

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-ACCS-CMA2 | 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 | DLC QPL CODE |
|--------------------------|---------|--------|------------------|-----------------|----------------|--------------|
| ESL-ERHB-90W-150-WH-90D | 90 | 5000K | 15,783 | 162 | 10.85" x 3.95" | S-XNH2WJ |
| ESL-ERHB-90W-150-BK-90D | | | | | | |
| ESL-ERHB-135W-150-WH-90D | 135 | 5000K | 22,080 | 162 | 10.85" x 3.95" | S-7CADOS |
| ESL-ERHB-135W-150-BK-90D | | | | | | |
| ESL-ERHB-180W-150-WH-90D | 180 | 5000K | 29,959 | 162 | 12.42" x 3.95" | S-0WF0B9 |
| 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:

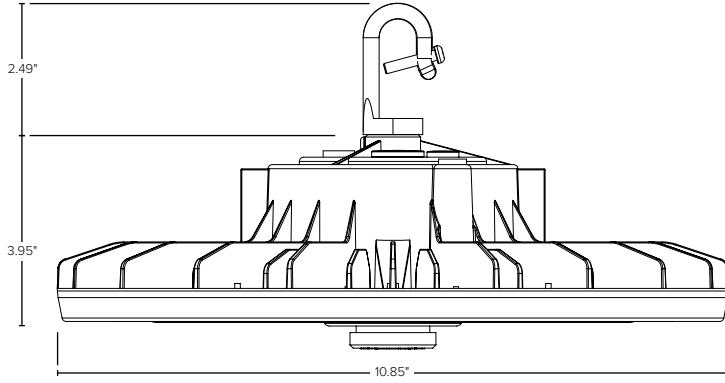
| SYSTEM WATTS | HOURS | | | |
|--------------|-------|--------|--------|---------|
| | 0 | 25,000 | 50,000 | 100,000 |
| 90 | 100% | 94% | 90% | 80% |
| 135 | 100% | 94% | 89% | 79% |
| 180 | 100% | 92% | 87% | 76% |

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

