

Integrated Lamp Controller™

The Most Up-To-Date, Optimized Control Circuit for High Wattage Tanning Lamps!

The **ILC™** is a compact electronic device that provides precision lamp power regulation and low current crest factor when used in combination with Cosmedico's rugged, reliable and economical choke ballast products. The ballast, lamp and the starting/operating processes are monitored and controlled by the "electronic brain" of the **ILC™**. When a lamp controlled by the **ILC™** is turned on, the **ILC™** detects the characteristics of the ballast; it assesses the effect of any incoming voltage variation and it measures the ambient temperature within the bed/booth. The **ILC™** combines these three crucial variables to calculate the optimum lamp starting program.

THE **ILC™** REPLACES CONVENTIONAL STARTERS AND STARTER SOCKETS!

By eliminating the traditional starter, the salon never needs to purchase and replace another (wear part) starter. By eliminating the starter socket, one third of the pressure point contacts in the starting circuit are eliminated. Fewer contact points will reduce the possibility of faults in circuits with high current and high voltage reactive components. Elimination of the starter and socket removes persistent "dust catchers" and makes cleaning of the equipment easier.

THE **ILC™** MOUNTS INSIDE THE EQUIPMENT!

Regular starters are normally positioned next to the lamp - a radiant heat producer. This positioning subjects these devices to undue thermal cycling and stress. By substituting the **ILC™** and moving it away from these "oven-like" positions to a cooler, remote location, we are able to incorporate a host of precision control features. (There are 2 mounting styles: convenient mounting pips - or - durable 2-sided tape.) The cooler location preserves the life of the controller. Expected life is 10+ years - which is as long as the life of a choke ballast.



THE **ILC™** HAS DUAL PORTS AND RELEASE PORTS!

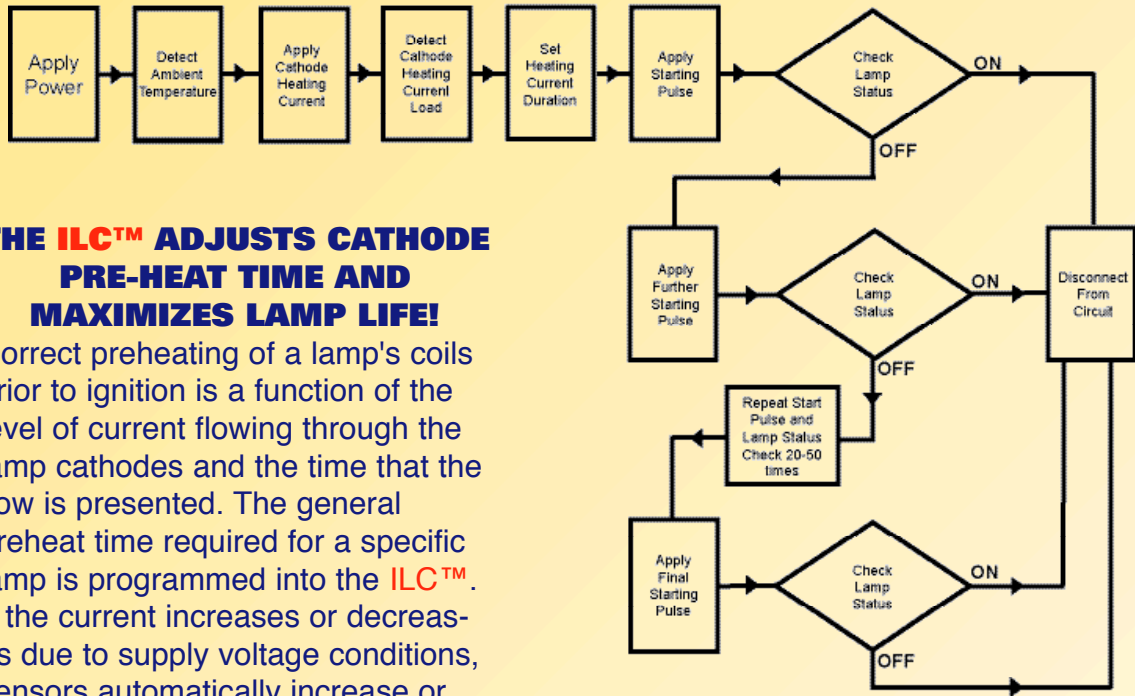
Dual ports are mechanically stable and provide a "spare" if one becomes broken due to mis-wiring.

THE **ILC™** IS PRECISELY MATCHED TO THE LAMP AND BALLAST CIRCUIT!

Replaceable starters must be designed to function with a range of lamp and ballast types. Therefore, compromises are inevitable. This means that a replaceable starter seldom meets the exacting needs of the lamp that it controls. When properly matched to lamp and ballast, the **ILC™** will always provide perfect starting conditions, thus minimizing damage to the lamp (i.e., 100w controller to 100w lamp; 160w controller to 160w lamp, etc.)

PRODUCT NUMBER	WATT	VOLTS	FREQ/Hz	LIFE (min)	UL
71210	80 - 120 w	200-260	60Hz	10+ years	Pending
71211	140 or 180 or 190w	200-260	60Hz	10+ years	Pending
71212	160w	200-260	60Hz	10+ years	Pending

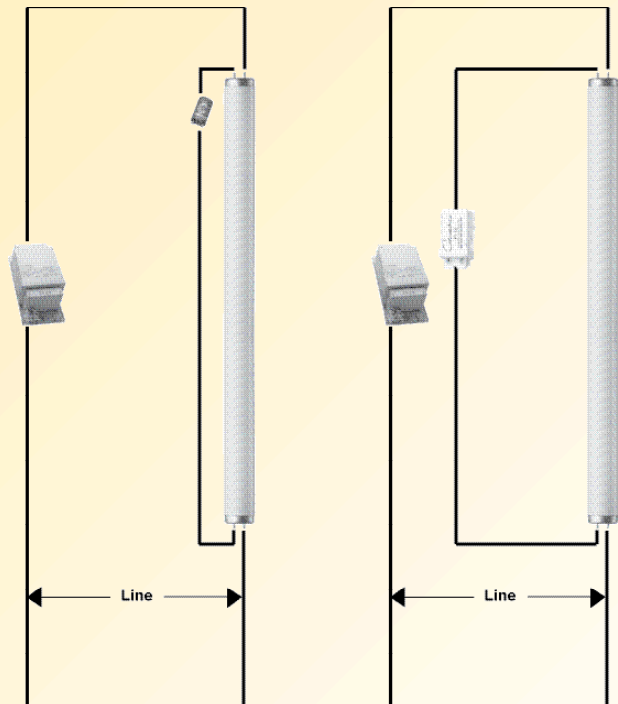
ILC™



THE ILC™ ADJUSTS CATHODE PRE-HEAT TIME AND MAXIMIZES LAMP LIFE!

Correct preheating of a lamp's coils prior to ignition is a function of the level of current flowing through the lamp cathodes and the time that the flow is presented. The general preheat time required for a specific lamp is programmed into the ILC™. If the current increases or decreases due to supply voltage conditions, sensors automatically increase or decrease the time accordingly. This maximizes lamp life. A lamp operating in a colder atmosphere requires longer heating time than a lamp in a very warm atmosphere. In addition to ensuring sufficient cathode pre-heating, avoiding over-heating preserves lamp life. By positioning the ILC™ in the equipment (without concern as to accessibility) the ILC™ will sense the air temperature in the lamp enclosure. The temperature sensor in the ILC™ automatically extends heating times for cold equipment and reduces heating times as the equipment warms up. This, too, maximizes lamp life.

Flow Chart: ILC™ Operation



Traditional lamp circuit with starter socket and plug-in starter adjacent to lamp.

ILC™ lamp circuit with lamp controller distanced from lamp.



Call: 781-331-0949