

Key Features & Benefits:

- Field Installable Konex Controls
- Standard 5' Cord
- White or Black Finish Available
- 1–10V Dimmable

Product Specifications:

Wattage: 90W
 Kelvin: 5000K
 Lumens: 14,400 lm
 Efficacy: 160 lm/W
 Input Power: 120–277VAC
 Beam Angle: 90°
 Surge Protection: 6kV
 CRI: >82
 Temperature Operating Range: -40°F to 122°F

Project: _____

Date: _____

Catalog #: _____

Notes: _____



Easy Field Installation of Optional Sensors or Konex Power Pack Controls with No Extra Wiring using Removable Shorting Cap



Ordering Guide:

ESL	TYPE	WATTAGE	GENERATION	KELVIN	FINISH	BEAM ANGLE	OPTOINS
ESL	ERHB (ERHB) Economy Round High Bay	90W (90W) 90 WATTS	1 (1) 1st Generation	50 (50) 5000 Kelvin	ff (WH) White (BK) Black	90D (90D) 90 Degrees	

FACTORY INSTALLED OPTIONS

EM30	Emergency back up battery unit, 30 watt output, 90 min backup, 100–347 VAC, factory installed
CS3W6P	Cord set, 3 conductor, 18 gauge, white, 6 foot length, straight blade plug
CS3B6P	Cord set, 3 conductor, 18 gauge, black, 6 foot length, straight blade plug
CS3B6TL5	Cord set, 3 conductor, 18 gauge, black, 6 foot length, twist lock, NEMA L5–15 — 120V
CS3B6TL6	Cord set, 3 conductor, 18 gauge, black, 6 foot length, twist lock, NEMA L6–15 — 240V
CS3B6TL7	Cord set, 3 conductor, 18 gauge, black, 6 foot length, twist lock, NEMA L7–15 — 277V
ESL-EMG-REM1	Hand held remote to program EMG HB1

FIELD INSTALLED ACCESSORIES

ESL-KNX-FS7-RPP	Konex Occupancy Sensor with integrated RPP Controller, for Konex high mount receptacles. 120–277 VAC with power statistics.
ESL-KNX-RPP-003	Konex Power Pack Relay Controller, use with KNX sensors/wall switches for wireless dimming control. 120–277VAC with power statistics.
ESL-9OCC-LV-HDD	High bay occupancy sensor for Konex receptacle, 12V input, up to 40' mounting, microwave, 0–10V dimming. REM-100 programmable.
ESL-REM-100	Wireless remote to control ESL-9OCC-LV-HDD
ESL-RHB1-CMA	Conduit mount adapter, 3/4" NPT, side hole allows for wiring in conduit
ESL-RHB1-LOOP	Stainless steel eyebolt mount
ESL-ERHB1-BK-TM	ERHB series trunnion mount, black finish
ESL-ERHB1-WH-TM	ERHB series trunnion mount, white finish
ESL-ERHB1-WG-BK	Wire guard cover for ERHB series black finish
ESL-ERHB1-WG-WH	Wire guard cover for ERHB series white finish
ESL-ERHB1-ARF-S	Aluminum reflector for ERHB series 90W and 135W
ESL-ERHB1-ARF-L	Aluminum reflector for ERHB series 180W
ESL-EMG-REM1	Hand held remote to program EMG HB1

Catalog Data:

ITEM#	WATTAGE	KELVIN	MAX LUMEN OUTPUT	EFFICACY (lm/W)	DIMENSIONS
ESL-ERHB-90W-150-WH-90D	90	5000K	15,783	162	10.85" x 3.95"
ESL-ERHB-90W-150-BK-90D					
ESL-ERHB-135W-150-WH-90D	135	5000K	22,080	162	10.85" x 3.95"
ESL-ERHB-135W-150-BK-90D					
ESL-ERHB-180W-150-WH-90D	180	5000K	29,959	162	12.42" x 3.95"
ESL-ERHB-180W-150-BK-90D					

Lumen Ambient Temperature (LAT) Multipliers:

AMBIENT		LUMEN MULTIPLIER
0 °C	32 °F	1.02
10 °C	50 °F	1.01
20 °C	68 °F	1.00
25 °C	77 °F	1.00
30 °C	86 °F	1.00
40 °C	104 °F	0.99
50 °C	122 °F	0.96

Comparison Technology:

SYSTEM WATTS	DESCRIPTION
90	175W Metal Halide
135	250W Metal Halide
180	400W Metal Halide

Unified Glare Rating (UGR):

BEAM ANGLE	UGR
60°	27
120°	32.7
90° (Aluminum Reflector)	22.7

LED Lumen Maintenance:

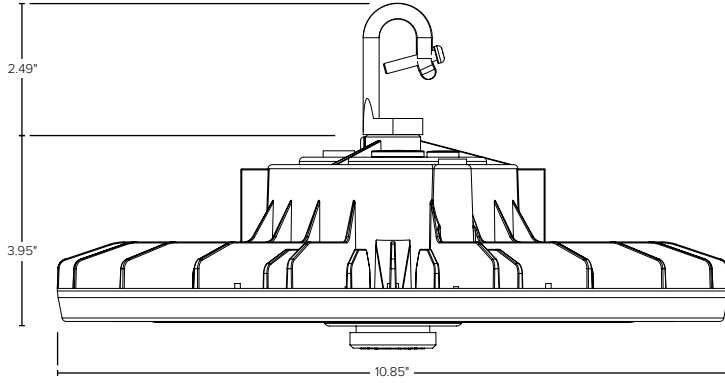
SYSTEM WATTS	HOURS			
	0	25,000	50,000	100,000
90	100%	94%	90%	80%
135	100%	94%	89%	79%
180	100%	92%	87%	76%

Electrical Load — Standard Voltage:

SYSTEM WATTS	INPUT CURRENT				INPUT VOLTAGE	INPUT FREQUENCY	INPUT CURRENT	POWER FACTOR	THD	OPERATING TEMPERATURE	SURGE PROTECTION	DIMMING
	120 VAC	208 VAC	240 VAC	277 VAC								
90	0.75	0.43	0.38	0.32	120–277 VAC	50/60 Hz	1.1 AMP@120VAC	>0.9	<15%	-40°F to 122°F (-40°C to 50°C)	6kV/4kV per ANSI C82.77-5-2015	1–10V 12V Aux
135	1.13	0.65	0.56	0.49	120–277VAC	50/60 Hz	1.4 AMP@120VAC					
180	1.50	0.87	0.75	0.65	120–277VAC	50/60 Hz	2.2 AMP@120VAC					

Dimensions:

90 Watt and 135 Watt



180 Watt

