

TRS Series

The Real Score - LED photocontrol

A Photocontrol is like a chain

It's only as strong as its weakest link

Is the printed circuit board constructed for a 20 year life?

Standard cellulose (paper) materials with bottom only solder connections cannot be expected to last 20 years.

The Score Control Board is constructed of high quality glass epoxy material that meets MIL-1-24768/2/27-GEE, GEE-F environmentally resistant glass material with plated through-holes.

Will the base and gasket last 20 years?

Standard photocontrol gaskets and bases cannot be expected to maintain their integrity over a 20 year field life.

The Score Control base material and neoprene blend gasket that passes ASTM D 1056 for stability were selected for their 20 year field life expectancy.

Are the electronics environmentally protected for a 20 year life?

Electronics unprotected from the environment cannot be expected to have a 20 year field life. Sealing the cover to base protects the electronics, but also eliminates heat venting that results in the components operating in much higher temperatures. This condition is worse.

To protect the electronics The Score Control is protected with an Immersion Silicon Conformal Coating to MIL-I-46058C process. This produces protection from the environment without causing excess heat. In addition, the electronics are cleaned and Ionic Decontaminated in a MIL-PRF-55110F compliant process so no contaminants are sealed in the coating process.

Will the cover and window last 20 years?

Standard photocontrol plastic housings cannot be expected to resist UV degradation over a 20 year field life expectancy.



The Score Control uses ultra long life Xenoy® material with proven performance in applications like irrigation equipment, ski lift gondolas, bulldozers and other equipment where strength and longevity for constant outdoor use is required.

Will the surge protection contribute to a 20 year life expectancy?

Don't be fooled by competitors claims of high joule ratings. The high joule ratings are the result of high RMS and clamping voltage. High clamping voltage allows surges/spikes into the electronic circuit thereby reducing component life.

Now that's a MOV

To protect the electronic components (and the LED Fixture) for 20 year expected life The Score Control RMS clamping voltage is just above line voltage. Our 40,000 amp MOV can be expected to protect against repeated spikes/surges over a 20 year period, where smaller MOVs would not.

Will the relay last 20 years?

Asking a standard photocontrol relay to last nearly twice as long is too much.

The Score Control relay has triple the performance of standard relays. In addition, it provides an Air Gap load break thus eliminating the voltage leakage from solid state switches that damage the LED fixture.

Will the photosensor last 20 years?

Standard unprotected photosensors cannot be expected to have a 20 year field life.

The Score Control photosensor is encapsulated in a hermetic glass and metal enclosure compliant with MIL STD 202D Method 112A, Test Condition B to protect it from contaminants over a 20 year life.

Model Number

TRS-1 120 VAC LED Control

TRS-2 105-305 VAC LED Control

TRS-2-FO 105-305 VAC Fail-Off LED Control

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