



Product Availability

Product Image	Model	Watts	Comparable HPS Watts	Lumens	Operating Temp.	IP Class
Induction						
 Induction Cobra Head	G60	60	100-120	4,200	-40° to 50° C	IP-65
	G80	80	150	6,000	-40° to 50° C	IP-65
	G100	100	150-200	8,000	-40° to 50° C	IP-65
	G120	120	250	9,600	-40° to 50° C	IP-65
	G150	150	250-300	12,000	-40° to 50° C	IP-65
	G200	200	400	17,000	-40° to 50° C	IP-65
	K40	40	100	2,800	-40° to 60° C	IP-66
	K80	80	150	6,000	-40° to 60° C	IP-66
	K120	120	250	9,600	-40° to 60° C	IP-66
	K200	200	400	17,000	-40° to 60° C	IP-66
LED						
 LED Cobra Head	L56	56	100-125	5,330	-40° to 60° C	IP-66
	L84	84	150-175	7,995	-40° to 60° C	IP-66
	L112	112	200-250	10,660	-40° to 60° C	IP-66
	L140	140	250-300	13,325	-40° to 60° C	IP-66
	L168	168	300-350	15,990	-40° to 60° C	IP-66
	L196	196	350-450	18,560	-40° to 60° C	IP-66
	L224	224	450-500	21,320	-40° to 60° C	IP-66
	L252	252	500-600	24,000	-40° to 60° C	IP-66

All Products Feature:

CRI >80
 Color Temperature 5000K +/-500
 Typical Operating Life 60,000 hours

Decorative Lamp
 Styles Also Available



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Sensus Lighting Control

Lower Operating Costs
 Increased Public Safety
 Unparalleled Control & Flexibility



Cut Your Public Lighting Budget By Up To 75%

Photocell-controlled lights consume a significant portion of municipal budgets every year. Not only are they expensive to maintain and operate, they're energy inefficient and offer poor lighting quality. Whether you're a municipality, a utility or a commercial building owner, there's a better outdoor lighting solution that's not only financially beneficial, but brighter *and* environmentally sound.

Sensus Lighting Control (SLC), powered by the FlexNet™ communications network, allows you to efficiently manage the lighting of large public areas - yet exercise full control down to an individual lamp. Our system utilizes induction and LED lamps that provide brighter, whiter light and excellent color rendering compared to the dim yellow-orange glow offered by older lighting technologies. Plus, the ability to control individual lighting properties allows smarter use of resources – ranging from shorter operational hours to virtually imperceptible light reduction during non-critical hours for additional cost savings. And unlike other systems, Sensus Lighting Control lets you see those cost savings, because the SLC control board has an integrated metrology chipset to measure energy consumption for each lamp. That's like having a meter on every light for accurate billing instead of estimated usage.

Powered by Sensus FlexNet™ Communications

FlexNet is a smart grid communications solution utilized by some of North America's largest electric, gas and water utilities. This robust system operates on primary-use radio frequencies, instead of crowded public wi-fi channels, for exceptional performance and response. Sensus Lighting Control is truly one of the first steps toward an integrated smart grid network, enabling utilities or communities to expand the benefits beyond basic meter communications to multiple applications that use resources effectively and efficiently.

Example of Annual Savings for Replacing 10,000 250W HPS Street Lights*

Annual Operating Cost per Light	250W HPS Hours/day: 12	120W Induction Hours/day: 9 ^a	84W LED Hours/day: 9 ^a
Amortized Maintenance	\$375,600	\$81,600	\$81,600
Energy (\$0.075683/kWh) ^b	\$949,200	\$325,200	\$225,600
Total	\$1,324,800	\$406,800	\$307,200
Annual Savings	N/A	\$918,000	\$1,017,600

*** Assumptions:**

- Four year replacement cycle for 250W HPS
- \$150 to change a street light (includes cost of lift bucket truck and associated crew on highway)

^a Programmable light output combined with accurate sunrise/sunset operation reduces operational duration by three hours per day.

^b Average cost of electricity. Exact savings will vary based on actual costs and any other applicable charges.

Consider These Cost Saving Advantages...

Maintenance Savings

No internal electrodes
Consistent light output without dimming as the lamp ages

No photocells
Reduced maintenance cost and premature "aging" of the lamp from oscillating of the photocell relay as it fails

On-board diagnostics
The SLC transceiver alerts maintenance staff to issues with lamp and parts required for repair – avoiding several truck visits or unnecessary waste in replacing good parts to solve difficult-to-diagnose problems

Extended Lamp Life
LED and Induction lights offer longer product life as compared to older technology

Energy Savings

Programmable on/off time
Minimizes unnecessary energy consumption when ambient light levels are adequate, which saves about one hour of consumption per lamp, per day

Instant-on
Lamp does not need "warm-up" time to build full light output, which equals fewer operational hours

Programmable light output
Reduce energy consumption 25-50% by decreasing light output with little perceptible change to the human eye during non-critical hours, for example between 2 and 5 a.m.,

Induction or LED technology
Uses less power to produce brighter, whiter light compared to low-pressure sodium (LPS), high pressure sodium (HPS), mercury vapor (MV) or metal halide (MH) lighting technologies

Public Safety

Reduce crime and avoid accidents
Improved brightness and color rendering enable better visibility so that citizens can be more aware of their surroundings

Public safety personnel can also increase light output of individual lamps in response to security concerns or issues.

Programmable flash and chase
Individual lamps can be made to flash, alerting public safety personnel and assisting them in reaching those in need faster

Chase feature can be implemented to indicate a change in traffic flow for emergencies or large-scale evacuation

Additional Savings Through Tariff Restructuring

Because it's inefficient to meter every light, most municipalities are billed for lighting public areas on a flat per-light rate. Sensus Lighting Control incorporates a metrology chip, certified to ANSI C12.20 .5 Class for residential electric meter accuracy — so energy can be directly measured and wirelessly communicated for actual consumption billing. And those savings add up. One city is paying for the installation of the lighting system based almost solely on their utility bill savings!



This business district in Chatanooga, Tennessee, brightened by LED streetlighting, realized a 17% gain in foot traffic after installing Sensus Lighting Control.

About Sensus

Sensus is a leading utility infrastructure company offering smart meters, communication systems, software and services for the electric, gas, and water industries. Sensus technology helps utilities drive operational efficiency and customer engagement with applications that include advanced meter reading, data acquisition, demand response, distribution automation, home area networking and outdoor lighting control. Customers worldwide trust the innovation, quality and reliability of Sensus solutions for the intelligent use and conservation of energy and water. Learn more at www.sensus.com.