 5, Beam angle, Wide, Medium, Narrow, Design Life (L70): 70,000 hrs, 5 year warranty



LED CUSTOM RETROFIT PLATES

RP Series



RP SERIES:

Item	Nominal	Voltage	Light Output	Certifications
RP-30	30 W	100-277V, 347-480V, 0-10V Dim	3600 Lumens	ETL, DLC
RP-60	60 W	100-277V, 347-480V, 0-10V Dim	7200 Lumens	ETL, DLC
RP-90	90 W	100-277V, 347-480V, 0-10V Dim	10800 Lumens	ETL, DLC
RP-120	120 W	100-277V, 347-480V, 0-10V Dim	14400 Lumens	ETL, DLC
RP-150	150 W	100-277V, 347-480V, 0-10V Dim	18000 Lumens	ETL, DLC
RP-180	180 W	100-277V, 347-480V, 0-10V Dim	21600 Lumens	ETL, DLC
RP-240	240 W	100-277V, 347-480V, 0-10V Dim	28800 Lumens	ETL, DLC
RP-300	300 W	100-277V, 347-480V, 0-10V Dim	36000 Lumens	ETL, DLC

Efficacy: 120 Lm/w; CRI>70, PF>0.90, CCT: 4000, 5000K; Type 3 and Type 5, Beam angle, Wide, Medium, Narrow, Design Life (L70): 70,000 hrs, 5 year warranty

LED STREET LIGHTS

ST Series



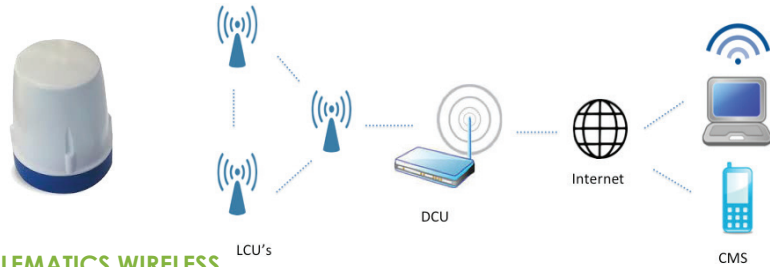
- Cobra Head Shape
- Toolless Entry
- 10 Yr Warrantanty

STA Series



Item	Wattage	Voltage	Lumen Output	Certifications
STA-30	30 W	100-277V, 0-10V Dim	3600 Lumens	ETL, DLC
STA-60	60 W	100-277V, 0-10V Dim	7200 Lumens	ETL, DLC
STA-90	90 W	100-277V, 0-10V Dim	10800 Lumens	ETL, DLC
STA-120	120 W	100-277V, 0-10V Dim	14400 Lumens	ETL, DLC

Efficacy: 120 Lm/w; CRI>70, PF>0.90, CCT: 3000, 4000, 5000K; IP65 Design Life (L70): 70,000 hrs, 10 year warranty, Wireless Control Option, Photocell, 3/5 Pin Nema Receptical, Type 2, 3, 5



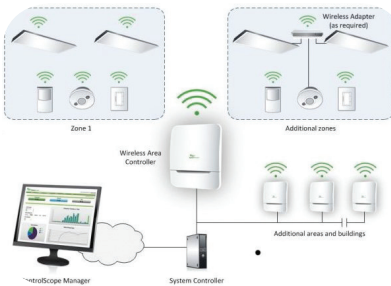
TELEMATICS WIRELESS

Wireless mesh network control of LED fixtures. Applications for Parking lot lights, Street lights, Campus wide site lights, Manufacturing and Warehouse highbay, Car dealers, etc. LCU's (Lighting Control unit) installed on LED fixtures communicate wirelessly with each other and the DCU (Data Communication Unit base station), which connects to the internet. Computers, tablets, and cell phones login to internet based CMS (Communication Management Software) to control lighting schedules. The LCU's receive signals for On/Off and dimming based on a preset schedule relative to sunrise and sunset times or fixed time schedules. Fixtures can be grouped with independent schedules.



WATT STOPPER - SENSORS

Integration of Watt Stopper Occupancy sensors and daylight harvesting sensors for additional energy reduction beyond LED load reductions. If spaces are not occupied or when natural light is available, lights are dimmed or turned off to reduce energy consumption.



ZIGBEE WIRELESS LED DRIVER

Coming soon. New USA LED wireless LED driver designed to integrate with USA LED Light bars and fixtures. Wireless Occupancy and daylight harvesting sensors communicate by Zigbee open source network protocol to control fixtures while the internet based control management system (CMS) provides scheduling and centralized control of all luminaires segmented by group or individual fixture.



LED FIXTURE WATTAGE: 60W
SOLAR ARRAY WATTAGE: 120W
BATTERY CAPACITY: 200 AH
RAINY DAY ALLOWANCE: 4 Days no sun
OPERATING TIME: 12 hrs / day, Late night Dimming



LED FIXTURE WATTAGE: 120W
SOLAR ARRAY WATTAGE: 240W
BATTERY CAPACITY: 400 AH
RAINY DAY ALLOWANCE: 4 Days no sun
OPERATING TIME: 12 hrs / day, Late night Dimming



LED FIXTURE WATTAGE: 12W
SOLAR ARRAY WATTAGE: 30W
BATTERY CAPACITY: 20 AH
RAINY DAY ALLOWANCE: 4 Days no sun
OPERATING TIME: 12 hrs / day, Late night Dimming



LED FIXTURE WATTAGE: 40 W
SOLAR ARRAY WATTAGE: 80W
BATTERY CAPACITY: 133AH
RAINY DAY ALLOWANCE: 4 Days no sun
OPERATING TIME: 12 hrs / day, Late night Dimming

BATTERY STORAGE / DEMAND REDUCTION SYSTEMS



Custom engineered energy storage systems designed to provide energy storage capacity for off grid LED lighting as well as to store power during non-peak hours and discharge during peak hours to reduce utility bill peak demand charges.

COMMERCIAL SOLAR PV SYSTEMS



TURN KEY SOLUTIONS

Design, permitting, procurement, installation, incentive processing, finance coordinations, and monitoring by Modern Solar with industry leading 20 Year Warranty



ROOF MOUNT

Ballasted and non-ballasted construction with wind safe engineering by Schletter



EFFICIENCY

Leading edge panel efficiency exceeding 18% at 300W per 60 cell panel from world class manufactures; Solar World, LG, and Axitec



GROUND MOUNT

Custom designed racking to fit any landscape topology from Schletter



INVERTERS

Power optimizing systems compliant with the 2017 NEC code enabling panel level shut off for fire safety integrated with internet based panel level production monitoring.



CARPORT

Custom designed structures that offer Architectural appeal for any parking lot engineered by Schletter



TRACKING SYSTEMS

Single and dual axle tracking systems offering 20% enhanced power production from continuous panel re-positioning for optimal sun exposure



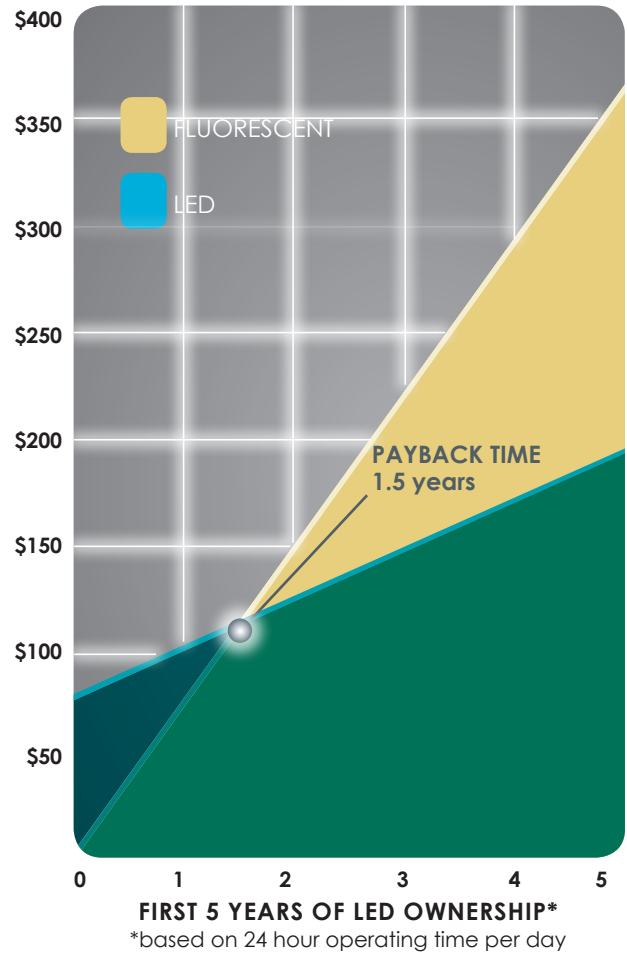
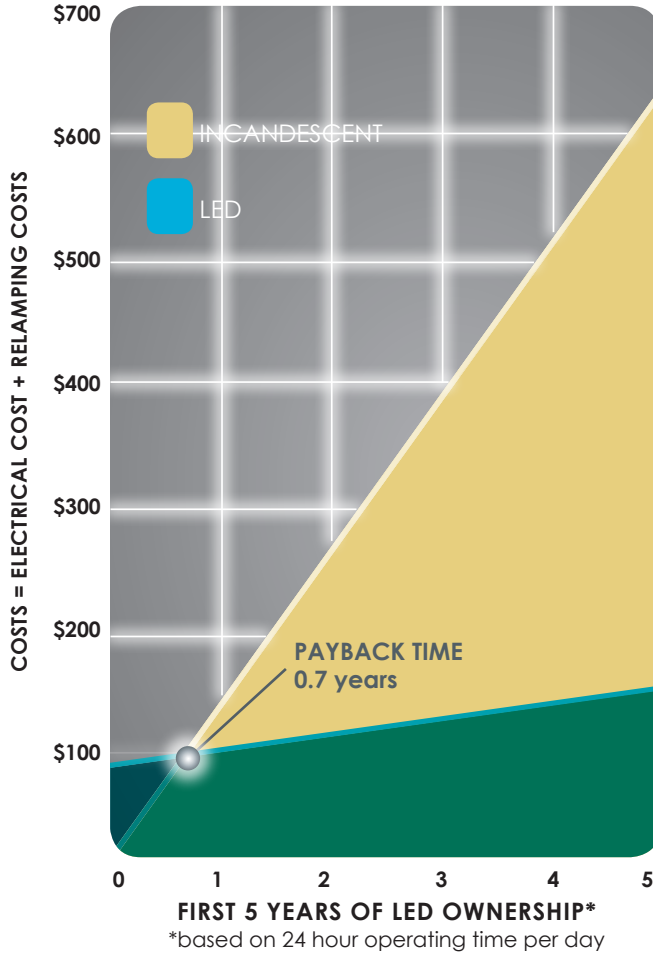
CAR CHARGING

Electrical car charging stations integrated into Solar system designs



Cumulative Cost of Ownership

LED lighting technology offers the lowest cost of ownership over time compared to Incandescent and fluorescent lighting. While the initial cost of the LED fixtures is higher, the operating costs are substantially lower due to the lower energy consumption and lower relamping costs during use. The yellow regions in the figures below represent the savings the LED owner enjoys versus Incandescent or fluorescent lighting.



Request a **FREE lighting audit** of your facility and receive a comprehensive quotation and payback analysis summarizing the cost of the LED installation and your projects estimated annual savings. With the conversion to USA LED lights, your decision will make a significant contribution to the profit of your business, provide maintenance free lighting for years to come, provide optimum functionality and appearance, pay for the investment within 1-3 years, and as an added benefit you will be contributing to the protection of our environment. **Now is the time to go LED!**



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