# Halco
## LIGHTING TECHNOLOGIES ®

## LED Luminaires

**ES** *Essential* Series

## Essential Round Highbay

- Lumen Packages Covering 14,000 to 33,000 Lumens
- Multiple Mounting Options
- Easy Plug and Play DC Bi-Level Motion Sensor
- DLC 5.1 Premium
- "Driver on Top" Design for Greater Heat Dissipation versus Driver on Board (DOB) Products

**ProLED®**   DLC LISTED PREMIUM   c UL us   RoHS COMPLIANT   FC

## Specifications

### Description

The Essential Round Highbay offers the perfect balance of affordability and performance for a wide array of applications including warehouses, gymnasiums, big box stores, and showrooms. In addition to its excellent lumen efficacy and longevity its powder coated die-cast aluminum housing and polycarbonate lens, along with its IP65 Wet Location rating delivers a robust and high preforming luminaire. Finally, the Essential Round Highbay offers excellent versatility and ease of installation through its included 6' cord and 1/2" NPT steel hook and optional yoke and pendant mounts.

### Performance

- 100, 150, 200, and 240 wattage options
- Lumen efficacy of 138-140
- L70 lumen maintenance of 50,000 hours
- Built in 6kv surge protection
- 5 year limited warranty
- 120-277 VAC Input
- Standard 6' 18/3 shielded power cord

### Certifications

- UL
- cUL
- FCC
- RoHS
- IP65 wet location rated
- DLC 5.1 premium

### Construction

- DOT (Driver on Top) die-cast aluminum housing with powder coated black finish
- 90 degree polycarbonate (PC) lens
- 1/2" NPT steel hook (standard)
- Yoke mount bracket (accessory)
- Integrated 6kv surge protection

### Controls

- 0-10 V dimming standard
- Bi-level motion sensor (accessory)

### Applications

- Warehouses
- Gymnasiums
- Big box and retail stores
- Manufacturing
- Showrooms

# Essential Round Highbay

## Product Description

Ordering Logic: Ex: ERHB-100-50-U

| Series | | Wattage | | CCT | | Voltage |
|---|---|---|---|---|---|---|
| **ERHB** = Essential Round Highbay | - | **100** = 100W 14,000lm<br>**150** = 150W 21,000lm<br>**200** = 200W 28,000lm<br>**240** = 240W 33,000lm | - | **50** = 5000K | - | **U** = Universal 120-277VAC |

*When using HRHB-BBU-EM battery and DCMS Motion Sensor, DCMS sensor must be set to ∞ standby time on the motion sensor remote. This setting allows fixture to not turn off in EM mode.

## Ordering Information

| Stock SKU's | | |
|---|---|---|
| **Product SKU** | **Product Code** | **Product Description** |
| 37300 | ERHB-100-50-U | ProLED Essential Round Highbay 100W, 5000K, Universal Voltage 120-277VAC, 0-10V Dimming, Black |
| 37301 | ERHB-150-50-U | ProLED Essential Round Highbay 150W, 5000K, Universal Voltage 120-277VAC, 0-10V Dimming, Black |
| 37302 | ERHB-200-50-U | ProLED Essential Round Highbay 200W, 5000K, Universal Voltage 120-277VAC, 0-10V Dimming, Black |
| 37303 | ERHB-240-50-U | ProLED Essential Round Highbay 240W, 5000K, Universal Voltage 120-277VAC, 0-10V Dimming, Black |

| Accessories | | |
|---|---|---|
| **Product SKU** | **Product Code** | **Product Description** |
| 24875 | DCMS | DC Bi-Level Motion Sensor |
| 24876 | DCMS-REM | DC Motion Bi-Level Motion Sensor Remote |
| 37304 | ERHB-PC | Essential Round Highbay Polycarbonate Reflector |
| 37305 | ERHB-AL | Essential Round Highbay Aluminum Reflector |
| 37306 | ERHB-WG | Essential Round Highbay Wire Guard |
| 37307 | ERHB-YB | Essential Round Highbay Yoke Mount Bracket |
| 37308 | ERHB-PA | Essential Round Highbay Pendant Mount Adapter |
| 30273 | HRHB-BBU-30 | HoverBay Round Highbay EM Pack 30 Watt |

| DATE: | LOCATION: |
| TYPE: | PROJECT: |
| CATALOG #: | |

# Essential Round Highbay

## Specifications Table

| | ERHB-100-50-U | ERHB-150-50-U | ERHB-200-50-U | ERHB-240-50-U |
|---|---|---|---|---|
| Base Wattage | 100W | 150W | 200W | 240W |
| Selectable CCT | 5000K | 5000K | 5000K | 5000K |
| Lumens | 14000 | 21000 | 28000 | 33000 |
| Efficacy | 140 | 140 | 140 | 138 |
| Amperage | 120VAC (0.83A) 277VAC (.036A) | 120VAC (1.25A) 277VAC (0.54A) | 120VAC (1.67A) 277VAC (0.72A) | 120VAC (1.67A) 277VAC (0.87A) |
| Distribution | 90 Degree | | | |
| CRI | >80 CRI | | | |
| L70 Lifetime (Hrs) | >50,000Hrs | | | |
| Voltage | Universal 120-277VAC | | | |
| Power Factor | 0.9 | | | |
| Dimming | 0-10VDC Dimming | | | |
| Surge Protection | 6kv Driver Surge Protection | | | |
| Housing | Die-cast Aluminum with Powder Coated Finish | | | |
| Lens | Polycarbonate Lens | | | |
| Op. Temperature | -30°C to 50°C | | | |
| Listings | UL, cUL, DLC Premium, FCC, RoHS | | | |
| Environment | IP65 Wet Rated | | | |
| Warranty | 5 Years Standard | | | |

## Performance Table

| 5000K | | | |
|---|---|---|---|
| Product Code | Wattage | Lumen(lm) | Efficacy(lm/W) |
| ERHB-100-50-U | 100 | 14000 | 140 |
| ERHB-150-50-U | 150 | 21000 | 140 |
| ERHB-200-50-U | 200 | 28000 | 140 |
| ERHB-240-50-U | 240 | 33000 | 138 |

| DATE: | LOCATION: |
|---|---|
| TYPE: | PROJECT: |
| CATALOG #: | |

# Essential Round Highbay

## Dimensions

**Essential Round Highbay Dimensions**

### ERHB-100-50-U



### ERHB-150-50-U



### ERHB-200-50-U



### ERHB-240-50-U

| DATE: | LOCATION: |
|---|---|
| TYPE: | PROJECT: |
| CATALOG #: | |
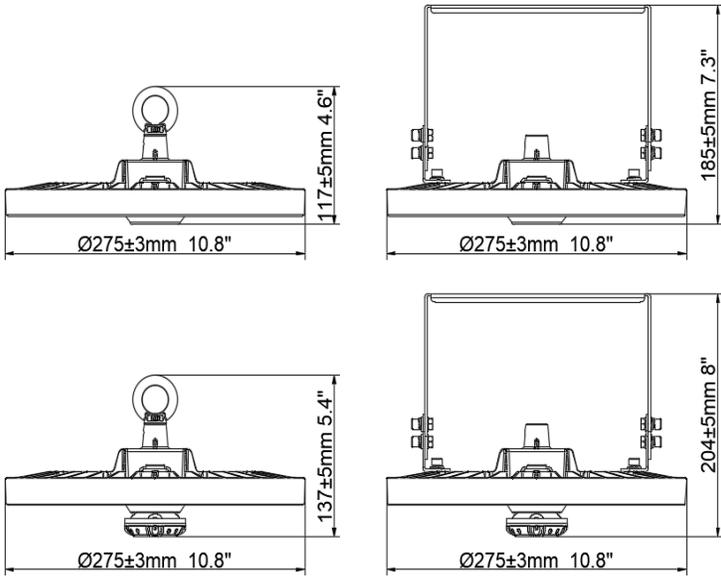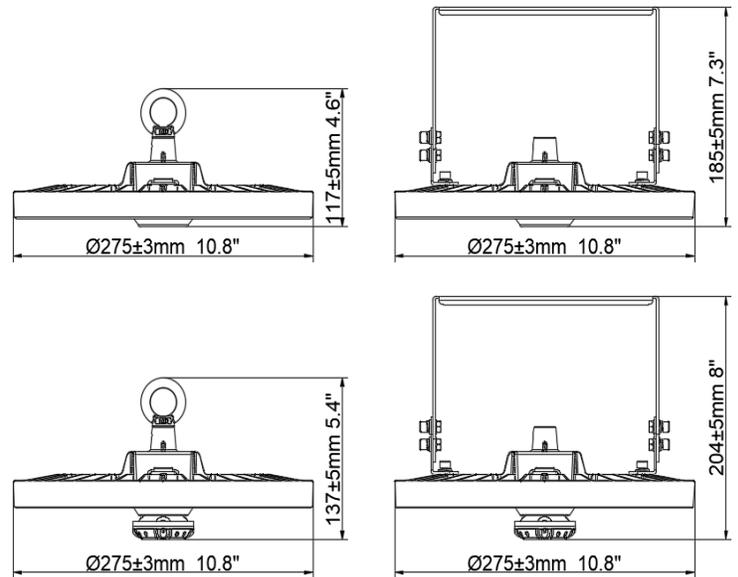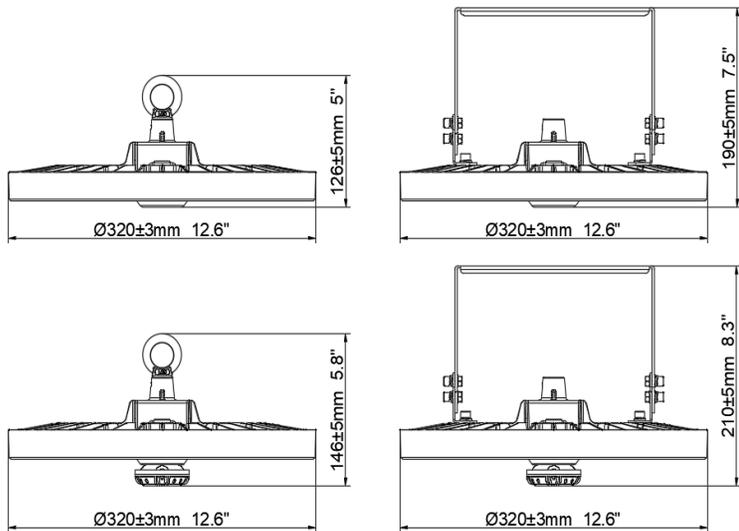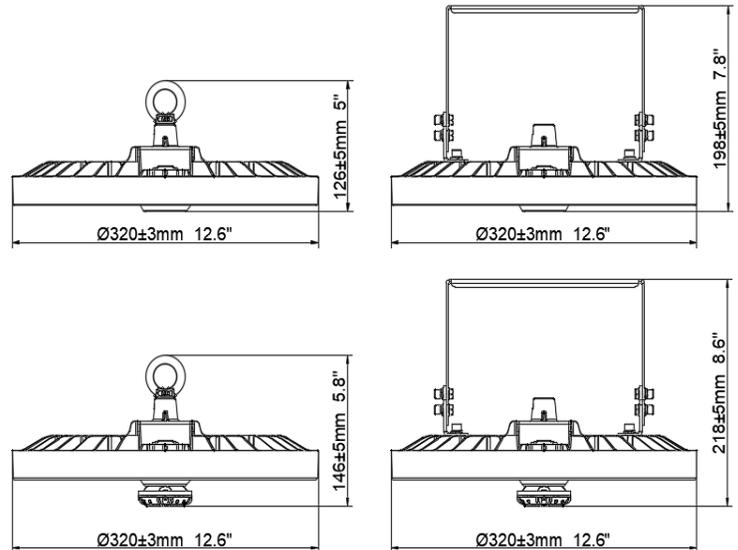
# Essential Round Highbay
## Photometrics

*The below diagrams and zonal lumen summaries represent each fixture at highest wattage selection and at 5000K. For complete photometry/IES files, please contact the factory.

### ERHB-100-50-U



### ERHB-150-50-U



### ERHB-200-50-U



### ERHB-240-50-U

DATE: _____ LOCATION: _____
TYPE: _____ PROJECT: _____
CATALOG #: _____
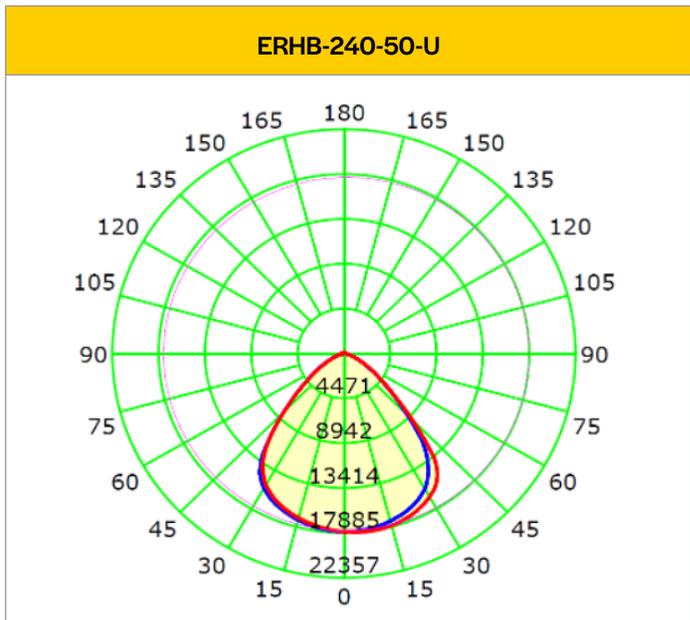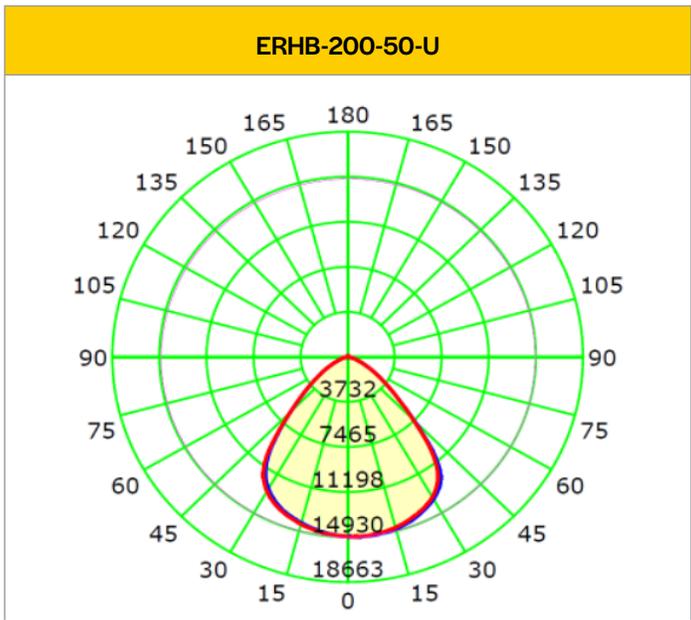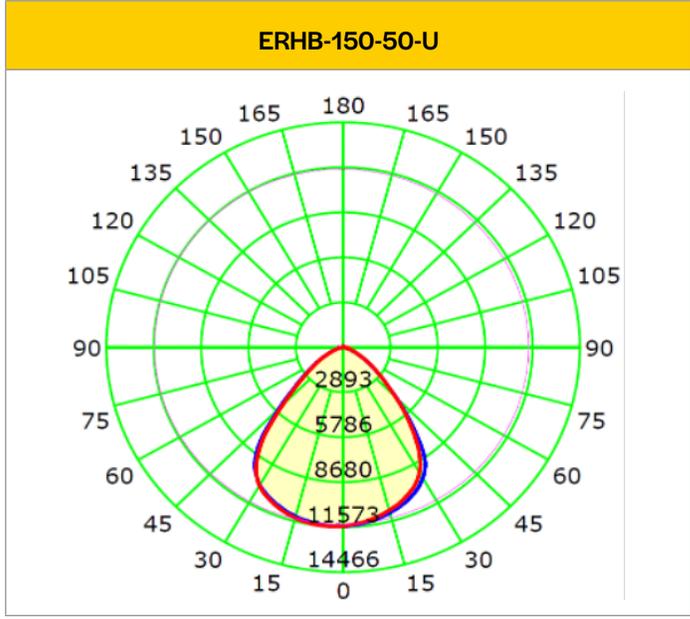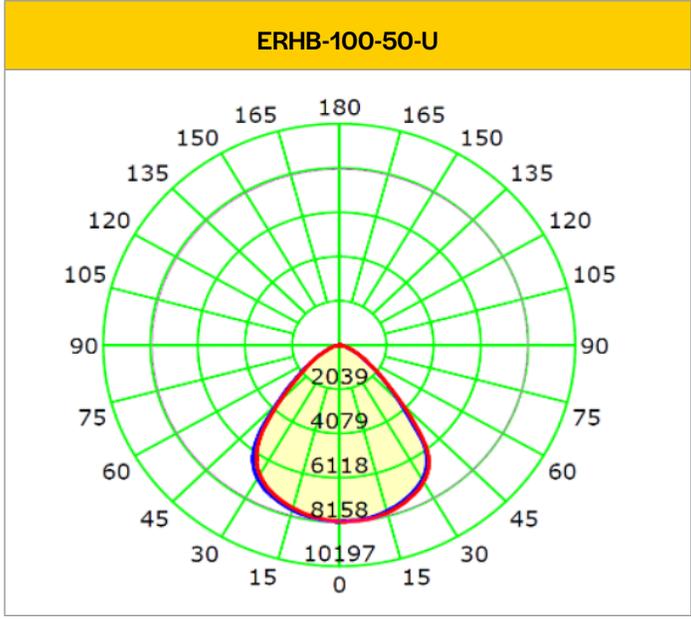
# Essential Round Highbay
## Controls

**Quick Install Controls  -  Sold Separately**

| DC Occupancy Sensor | | |
| --- | --- | --- |
| **Product SKU** | **Product Code** | **Description** |
| 24875 | DCMS | DC Bi-Level Motion Sensor |

| DC Occupancy Sensor | | |
| --- | --- | --- |
| **Product SKU** | **Product Code** | **Description** |
| 24876 | DCMS-REM | DC Bi-Level Motion Sensor Remote |

A

1/2 knockout

sensor kit

B

On/off control

Stand-by dimming level

Detection area

Remote control setting

Hold time

10-15M Highbay altitude

Daylight sensor

warranty 5 years

Stand-by period
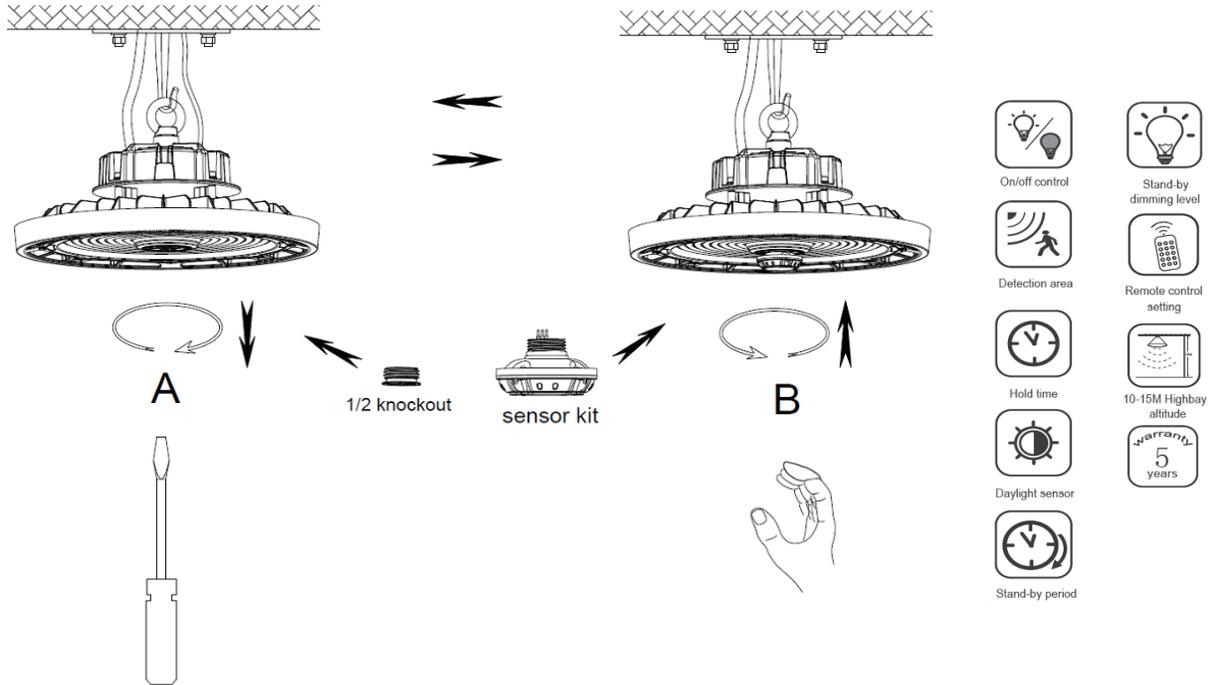
**DCMS Motion Sensor Default Settings**
Brightness Level: 100%
Hold Time: 1 Minute
Stand-by Dimming Level: 20%
Stand-by Time: 1 Minute
Sensitivity: 100%
Daylight Sensing: Disabled

**Quick Installation Instructions**
1. Ensure power is not applied at fixture
2. Unscrew 1/2" knockout with screwdriver as illustrated
3. Screw in DCMS Bi-Level Motion Sensor (Hand Tight)
4. Reapply power to fixture
5. Use Factory Settings on DCMS, or program settings with the DCMS Remote Daylight Sensing: Disabled