



# Sustainable Lighting Solutions

Solid State Fixtures manufactured by SCS Lighting Solutions, Inc.

## About Us;

**solid state lighting is like LED lighting on steroids; it enhances the lighting output so you get more light (lumens) out per watt input; and increases the lifetime of the lamp by 25%**

Intelligent Highway Solutions, Inc. (OTCQB: IHSI) is a technology based electrical contracting company that develops and implements high and low voltage solutions across multiple platforms. Through the development of proprietary wireless vehicle detection systems the company is working to make the nation's roadways more efficient. IHSI also performs electrical installations, temperature control systems, communication/wireless integration, and advanced lighting systems for commercial applications. In 2014, the Company secured exclusive distribution rights to proprietary lighting solutions directed towards the legal cannabis industry that helps growers reduce costs and improve yields.

SCS Lighting is a custom lighting company that specializes in Solid State Diode (SSD) lighting solutions. We offer standard off-the-shelf products as well as custom lighting solutions for commercial / industrial customers for indoor and outdoor applications. We work with each customer to improve lighting performance and reduce operational costs with **savings from 55% to 90%** over traditional lighting

# “Improving on the Past”

Incandescent technology is over 130 years old. Recent developments in opto--electronic and compound semi-- conductor technology has greatly advanced the efficiency of modern day lighting.



# “Improving the Bottom Line”

SCS Products prove to be 60--90% more efficient over comparable High Intensity Discharge (HID) fixtures such as metal halide lighting. Our fixtures produce more light with less energy, last 5--10x longer, and require significantly less maintenance costs.

# “Increasing Property Values”

SCS manufactured products offer **immediate** ROI to both property managers and owners. Our custom lighting projects save on average 50--90% of energy and maintenance cost for our customers while improving the overall quality of light and property value. Leveraging our energy efficient products is a quick and effective way to generate immediate value for any commercial property.

**FOR EXAMPLE:** a building that currently uses \$100,000 in electricity for lighting will also incur approximately \$30,000 in maintenance directly related to lighting. That same building with SCS Lighting installed will now use approximately \$25,000 in electricity for lighting and \$0.00 in maintenance. That is a \$105,000 reduction in operational costs which at a cap rate of 6 equates to an **immediate \$1,750,000 increase in the property's value.**





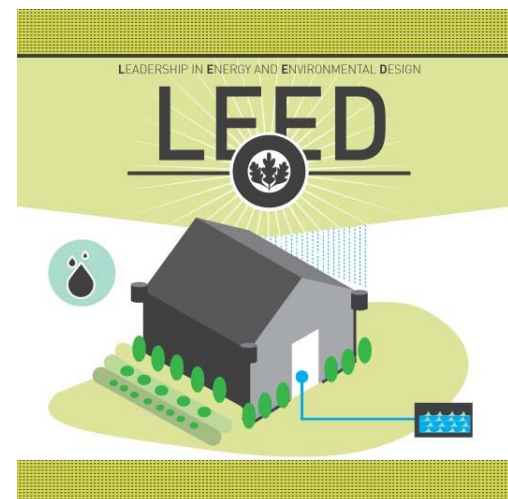
# “LEED: Environmentally Recognized”

LEED Certifications are governed by internationally recognized Green Building Program. SCS Lighting Solutions is a large part of having a LEED qualified building. A LEED qualified building demonstrates leadership, innovation, environmental stewardship and social responsibility. LEED provides building owners and operators the tools they need to immediately impact their buildings performance and bottom line, while providing healthy indoor spaces for a building’s occupants.

## **BENEFITS OF LEED Certifications:**

- LEED buildings are more efficient while providing a healthier environment for the occupants. These buildings command higher lease rates and have higher resale value.
- Installing SCS Lighting manufactured fixtures will vastly increase your building’s value while putting you well down the road towards a LEED certified building.**

Intelligent Highway Solutions, Inc.  
[www.IntelligentHighwaySolutions.com](http://www.IntelligentHighwaySolutions.com)



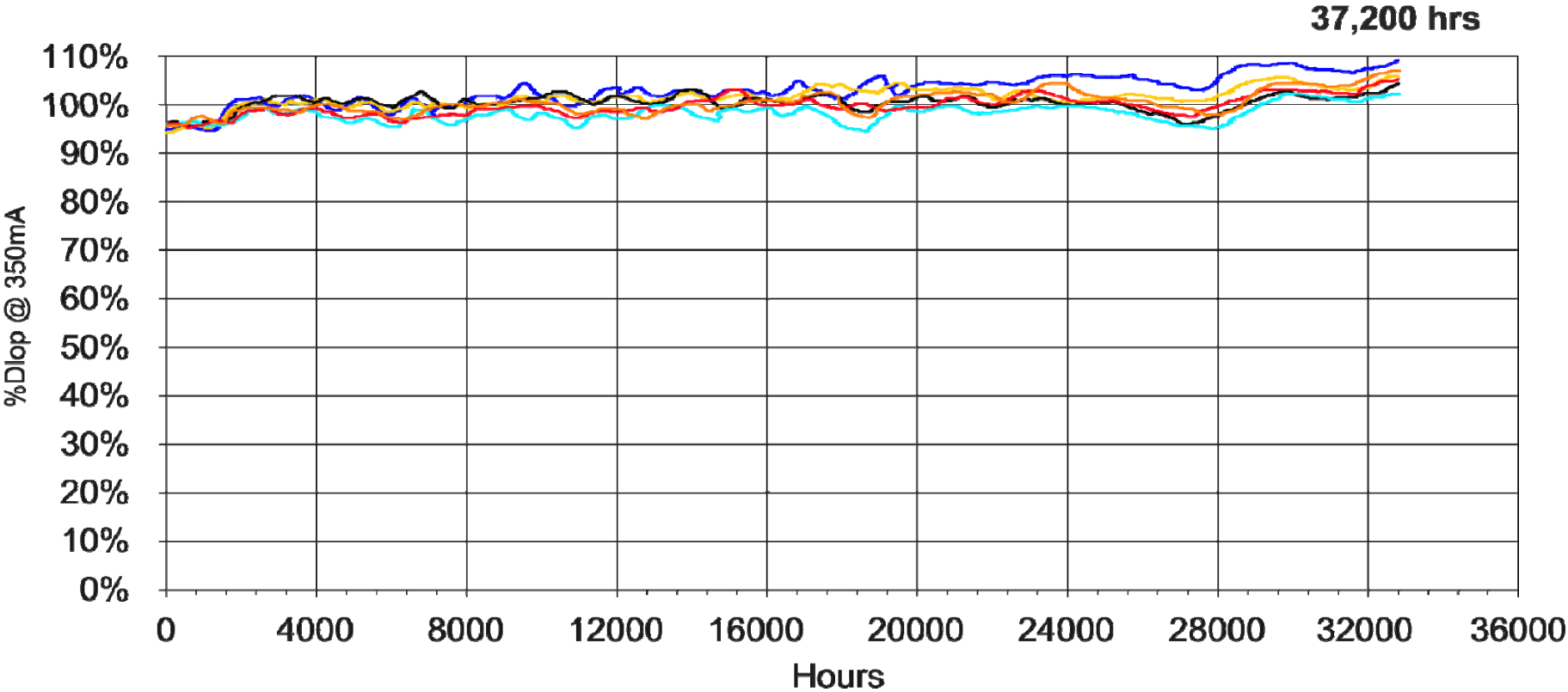
# SCS SSD Lighting Cost Comparison

Application	SCS Light Type	Model number	Lumen Output	Annual U5lity \$	Annual Maint. \$	Existing Bulb	Annual U5lity \$	Annual Maint. \$
Parking Lot	Custom Retrofit	SCS--PL050--0120	6,500	\$65	\$0.00	400W--MH	\$610	\$200
Factory Warehouse	High Bay	SCS--HB100--0120	13,000	\$131	\$0.00	400W--MH	\$610	\$150
Fluorescent Retrofit	SSD Tube Direct Replace	SCS--TL--418--0120	2,340	\$24	\$0.00	32W Fluor--tube	\$53	\$5
Outdoor Flood Light	SCS SSD Flood	SCS--FL080--0120	10,400	\$105	\$0.00	400W--MH	\$610	\$150
Gas Sta5on Canopy	Custom Retrofit	SCS--CN050--0120	6,500	\$65	\$0.00	320W--MH	\$487	\$180
Sports Field	IP65 High Bay	SCS--HB250--0120	32,500	\$328	\$0.00	1000W--MH	\$1,524	\$300
Street Light	SCS STL Series	SCS--SL050--0120	6,500	\$65	\$0.00	320W--MH	\$487	\$250

\*\* IHS provides replacement guides and consultations free of charge to our clients to help ensure they are making effective lighting choices

### Product Lifetime Testing

The chart below demonstrates the lifetime of our standard SSD high bay fixtures at an accelerated temperature of 80 degrees C (176 F). The results show no degradation in performance through 32,700 hours . This is the standard test method utilized in Opto--  
-Electronic device fabrication to support product lifetimes which **exceed 100,000 hours** at 25 degrees C (77 F).



# IHS vs. The Competition

	IHS	Competitors
Site Visits	Standard	n/a
Energy Audits	Standard	n/a
Rebate Support	Standard	n/a
Custom Application Designed Fixtures	Available	n/a
DOE, Design Lights Consortium Approved	Standard	Limited Selection
In-house Installation Teams	Standard	Sub-Contracted
Disposal of Old Hazardous Lighting	Standard	Sub-Contracted
Aner Installation Support w/ Utility Providers	Standard	n/a
Latest Solid State Gallium Nitride Devices	Standard	GaAlAs Older Technology
Device Performance	130 lm/w; 176F Operation	90 lm/w; 100F Operation
Price	Competitive w/ Conventional	2--3x Conventional
Typical ROI	11 to 20 Months	36--60 Months





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