

MUNICIPAL LIGHTING SOLUTIONS



LED TROFFERS



RECESSED DOWNLIGHTS



ARCHITECTURAL SOLUTIONS



INDUSTRIAL



ATHLETIC



PARKS AND RECREATION POST TOPS



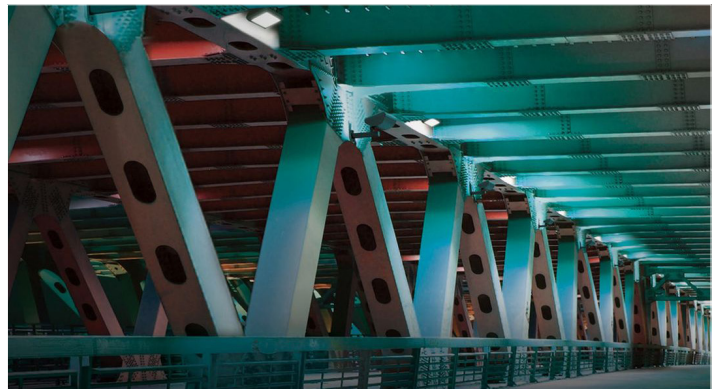
PATHWAY BOLLARDS



WATER FEATURES



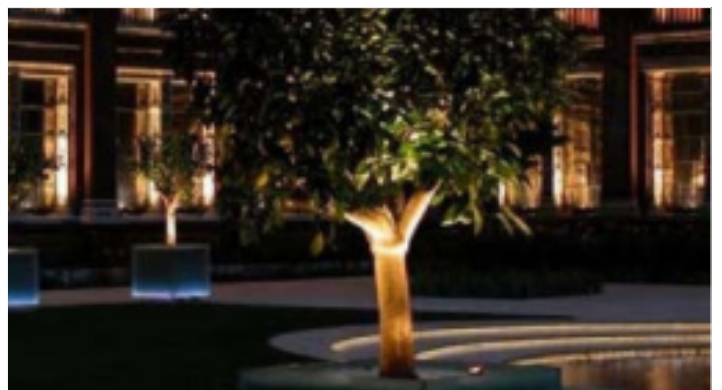
BRIDGE LIGHTING



IN GRADE LIGHTING



LANDSCAPE LIGHTING



EXTERIOR SITE LIGHTING - POST TOP, FLOOD, WALL PACKS, LANDSCAPE



52% Energy Savings

- \$155 Annual Savings Per Fixture compared to 400W MH (460 Watts)

Ratio LED

- Featuring Micro Strike Optics which maximizes target zone illumination with minimal losses at the house-side, reducing light trespass issues.



63% Energy Savings

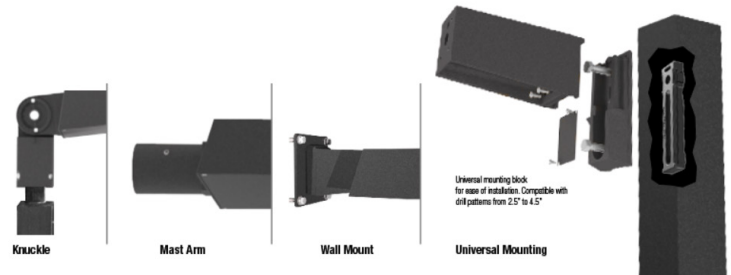
- \$233 Annual Savings Per Fixture compared to 750W MH (764 Watts)

Viper LED

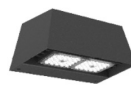
- The Beacon Viper luminaire is available in two sizes with a wide choice of different LED Wattage configurations and optical distributions designed to replace HID lighting up to 1000W MH or HPS. Luminaires are suitable for wet locations.

Ratio family of post top, wall and flood

				
Size	RAR1-80L	RAR1-160L	RAR2-320L	RAR2-480L
Lumens	3,000/6,000	9,000/18,000	15,000/21,000	24,000/48,000
Watts	25/50W	70-135W	110-165W	185-340W
LPW	120	129	136	136
Mounting	Arm & Knuckle	Arm & Knuckle	Arm & Knuckle	Arm & Knuckle
CCT	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K
Distributions	II, III, IV, V	II, III, IV, V	II, III, IV, V	II, III, IV, V
IP Rating	IP66	IP66	IP66	IP66
Legacy Equivalence	100-175W	175-400W	250-400W	400-750W



				
Size	RFL2	RFL3	RFL4	RFL5
Lumens	3,500	5,000/7,000	12,000/15,000	18,000/25,000/30,000
Watts	25W	40/50W	95/120W	130/190/265W
LPW	130	125/140	125/130	125/130/115
Mounting	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion	Knuckle, Trunnion
CCT	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K	3K, 4K, 5K
Distributions	N, M, W	N, M, W	N, M, W	N, M, W
IP Rating	IP66	IP66	IP66	IP66
Legacy Equivalence	100-150W	175-250W	250-400W	750W-1000W

		
Size	RWL1	RWL2
Lumens	1,000-5,000	6,000-19,500
Watts	10-45	45-155
LPW	136	148
CCT	3K, 4K, 5K	3K, 4K, 5K
Distributions	III, IV	II, III, IV
IP Rating	IP65	IP65
Legacy Equivalence	42W-175W	175W-400W

KIM IMPACT PAVILION -ENGINEERED SAFETY FOR YOUR STREETS AND PEDESTRIANS

DISTRIBUTION



PAVILION is an architectural solution for any project that would like to provide safety to pedestrians and property without the high security look. It can be configured for a wide range of applications: pedestrian walkways, crosswalks, bike paths, parking garages and mall parking lots. Pavilion delivers 5 IES distribution types: I, II, III, III with house side shield, IV, V.

ENGINEERED EXCELLENCE

DECORATIVE PAVILION BOLLARD SLEEVE



- 6 0" STEEL POST
- Provides the strength to resist impact
- TRESS BRACKET
- Centers the post in the hole allowing even distribution of concrete around the post.
- REBAR CAGE
- Reinforce the concrete

THE PAVILION IMPACT BOLLARD

Being offered in two 44" models: non-illuminated (blind) or illuminated. The illuminated version offers all of the options available with the standard Pavilion: six distributions, seven optical options, crowned or flat top, optional RGBW color ring and control option. A matching 44" standard version is available to match the Impact bollard to blend seamlessly with the rest of the project.

CRASH RATED VS SECURITY

Kim's impact bollard systems are full-scale crash tested by an independent accredited test agency to meet ASTM F3016 and proven safety solutions for stopping a 5,000-lb passenger truck at 10, 20, or 30 mph. These should not be confused with "engineered solutions" where calculations or finite element analyses are performed to estimate the bollard's performance. Full documentation is available showing these bollards have been real-world, dynamically tested to meet the rigorous criteria of ASTM F3016 and will perform as specified.

The IMPACT BOLLARD

meets the American Society for Testing and Materials (ASTM) S20 rated. The S20 rating from a nominal minimum test velocity of 20 mph with a permissible speed range of 19.0 to 27.4 mph for vehicles weighing up to 5000 pounds. This is the ideal solution for parking lots or walkway applications to protect pedestrians and property from errant vehicle traffic.



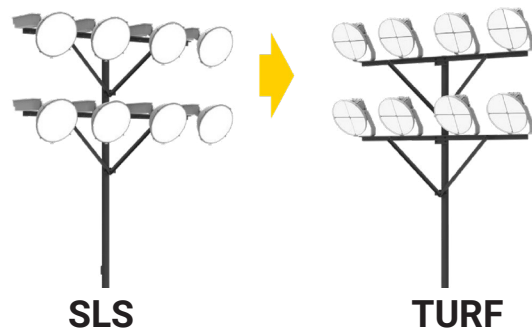
RETROFIT SPORT FIELDS WITH THE HUBBELL TURF SPORTS LIGHTER



TURF

SPORTS LIGHTER

The Turf Sports Lighter is designed to replace 1500W HID products 1 for 1 and even has the capability of reducing fixture count which can result in more than 54% energy savings. This doesn't include additional savings from reduction in maintenance costs and sustained lighting levels. Upgrading your sports lighting has never been so easy!



Designed to efficiently light recreational, collegiate, and professional events. Arena, sign, facade, area, accent, parking lot and general security lighting applications can also utilize the Turf Sports Lighter.

365DisInFx™

technology

UVA

UVC

Unique offerings to help in
disinfection strategy



LDU Downlight, LBU Recessed and AVU Linear

- Delivers low-dose UVA to inactivate bacteria on surfaces
- Integrated into various light fixtures
- Fixture light source available with wired or wireless controls
- Glass lens transmits UVA

Air Disinfection

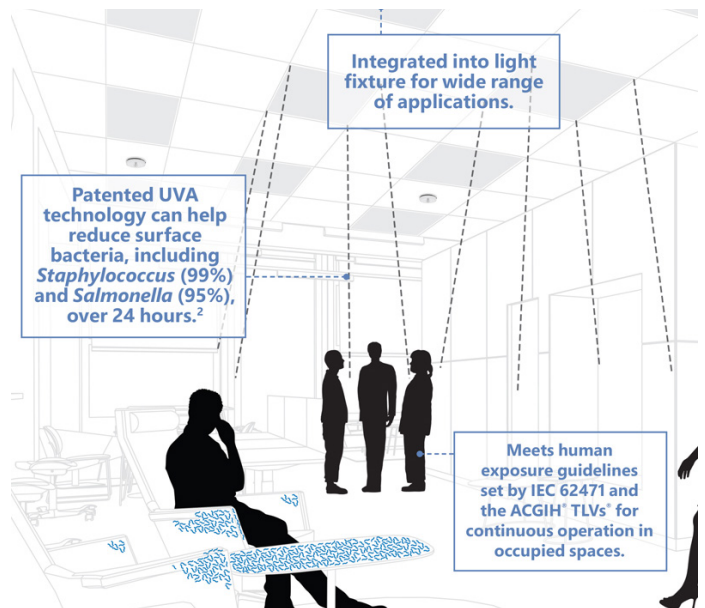
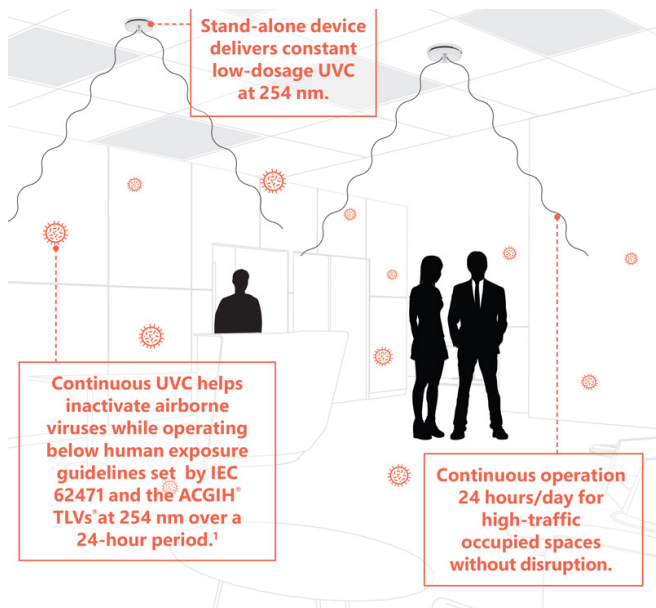
UVC solutions can help reduce viruses in air. Based on testing using a bacteriophage MS2 model system, Current predicts that 365DisInFx™ UVC technology will provide 99% inactivation with less than 6 hours of exposure for seasonal coronaviruses, including SARS-CoV-2, the virus that is known to cause COVID-19, when used as directed.

LPU Device

- Delivers low-dose UVC to inactivate aerosolized viruses
- An easy-to-apply device
- Small (5" diameter, 1.2" deep), easy to install and fits most ceiling designs
- Similar in appearance to a standard smoke detector

Surface Disinfection

UVA solutions can help reduce bacteria and fungi on surfaces. Our in vitro testing with eight hours of exposure has shown significant reductions in common pathogens associated with hospital acquired infections (HAIs), such as MRSA, Staphylococcus aureus, Enterococcus faecalis, Escherichia coli, Acinetobacter baumannii, Pseudomonas aeruginosa, Candida albicans and auris.



Disinfection Lighting for Occupied Spaces: 365DisInFx™

- LED-delivered solutions that help inactivate pathogens both in the air and on surfaces
- LED solutions designed to deliver 24-hour deactivation in occupied spaces
- Meets IEC 62471 standards and ACGIH® guidelines for 24-hour-a-day occupancy

365DisInFx™ UV technology addresses airborne pathogens and should be used in conjunction with proper PPE and cleaning protocols as part of a complete indoor disinfection strategy. If combining two or more UV solutions, please consult a trained product application representative to ensure the total irradiance (UV dose) does not exceed recommended human exposure limits. This may negatively impact inactivation rates.

Coming soon! Disinfectant Lighting to kill bacteria and virus'

Work with GS Lighting Group for your Renovation or Retrofit project, we can provide the Audit and Design Services to Produce documents for Procurement or Tender Bid.



SAVING ENERGY IS ALWAYS A BRIGHT IDEA.

Upgrade to new LED lighting with **saveONenergy** incentives to shorten payback periods, reduce maintenance costs, and cut operating costs.

OUR PROCESS AND PROCEDURE

Step 1 – Evaluation and Audit:

Our energy team will meet with your client group to understand your objectives and goals, your lighting requirements for user groups in each space and then audit existing lighting systems (wattages, voltage, lighting levels)

Step 2 – Education and Design:

GS Lighting Group will provide a design process that allows for a level of explanation and education on various lighting systems. We believe in providing clients clarity in the design process to facilitate an understanding of LED fixture technology and control options. Our design team will provide computer generated interior and exterior lighting designs plans on reflected building and site drawings, so you can visual future results. This process will provide you an expectation for installed results. We can provide educational seminars to your management group and supply samples for review.

Step 3 – The Proposal:

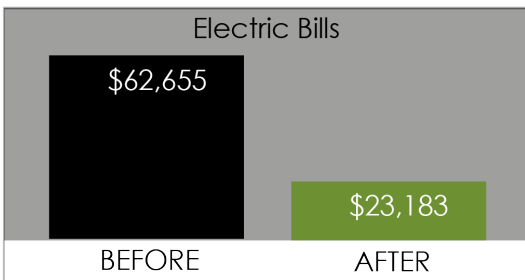
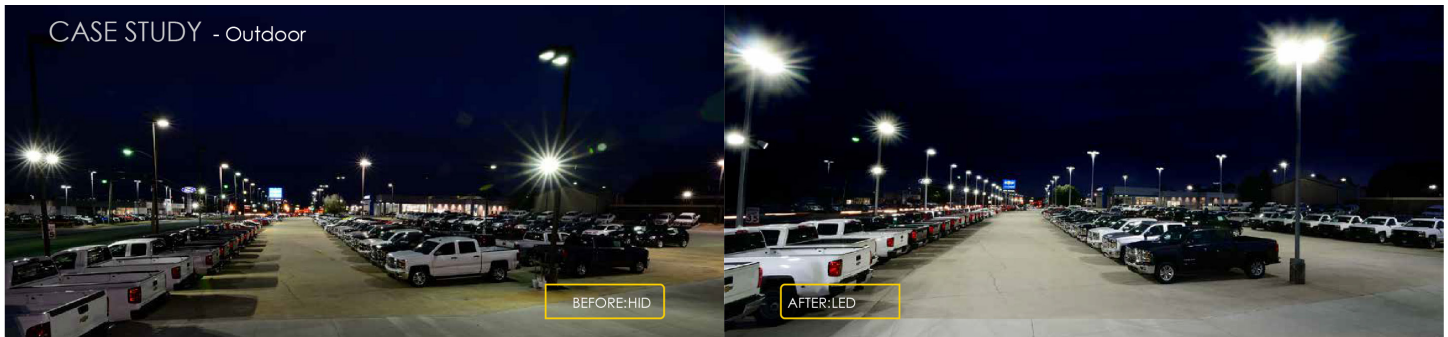
This step takes the above design to a ROI stage. We will provide you all the details. What your current installed lighting systems is, current lighting levels and current energy load. The proposal will provide the approved design, fixture specs, the expected design light levels and cost. Our proposal will breakdown a Return on Investment based on your energy reduction load.

Step 4 – Implementation:

Once you are certain that our proposal meets all your requirements and goals, we can help with the submitted IESO retrofit Save on Energy Program paperwork to help you submit your retrofit for approval and receive the rebates available. We can also work directly with the municipality on tender documents and support.

Step 5 – Installation:

We can provide you an option for a turnkey solution with a licenced and certified Electrical Contracting company.



Energy Savings: 62.6%

Prior to the retrofit, the dealership’s outdoor lighting consumed 626,546 kWh annually. After the LED retrofit, the electricity consumption fell to 234,183 kWh—or a 62.6% decline. When calculating that drop with a utility rate of \$0.10 per kWh, the dealership reduced its electricity bills from \$62,655 to an estimated \$23,183— an eye-opening \$39,472 in just one year.

GS Lighting Group, a division of Gross Sales Limited is proud to be celebrating over 25 years in the lighting business. Since 1990 we have a vision of supporting our clients with professional lighting services with leading lighting technology from all our manufacturing partners.

Why you should consider LED Retrofits

GS Lighting Group can help you achieve the following dramatic benefits without costly infrastructure changes.

- Reduce your hydro usage on Lighting by up to 70%
- Reduce long term maintenance and labour cost
- Improve employee satisfaction and productivity
- Improve light levels and quality
- Improve facility safety – interior and exterior
- Improve patient or resident comfort
- Improve doctor and nurse patient care
- Enable lighting control systems – dimming, motion / daylight sensors, etc.
- Reduce your carbon footprint
- Provide corporate stewardship on environmental concerns

up to 70% energy savings	up to 70% energy savings	up to 70% energy savings	up to 70% energy savings	up to 70% energy savings	Additional 10-20% reductions
OFFICE	PARKING LOT	SHOP	ATHLETIC/SPORT FIELD	STREET	CONTROLS
					

Book your Lighting Audit, Design Meeting or Lighting Seminar today.



GS Lighting Group Healthcare LED solutions Group

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