

## RHB1-2G

|               |  |
|---------------|--|
| Project Name: |  |
| Type:         |  |



## APPLICATION

The compact and lightweight UFO high bay is designed for exceptional durability and practicality, a field-selectable beam angle, allowing it an ideal choices for commercial, retails, gyms, factories, warehouse, and other industrial/commercial spaces.

## FEATURES:

- Housing is completely sealed against moisture and environmental contaminants, IP65 rated.
- Sealed enclosure complies with NSF technical specs for illumination of food-grade non-splash zones.
- With corrosion-resistant powder coating that provides protection and architectural appearance while adapting well to the environment.
- The thermally and electrically separated design ensures superior heat management to optimize performance and long life.
- Sensor receptacle pre-installed.

## MOUNTING:

- Hook Mount is standard.
- Conduit pendant mount, optional (3/4" pipe by others)
- Trunnion mount, optional.

## OPTIC:

- Polycarbonate optical lens featuring IK08 impact resistance.
- Anti-UV prismatic translucent lens designed to shape the light uniformity and controls glare.
- Field-selectable beam angle (70°, 90°, 110°).

## LED:

- Lumileds 2835.
- Field-selectable wattage levels: 100%, 80%, 60%.
- Field-selectable Color temperature: 3500 / 4000 / 5000 (K)
- Color rendering index: >80
- Scalable lumen packages from 13,600 to 50,000 lumens.
- Estimated L70: 50,000-hrs

## ELECTRICAL:

- Input voltage: 120-277Vac., 50/60Hz (std.)
- 277-480Vac (optional).
- PF > 0.9, THD <20%.
- 0-10V, 10%-100% dimming standard.
- Built-in surge 6Kv.
- Operating temperature: -40°C to 55°C (-40°F to 131°F)
- Operating temp. with EM: 5°C to 55°C (41°F to 131°F)

## LISTING:

- UL, cUL listed for wet location.
- IP65 rated.
- 5 years limited warranty.
- ARRA compliant (optional).

## ORDERING INFORMATION

EXAMPLE: RHB1-2G-3SL-3T-UNV-BK

| MODEL   | LED / COLOR TEMP.        |                                                                                                                                                 | COLOR TEMP. |                                     | VOLTAGE   |                             | FINISH |              | BEAM ANGLE |                                    |
|---------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------------------------|-----------|-----------------------------|--------|--------------|------------|------------------------------------|
| RHB1-2G | 3SS<br>3SL<br>3SM<br>3SH | Field Selectable 150/120/90W LED<br>Field Selectable 200/160/120W LED<br>Field Selectable 250/200/150W LED<br>Field Selectable 300/240/180W LED | -3T         | Field Selectable<br>3500/4000/5000K | UNV<br>HV | 120-277V (Std.)<br>277-480V | BK     | Black (Std.) | (Blank)    | Field Selectable<br>70°, 90°, 110° |

| OPTIONS |                                                                                     |
|---------|-------------------------------------------------------------------------------------|
| EM16W   | Top mounted external 16 EM Battery Backup <sup>2</sup>                              |
| EM25W   | Top mounted external 25W EM Battery Backup <sup>3</sup>                             |
| MSPR    | Plug-and-play PIR motion and daylight sensor                                        |
| RC-100  | Handheld remote for MSPR sensor                                                     |
| BMSPR   | Bluetooth Plug-and-play PIR sensor, Silvar enabled (GEBC system) <sup>1</sup>       |
| BMSMW   | Bluetooth Plug-and-play Microwave sensor, Silvar enabled (GEBC system) <sup>1</sup> |
| CD      | Conduit Adapter for conduit pendant mount or EM battery backup                      |
| TR      | Trunnion mount                                                                      |
| ARRA    | Assembled in USA                                                                    |

## NOTES:

- Factory default setting:  
Sensitivity: 100%  
Hold time: 5min  
Daylight: disabled  
Standby dimming level: 30%  
Dimming time: 30min
- Only available with 3SS.
- Not available with 3SS.



EM location

## RHB1-2G

## CONFIGURATIONS

| 3SS @ 70° /110° Beam Angle |              |     |         |         |         |         |         |         |
|----------------------------|--------------|-----|---------|---------|---------|---------|---------|---------|
| SETTING                    | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|                            |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%                       | 150W         | 80  | 21000lm | 140lm/W | 23000lm | 153lm/W | 22000lm | 147lm/W |
| 80%                        | 120W         | 80  | 17500lm | 146lm/W | 19000lm | 158lm/W | 18200lm | 152lm/W |
| 60%                        | 90W          | 80  | 13600lm | 151lm/W | 14800lm | 164lm/W | 14000lm | 156lm/W |
| 3SS @ 90° Beam Angle       |              |     |         |         |         |         |         |         |
| SETTING                    | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|                            |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%                       | 150W         | 80  | 22000lm | 147lm/W | 24500lm | 163lm/W | 24000lm | 160lm/W |
| 80%                        | 120W         | 80  | 18500lm | 154lm/W | 20400lm | 170lm/W | 19800lm | 165lm/W |
| 60%                        | 90W          | 80  | 14500lm | 161lm/W | 16000lm | 178lm/W | 15300lm | 170lm/W |

| 3SL @ 70° /110° Beam Angle |              |     |         |         |         |         |         |         |
|----------------------------|--------------|-----|---------|---------|---------|---------|---------|---------|
| SETTING                    | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|                            |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%                       | 200W         | 80  | 27500lm | 138lm/W | 30000lm | 150lm/W | 29000lm | 145lm/W |
| 80%                        | 160W         | 80  | 22800lm | 143lm/W | 24800lm | 155lm/W | 24000lm | 150lm/W |
| 60%                        | 120W         | 80  | 17700lm | 148lm/W | 19200lm | 160lm/W | 18600lm | 155lm/W |
| 3SL @ 90° Beam Angle       |              |     |         |         |         |         |         |         |
| SETTING                    | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|                            |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%                       | 200W         | 80  | 28000lm | 140lm/W | 31000lm | 155lm/W | 30000lm | 150lm/W |
| 80%                        | 160W         | 80  | 23000lm | 144lm/W | 25600lm | 160lm/W | 24800lm | 155lm/W |
| 60%                        | 120W         | 80  | 18000lm | 150lm/W | 19800lm | 165lm/W | 19200lm | 160lm/W |

## RHB1-2G

## CONFIGURATIONS

3SM @ 70° /110° Beam Angle

| SETTING | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|---------|--------------|-----|---------|---------|---------|---------|---------|---------|
|         |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%    | 250W         | 80  | 35000lm | 140lm/W | 40000lm | 160lm/W | 38000lm | 152lm/W |
| 80%     | 200W         | 80  | 29000lm | 145lm/W | 33000lm | 165lm/W | 31200lm | 156lm/W |
| 60%     | 150W         | 80  | 22500lm | 150lm/W | 25400lm | 169lm/W | 24200lm | 161lm/W |

3SM @ 90° Beam Angle

| SETTING | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|---------|--------------|-----|---------|---------|---------|---------|---------|---------|
|         |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%    | 250W         | 80  | 37000lm | 148lm/W | 41000lm | 164lm/W | 40000lm | 160lm/W |
| 80%     | 200W         | 80  | 31000lm | 155lm/W | 33800lm | 169lm/W | 33000lm | 165lm/W |
| 60%     | 150W         | 80  | 24000lm | 160lm/W | 26200lm | 175lm/W | 25500lm | 170lm/W |

3SH @ 70° /110° Beam Angle

| SETTING | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|---------|--------------|-----|---------|---------|---------|---------|---------|---------|
|         |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%    | 300W         | 80  | 43000lm | 143lm/W | 48000lm | 160lm/W | 46000lm | 153lm/W |
| 80%     | 240W         | 80  | 35500lm | 148lm/W | 40000lm | 167lm/W | 38000lm | 158lm/W |
| 60%     | 180W         | 80  | 27500lm | 153lm/W | 31500lm | 175lm/W | 29500lm | 164lm/W |

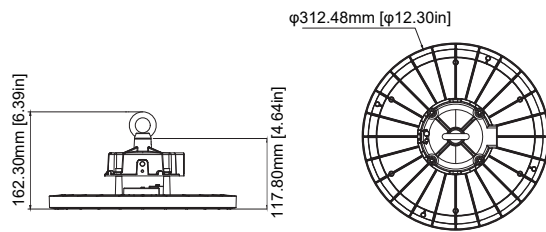
3SH @ 90° Beam Angle

| SETTING | SYSTEM WATTS | CRI | 3500K   |         | 4000K   |         | 5000K   |         |
|---------|--------------|-----|---------|---------|---------|---------|---------|---------|
|         |              |     | LUMENS  | LPW     | LUMENS  | LPW     | LUMENS  | LPW     |
| 100%    | 300W         | 80  | 45000lm | 150lm/W | 50000lm | 167lm/W | 48000lm | 160lm/W |
| 80%     | 240W         | 80  | 37200lm | 155lm/W | 41300lm | 172lm/W | 39600lm | 165lm/W |
| 60%     | 180W         | 80  | 28800lm | 160lm/W | 32000lm | 178lm/W | 30600lm | 170lm/W |

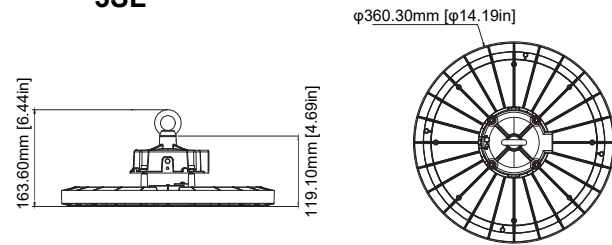
# RHB1-2G

## DIMENSIONS

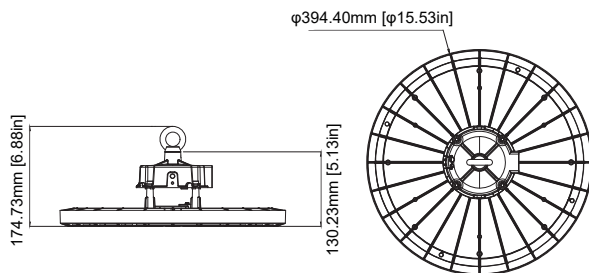
### 3SS



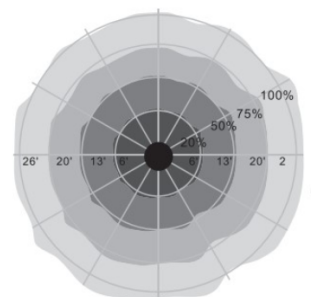
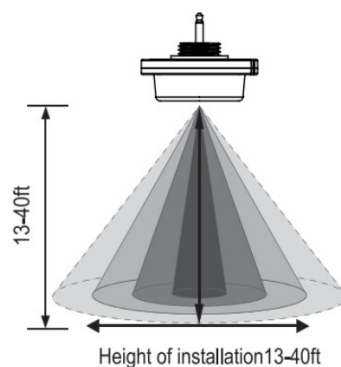
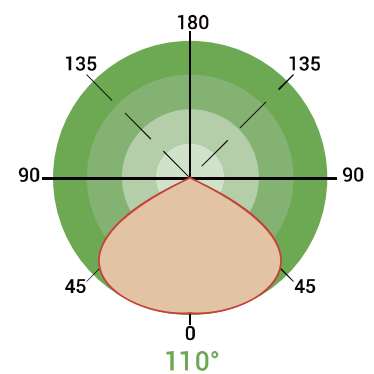
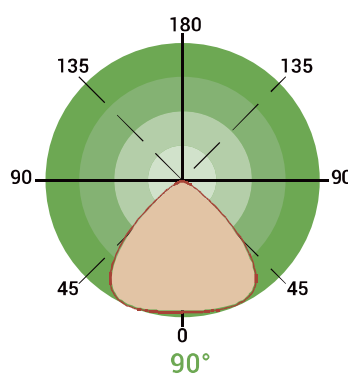
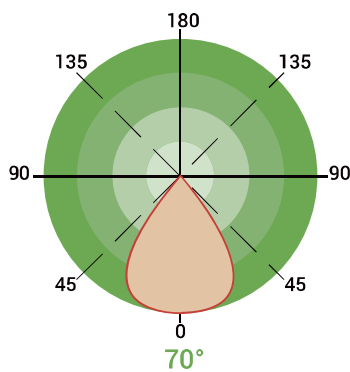
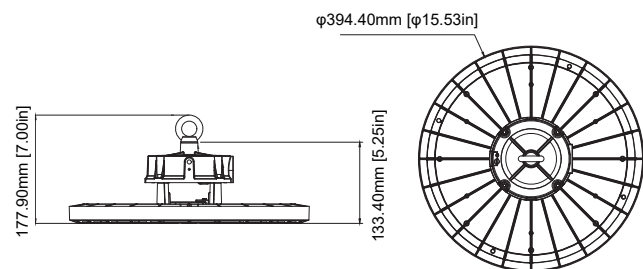
### 3SL



### 3SM



### 3SH



## SENSOR DETECTION

# RHB1-2G



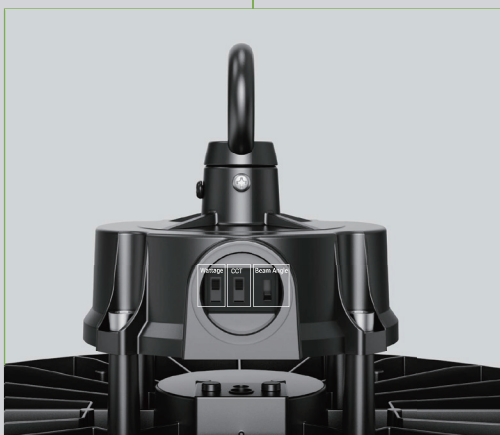
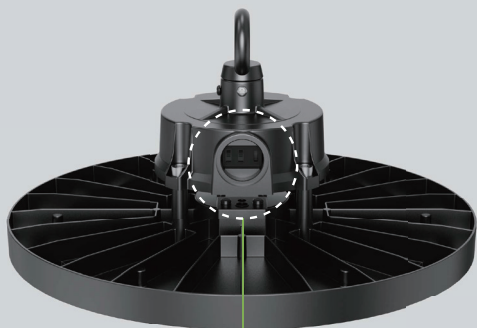
Eyebolt Mount (std.)



Conduit Pendant Mount



Trunnion Mount



## WATTAGE, CCT AND BEAM ANGLE SELECTABLE

### Wattage Selectable

Each model supports 3 positions wattage regulation: 100%, 80%, 60%.

### CCT Selectable

Three color temperature of 3500K, 4000K and 5000K are selectable.

### Beam Angle Selectable

The beam angle of the fixture can be quickly switched by a simple DIP switch. Choose from 70°, 90° or 110° to control the beam angle.

