

Project Name	Type
Catalog #	Date

ROUND HIGH BAY LED LIGHTING

RHB LED



APPLICATIONS

- Manufacturing Plants
- Industrial Facilities
- Retail
- Warehouses

APPROVALS

- ETL Listed to UL1598 and CSA C22.2#250.0.0:2008
- IP65 Driver and IP66 Optical enclosure
- BAA Compliant.
- RoHS Compliant.
- Appropriate parts/test guidelines were performed by ATAL www.ata-labs.com
- Select models DLC Qualified. For a complete list of DLC Qualified products, please visit: <http://www.xtralight.com/dlc> or www.designlights.org/qpl

1. 48D driver option is not DLC listed.

FEATURES

- Up to 29941 Lm delivered with uniform light distribution
- Operating temperature: -40°C to +50°C (-40°F to +122°F).
- Mounting height ranges from 12 - 40 feet depending on the lumen package and accessories.
- LED provides significant energy savings than HID, providing you substantial savings in your electric bill.
- PIR, motion (OOS), and photo/motion (FSP) sensor options available, factory-installed.
- Standard color: Black. White finish available

CONSTRUCTION

- Housing is die-cast aluminum which provides excellent thermal management for rapid heat dissipation.
- Electrostatically applied black powder coat finish standard. White finish option available.
- Clear tempered glass flat lens.

MOUNTING

- Easily mount to existing pendant with 1/2" NPT threads. Other mounting options include hook, trunnion, loop, adjustable cable, 3/4" NPT pendant adapter and quick hang adaptor for existing eye bolts.
- Quick Hang System available

ACCESSORIES

- Prismatic Frosted Refractor (Acrylic)
- Prismatic Clear Ribbed Refractor (Acrylic)
- Satin Aluminum Reflector (Anodized)
- Flat clear bottom lens or conical clear ribbed bottom lens.
- Widebay clear acrylic or clear polycarbonate lens.
- Junction Box (included when a sensor is ordered).
- Wire Guard

WARRANTY

- Backed by XtraLight's industry leading 10-year warranty.

ELECTRICAL

ORDER LOGIC

SAMPLE CATALOG NUMBER: RHB-12000L-50K-DIM

RHB	-	-	-	-	-	-
MODEL	CCT	DRIVER	OPTIONS			
12000L	30K 3000K	DIM 120-277V Dimming	OOSN	Occupancy Sensor 25-40' H x 20-60' dia. No Reflector/Refractor	HK	Hook
18000L	35K 3500K		OOSR	Occupancy Sensor 25-40' H x 20-60' dia. With Reflector/Refractor	TN	Trunnion
24000L	40K 4000K	48D ¹² 347-480V Dimming	FSP2N	Occ upancy Sensor 8' H x 40' dia. No Reflector/Refractor	LP	Loop
30000L	50K 5000K		FSP2R	Occupancy Sensor 8' H x 40' dia. With Reflector/Refractor	34	3/4" NPT Pendant Adapter
			FSP3N	Occupancy Sensor 20' H x 40' dia. No Reflector/Refractor	ACH	Adjustable Cable Hanger Plate
			FSP3R	Occupancy Sensor 20' H x 40' dia. With Reflector/Refractor	WG	Wire Guard
			FSP7N	Occupancy Sensor 40' H x 100' dia. No Reflector/Refractor	XXPL	120V 15A Straight Blade Plug with 16/3 SOOW Black Cord, XX=Length in Feet.
			FSP7R	Occupancy Sensor 40' H x 100' dia. With Reflector/Refractor	XX	16/3 SOOW Black Cord, XX=Length in Feet
					WH	White Finish mi

2. 48D is rectangular

RHB LED
200412



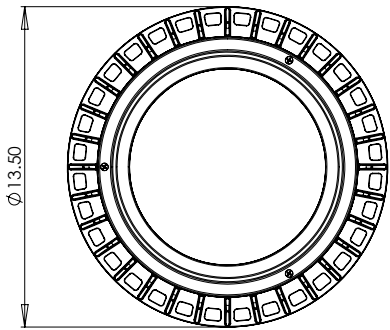
www.XLM.com • (800) 678-6960 • customerservice@XLM.com

All information is believed to be accurate at the time of publication. Please contact customer service or visit www.XLM.com for the most updated product specifications. XtraLight® reserves the right to change specifications without notice.

ROUND HIGH BAY LED

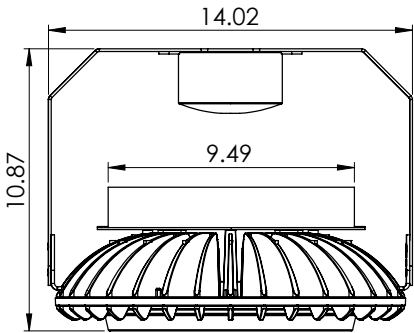
RHB LED

DIMENSIONAL DATA

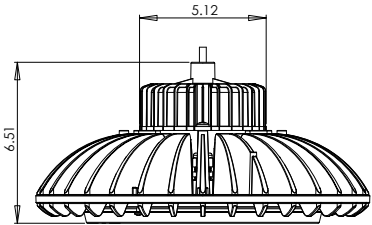


BOTTOM VIEW

Shown with 48D Dimming Driver

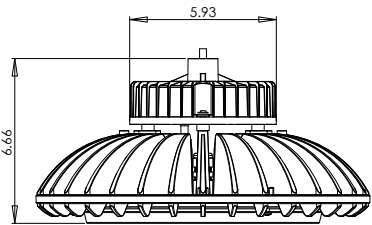


RHB-12000L



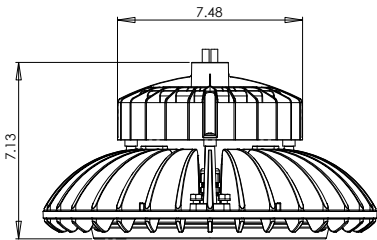
Weight - 15.4 lbs.

RHB-18000L



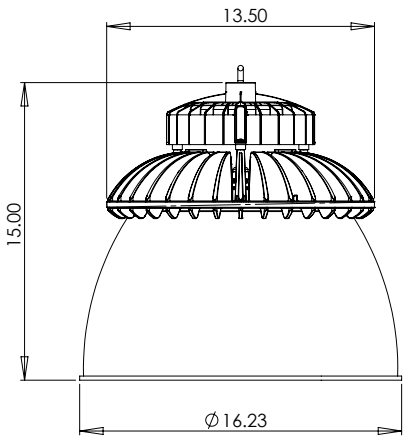
Weight - 16.5 lbs.

RHB-24000L

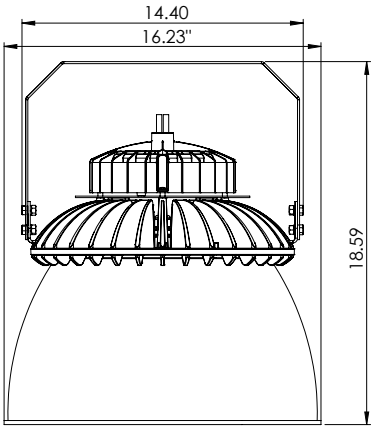


Weight - 17.8 lbs.

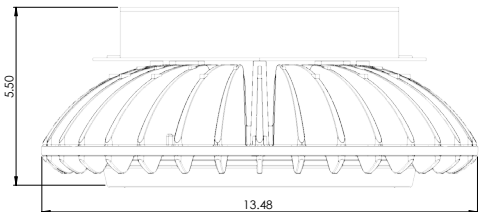
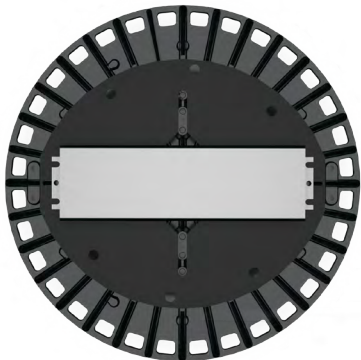
Shown With Reflector
Accessory



Shown With Reflector Accessory
and Trunnion Mount



With 48D Driver and ACH plate



ROUND HIGH BAY LED

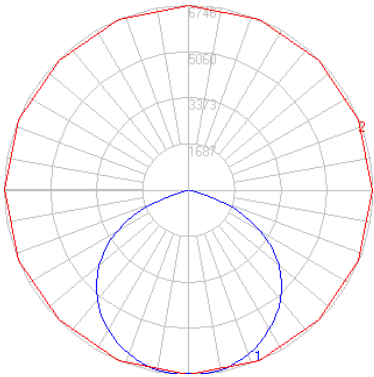
RHB LED

PHOTOMETRIC DATA

RHB-18000L-50K-DIM

Catalog Number:
RHB-18000L-50K-DIM

Report Number: ATAL026509.ies
Issue Date: 10/10/18
Lens/Optics: Clear Glass Lens
CCT: 5000K
IESNA: LM-63-2002
Total Input Watts: 130.1
Efficacy (Lm/W): 143.0
Total Lumens: 18609
Prepared by: American Testing & Assessment Laboratory
NOTE: Data shown is absolute for product shown.

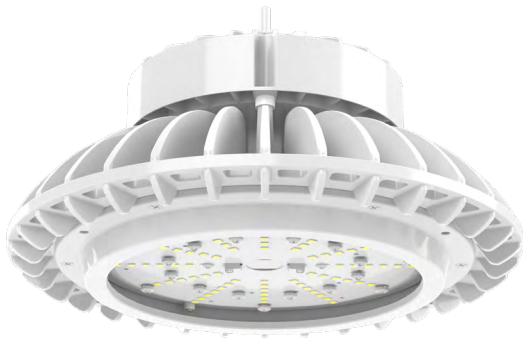


PRODUCT PERFORMANCE

MODEL	CCT	WATTS	LUMENS	EFFICACY
12000L	5000K	84.6	12176	143.9 LPW
18000L	5000K	130.1	18609	143.0 LPW
24000L	5000K	194.6	25721	132.1 LPW
30000L	5000K	234.3	29441	125.7 LPW

Model	CCT	Lumens	System Wattage	Lm/W
12000L	3000K	11709	86.7	135.0
	3500K	11073	86.1	128.6
	4000K	12166	86.3	140.9
	5000K	12176	84.6	143.9
18000L	3000K	15791	119.5	132.1
	3500K	15002	118.3	126.8
	4000K	18578	134.1	138.5
	5000K	18609	130.1	143.0
24000L	3000K	23510	195.4	120.3
	3500K	22444	193.5	115.9
	4000K	25202	198.5	126.9
	5000K	25721	194.6	132.1
30000L	5000K	29441	234.3	125.7

COLOR OPTIONS



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LIGHTING CONTROLS

Passive Infrared (PIR) Photo/Motion Sensor



Adjustable Control Parameters [Defaults]

HIGH Mode - sensor detects motion, light output will RAMP UP to HIGH [DEFAULT = 10V].

LOW Mode - sensor stops detecting motion, TIME DELAY expires, light output will FADE DOWN to LOW [DEFAULT = 1V].

TIME DELAY - period that must elapse after sensor stops detecting motion, resuming LOW mode [DEFAULT = 5 MINUTES].

CUT OFF - period that must elapse after resuming LOW mode before luminaire is switched OFF [DEFAULT = 1 HOUR].

SENSITIVITY - response of the PIR to motion within the sensor coverage area [DEFAULT = MAXIMUM].

SETPoint - when enabled, the selectable ambient light level that will hold the luminaire OFF or LOW when motion is detected [DEFAULT = DISABLED].

PHOTOCELL - when enabled, sensor will force the load OFF after the ambient light has exceeded the SETPOINT for at least one minute, or ON when the ambient light level goes below the SETPOINT [DEFAULT = DISABLED].

RAMP UP TIME - period for light output to change from LOW to HIGH [DEFAULT = DISABLED, instantly to HIGH].

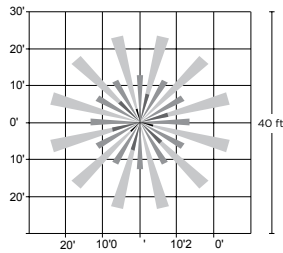
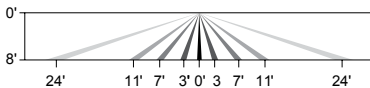
FADE DOWN TIME - period for light output to change from HIGH to LOW [DEFAULT = DISABLED, instantly to LOW].

LOCK SETTINGS - time delayed IR communication lock initiated from a FSIR-100 handheld remote to prevent unauthorized changes to the parameters. [DEFAULT = DISABLED].

Sensor Coverage Options

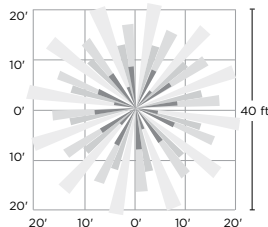
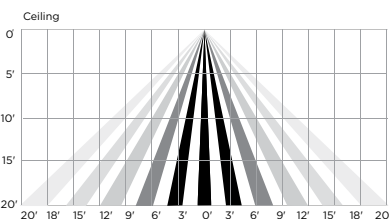
OPTION FSP2

FSP-211L2 8' Mounting Height
40' Diameter



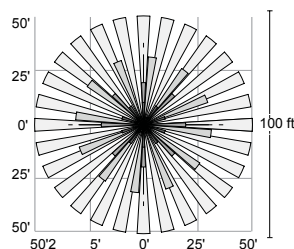
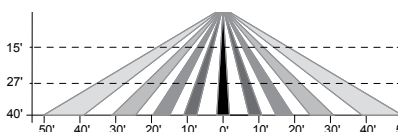
OPTION FSP3

FSP-211L3 20' Mounting Height
40' Diameter



OPTION FSP7

FSP-211L7 40' Mounting Height
100' Diameter



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LIGHTING CONTROLS

Passive Infrared Surface Mount
High Bay Occupancy Sensor



Adjustable Control Parameters [Defaults]

Fast, easy time delay setting: can be set at any time without requiring power to the sensor; time delay is variable from 30s-30m

Instantly verify fixture operation and wiring

connections: "instant ON" closing relay fires lamps in under 5 seconds

High Inrush Stability (H.I.S. Technology):

- Zero crossing circuitry optimizes relay operation for reliable, long-life operation

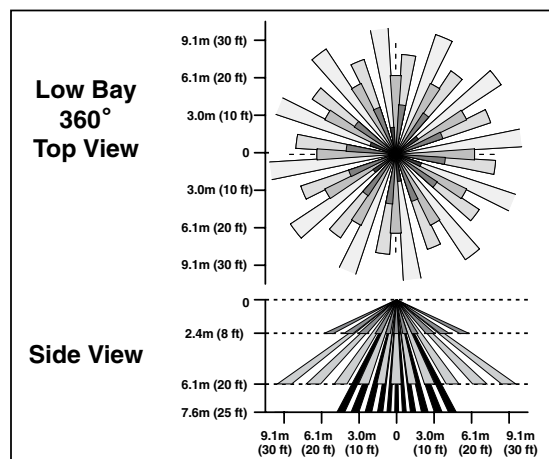
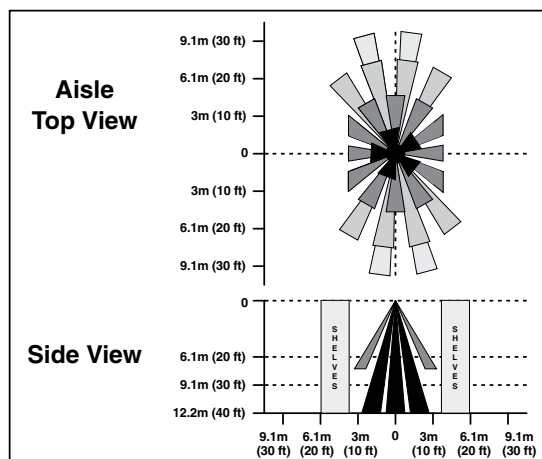
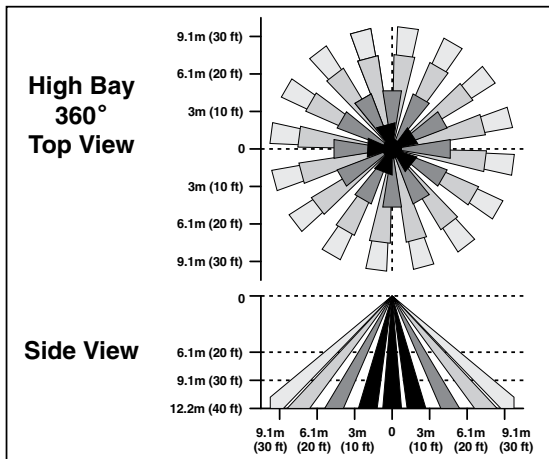
- Robust mechanical latching relay is durable for all load types

Auto temperature calibration: automatically adjusts the PIR sensitivity as ambient temperatures rises to increase detection of heat movement through the field-of-view

Return to last state: for safety and energy savings, the OSFHS contains a latching relay so that in the event power is lost to the device, the device will return to the last known state of the relay

False detection intelligence: for increased energy savings and to mitigate nuisance tripping, the super bright LED indicates advanced detection has been activated and the lights will only turn ON when true occupancy has been determined

Sensor Coverage Options



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ACCESSORIES

RHB-PCR

Prismatic Clear Ribbed
Refractor (Acrylic)

Note: Cannot be used with wire guard



RHB-PFR

Prismatic Frosted
Refractor (Acrylic)

Note: Cannot be used with wire guard



RHB-SAR

Satin Aluminum
Reflector (Anodized)

Note: Cannot be used with wire guard

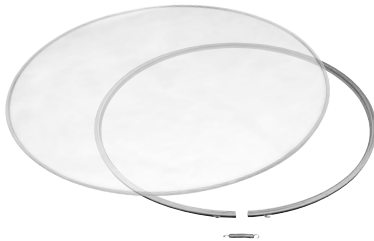


RHB-FL

Flat Clear Lens

For use with: RHB-PCR,
RHB-PFR or RHB-SAR

Note: Cannot be used with wire guard



RHB-CL

Conical Clear Ribbed Lens

For use with: RHB-PCR,
RHB-PFR or RHB-SAR

Note: Cannot be used with wire guard



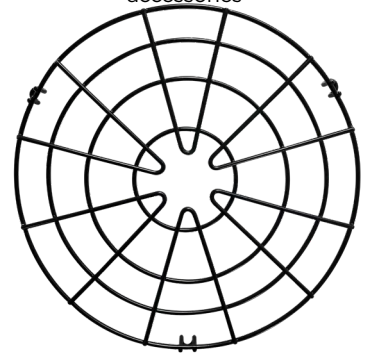
RHB-WG

Wire Guard

Installs with (3)

8-32 x 3/4" screws

Note: Cannot be used with any refractor or lens
accessories



RHB-WAC / RHB-WPC

Widebay Acrylic Clear or Widebay Poly-
carbonate Clear Lens

Note: Cannot be used with wire guard



RHB-JBOX

Junction Box

Note: J-Box is included with the fixture
when a sensor is ordered. It may also
be ordered separately as an accessory.

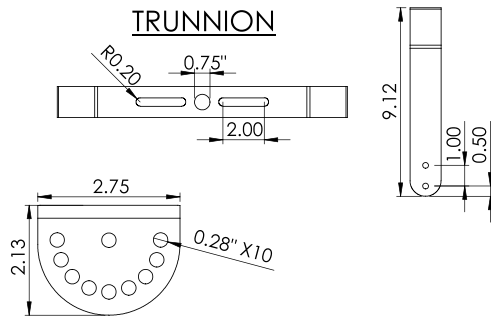
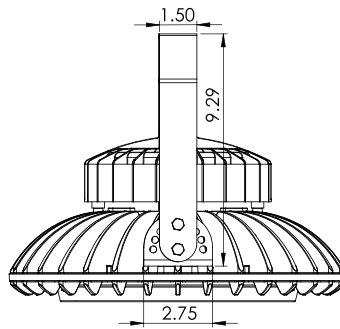
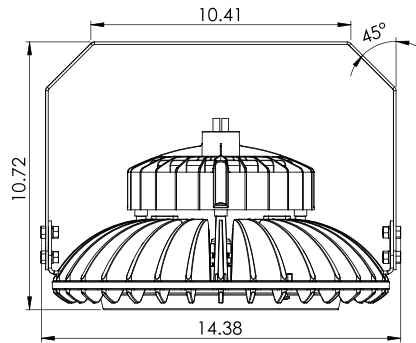


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MOUNTING OPTIONS

Shown With Trunnion Mount



Trunnion Mount (TN)



9 1/2" H x 14 1/4" W x 1 1/2" D

Loop Mount (LP)



3 1/4" H x 1 1/2" W x 1 1/2" D

Hook Mount (HK)



3 1/4" H x 1 1/2" W x 2" D

3/4" NPT Pendant Adapter (34)



1 1/2" H x 1 1/2" D

ADJUSTABLE CABLE HANGER

Y-TOGGLE

MOUNTING OPTIONS

With ACH Plate (ACH)

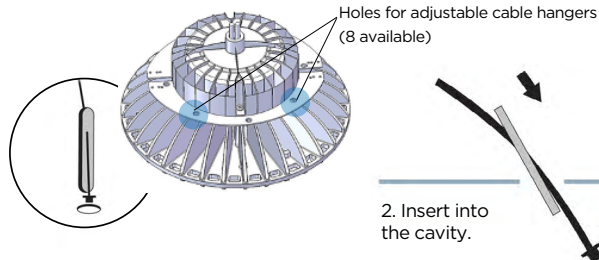


FEATURES

- Safe-working load at 5:1 safety factor.
- Tool-less adjustment.
- Replaces threaded rod; no sawing, filing or fixing nuts.
- Reduces installation time by 80%.
- No need for additional bracketry.

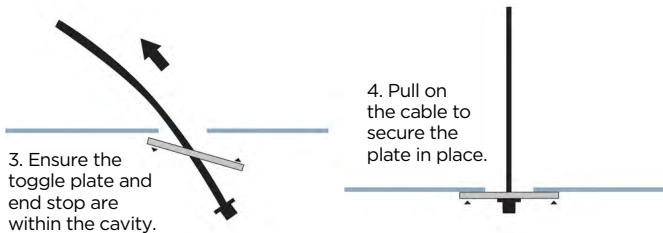


GENERAL INSTALLATION



1. Push the toggle plate so that it lies almost vertical against the cable.

2. Insert into the cavity.



3. Ensure the toggle plate and end stop are within the cavity.

4. Pull on the cable to secure the plate in place.

MATERIAL SPECIFICATION

Fastener:	Housing:	Zinc
	Wedges:	Steel
	Springs:	Stainless Steel
	End Cap:	Acetal Copolymer
	Push Button:	Acetal Copolymer

Cable: Galvanized high tensile steel cable to EN12385

Y-Assembly: 12" legs are standard. Other lengths by request.

Toggle & End Stop: Zinc plated Steel

Crimp/Ferrule: Aluminum

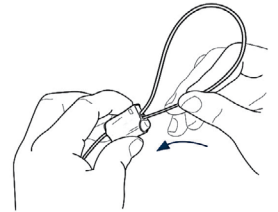
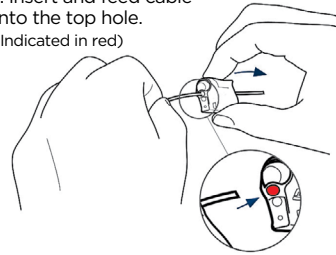


CABLE LENGTH

MS0199	5 ft.
MS0214	10 ft.
MS1680	15 ft.
MS1716	30 ft.

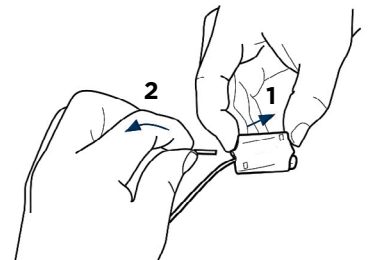
GRIP DEVICE ADJUSTMENT

1. Insert and feed cable into the top hole.
(Indicated in red)



GRIP DEVICE RELEASE

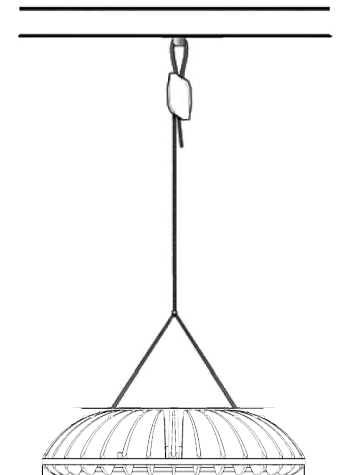
1. Push in button to release.
2. Adjust cable to necessary length.



Note: Please Specify Sizes When Ordering From Customer Service.

APPLICATION EXAMPLE

Angle between legs of 'Y'
not to exceed 60°



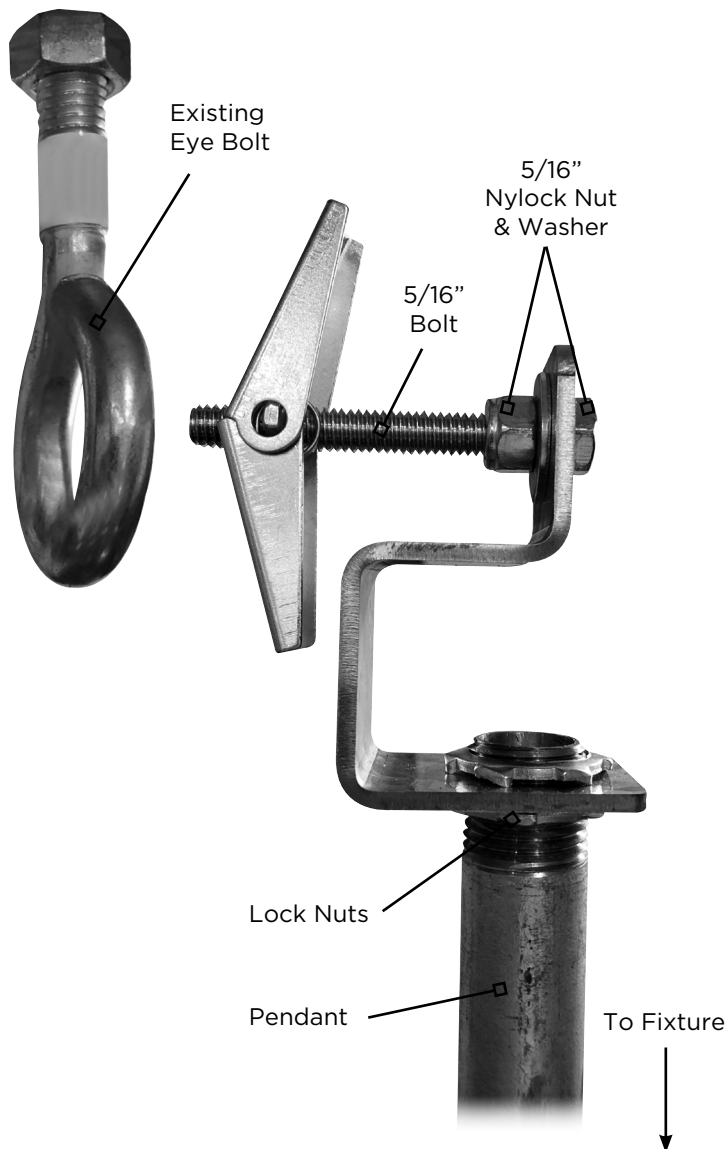
ROUND HIGH BAY LED

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MOUNTING OPTIONS

RHB QUICK HANG PENDANT SYSTEM

MOUNTING ACCESSORY



FEATURES

- Auto-leveling, one-handed installation for existing eye bolts.
- Only portable, rigid pendant mounting system.
- Quick and efficient installation in the field in comparison to using traditional jack chain or cable.
- Power cord can be hidden inside the pendant provides a simple, clean look for retail and commercial applications.
- Wiring trough prevents the power cord from being pinched by the toggle bolt.
- 2 sizes available - For 1/2" NPT and 3/4" NPT pendant drops.
- Toggle fits in 7/8" diameter - 2 7/8" diameter eyebolt openings.

CONSTRUCTION

- Made from 11 gauge steel.
- Electrostatically applied black powder coat. For custom colors please consult factory.

INSTALLATION INSTRUCTIONS

1. Place the fixture down on the ground on a soft surface.
2. Thread one conduit locknut onto the pipe. Place the steel bracket on top of the locknut. Thread a second locknut onto the pipe and tighten securely.
3. Pull line voltage wires up through the pendant drop. Thread opposite end of the pendant drop into the fixture hub or through the pendant mounting hole as described by the fixture manufacturer.
4. Unscrew toggle out to the end of the 5/16" bolt. Lift the fixture with the pendant drop attached to the eyebolt and press toggle into the opening of the eyebolt.
5. Hand tighten toggle by threading it toward the steel bracket.
6. Using a 1/2" socket, tighten toggle bolt securely, but don't overtighten.
7. Wire the fixture to the junction box.

ORDER LOGIC

RHB -

SIZE

AP12 1/2" NPT

AP34 3/4" NPT