



TECHLIGHT

INNOVATION IN ILLUMINATION



SCIMITAR

LED TENNIS LIGHTING



The Overhead Smash Lighting Solution For Your Tennis Court



CASE STUDY & TESTIMONIALS



On-Site Applications

Techlight is a proud GOLD Sponsor of The Naples Ft. Myers Tennis Challenge in Bonita Springs, FL. The outstanding staff at the Bonita Bay Club where the tournament is held yearly collaborated with our staff to create a custom layout to meet their lighting needs and greatly reduce their energy consumption. In addition to providing the LED lighting for Courts 1, 2 and 3, we were proud and honored for the Scimitar fixture to be featured on their Championship court.



"We have seen our night play increase 100% because of the LED lights from Techlight. The lights are truly amazing! We now have members that will not play in the evening, unless they are on one of the Techlight LED courts. Lastly, the Techlight team is so driven to exceed your expectations. Their service, products and inventiveness are uniquely unparalleled in this industry. Thank you Techlight for making a difference at Bonita Bay Club!"

Paula Scheb Bonita Bay Club
Director of Tennis/ USPTA Master Professional

Why Choose Galvanizing with Powder Coat Paint Process for your Poles?

LONG MAINTENANCE-FREE SERVICE LIFE

The **galvanizing process** has been refined and enhanced over the last 200 years. It represents the absolute best way to protect steel and ensure long-lasting, corrosion-free performance. Less costly than materials such as stainless steel and aluminum, galvanized steel delivers a significantly lower life cycle cost and requires no appreciable coating maintenance once installed. In addition to being 100% recyclable, galvanized steel represents a sustainable material option that emits no volatile organic compounds or hazardous air pollutions in the treatment process.



PERFORMANCE OF GALVANIZED POLES

Our **automated Galvanized coatings** have a proven performance under numerous environmental conditions. The corrosion resistance of zinc coatings is determined primarily by the thickness of the coating but varies with the severity of environmental conditions.

The **predictability of the lifetime** of a coating is important for planning and financing required maintenance. Measurements of the actual rate of consumption of the galvanized coating during the first few years of service often provide good data for projecting remaining life until first maintenance. Due to the buildup of zinc corrosion products, which in many environments are adherent and fairly insoluble, the corrosion rate may slow as time progresses. Therefore, predictions of time to first maintenance that are based on initial corrosion rates of zinc coatings are often conservative.

Environments in which galvanized steel and iron are commonly used include indoor and outdoor atmospheres, the storage of hundreds of different chemicals, in freshwater, seawater, soils and/or concrete. Because of the many years galvanizing has been used for corrosion protection, a wealth of real-world, long-term exposure data on zinc coating performance in a wide variety of environments is available.

SURFACE PREPARATION

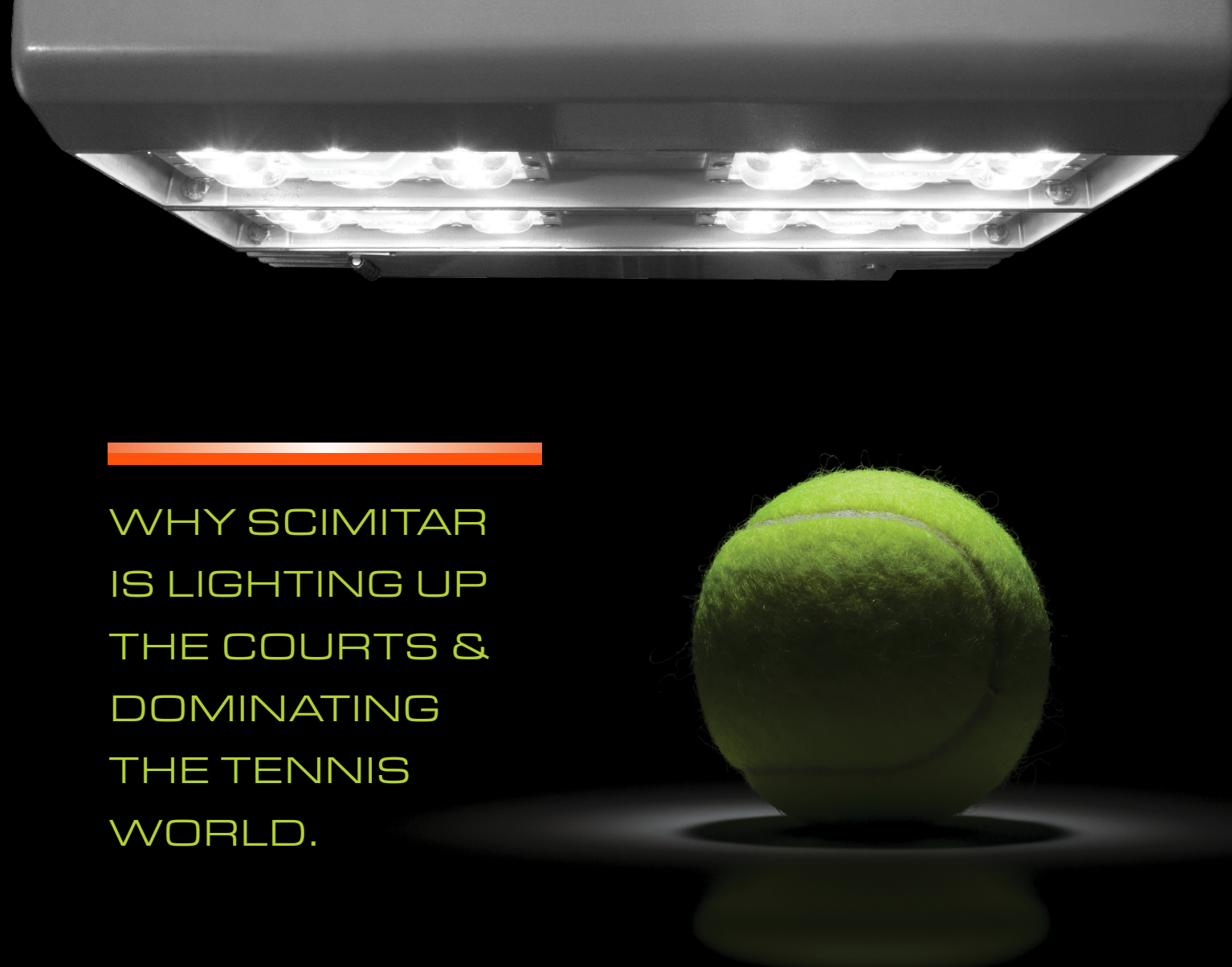
Our **automated overhead conveyor system** uses a wheelabrator system for the cleansing of all our poles. This 4 wheel system produces 4000 shots per second from four different angles effectively removing all mill scale rust and leaving "white metal". As the pole exits the wheelabrator stage, all by-products are blown off with our high powered air compressors.

INTERNAL COATING

Techlight offers an optional **T-Guard Protection Internal Coating**. After the powder coating process has been completed, our T-Guard internal coating process begins. TGuard is used to protect steel against atmospheric corrosion in industrial environments. The coating is capable of passing 1000 hours of salt spray exposure because of its special corrosion inhibitors. Recommended for use where marginal surface preparation requires a penetrating type primer. After the inside of the pole has received a thorough cleaning, a high quality rust inhibitive steel primer is applied that conforms to ASTM-B-117. With the additional purchase of the T-Guard coating, Techlight is proud to extend our standard warranty to 5 years from date of purchase*.

GALVANIZING

For areas that require extra protection against the elements, Techlight offers an optional galvanized coating option. Galvanization is a chemical process used to keep steel from corroding. Before powder coating the pole, we dip all metal surfaces (internal and external) into a hot galvanization bath that allows for the molten zinc and steel to form a barrier acting as a shield for the steel surface. With the additional purchase of a galvanized coating, Techlight is proud to extend our standard warranty to 10 years from date of purchase*.



WHY SCIMITAR IS LIGHTING UP THE COURTS & DOMINATING THE TENNIS WORLD.

ABOUT THE SCIMITAR

The Scimitar High Lumen Output LED Tennis Light is the “go to” LED light fixture to replace existing high wattage systems. Where other LED fixtures on the market fail to deliver the light levels needed for high output applications, the Scimitar surpasses traditional lighting solutions and leads the LED market in output.

The heavy duty casting provides exceptional thermal control to extend LED life and makes the Scimitar the most robust, long-lasting fixture available. A corrosion-resistant E-Coat layer forms a uniform and all encompassing protective barrier ensuring the final powdercoat finish will remain top

quality throughout the life of the fixture. State-of-the-art TIR optical assemblies are designed specifically for tennis court lighting. High quality LED light allows colors to appear crisper and visual acuity will be enhanced for active sports applications such as tennis courts.

The Scimitar has been tested in an independent laboratory to LM79 and LM80 test standards and is RoHS compliant. The long life LED's are rated for over 50,000 hours of life and the fixture is backed by a 5-Year Limited Warranty.



CASAMBI

LIGHTING CONTROL FOR THE MODERN WORLD

Smart

Blue-Tech devices are smart on their own. All the intelligence is replicated in each node, leaving no single point of failure. The system itself is self-healing and in constant synchronization. In this kind of fully distributed and symmetric architecture any unit can go offline and catch up from others when they return back online.

Connected

Blue-Tech devices are connected when needed. An Internet connection is not necessary. Bluetooth Low Energy is already implemented in smartphones and tablets, so communication between the user interface and the network of luminaires can be done without any additional gateways.

User Friendly

The system is intuitive. You do not need any new wiring, switches, devices or networks. Plug in the lighting fixture and pair it with your phone or tablet. No other configurations by a professional technician are needed.

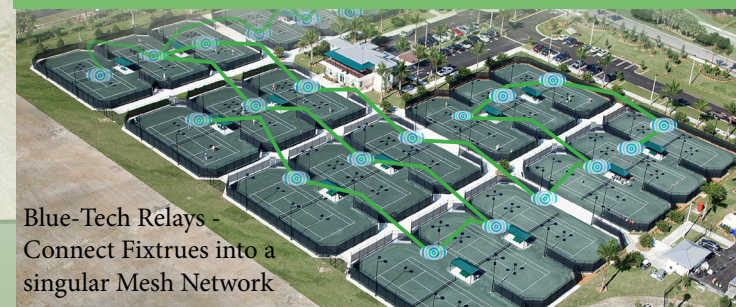


ADVANCED

Internet Controlled:

The most advanced system would be the PCR7 based Synapse wi-fi based system using the twistlock lighting controller.

These controls along with the site controllers and the Synapse Snap software interface allow full control and data harvesting from any site. Other sensors can be integrated into the mesh network as well as switches for manual operation.



Blue-Tech Relays -
Connect Fixtures into a
singular Mesh Network

LESS ADVANCED

Motion Based Control:

The Wattstopper motion activated sensors could be used for tennis facilities if you only need the lighting to operate only when players are present.

You could set them to turn on at first motion and stay on for a period of time say 2 hours then dim to 30% and finally shutoff if nobody is present.

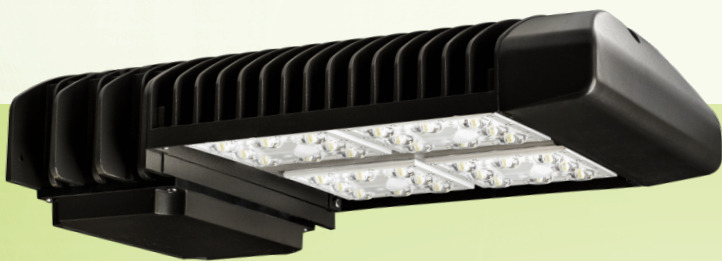
Each sensor acts independently so all of the lights would need to be triggered by the players movement on the court. They do have a photocell which would need to be turned on and set so the motion would not activate the lights during the daytime light hours.

This system has no clock or day of the week functionality so it is truly the most rudimentary system for tennis. Mostly for unattended play in a municipal park or school setting.

SCIMITAR CONFIGURATIONS

FINALLY, LESS IS MORE!

Exceptional performance allows the use of fewer fixtures to get the same job done.



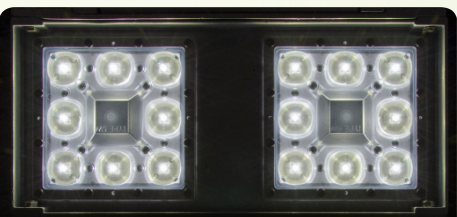
LSMT 4-BRICK

The 4 brick Scimitar is truly the workhorse for the tennis industry. At over 60,000 lumens and 588 system watts, a 4 brick Scimitar will replace an existing 1000W metal halide and virtually cut energy usage in half.



LSMT 6-BRICK

Looking to upgrade your light levels to a higher class? The 6 brick Scimitar emits over 90,000 lumens! You can now increase your light levels without adding additional poles or reduce the number needed for new construction.



HIGH LUMEN OUTPUT LED

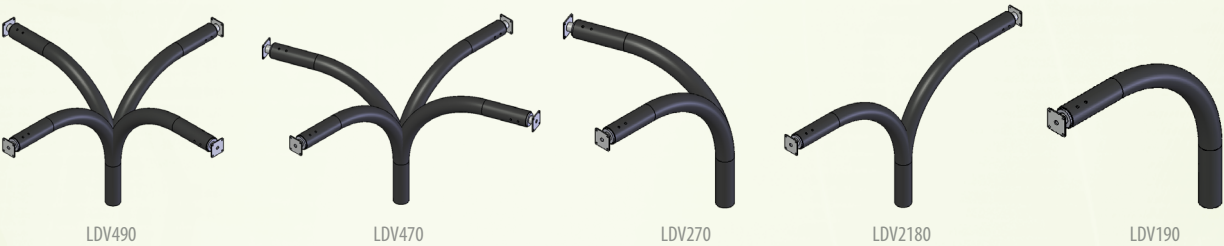
Powered by Cree's ground breaking SC5 Technology™ Platform, the XLamp XHP70 LED is a member of Cree's Extreme High Power (XHP) class of LEDs that redefines lumen density and reliability to radically reduce system costs by up to 40 percent. At its maximum current, the XHP70 LED delivers twice the light output of the industry's brightest single-die LED, the XLamp MK-R LED, at a similar lumens per watt and without increasing the package footprint.

The XHP70 LED also achieves longer lifetime at higher operating temperatures. The overall result is significantly lower thermal, mechanical and optical costs at the system level.

POLES AND BRACKETS

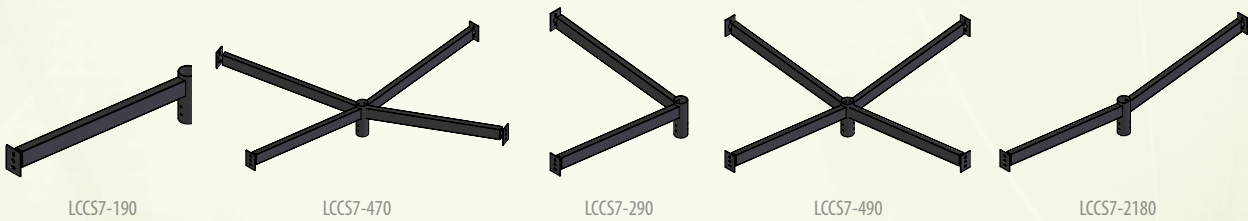
DAVIT ARMS

Techlight's DV series of Davit Arm pole brackets were designed to mount on the industry standard 3-1/2" OD tenon. The heavy duty brackets are made of 4" round steel tubing for a smooth transition from pole to fixture.



CCS ARMS

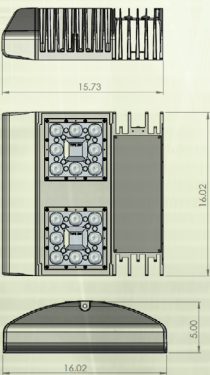
The CCS series of pole brackets give a full 48" extension of the fixture away from the pole. They are designed with a 7 degree upwards tilt to get maximum forward through towards the tennis court.



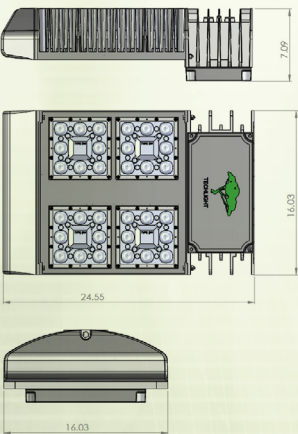
LUMINAIRE CHARACTERISTICS
1400 MA DRIVE CURRENT

With a variety of output options and color temperatures to choose from, the Scimitar will provide exceptional performance for any level of play.

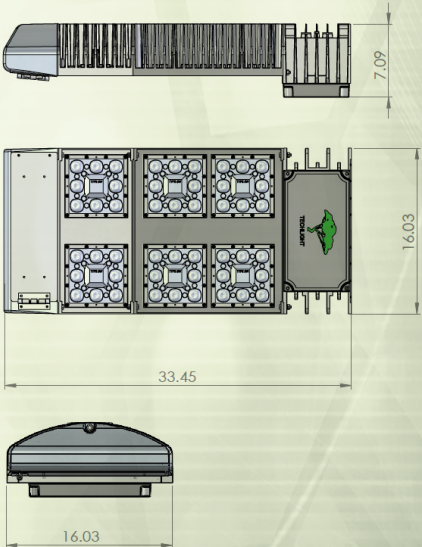
2-BRICK UNIT



4-BRICK UNIT



6-BRICK UNIT



# of LED Bricks	Drive Current	Color Temp	Delivered Lumens									System Wattage	L70 @ 25°C	Amperage Draw					
			TYPE II	TYPE III	TYPE IV	TYPE 4A	TYPE 4T	FAW	TYPE 5N	TYPE 5M	TYPE 5W			120V	208V	240V	277V	347V	480V
1 BRICK	1400 mA	Cool White (5000K)	15786 B3 U0 G3	15537 B3 U0 G3	17391 B3 U0 G3	17025 B3 U0 G2	16343 B3 U0 G1	16406 B3 U0 G3	18165 B5 U0 G1	18352 B4 U0 G1	16474 B4 U0 G2	140	>50K	1.17 A	0.68 A	0.59 A	0.51 A	0.41 A	0.30 A
2 BRICK	1400 mA	Cool White (5000K)	31573 B3 U0 G3	31074 B3 U0 G4	34783 B4 U0 G4	34051 B4 U0 G3	32686 B4 U0 G2	32812 B3 U0 G3	36331 B5 U0 G2	36703 B5 U0 G1	32949 B5 U0 G4	280	>50K	2.34 A	1.35 A	1.17 A	1.02 A	0.81 A	0.59 A
4 BRICK	1400 mA	Cool White (5000K)	63143 B4 U0 G5	62149 B4 U0 G5	69566 B5 U0 G5	68102 B5 U0 G4	65372 B5 U0 G3	65624 B4 U0 G5	72661 B5 U0 G3	73407 B5 U0 G2	65897 B5 U0 G5	560	>50K	4.67 A	2.70 A	2.34 A	2.03 A	1.62 A	1.17 A
6 BRICK	1400 mA	Cool White (5000K)	94718 B5 U0 G5	93223 B5 U0 G5	104349 B5 U0 G5	102153 B5 U0 G4	98058 B5 U0 G4	98436 B5 U0 G5	108992 B5 U0 G4	110110 B5 U0 G2	98846 B5 U0 G5	840	>50K	7.00 A	4.04 A	3.50 A	3.04 A	2.43 A	1.75 A
1 BRICK	1400 mA	Neutral White (4100K)	15179 B3 U0 G3	14940 B3 U0 G3	16723 B3 U0 G3	16371 B3 U0 G2	15715 B3 U0 G1	15775 B3 U0 G3	18165 B5 U0 G1	18352 B4 U0 G1	16474 B4 U0 G2	140	>50K	1.17 A	0.68 A	0.59 A	0.51 A	0.41 A	0.30 A
2 BRICK	1400 mA	Neutral White (4100K)	30358 B3 U0 G3	29879 B3 U0 G4	33445 B4 U0 G4	32741 B4 U0 G3	31429 B4 U0 G2	31550 B3 U0 G3	34933 B5 U0 G2	35292 B5 U0 G1	31681 B5 U0 G4	280	>50K	2.34 A	1.35 A	1.17 A	1.02 A	0.81 A	0.59 A
4 BRICK	1400 mA	Neutral White (4100K)	60717 B4 U0 G5	59759 B4 U0 G5	66890 B5 U0 G5	65483 B5 U0 G4	62858 B5 U0 G3	63100 B4 U0 G5	69867 B5 U0 G3	70583 B5 U0 G2	63363 B5 U0 G5	560	>50K	4.67 A	2.70 A	2.34 A	2.03 A	1.62 A	1.17 A
6 BRICK	1400 mA	Neutral White (4100K)	91075 B5 U0 G5	89638 B5 U0 G5	100335 B5 U0 G5	98224 B5 U0 G4	94287 B5 U0 G4	94650 B5 U0 G5	104800 B5 U0 G4	105875 B5 U0 G2	95044 B5 U0 G5	840	>50K	7.00 A	4.04 A	3.50 A	3.04 A	2.43 A	1.75 A
1 BRICK	1400 mA	Warm White (3000K)	14117 B3 U0 G3	13895 B3 U0 G3	15553 B3 U0 G3	15226 B3 U0 G2	14615 B3 U0 G1	14671 B3 U0 G3	16894 B5 U0 G1	17068 B4 U0 G1	15321 B4 U0 G2	140	>50K	1.17 A	0.68 A	0.59 A	0.51 A	0.41 A	0.30 A
2 BRICK	1400 mA	Warm White (3000K)	28233 B3 U0 G3	27788 B3 U0 G4	31104 B4 U0 G4	30450 B4 U0 G3	29229 B4 U0 G2	29342 B3 U0 G3	32488 B5 U0 G2	32822 B5 U0 G1	29464 B5 U0 G4	280	>50K	2.34 A	1.35 A	1.17 A	1.02 A	0.81 A	0.59 A
4 BRICK	1400 mA	Warm White (3000K)	56467 B4 U0 G5	55576 B4 U0 G5	62208 B5 U0 G5	60900 B5 U0 G4	58458 B5 U0 G3	58683 B4 U0 G5	64977 B5 U0 G3	65643 B5 U0 G2	58928 B5 U0 G5	560	>50K	4.67 A	2.70 A	2.34 A	2.03 A	1.62 A	1.17 A
6 BRICK	1400 mA	Warm White (3000K)	84700 B5 U0 G5	83364 B5 U0 G5	93312 B5 U0 G5	91349 B5 U0 G4	87687 B5 U0 G4	88025 B5 U0 G5	97464 B5 U0 G4	98464 B5 U0 G2	88391 B5 U0 G5	840	>50K	7.00 A	4.04 A	3.50 A	3.04 A	2.43 A	1.75 A



TECHLIGHT
GROUNDED IN LIGHTING

For additional information,
please contact us at **800.225.0727**
or find your local sales representative at
www.techlight.com



Our Lights are DesignLights Consortium® Qualified.

The DesignLights Consortium™ promotes quality, performance and energy efficient commercial sector lighting solutions through collaboration among its federal, regional, state, utility, and energy efficiency program members, luminaire manufacturers, lighting designers, and other industry stakeholders throughout the US and Canada. Please go to www.designlights.org or the current Qualified Products List. Further details about qualified models may be found under Family Models.

All of Techlight's products meet Federal ARRA (American Recovery and Reinvestment Act) Guidelines and are proudly engineered and manufactured in the USA.



TECHLIGHT • 2707 SATSUMA DR. • DALLAS, TX 75229 • PH: 800.225.0727 • FX: 214.350.0591

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