



AEROSYSTEM®

*lsi*  
Courtsider  
Sports Lighting™

## THERE'S A NEW STAR ON THE COURT

LSI Courtsider Sports Lighting, the innovator in tennis court lighting, introduces its newest star - the Aerosystem. More than just a light fixture, the Aerosystem has been designed from the ground up to create a new spin in tennis court lighting.

The Aerosystem breaks new ground in aesthetics, construction, and function-ality. Departing from the dated "shoebox" look, the

Aerosystem presents a distinctive and progressive, yet low profile appearance. LSI Courtsider has thoroughly simplified the assembly of the lighting structure with the Aerosystem's advanced modular mounting design. The die-cast construction of the Aerosystem fixture provides unparalleled durability, and is available in a selection of appealing finishes to complement the court environment.

In addition to its dazzling appearance, the Aerosystem performs like a star. The Aerosystem provides brilliant, glare-free illumination for players, with precise light control and minimal light spillage outside of the court area. Unlike traditional floodlighting systems, which produce harsh glare, the Aerosystem creates a low impact, environmentally friendly lighting effect. The Aerosystem is the perfect lighting choice for high schools, universities, resorts, country clubs, condominium complexes, and private residences.

Powerful performance and smashing sleek aesthetics make the Aerosystem a sure courtside winner.



## THE AEROSYSTEM APPROACH

## — ACHIEVE THE HIGHEST LIGHT QUALITY

### ***Pole & Fixture Placement***

Installing the Aerosystem courtside removes the light source from the player's normal line of vision. This placement provides excellent illumination on the flight of the tennis ball, and the surface of the court. In general, proper lighting of the ball requires pole placement on the sides of the court which are near, or behind the baseline of the court. (see standard layouts)

### ***Fixture***

The Aerosystem's Forward Throw reflector and concealed light source provide a sharp cutoff to prevent disabling glare and unwanted spill light. Its Metal Halide lamp source promotes energy efficiency and longer life. This combination insures economic operation and minimal maintenance costs.

### ***Fixture Mounting Height***

At a mounting height of 22 feet, the Aerosystem effectively distributes the proper amount of light on the court and eliminates stray light to surrounding areas. The low fixture mounting height is more visually appealing, and provides easier accessibility

for relamping. Lob shots over 22' are illuminated by the light reflected from the court surface.

### ***Quantity of Light***

A rapidly moving tennis ball requires relatively high levels of illumination, and will vary according to the caliber of play at the facility. The standard layouts provided by LSI Courtsider Sports Lighting are designed for specific levels of play. Each system uses the proper number of poles and fixtures to produce the proper amount of light for the level of play.

### ***Uniformity of Light***

The tennis ball is easier to follow under uniform lighting conditions. The optical design and pole / fixture placement of the Aerosystem insures an even light distribution over the entire court area.

### ***Customized Foot-candle Chart***

A customized foot-candle chart, illustrating the Aerosystem for your project, is available upon request. Contact LSI Courtsider Sports Lighting for more details.

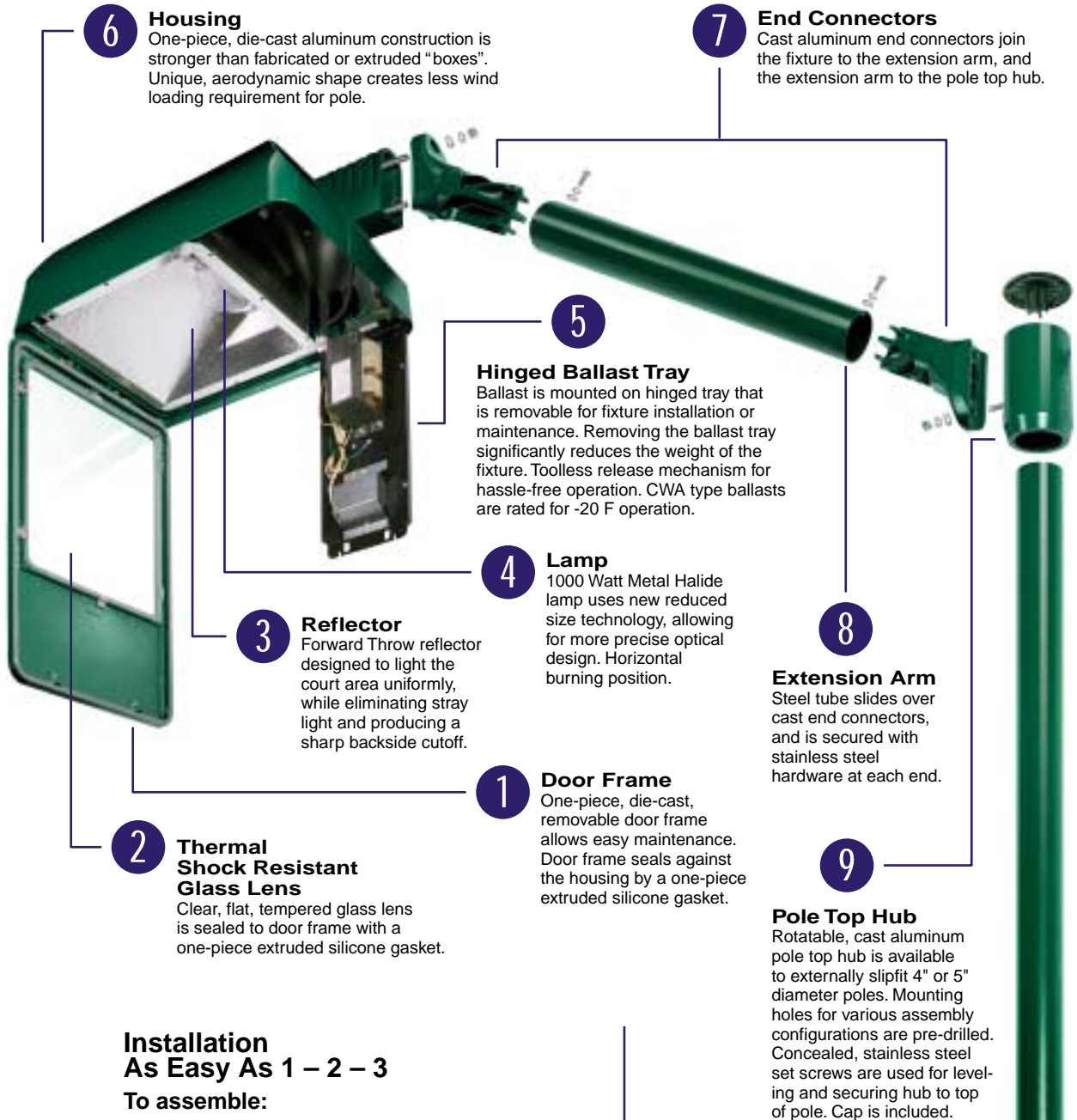


# NO PAIN, ALL GAIN

# – THE AEROSYSTEM INSTALLATION ADVANTAGE

The Aerosystem's modular assembly process is simple genius. The components of the system have been designed to be simple to

install, easy to handle, and extremely durable. The system consists of: fixture, extension arm, two cast end connectors, pole top hub, and pole.



## Installation As Easy As 1 – 2 – 3

### To assemble:

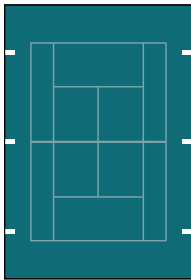
- Mount (1) end connector to pole top fitter, mount (1) end connector to fixture.
- Slide pole top fitter on pole, slide extension arm on end connector.
- Slide fixture in extension arm.



Listed for wet locations

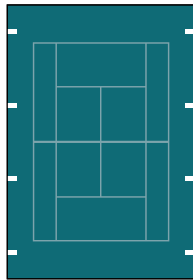
# STANDARD LAYOUTS

LAYOUT 1



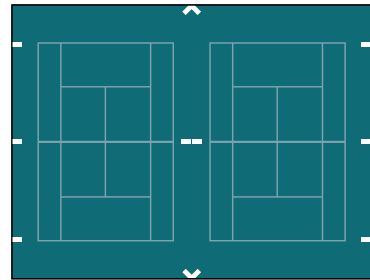
**Recreational Play**  
60' x 120'  
(6) ARO-A

LAYOUT 3



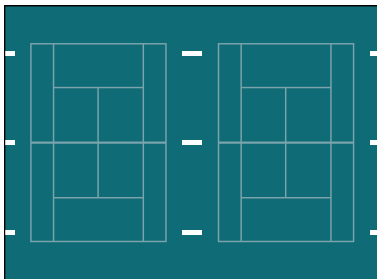
**Club/Tournament**  
60' x 120'  
(8) ARO-A

LAYOUT 5



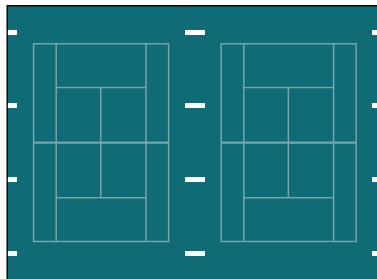
**Narrow Recreational**  
108' x 120'  
(6) ARO-A • (1) ARO-B • (2) ARO-C

LAYOUT 2



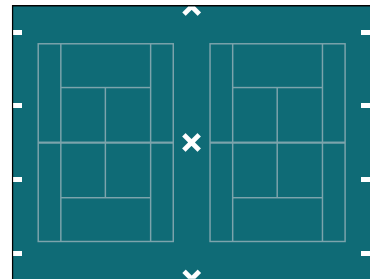
**Full Size Recreational**  
120' x 120'  
(6) ARO-A • (3) ARO-B

LAYOUT 4



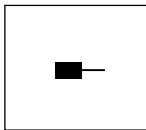
**Full Size Club/Tournament**  
120' x 120'  
(8) ARO-A • (4) ARO-B

LAYOUT 6

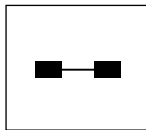


**Narrow Club/Tournament**  
108' x 120'  
(8) ARO-A • (2) ARO-C • (1) ARO-D

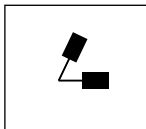
# CONFIGURATIONS



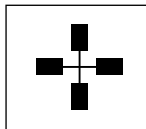
**Single**  
ARO-A Assembly  
(1) 1000 Watt Fixture  
(1) Single Bracket  
(1) Pole Top Hub  
(1) 20' x 4" O.D. Pole



**D180**  
ARO-B Assembly  
(2) 1000 Watt Fixtures  
(2) Single Brackets  
(1) Pole Top Hub  
(1) 20' x 4" O.D. Pole



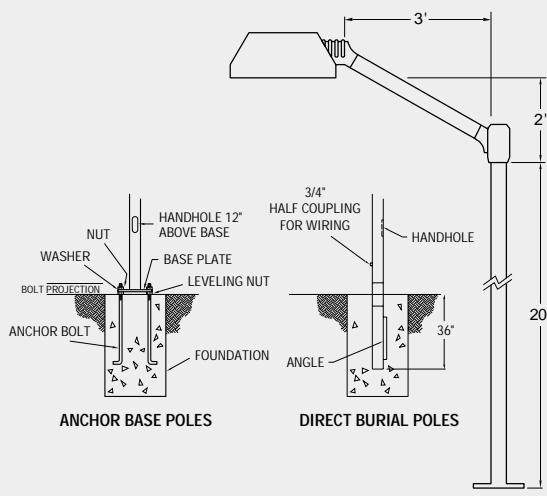
**D70**  
ARO-C Assembly  
(2) 1000 Watt Fixtures  
(2) Single Brackets  
(1) Pole Top Hub  
(1) 20' x 4" O.D. Pole



**Q90**  
ARO-D Assembly  
(4) 1000 Watt Fixtures  
(4) Single Brackets  
(1) Pole Top Hub  
(1) 20' x 5" O.D. Pole



# POLE AND BRACKET SPECIFICATIONS



- Single, D180, and D70 pole shafts are electro welded ASTM-A513 4" O.D. 10 Ga. round steel tubing.
  - Quad pole shaft is ASTM-A513 5" O.D. 11 Ga. round steel tubing.
  - 4" O.D. steel tubing is approximately 6 lbs. per ft.
  - 5" O.D. steel tubing is approximately 7 lbs. per ft.
  - Anchor base poles are furnished with anchor bolts and zinc plated double nuts and washers. Galvanized anchor bolts are optional. Anchor bolts conform with ASTM-A36 with a minimum yield strength of 36,000 PSI.
  - Base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 PSI.
  - 3" x 6" reinforced handhole is 12" above base plate, cover is provided.
  - Ground lug is standard.
  - Weatherproof duplex receptacle is optional.
  - Ground fault circuit interrupter is optional.
  - Two-piece fabricated aluminum base cover is standard for anchor base poles.
  - Pole top hub externally slipfits 4" or 5" O.D. pole. Hardware to level bracket is internally threaded, concealing it from view for a cleaner appearance. A through bolt is not required.
  - Extension arm is ASTM-A513 4" O.D. round steel tubing.
- EPA's on standard pole configurations are guaranteed up to 80 MPH. Please consult factory for areas with wind ratings higher than 80 MPH. Caution: The LSI Courtsider Sports Lighting guarantee does not apply if the pole/bracket/fixture combination is used to support any other items, such as flags, pennants, or signs, which would add stress to the pole. LSI Courtsider Sports Lighting cannot accept responsibility for harm or damage caused in these situations.

## ORDERING CHART

Select appropriate choice from each column.

Assembly Type	Line Voltage	Luminaire Finish	Luminaire Options	Pole Options
ANCHOR BASE ARO-A-4TBC ARO-B-4TBC ARO-C-4TBC ARO-D-5TBC	MT 480V 220/240V 50HZ	BLK - Black GRN - Green BRZ - Bronze PLP - Platinum Plus BUF - Buff WHT - White	RCS - Rear Cutoff Shield LL - Less Lamp NO - No Options	ER2 - Weatherproof Duplex Recept. GFI - Ground Fault Circuit Interrupt. GA - Galvanized Anchor Bolts NO - No Options
DIRECT BURIAL ARO-A-DB ARO-B-DB ARO-C-DB ARO-D-DB				

Example of a typical order: ARO-A-4TBC-MT-GRN-NO-GA

Note: Please contact LSI Courtsider for poles of shorter or longer length than the standard, or poles for special wind loading criteria.

## FINISHES



**Green**



**Black**



**Bronze**



**Platinum Plus**



**White**



**Buff**

All Aerosystem components are finished with DuraGrip®, LSI Courtsider Sports Lighting's revolutionary, superior,

baked-on powder finishing process that produces an exceptionally attractive appearance. DuraGrip polyester finish

withstands extreme weather changes without cracking or peeling. Finish is guaranteed for a full five years.