

### Performance Summary:

- Wattage: 160
- Lumens: Up to 21,920 Lumens
- Efficacy: Up to 136 Lumens per Watt
- Kelvin: 4000K, 5000K
- CRI >82
- Mounting: Ships with V-Hooks and (2) 6' chain kits



Project: \_\_\_\_\_ Date: \_\_\_\_\_

Catalog #: \_\_\_\_\_

Notes: \_\_\_\_\_



### Ordering Guide:

<b>ESL</b>	-	<b>LHB</b>	-	<b>2</b>	-	<b>160W</b>	-	<b>2</b>	-	
ESL		TYPE		SIZE		WATTS		GENERATION		KELVIN
		LHB (Lensed High Bay)		2 (2 Foot)		160W (160 Watts)		2 (2nd Generation)		40 (4000 Kelvin) 50 (5000 Kelvin)

### Options & Accessories (Order Separately)

<b>Emergency BBU:</b>	<b>Lens Replacements:</b>
ESL-EMG-BBU (Emergency BBU, 1100 Lumens, 90 min Backup, 120-277 VAC, Factory Installed)	ESL-LHB-24-Lens (110_160W LHB Replacement Lens)
<b>Sensors:</b>	ESL-LHB-26-Lens (210W LHB Replacement Lens)
ESL-KNX-SENF002	ESL-LHB-44-Lens (320W LHB Replacement Lens)
ESL-1OCC-HDO (On/Off Occupancy Sensor, 8' - 41' Mounting)	<b>Wire Guards:</b>
ESL-2OCC-HDD (0-10v Dimming Sensor, 8' - 46' Mounting)	ESL-LHB-24-WG (110-160W LHB Wire Guard)
ESL-REM-100 (Hand Held Remote to Control ESL-2OCC-HDD)	ESL-LHB-26-WG (210W LHB Wire Guard)
<b>Mounting:</b>	ESL-LHB-44-WG (320W LHB Wire Guard)
ESL-LHB-AC-10FT (Aircraft Cable 10 Feet)	<b>Misc. Electrical:</b>
ESL-LHB-AC-16FT (Aircraft Cable 16 Feet)	ESL-SPD-277-1 (Surge Protector; 100-277V)
ESL-LHB-PMKIT (LHB Pendant kit)	ESL-480V-SD01 (480 Volt Step Down Transformer)
ESL-LHB-SFMKIT (LHB Surface Mount Kit)	
ESL-LHB-JC-KIT (LHB Chain Kit)	

\*Not All Part Numbers DLC Qualified. For a Complete Listing Please Consult the DLC Qualified Products List (QPL).

### Product Specifications:

#### Optical:

- Semi-diffused PMMA lens for glare control

#### Construction:

- High performance aluminum heat sink

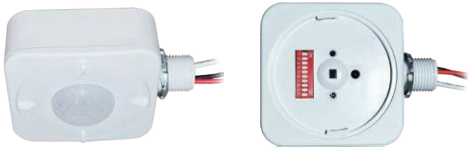
#### Mounting:

- Ships with V-Hooks and (2) 6' chain kits
- Other mounting available in accessories

#### Electrical:

- Input Voltage: 120-277 VAC
- Power Factor @120 VAC - 0.99%, @277 VAC - 0.96%
- THD @120 VAC <10%, @277 VAC <10%
- Operating Temperature: -40°F to 131°F (-40°C to 55°C)
- Surge Protection- 4kV (10kV Optional)
- 1-10V Dimmable
- Konex Network Sensors Available

### Options & Accessories:



#### ESL-1OCC-HDO

Power Supply: 120-277 VAC, 50/60Hz

Maximum Load @ -40°F ~ 167°F:

- Resistive/Tungsten - 600W@ 120V
- Fluorescent Ballast/CFL - 800W/1200W@ 120/277V
- Ballast Electronic (LED) - 800W/1200W@ 120/277V

HF System: 5.8Ghz CW

Sensor Type: Passive Infrared

Sensitivity Adjustment: 20% / 50% / 75% / 100%

Detection Radius/angle: 30ft@40ft Height/360°

Detection Area (square footage): 2826ft<sup>2</sup>@40ft Height/360°

Mounting Height: 40ft

Humidity: Max 95% RH

Temperature: -40°F ~ 167°F (-40°C ~ 75°C)

For more information please see the ESL-1OCC-HDO cut sheet



#### ESL-2OCC-HDD

Power Supply: 120-277 VAC, 50/60Hz

Maximum Load @ -40°F ~ 158°F:

- Incandescent/Halogen - 800W/1200W@ 120/277V
- Fluorescent Ballast/CFL - 800W/1200W@ 120/277V
- Ballast Electronic (LED) - 800/1200VA@ 120/277V

HF System: 5.8Ghz CW

Sensor Type: Microwave

Sensitivity Adjustment: 20% / 50% / 75% / 100%

Dimming Control Output: 0-10V Max. 25mA sinking current

Detection Radius/angle: 30ft@50ft Height/360°

Detection Area (square footage): 2826ft<sup>2</sup>@50ft Height/360°

Mounting Height: 50ft Max

Remote Range: 50ft

Humidity: Max 95% RH

Temperature: -40°F ~ 158°F (-40°C ~ 70°C)

For more information please see the ESL-2OCC-HDD cut sheet



#### ESL-EMG-4DC-9W



#### ESL-REM-100 Programs and Controls ESL-2OCC-HDD

SYSTEM WATTS	DIMENSIONS			WEIGHT Pounds (lbs)
	L	W	H	
110	24.8"	15"	2.2"	7.6
160	24.8"	15"	2.2"	7.6
210	24.8"	18.9"	2.2"	8.8
320	46.5"	18.9"	2.2"	15.43



### Lumen Ambient Temperature (LAT) Multipliers:

AMBIENT		LUMEN MULTIPLIER
0 °C	32°F	1.02
10 °C	50°F	1.01
20 °C	68°F	1
25 °C	77°F	1
30 °C	86°F	1
40 °C	104°F	0.99

### LED Lumen Maintenance:

SYSTEM WATTS	HOURS			
	0	25000	50000	100000
110	100%	95%	90%	81%
160	100%	95%	90%	80%
210	100%	95%	90%	81%
320	100%	96%	91%	82%

### Electrical Load:

SYSTEM WATTS	INPUT CURRENT				INPUT VOLTAGE	INPUT FREQUENCY	POWER FACTOR	THD	OPERATING TEMPERATURE	SURGE PROTECTION	DIMMING
	120 VAC	208 VAC	240 VAC	277 VAC							
110	0.92	0.53	0.46	0.40	120-277 VAC	50/60 Hz	>0.99 @120 VAC >0.96 @277 VAC	<10%	-4°F to 122°F (-20°C to 50°C)	4kV L/N 10kV Optional	1-10V
160	1.33	0.77	0.67	0.58							
210	1.75	1.01	0.88	0.76							
320	2.67	1.54	1.33	1.16							

### Catalog Data:

ESL	TYPE	SIZE	WATTAGE	GENERATION	KELVIN			KELVIN			
					4000K (40)			5000K (50)			
					LUMENS	LPW	DLC QPL	LUMENS	LPW	DLC QPL	
					ESL-LHB-2-110W-2	14,510	131	P8HW7H1G	15,070	137	PJ66ZUD6
					ESL-LHB-2-160W-2	21,760	136	PFVLEVXS	21,920	136	POPCKUUA
					ESL-LHB-2-210W-2	28,560	136	PF5KR84I	28,770	136	PRFN116W
					ESL-LHB-4-320W-2	44,160	138	PT8N94K9	44,480	139	PPZZPAGP