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.

PERFOMANCE 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

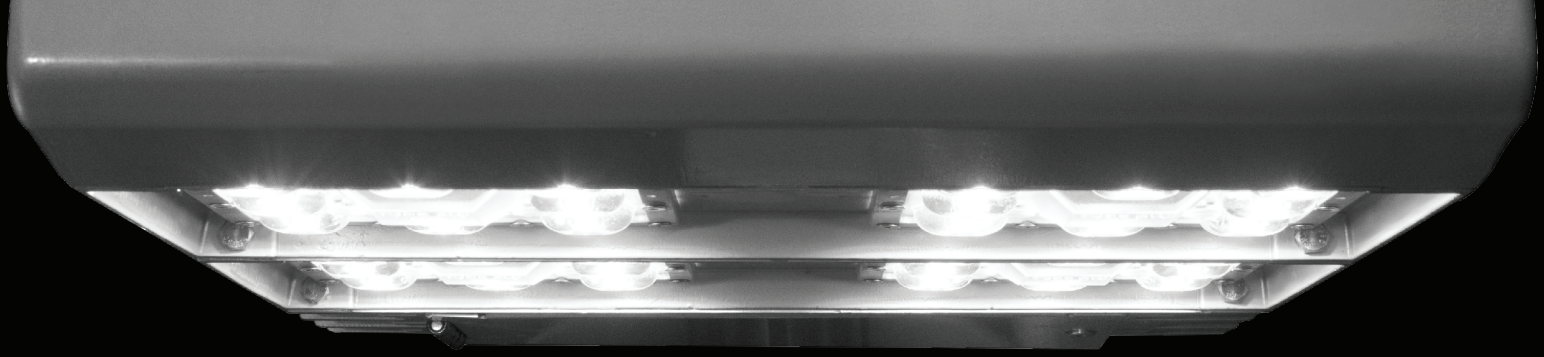
Our automated overhead conveyor system uses a wheelabration system for the cleansing of all our poles. This 4 wheel system produces 4000 shots per second from four different angles effectively removing all mill scale rust and leaving “white metal”. As the pole exits the wheelabration stage, all by-products 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 ASTMB-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 Fixtrues 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-Module

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

LSMT 6-Module

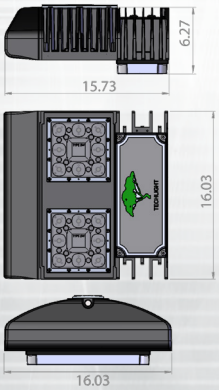
Looking to upgrade your light levels to a higher class? The 6 module Scimitar emits over 90,000 lumens! You can now increase your light levels without adding additional poles or reduce the number needed for new construction.

HIGH LUMEN OUTPUT LED

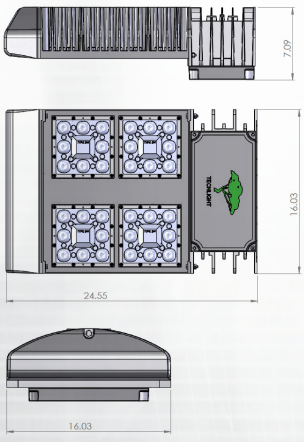
Powered by arrays of Seoul Semiconductor's WICOP-22 Series, the Y22 LED is a compact high-flux density emitter delivering maximum performance and reliability with at a reduced cost of up to 40%. At its maximum current, the Y22 delivers twice the light output compared to packaged domed LED array packages that other manufactures supply in their luminaires. The Y22 is at the forefront with today's LED technology delivering years of reliable color and lumen output proven by LM80 testing standards.

Seoul Semiconductor's Y22 is designed to achieve reliable maintained lumen output at higher operating temperatures compared to other LED manufacturers. Combined with the Simitar's refined heatsink design, it is a perfect solution for outdoor luminaires that may operate in extremely hot environments during those hot summer months without any accelerated degrading permanent damage to the LEDs. The overall results are significantly lower thermal, mechanical and optical costs at the system level. A truly reliable solution.

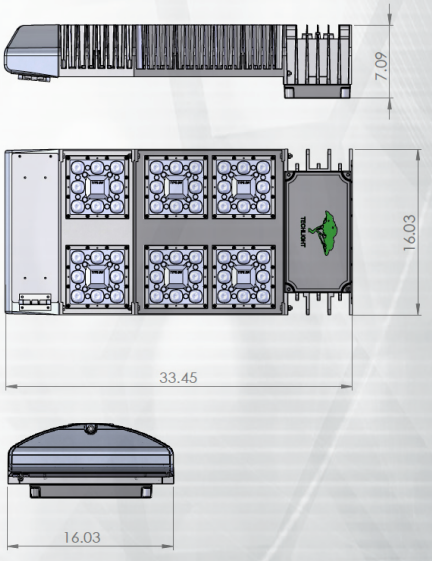
2-MODULE UNIT



4-MODULE UNIT



6-MODULE UNIT



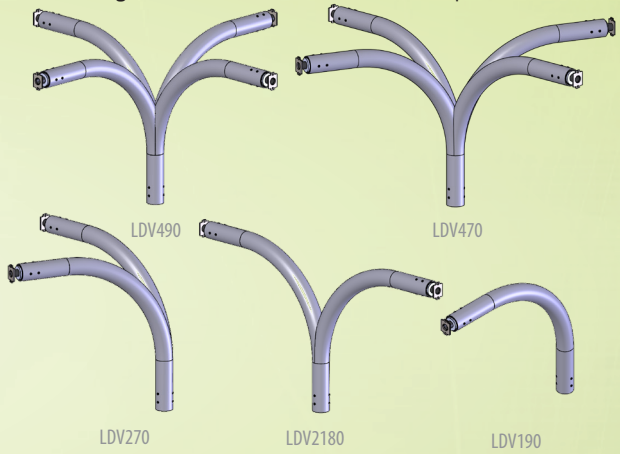
POLES AND BRACKETS

		T3	T4	T4T	T5W
2 Module Unit	23L	22,339 Lm 157W | 142 Lm/W B3-U0-G3	23,364 Lm 147W | 159 Lm/W B3-U0-G3	24,052 Lm 147W | 164 Lm/W B3-U0-G2	23,687 Lm 147W | 161 Lm/W B5-U0-G3
	25L	24,907 Lm 179W | 139 Lm/W B3-U0-G3	24,806 Lm 157W | 158 Lm/W B3-U0-G3	25,537 Lm 157W | 163 Lm/W B3-U0-G2	25,149 Lm 157W | 160 Lm/W B5-U0-G3
	28L	27,436 Lm 200W | 137 Lm/W B3-U0-G3	27,658 Lm 179W | 155 Lm/W B3-U0-G3	27,743 Lm 173W | 160 Lm/W B4-U0-G3	27,322 Lm 173W | 158 Lm/W B5-U0-G3
	30L	29,926 Lm 222W | 135 Lm/W B3-U0-G3	29,769 Lm 195W | 153 Lm/W B3-U0-G3	29,924 Lm 190W | 158 Lm/W B4-U0-G3	30,180 Lm 195W | 155 Lm/W B5-U0-G4
	33L	32,375 Lm 244W | 133 Lm/W B3-U0-G4	32,544 Lm 217W | 150 Lm/W B4-U0-G3	32,792 Lm 211W | 155 Lm/W B4-U0-G3	32,294 Lm 211W | 153 Lm/W B5-U0-G4
	35L	35,382 Lm 271W | 131 Lm/W B3-U0-G4	35,275 Lm 238W | 148 Lm/W B4-U0-G3	34,914 Lm 227W | 154 Lm/W B4-U0-G3	35,075 Lm 233W | 151 Lm/W B5-U0-G4
	38L	37,743 Lm 293W | 129 Lm/W B4-U0-G4	37,962 Lm 260W | 146 Lm/W B4-U0-G4	37,703 Lm 249W | 151 Lm/W B4-U0-G3	37,810 Lm 255W | 148 Lm/W B5-U0-G4
	40L	40,064 Lm 316W | 127 Lm/W B4-U0-G4	39,949 Lm 277W | 144 Lm/W B4-U0-G4	39,765 Lm 266W | 150 Lm/W B4-U0-G3	39,833 Lm 271W | 147 Lm/W B5-U0-G4
	43L	43,381 Lm 304W | 143 Lm/W B4-U0-G4	42,560 Lm 299W | 142 Lm/W B4-U0-G4	42,475 Lm 288W | 148 Lm/W B4-U0-G3	42,490 Lm 293W | 145 Lm/W B5-U0-G4
	45L	45,970 Lm 326W | 141 Lm/W B4-U0-G4	45,126 Lm 321W | 141 Lm/W B4-U0-G4	45,139 Lm 310W | 146 Lm/W B4-U0-G3	45,104 Lm 316W | 143 Lm/W B5-U0-G4
4 Module Unit	50L	49,815 Lm 358W | 139 Lm/W B4-U0-G5	49,612 Lm 315W | 158 Lm/W B4-U0-G4	49,591 Lm 304W | 163 Lm/W B4-U0-G3	50,298 Lm 315W | 160 Lm/W B5-U0-G5
	55L	54,873 Lm 401W | 137 Lm/W B4-U0-G5	55,317 Lm 358W | 155 Lm/W B4-U0-G4	55,486 Lm 347W | 160 Lm/W B5-U0-G3	54,644 Lm 347W | 158 Lm/W B5-U0-G5
	60L	59,851 Lm 444W | 135 Lm/W B4-U0-G5	59,537 Lm 390W | 153 Lm/W B4-U0-G5	59,848 Lm 380W | 158 Lm/W B5-U0-G3	60,360 Lm 390W | 155 Lm/W B5-U0-G5
	65L	64,751 Lm 488W | 133 Lm/W B4-U0-G5	65,088 Lm 434W | 150 Lm/W B5-U0-G5	65,584 Lm 423W | 155 Lm/W B5-U0-G3	64,589 Lm 423W | 153 Lm/W B5-U0-G5
	70L	69,571 Lm 532W | 131 Lm/W B5-U0-G5	70,550 Lm 477W | 148 Lm/W B5-U0-G5	69,827 Lm 455W | 154 Lm/W B5-U0-G4	70,149 Lm 466W | 151 Lm/W B5-U0-G5
	75L	75,485 Lm 587W | 129 Lm/W B5-U0-G5	74,589 Lm 510W | 146 Lm/W B5-U0-G5	75,405 Lm 499W | 151 Lm/W B5-U0-G4	75,620 Lm 510W | 148 Lm/W B5-U0-G5
	80L	80,127 Lm 632W | 127 Lm/W B5-U0-G5	79,898 Lm 554W | 144 Lm/W B5-U0-G5	79,530 Lm 532W | 150 Lm/W B5-U0-G4	79,665 Lm 543W | 147 Lm/W B5-U0-G5
	85L	84,187 Lm 618W | 136 Lm/W B5-U0-G5	85,119 Lm 598W | 142 Lm/W B5-U0-G5	84,949 Lm 576W | 148 Lm/W B5-U0-G4	84,981 Lm 587W | 145 Lm/W B5-U0-G5
	90L	89,777 Lm 667W | 135 Lm/W B5-U0-G5	90,252 Lm 643W | 140 Lm/W B5-U0-G5	90,279 Lm 620W | 146 Lm/W B5-U0-G4	90,207 Lm 632W | 143 Lm/W B5-U0-G5
6 Module Unit	95L	95,300 Lm 715W | 133 Lm/W B5-U0-G5	95,562 Lm 634W | 151 Lm/W B5-U0-G5	94,091 Lm 601W | 157 Lm/W B5-U0-G4	94,777 Lm 618W | 153 Lm/W B5-U0-G5
	100L	100,756 Lm 765W | 132 Lm/W B5-U0-G5	99,692 Lm 667W | 150 Lm/W B5-U0-G5	100,506 Lm 651W | 154 Lm/W B5-U0-G4	98,981 Lm 651W | 152 Lm/W B5-U0-G5
	110L	109,701 Lm 847W | 130 Lm/W B5-U0-G5	109,873 Lm 748W | 147 Lm/W B5-U0-G5	111,029 Lm 732W | 152 Lm/W B5-U0-G4	109,344 Lm 732W | 149 Lm/W B5-U0-G5
	120L	120,191 Lm 948W | 127 Lm/W B5-U0-G5	119,847 Lm 831W | 144 Lm/W B5-U0-G5	119,294 Lm 798W | 150 Lm/W B5-U0-G4	119,498 Lm 814W | 147 Lm/W B5-U0-G5
	130L	N/A	129,616 Lm 914W | 141 Lm/W B5-U0-G5	129,435 Lm 881W | 147 Lm/W B5-U0-G4	129,444 Lm 897W | 144 Lm/W B5-U0-G5
	140L	N/A	N/A	139,364 Lm 964W | 145 lm/W B5-U0-G5	137,250 Lm 964W | 142 Lm/W B5-U0-G5

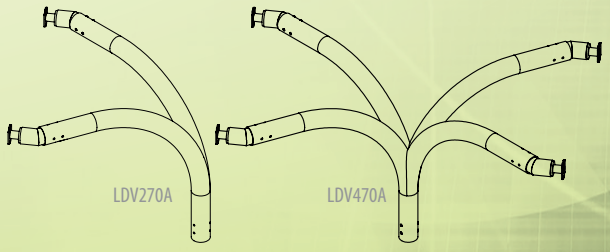
With a variety of output options and color temperatures to choose from, the Scimitar will provide exceptional performance for any level of play.

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.

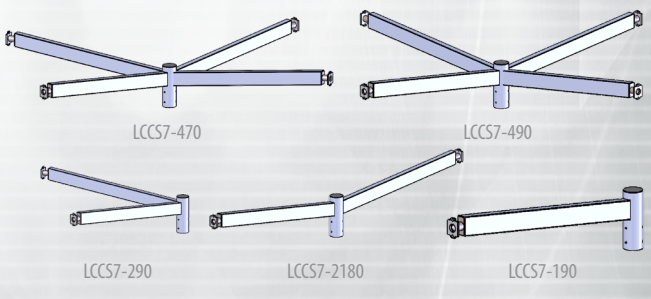


ANGLED DAVIT ARMS



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.



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For additional information,
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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.

Buy American Act & the American Recovery and Reinvestment Act

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

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