



FEATURES & SPECIFICATIONS

INTENDED USE

The KiloWatch™ Integral Sensor System is designed to control a single unit HID lighting by switching the unit to a preselected 50% power level or 50% lumen level. Each unit contains an integral sensor that mounts to the reflector. Application opportunities include warehouses or select storage areas within manufacturing facilities.

SYSTEM

- Solid state relay.
- Dual level or 2 separate capacitors.
- SCWA or CWA ballast only.
- Passive infrared sensor with fresnel lens.
- Adjustable time delay .5 to 20 minutes.
- 15 minute start up timer.
- Green LED Activity Indicator.

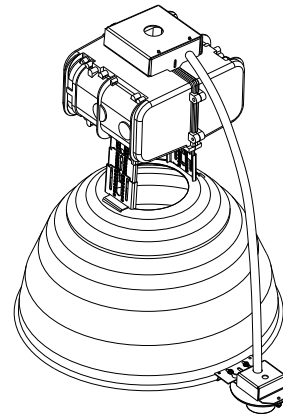
SENSOR

- Up to 45 foot mounting height.
- Mounts to reflector via an adjustable bracket.
- 360° coverage within the luminaire's lighting distribution.
- Size: circular, 3.9" Dia., 1.34" Deep.
- Color: white.
- Relative humidity: 20% to 90% non-condensing.
- Operating temperature: 14°F to 131°F, (-10°C to 55°C).
- LT option operating temperature: -40°F to 131°F, (-40°C to 55°C).

LISTING

UL Listed U.S. and Canadian safety standards.

Catalog Number	
Notes	Type



KILOWATCH™

Multi-Level Lighting
KW1S
KW150S

Integral Sensor System

ORDERING INFORMATION

Example: TH 400MP A15 TB SCWA KW1S

Series	Ballast ⁶	Optical	Voltage	Options	Accessories
TE TH TX	 NOTE: For shipments to U.S. Territories, SCWA must be specified to comply with EISA.	E17 A125 E22 A165 A15 PA16 A16 PA22 A17 PA22C A22 PA22SP A14 PA25ALE A26 PA25D A30 PA22GLE A23 PA22N A20	120 208 240 277 347 480	KW1S ² CRT KW150S ³ TEF KW1S LT ² TR KW150 LT ³ RC3NP SF LCPP DF LC3P QRS HC3P QRSTD HOCS EC HOCU GL LOCS TOB LOCU T73 CF CR	DCY LPM DHX LPMG DSQ PPH FWG TPH GFWG SCK HC3P SCK48 HKF SCK108 HKM SMB18 HKMG SMB24 LC3P TMB30 LGG TMB48 LPF WG WGG
Wattage <u>Protected metal halide</u> 400MP 250MP 1000MP ¹ <u>High pressure sodium</u> 150S 250S 400S 1000S ¹	SCWA Super constant wattage autotransformer RLB Regulated lag ballast SCWI Isolated SCWA ⁵ (blank) Standard magnetic ballast ⁵ CWI Constant wattage isolated ⁵ MRB Magnetic regulator ballast				

NOTES:

- 1 Not available in TX or TE17.
- 2 50% power.
- 3 50% lumen.

Description

KW1S	KiloWatch integral sensor unit (50% power)
KW150S	KiloWatch integral sensor unit (50% lumen)
KW1S LT	KiloWatch intergal sensor unit (50% power), low temperature
KW150S LT	KiloWatch integral sensor unit (50% lumen), low temperature

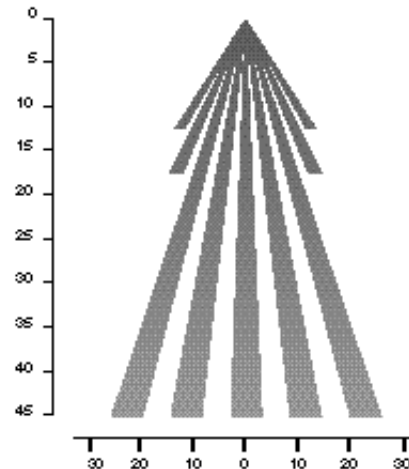
KW1S/KW150S KiloWatch Integral Sensor System

SENSOR OPERATION

The control is accomplished through an integral passive infrared sensor mounted to the reflector. Upon initial power-up, a timer brings the lamp to full operating temperature for a preset 15-minute period. Once the unit is warmed up, the sensor switches the unit to the low mode, then relies on heat changes caused by body movement or moving equipment within the sensor coverage to switch the unit to full lumen output from a pre-selected level (50% power or 50% lumen).

The high level delay controls the time that the fixture remains in the high mode after motion is no longer sensed. This adjustment is factory set at approximately 75 seconds (minimum), but may be adjusted if required. The available range is 75 seconds to approximately 30 minutes.

SENSOR COVERAGE CHART



ENERGY INFORMATION

KW1S - 50% Power

Wattage/Source	System Performance		50% Power Reduction at Low	
	Input Wattage	% Lamp Lumens	Input Wattage	% Lamp Performance
250 Metal Halide (CWA)	295	100%	168	38%
320 Metal Halide (SCWA)	370	100%	190	30%
350 Metal Halide (SCWA)	400	100%	212	35%
400 Metal Halide (CWA)	458	100%	231	23%
400 Metal Halide (SCWA)	455	100%	234	30%
450 Metal Halide (SCWA)	506	100%	275	30%
1000 Metal Halide (CWA)	1080	100%	542	28%
250 High Pressure Sodium (CWA)	295	100%	173	23%
400 High Pressure Sodium (CWA)	464	100%	198	22%
1000 High Pressure Sodium (CWA)	1100	100%	565	37%

KW150S - 50% Lumen

Wattage/Source	Standard System Performance		50% Lumen Reduction at Low	
	Input Wattage	% Lamp Lumens	Input Wattage	% Lamp Performance
250 Metal Halide (CWA)	295	100%	208	50%
320 Metal Halide (SCWA)	370	100%	243	50%
350 Metal Halide (SCWA)	400	100%	255	50%
400 Metal Halide (CWA)	458	100%	322	50%
400 Metal Halide (SCWA)	455	100%	312	50%
450 Metal Halide (SCWA)	506	100%	329	50%
1000 Metal Halide (CWA)	1080	100%	705	50%
250 High Pressure Sodium (CWA)	295	100%	188	50%
400 High Pressure Sodium (CWA)	464	100%	350	50%
1000 High Pressure Sodium (CWA)	1100	100%	680	50%