



**LIGHTING**  
ETC. INCORPORATED

# INS-LW Series

Top view



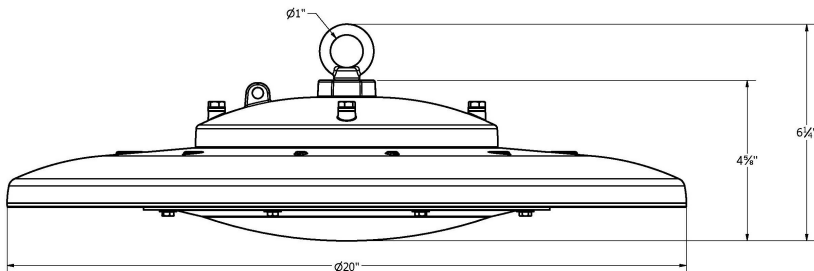
Side view



## Description

The **INS-LW (Silver) Light Washdown Series** is the new **IP65** Lightweight, Low Profile, Class II Low Forward Voltage, Low energy consuming LED in the LEI Industrial Line. The **INS-LW Series** provides an economical, reliable LED alternative to 250-400 watt metal halide fixtures. While other UFO designs are mainly Class I, this provides a safer, low forward voltage alternative, that is quality made and non-ferrous. In addition, the **INS-LW Series** provides dual drivers standard in the 20,000 to 24,000 lumen units, versus most, that utilize only one driver. The **INS-LW Series** light engine provides you with a minimum punch of 135 Lumens per watt, as well as a "Plug and Play" concept out of the box, with a 3 ft, 18/3 pigtail. The Mounting Loop is included and installed with the unit. The **INS-LW Series** is the **IP65** solution for your **light wash-down** applications.

## Dimensions



**NOTES:**

1. Dimensions shown are in inches.
2. All dimensions are approximate.
3. LEI reserves the right to change the design at any time without notice.
4. Base unit weighs approximately 20 pounds without packaging.

Date	Catalog #
Type	Project
Prepared by	Comments

## Features and Specifications

### ENCLOSURE

Robust aluminum main housing, heat sinking aluminum reflector is designed for superior thermal management. Exterior aluminum housing is protected by a Silver Powder coat. Gasketed for IP65 Light Washdown.

### LENS

Clear acrylic in a dome design for maximum strength and improved light distribution is provided standard. Optional Low Glare Acrylic available.

### ELECTRICAL

Universal voltage (120V-277V) drivers standard. Optional 0-10V dimming and motion sensor configurations are available. Custom metal clad boards populated with Samsung 5000K CCT / 80 CRI LED chips standard. Optional 70 CRI is available. **Fixtures come standard with 3' pigtail.**

### MOUNTING

**Center Loop is provided standard** for mounting, unless specified Optional SS Hook. Optional attachment loop also available for use with the stainless steel safety cable.

### CERTIFICATIONS

- ETL listed UL 1598
- ETL Wet location
- IP65

## Warranty

- 3-year or 5-year limited warranty available. (See LEI's LED Warranty for complete details.)

## Ordering Information

### Example Catalog Number – INS3-LW-24L-5K8-U-C-P3

INS3-LW	-	24L	-	5K8	-	U	-	C	-	P3	-	
A		B		C		D		E		F		G
Series		Lumen Package		CCT and CRI		Voltage		Lens		Optional Power End		Optional Controls

### Catalog Logic:

#### A. Series

INS3-LW = Industrial Series (3 year LW)  
INS5-LW = Industrial Series (5 year LW)

#### B. Lumen Package

12L = 12,000  
16L = 16,000  
20L = 20,000  
24L = 24,000

#### C. CCT and CRI

5K8 = 5000K, 80 CRI (Standard)  
5K7 = 5000K, 70 CRI

#### D. Voltage

U = (120V-277V)

#### E. Lens

C = Clear Acrylic - Domed  
F = Low Glare - Domed

#### F. Optional Power End

(P3 standard on all units.)

P3 = 3', 3 wire -18/3 black pigtail  
P4 = 4', 3 wire, 18/3 black pigtail  
PX = X', 3 wire, 18/3 black pigtail  
(specify length)  
R3 = Mini-receptacle, 3 wire male

#### G. Optional Controls or Options

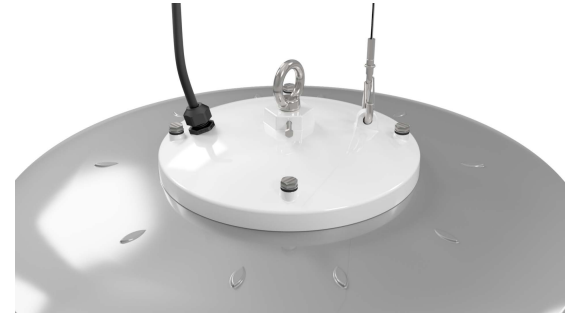
MOS = Microwave Occupancy Sensor  
DMS = Dimming Occupancy Sensor  
SCL = Safety cable loop  
PM = Pendant Mount  
HKS = SS Hook (Shipped Loose)

EBP = External Battery Pack installed.  
(Non-switching only)  
(120-277 only)

## Replacement Parts & Accessories

SC5 Stainless Steel Safety Cable – 5'  
SC10 Stainless Steel Safety Cable – 10'  
INS-LKIT Lens Assembly – Dome, Clear, Acrylic

## Mounting Options



**Optional Safety Cable**  
(Shown with standard provided loop attachment)



**Optional - HKS**

## Performance Data

Lumen Package	Lens (Acrylic)	CCT	Actual Lumens	System Watts	Lumens per Watt	CRI
24L	Clear-Dome	5000K 80 CRI	<b>23,300</b>	<b>168</b>	<b>139</b>	<b>83</b>
20L			<b>19,230</b>	<b>133</b>	<b>146</b>	<b>84</b>
16L			<i>15,384</i>	<i>104</i>	<i>148</i>	<i>83</i>
12L			<i>11,538</i>	<i>78</i>	<i>145</i>	<i>83</i>

*Numbers in italics are calculated using LED manufacturers' data.*

OPERATING RANGE:  
(120-277) = UP TO 35C

Consult factory for all available options & configurations.

