



**The ENVIRO LIGHT II**  
The Advanced SCL  
(Sharp Cut-Off Luminaire)

**Environmental  
Lighting For a  
Secure Aesthetic  
Lifestyle**



**ENVIRONMENTAL TENNIS LIGHTING**

In today's environmentally conscious world, **ELSCO'S ENVIRO LIGHT II** Tennis Lighting System has set the specification standards for quality, performance, efficiency and aesthetic design. As a result of orienting our thinking to the needs of the tennis player, success and acceptance of the ENVIRO LIGHT II is evident world wide.

The prime objective in considering proper tennis court illumination rests on the right choice of luminaire and its placement. For today's more knowledgeable player, a low mounted high performance fixture is considerably more desirable than the design of the sixties; a series of tall poles with extremely bright floodlights. At **ELSCO**, we employ rigid standards to our engineered optics to give optimum performance and uniformity on every part of the court. This results in an evenly distributed light pattern that effectively eliminates multiple shadows, an inherent problem with point source illumination. Stroboscopic distortion, caused by the ball moving from light to dark to light and appearing to change speed on poorly lit courts, is now non-existent with the ENVIRO LIGHT II.

Maximum playability is further achieved by the advanced **SCL** (sharp cut-off luminaire) design which eliminates harsh glare and annoying light spillage through hidden and shielded lamp placement. The importance of eliminated glare can best be realized by the player during serves and playing lob shots, where improper lighting and placement will create severe harshness in the line of sight. The same glare reduction allows spectators to more easily follow the game and appreciate it to the fullest.



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Stricter enforcement of many city ordinances now makes the "SCL" the only proper choice for controlling light pollution and undesirable light spill onto adjacent properties. Lower mounting heights make light control more effective on the court surface and provide sharp cut-off behind the pole, allowing for much simpler compliance with these regulations.

Pole and Fixture placement and its relation to the court becomes vital for good play. By mounting fixtures along the sides of the court, an efficient non-glaring cross court illumination is created providing the player with the ability to follow the ball in every possible path while in play. Pole placement in fencelines offers added strength to support windscreens and eliminates the need for aiming fixtures.



Mounting height characteristics are essential to the total court environment. At a height of twenty feet, the light is utilized to its fullest while allowing for the field of vision to be unimpaired by glaring side light. During daylight hours, the fixture's appearance becomes a matter of harmonious integration into the surroundings, while the lower mounting height virtually eliminates daytime shadows. ELSCO has also made a distinct point of addressing the players' need for proper color quality. With many different playing surfaces and a variety of ball colors available, true color characteristics that closely simulate daylight become a requirement.

Our choice of color temperature corrected and tested metallic additive lamps perform this function without compromise, maximizing energy efficiency in the process. Skin tones and tennis fashions are free of color distortion as well, allowing the player the additional confidence of looking good. As tennis continues to grow in popularity throughout the world, eLSeO will remain at the forefront of innovation, providing the player with the lighting performance it takes to be a winner.



**Televised Court**

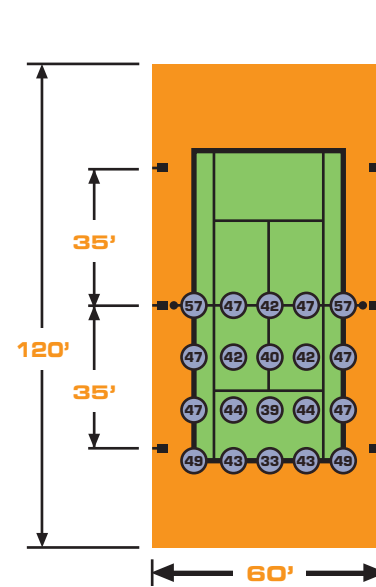
Maintained footcandle level requirements for live-remote color pick up vary with the television camera equipment used. As in the case of Center Court, Televised Courts require special consideration. Consult ELSCO's engineering department for free layouts and recommendations.

**EVR II Fixture Selection Guide**

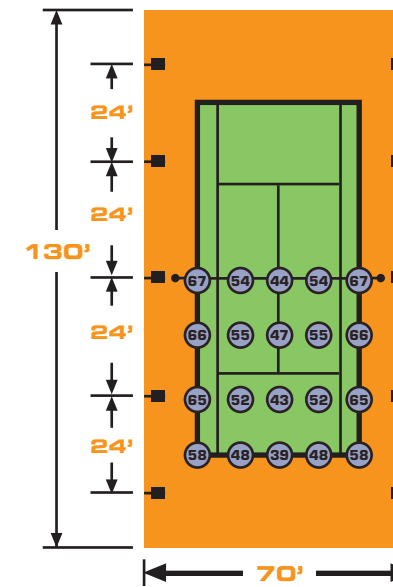
	
FIXTURE BRACKET & POLE	FIXTURE BRACKET & POLE
1000 watt Metal Halide Square • Round	1000 watt Metal Halide Twin 90° Square Round
1 - EVRII-1000-MH-L EVR-A / EVR-SB	2 - EVRII-1000-MH-L EVR-B-90 / EVR-TB-70

■ - Description □ - Order No.

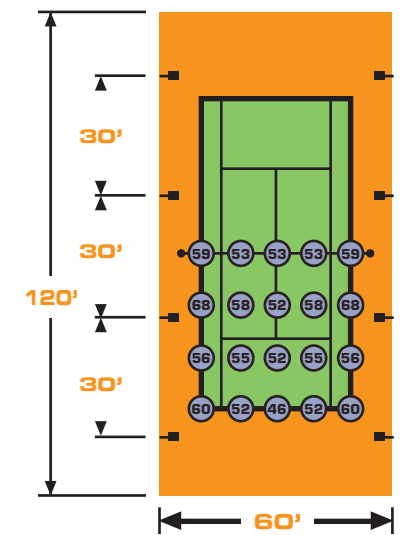
	
FIXTURE BRACKET & POLE	FIXTURE BRACKET & POLE
1000 watt Metal Halide Square • Round	1000 watt Metal Halide Twin 90° Square Round
2 - EVRII-1000-MH-L EVR-A / EVR-TB	4 - EVRII-1000-MH-L EVR-Q / EVR-QB



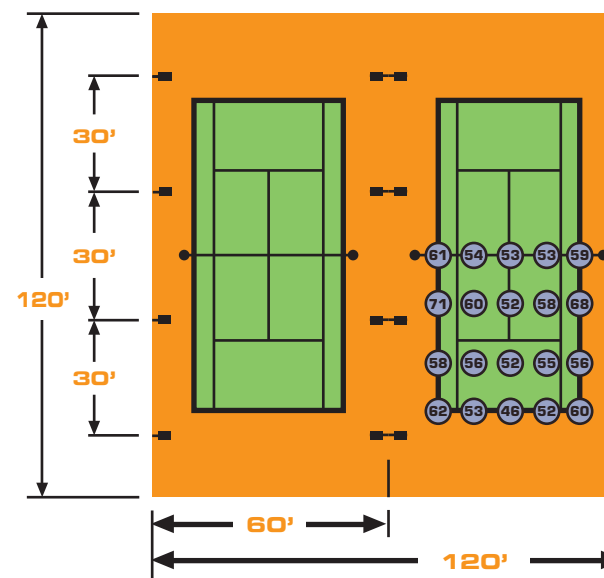
**Residential Court**  
Initial Footcandle Level = 40" above court surface  
Maximum/Minimum Ratio = 1.73:1



**Center Court**  
Initial Footcandle Level = 40" above court surface.  
Maximum/Minimum Ratio = 1.72:1

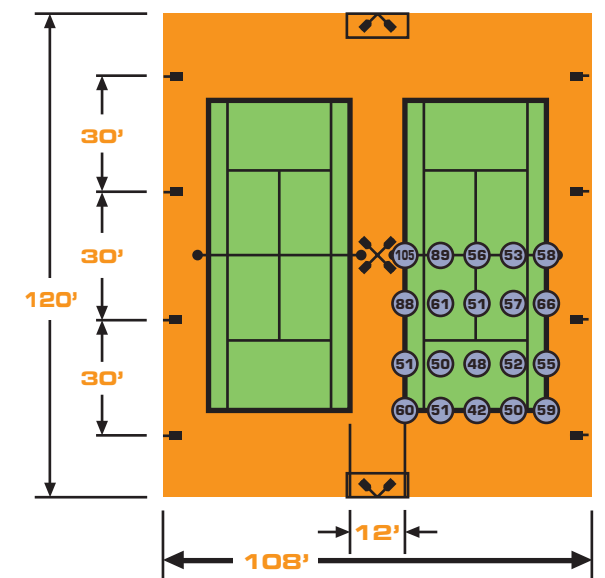


**Standard Court**  
Initial Footcandle Level = 40" above court surface.  
Maximum/Minimum Ratio = 1.48:1



**Standard Double Court**  
Initial Footcandle Level = 40" above court surface. Luminaires-(4)  
Twin 189° at 20' 0" Mtg. Ht. Maximum/Minimum Ratio = 1.54:1

**To Calculate Lux:**  
Multiply Footcandle Reading by 10.76



**Narrow Twin Court**  
Initial Footcandle Level = 40" above court surface.  
Maximum/Minimum Ratio = 2.5:1