

## Key Features & Benefits:

- Field Installable Konex Controls
- Standard 5' Cord
- White or Black Finish Available
- 1–10V Dimmable
- 6kV Surge Protection

Project:

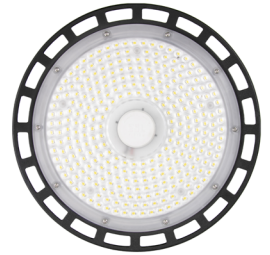
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Catalog #:

Notes:

## Product Specifications:

Wattage: 135W  
 Kelvin: 5000K  
 Max Lumen Output: 22,080 Lumens  
 Max Efficacy: 162 lm/W  
 Voltage: 120–277 VAC  
 Input Frequency: 50/60 Hz  
 Operating Temperature: -40°F to 131°F (-40°C to +55°C)  
 Dimming: 1–10V  
 Dimming Range: 10-100%  
 CRI: >82  
 Beam Angle: 90°  
 Cord Length: 5  
 Dimensions: L12.99" x W12.99" x H3.94"  
 Weight (lbs): 5.29  
 Finish: BK (Black)  
 L70 Lifetime Calculated per TM21: 160,000 hours  
 Warranty: 5 Year



## Ordering Guide:

| ESL | TYPE                         | WATTS                                                  | GEN         | KELVIN           | VOLTAGE             | FINISH                   | LENS | BEAM ANGLE        |
|-----|------------------------------|--------------------------------------------------------|-------------|------------------|---------------------|--------------------------|------|-------------------|
| ESL | ERHB                         | 135W                                                   | 1           | 50K              |                     | BK                       |      | 90°D              |
|     | (ERHB) Economy Round Highbay | (90W) 90 Watts<br>(135W) 135 Watts<br>(180W) 180 Watts | (1) 1st Gen | (50) 5000 Kelvin | (BLANK) 120–277 VAC | (BK) Black<br>(WH) White |      | (90D) 90° Default |

### FACTORY INSTALLED OPTIONS

|          |                                                                                                                                                  |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 I5-15 — 120 VAC                                                          |
| CS3B6TL6 | Cord Set, 3 Conductor, 18 Gauge, Black, 6 Foot Length, Twist Lock, NEMA I6-15 — 240 VAC                                                          |
| CS3B6TL7 | Cord Set, 3 Conductor, 18 Gauge, Black, 6 Foot Length, Twist Lock, NEMA I7-15 — 277 VAC                                                          |
| CS5W6W   | Cord Set, 5 Conductor, 18 Gauge, White, Whip End                                                                                                 |
| CS5B6W   | Cord Set, 5 Conductor, 18 Gauge, Black, Whip End                                                                                                 |
| EM30*    | Emergency Backup Battery Unit, Auto Test Function, 40 Watts Output, 90 Minutes Min, 100-347 VAC Input, 170 VDC Output, Factory Install, Title 20 |

\*EMG is not compatible with KNX accessories

### FIELD INSTALLED ACCESSORIES

|                    |                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ESL-KNX-2-FS7-RPP* | Konex Occupancy Sensor with Integrated RPP Controller. Field Installed Utilizing Twist Lock Design for Twist Connect Receptacles. 120-277 VAC with Power Statistics                                                    |
| ESL-KNX-2-RPP-003* | Konex Power Pack Relay Controller. Use with Konex Sensors or Wall Switches for Wireless Dimming Control. Field Installed Utilizing Twist Lock Design for Twist Connect Receptacles. 120-277 VAC with Power Statistics. |
| ESL-9OCC-LV-HDD    | High Bay Occupancy Sensor for Twist Connect Receptacles, 12V Input, Daylight Harvesting, 40ft Mounting, Microwave Sensor, Step Dimming                                                                                 |
| ESL-6OCC           | High Bay Occupancy Sensor for Twist Connect Receptacles, 12-24 VDC, Daylight Harvesting, 40ft Mounting, PIR Sensor                                                                                                     |
| ESL-ACCS-CMA2      | Conduit Mount Adapter for ERHB Series. 3/4" NPT. Side Hole Allows for Wiring in Conduit                                                                                                                                |
| ESL-RHB1-LOOP      | Stainless Steel Eye Bolt Mount                                                                                                                                                                                         |
| ESL-ERHB1-ff-TM    | Trunnion Mount for ERHB Series: (BK) Black Finish, (WH) White Finish, (BZ) Bronze Finish                                                                                                                               |
| ESL-ERHB1-WG-BKBZ  | Wire Guard Cover for ERHB Series. Black Finish. Field Installed.                                                                                                                                                       |
| ESL-ERHB1-WG-WH    | Wire Guard Cover for ERHB Series. White Finish. Field Installed.                                                                                                                                                       |
| ESL-ERHB1-ARF-S    | Aluminum Reflector for ERHB Series. 90W and 135W. Field Installed.                                                                                                                                                     |
| ESL-ERHB1-ARF-L    | Aluminum Reflector for ERHB Series. 180W. Field Installed.                                                                                                                                                             |
| ESL-ERHB1-PCRF-S   | PC Reflector for ERHB Series 90W and 135W                                                                                                                                                                              |
| ESL-ERHB1-PCRF-L   | PC Reflector for ERHB Series 180W                                                                                                                                                                                      |
| ESL-EMG-REM1       | Hand-held Remote to Program EM30                                                                                                                                                                                       |
| ESL-REM-100        | Hand-held Remote for 9OCC, 6OCC                                                                                                                                                                                        |

\*EMG is not compatible with KNX accessories

### 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 |         |        |                  |                 |                |              |

### 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%     |

### Unified Glare Rating (UGR):

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

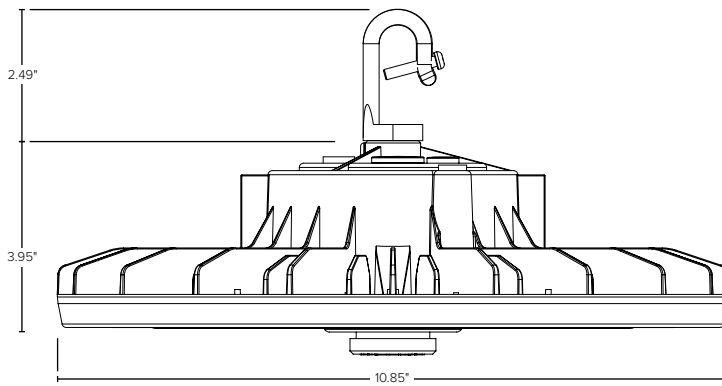
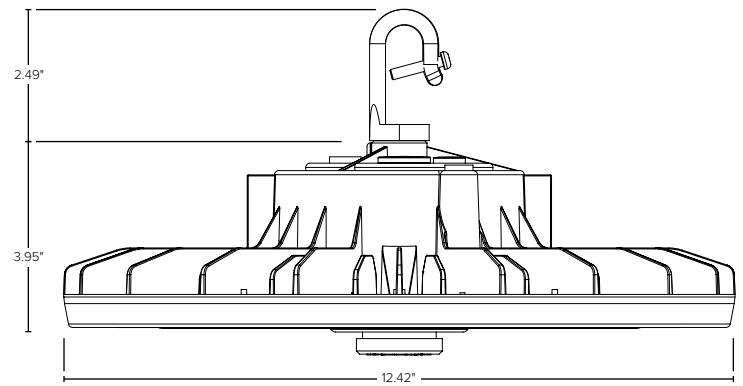
### Comparison Technology:

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

## 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@120 VAC | >0.9         | <15% | -40°F to 122°F<br>(-40°C to 50°C) | 6kV/4kV<br>per ANSI<br>C82.77-5-<br>2015 | 1–10V<br>12V Aux |
| 135          | 1.13          | 0.65    | 0.56    | 0.49    | 120–277 VAC   | 50/60 Hz        | 1.4 AMP@120 VAC |              |      |                                   |                                          |                  |
| 180          | 1.50          | 0.87    | 0.75    | 0.65    | 120–277 VAC   | 50/60 Hz        | 2.2 AMP@120 VAC |              |      |                                   |                                          |                  |

## Dimensions:

**90 Watt & 135 Watt**

**180 Watt**


## 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             |