

|                 |               |       |       |       |
|-----------------|---------------|-------|-------|-------|
| Catalog Number: | Project Name: | Note: | Date: | Type: |
|-----------------|---------------|-------|-------|-------|

The RHB High Output Round High Bay fixture is efficient, durable and designed to withstand harsh conditions with its remarkable heat dissipation, dust-tight body and resistance to water. RHB is wattage and color selector, and can be programmed with a CCT of 3500K, 4000K or 5000K, eliminating the need to stock multiple color temperatures.

Premium quality provides excellent solution for high-ceiling mount applications, especially in warehouse, storage, gymnasiums, retail spaces and convention centers.

**11" / 13"**  
..... DIAMETER .....



### CONSTRUCTION

Die-cast aluminum heat sink provides superior thermal transfer to extend lifespan of the luminaire. Built rugged to withstand harsh conditions, IP65 rated. Fixture comes standard with J-hook for suspended mounting.

### ELECTRICAL

Luminaire is built with the highest quality driver that is Universal Voltage (120-277V), uses long lasting, high-efficient LED packages.

### LENS

Clear PC lens.

### SENSOR READY

Motion sensor ready (optional).

### ENERGY SAVINGS

Over 50% energy savings than traditionally metal halide fixtures, low heat productions requires less maintenance and operation cost.

### LISTING

UL Listed, DLC Premium Listed, RoHS, IP65 rated

### WARRANTY

5 year Limited Warranty

| WATTAGE        | DELIVERED LUMENS | EFFICACY |
|----------------|------------------|----------|
| 100W/120W/150W | 22,314           | 153 lm/W |
| 180W/200W/240W | 37,943           | 162 lm/W |

*Based on highest wattage setting @ 4000K. Actual lumens may vary.*

### TECHNICAL SPECIFICATION

|                         |                       |
|-------------------------|-----------------------|
| CCT                     | 3500K/4000K/5000K     |
| CRI                     | 80                    |
| DIMMABLE                | 0-10V dimmable        |
| BEAM ANGLE              | 90°                   |
| VOLTAGE                 | 120V - 277V, 50/60 Hz |
| POWER FACTOR            | >0.9                  |
| THD                     | ≤20%                  |
| WORKING TEMPERATURE     | -40°F ~ 122°F         |
| STORAGE TEMPERATURE     | -40°F ~ 176°F         |
| DRIVER SURGE PROTECTION | 6KV                   |
| IP RATING               | IP65 Wet Location     |
| FINISH COLOR            | Black, White          |
| WARRANTY                | 5 year limited        |



### ORDERING SAMPLE:

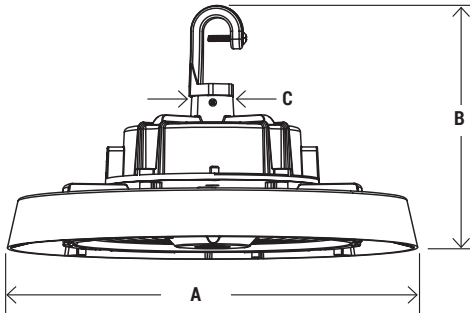
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| Series                                                 | Size              | CCT/Wattage                              | Voltage             | Color                         | Accessories/Options (Sold separately) |                                  |                                               |                                                                       |                                |              |
|--------------------------------------------------------|-------------------|------------------------------------------|---------------------|-------------------------------|---------------------------------------|----------------------------------|-----------------------------------------------|-----------------------------------------------------------------------|--------------------------------|--------------|
| PT-RHB<br>Round High Bay with CCT and Wattage Selector | 11D<br>(11" dia.) | 3CP<br>(35K/40K/50K)<br>(100W/120W/150W) | Blank<br>(120-277V) | BK<br>(Black)<br>W<br>(White) | Mounting                              | EM Battery                       | Sensor                                        | Reflector/Bottom Cover                                                | Wire guard                     | Lens         |
|                                                        | 13D<br>(13" dia.) | 3CP<br>(35K/40K/50K)<br>(180W/200W/240W) |                     |                               | Blank (Standard J-hook)<br>UB-RHB-SM  | Blank (No option)<br>PT-EMU3-25W | Blank (No option)<br>MS-UNI2-SP-PR<br>MSH-RC2 | Blank (No option)<br>RFL-PC-RHB-SM<br>RFL-AL-RHB-SM<br>*RFL-PC-BC-RHB | Blank (No option)<br>WG-RHB-SM | RHB-11D-L120 |
|                                                        |                   |                                          |                     |                               | UB-RHB-LG                             | PT-EMU3-40W                      |                                               | RFL-PC-RHB-LG<br>RFL-AL-RHB-LG<br>*RFL-PC-BC-RHB                      | WG-RHB-LG                      | RHB-13D-L120 |

*\*Not Compatible with RFL-AL-RHB-SM/LG*

|                 |               |       |       |       |
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|-----------------|---------------|-------|-------|-------|

**DIMENSION**



| MODEL#         | A     | B    | C (THREAD SIZE) |
|----------------|-------|------|-----------------|
| PT-RHB-11D-3CP | 11"   | 6.4" | .5"             |
| PT-RHB-13D-3CP | 13.4" | 6.5" |                 |

QTY/BOX

**1**

**MOUNTING OPTION**

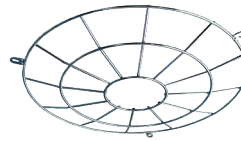


**UB-RHB-SM**  
U-Bracket Mounting  
for RHB-11D

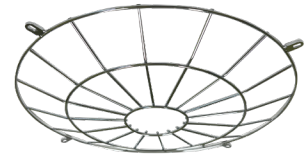


**UB-RHB-LG**  
U-Bracket Mounting  
for RHB-13D

**WIRE GUARD OPTION**



**WG-RHB-SM**  
Wire guard for RHB-11D



**WG-RHB-LG**  
Wire guard for RHB-13D

**REFLECTOR/BOTTOM COVER OPTION**



**RFL-PC-RHB-SM (11D)**  
**RFL-PC-RHB-LG (13D)**  
PC Reflector for RHB



**RFL-PC-BC-RHB**  
PC Reflector Bottom Cover for RHB  
(Must use with PC reflector)



**RFL-AL-RHB-SM (11D)**  
**RFL-AL-RHB-LG (13D)**  
Aluminum Reflector for RHB



**RHB-11D-L120 (11D)**  
**RHB-13D-L120 (13D)**  
120° Lens

**EM BATTERY OPTION**



**PT-EMU3-25W (11D)**  
**PT-EMU3-40W (13D)**  
Emergency LED Driver For  
Round High Bay

**SENSOR OPTION**

(Remote control required, no factory  
installation required)



**PT-UNI2-SP-PR**  
Universal Short Pin  
PIR Motion Sensor



**MSH-RC2**  
Remote Control

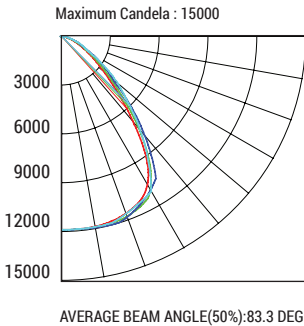
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|-----------------|---------------|-------|-------|-------|
| Catalog Number: | Project Name: | Note: | Date: | Type: |
|-----------------|---------------|-------|-------|-------|

| CATALOG NUMBER | WATTAGE | DELIVERED LUMENS | EFFICACY | DLC Pproduct ID                                                                                        |
|----------------|---------|------------------|----------|--------------------------------------------------------------------------------------------------------|
| PT-RHB-11D-3CP | 100W    | 14668 @ 3500K    | 147 lm/W | <br><b>S-5E8TWJ</b> |
|                |         | 15848 @ 4000K    | 164 lm/W |                                                                                                        |
|                |         | 15039 @ 5000K    | 151 lm/W |                                                                                                        |
|                | 120W    | 16726 @ 3500K    | 140 lm/W |                                                                                                        |
|                |         | 18484 @ 4000K    | 160 lm/W |                                                                                                        |
|                |         | 17510 @ 5000K    | 146 lm/W |                                                                                                        |
|                | 150W    | 20005 @ 3500K    | 132 lm/W |                                                                                                        |
|                |         | 22314 @ 4000K    | 153 lm/W |                                                                                                        |
|                |         | 21236 @ 5000K    | 139 lm/W |                                                                                                        |

| CATALOG NUMBER | WATTAGE | DELIVERED LUMENS | EFFICACY | DLC Pproduct ID                                                                                        |
|----------------|---------|------------------|----------|--------------------------------------------------------------------------------------------------------|
| PT-RHB-13D-3CP | 180W    | 25233 @ 3500K    | 140 lm/W | <br><b>S-ZQUTR5</b> |
|                |         | 28218 @ 4000K    | 163 lm/W |                                                                                                        |
|                |         | 26669 @ 5000K    | 148 lm/W |                                                                                                        |
|                | 200W    | 28137 @ 3500K    | 140 lm/W |                                                                                                        |
|                |         | 31094 @ 4000K    | 161 lm/W |                                                                                                        |
|                |         | 29318 @ 5000K    | 147 lm/W |                                                                                                        |
|                | 240W    | 33477 @ 3500K    | 134 lm/W |                                                                                                        |
|                |         | 37943 @ 4000K    | 162 lm/W |                                                                                                        |
|                |         | 33840 @ 5000K    | 139 lm/W |                                                                                                        |

**PHOTOMETRICS DATA** (For complete IES files, please go to our website: [www.portorlighting.com](http://www.portorlighting.com))

|                       |                      |                                |                           |                   |                |
|-----------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|
| <b>PT-RHB-11D-3CP</b> | <b>Wattage: 150W</b> | <b>Delivered lumens: 22314</b> | <b>Efficacy: 153 lm/W</b> | <b>CCT: 4000K</b> | <b>CRI: 80</b> |
|-----------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|

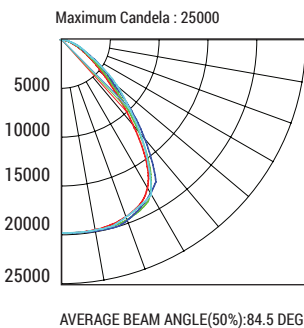


| Coefficients of Utilization |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| pfc                         | 20% |     |     |     |     |     |     |     |     |     |     |
|                             | 80% |     |     |     | 70% |     |     |     | 50% |     |     |
|                             | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0                           | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |
| 1                           | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99  | 97  |
| 2                           | 103 | 97  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |
| 3                           | 96  | 87  | 81  | 75  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |
| 4                           | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |
| 5                           | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 58  | 69  | 63  | 58  |
| 6                           | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |
| 7                           | 72  | 60  | 53  | 47  | 71  | 60  | 52  | 47  | 58  | 52  | 47  |
| 8                           | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 42  |
| 9                           | 63  | 51  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 43  | 39  |
| 10                          | 60  | 48  | 40  | 36  | 58  | 47  | 40  | 36  | 46  | 40  | 35  |

| CP Summary |         |         |
|------------|---------|---------|
|            | 0°      | 90°     |
| 0°         | 10519.0 | 10519.0 |
| 5°         | 10514.0 | 10515.0 |
| 15°        | 10502.0 | 10549.0 |
| 25°        | 9516.2  | 10269.0 |
| 35°        | 7535.7  | 8556.0  |
| 45°        | 4454.6  | 4940.8  |
| 55°        | 2433.6  | 2343.4  |
| 65°        | 1018.1  | 954.03  |
| 75°        | 314.55  | 340.22  |
| 85°        | 116.22  | 5.086   |
| 90°        | 17.063  | 2.591   |

| Zonal Lumen Summary |          |          |
|---------------------|----------|----------|
|                     | Lumens   | %Fixture |
| 0° - 20°            | 3965.49  | 19.00    |
| 0° - 30°            | 8513.16  | 40.90    |
| 0° - 40°            | 13486.68 | 64.70    |
| 0° - 60°            | 13360.51 | 92.90    |
| 0° - 80°            | 20747.88 | 99.60    |
| 0° - 90°            | 20838.08 | 100.00   |

|                       |                      |                                |                           |                   |                |
|-----------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|
| <b>PT-RHB-13D-3CP</b> | <b>Wattage: 240W</b> | <b>Delivered lumens: 37943</b> | <b>Efficacy: 162 lm/W</b> | <b>CCT: 4000K</b> | <b>CRI: 80</b> |
|-----------------------|----------------------|--------------------------------|---------------------------|-------------------|----------------|



| Coefficients of Utilization |     |     |     |     |     |     |     |     |     |     |     |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| pfc                         | 20% |     |     |     |     |     |     |     |     |     |     |
|                             | 80% |     |     |     | 70% |     |     |     | 50% |     |     |
|                             | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% |
| 0                           | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |
| 1                           | 111 | 108 | 104 | 101 | 109 | 106 | 103 | 100 | 101 | 99  | 97  |
| 2                           | 104 | 97  | 92  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 84  |
| 3                           | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 83  | 78  | 74  |
| 4                           | 89  | 79  | 72  | 67  | 87  | 78  | 71  | 66  | 76  | 70  | 65  |
| 5                           | 83  | 72  | 65  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |
| 6                           | 77  | 66  | 58  | 52  | 76  | 65  | 58  | 52  | 63  | 57  | 52  |
| 7                           | 72  | 61  | 53  | 48  | 71  | 60  | 53  | 47  | 58  | 52  | 47  |
| 8                           | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 47  | 43  |
| 9                           | 64  | 52  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 44  | 39  |
| 10                          | 60  | 48  | 41  | 36  | 59  | 47  | 41  | 36  | 46  | 40  | 36  |

| CP Summary |           |           |
|------------|-----------|-----------|
|            | 0°        | 90°       |
| 0°         | 17175.930 | 17175.930 |
| 5°         | 17160.471 | 17157.811 |
| 15°        | 17129.570 | 17153.900 |
| 25°        | 15623.490 | 16939.900 |
| 35°        | 12429.370 | 14417.660 |
| 45°        | 7535.230  | 7902.330  |
| 55°        | 3943.690  | 3542.280  |
| 65°        | 1611.170  | 1497.360  |
| 75°        | 537.670   | 544.300   |
| 85°        | 188.940   | 49.560    |
| 90°        | 14.580    | 8.040     |

| Zonal Lumen Summary |          |          |
|---------------------|----------|----------|
|                     | Lumens   | %Fixture |
| 0° - 20°            | 6466.83  | 19.10    |
| 0° - 30°            | 13939.47 | 41.30    |
| 0° - 40°            | 22163.1  | 65.60    |
| 0° - 60°            | 31462.75 | 93.10    |
| 0° - 80°            | 33635.07 | 99.50    |
| 0° - 90°            | 33788.06 | 100.00   |