

FRHBVP**ROUND LED
HIGH BAY**

The Fidelux FRHBVP Round LED High Bay series is designed for high bay applications requiring energy efficiency, high performance, reliability, and maintenance-free operation. FRHBVP comes standard with selectable CCT producing up to 150 lm/W. The polycarbonate anti-UV IK08 lens offers beam spreads of 60, 90 & 120 degrees. Optional integrated sensors provide both PIR and ambient light functions, which are easily controlled and programmable in the field with a remote control. External Emergency Battery Packs are available for all wattages, and offer the flexibility of being factory- or field-installed. This series also offers a wide range of mounting options.

- IK08 impact resistant polycarbonate lens
- Energy efficient performance up to 150 lm/W
- Corrosion resistant die cast aluminum housing

HOUSING Corrosion resistant die cast aluminum.

LEDS CRI >84. Operating life >50,000 hours (L70). Selectable CCT.

OPTICS 60, 90, or 120 degree beam spread clear IK08 impact resistant anti-UV polycarbonate lens. 120 degree frosted lens available. 120 degree lenses not DLC qualified. Aluminum and prismatic polycarbonate shades available.

ELECTRICAL 120-277V, 50/60 Hz, power factor >0.9. THD <20%. Drive current 100W: 0.8A; 150W: 1.2A; 200W: 1.7A; 240W: 2.0A.

EMERGENCY POWER Optional external EM backup battery packs available with 90 min minimum duration. 100W FEM-T25 = 3350 lm; 150W FEM-T25 = 3365 lm; 200W / FEM-T40 = 5452 lm; 240W with FEM-T40 = 5390 lm. Optional remote control FEM-T-RC available for remote testing. See FW configuration for Factory-Wiring and assembly. *Not compatible with sensor-equipped units.*

- Powder-coated white finish
- >50,000 hour operating life (L70)
- 0-10V Dimming standard

CONTROLS 0-10V dimmable standard. Optional factory- or field-installed plug-and-play integrated PIR/Ambient Light sensor. Optional MPS-RC Remote control for field programming and testing. MPS not compatible with Emergency-equipped units.

TEMPERATURE Operating range -31°F to 122°F (-35°C to 50°C).

ACCESS / WIRING External wiring with connectors included. 5' power cord. Externally accessible CCT selection switch (IP65). 1' Dimming Wire available.

MOUNTING Closed Ring (included), Yoke, Hook, and Pendant mount options. ADP-1/2" and ADP-3/4" pipe adapters offer cable feed-through.

WEIGHT 100W units: 4.75 lbs.; 150W units: 5.84 lbs; 200W units: 7.16 lbs; 240W units: 8.70 lbs.

LISTINGS UL, DLC Premium.

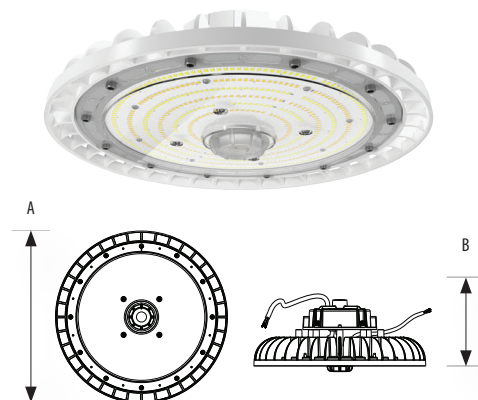
WARRANTY 5 year limited warranty.

Project _____

Catalog Number _____

Type _____

Date _____



| Wattage | A | B |
|-------------|--------|-------|
| 100W | 10.43" | 4.17" |
| 150W | 11.81" | 4.57" |
| 200W / 240W | 13.39" | 5.12" |

**Ordering Guide**

Example: FRHBVP-100W-40K-UNV-D-MPS-90D-WH

| Series | Wattage | CCT | Voltage | Control | Lens | Emergency |
|--------|------------------------------|-------------------------------------|---|--|---|---|
| FRHBVP | 100W 150W 200W 240W | 30K 3000K 40K 4000K 50K 5000K | UNV-D 120/277V 0-10V Dimming (STD) 480V Not available | MPS Plug-and-Play Integrated PIR / Ambient Light Sensor <i>Not compatible with Emergency-equipped units</i> <i>MPS is programmed with Remote control MPS-RC only. Order as line item. See options.</i> | 60D 60° / DLC 90D 90° / DLC 120D 120° (STD) / Non-DLC FL120D 120° / Frosted lens / Non-DLC Frosted option not available for 60° and 90° Lenses. | Order as separate line item <i>Not compatible with sensor-equipped units</i> FEM-T25 100W/150W FEM-T40 200/240W FEM-T25-FW 100W/150W Factory Wired FEM-T40-FW 200/240W Factory Wired |

Options / Accessories (Order Separately) Accessory Examples: FRHBVP-MPS-RC / FRHBVP-PM / FRHBV-AL100

| Closed Ring included | Aluminum Shade (90°) | Polycarbonate Shade (70°) | Polycarbonate Shade with Cover (70°) |
|--|----------------------|---------------------------|--------------------------------------|
| YM Yoke / U bracket for Surface Mount | AL100 100W | PS100 100W | PSC100 100W |
| HM Hook Mount | AL150 150W | PS150 150W | PSC150 150W |
| PM Pendant Mount Adapter for 1/2" threaded rigid pipe pendant | AL200 200/240W | PS200 200/240W | PSC200 200/240W |
| ADP-1/2 Adapter with cable feed-through for 1/2" pendant mount | | | |
| ADP-3/4 Adapter with cable feed-through for 3/4" pendant mount | | | |
| ST5 5ft Safety-Tether | Bottom Diameters | Bottom Diameters | Bottom Diameters |
| MPS-RC Remote control | 100/150W: 16" | 100W: 12" | 100W: 12" |
| FEM-T-RC Remote control testing for FEM Emergency Power Units | 200/240W: 20" | 150/200/240W: 16" | 150/200/240W: 16" |

MPS Default Settings

Brightness: 100%; Sensitivity: 100%; Hold Time: 10min; Daylight: Disabled; Standby Dim: 30%; Standby Time: 30 min

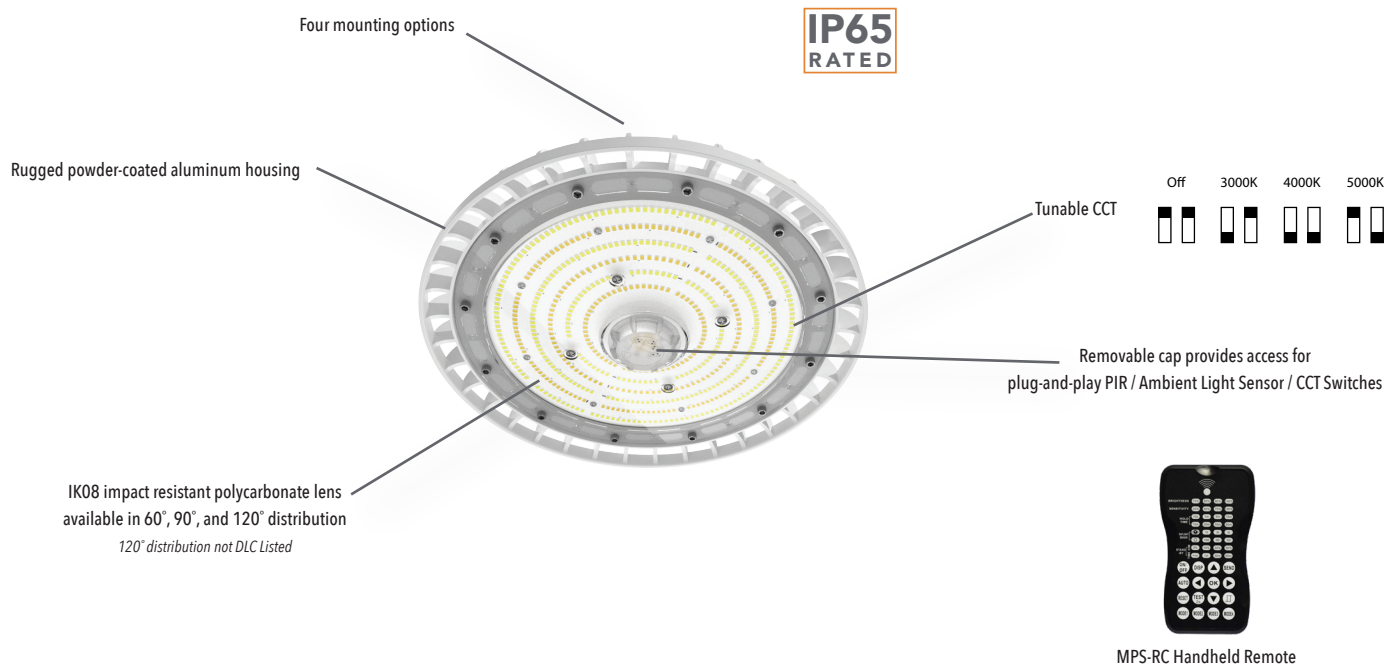
Available Settings

Brightness: 70%, 80%, 90%, 100%; Sensitivity: 20%, 50%, 75%, 100%; Hold Time: 10s, 1m, 5m, 10m, 15m, 20m, 30m, 60m;

Daylight: 10, 30, 50, 100, 300, 500 Lux, Disable; Standby Dim: 0%, 10%, 30%, 50%; Standby time: 1m, 30m, 60m, Infinite

Please refer to MPS spec for further info.

Features



Emergency Power

Accessories (Field Installed)



FEM Emergency Backup
Optional remote control FEM-T-RC available for remote testing | Not compatible with sensor-equipped units



AL Aluminum Shade

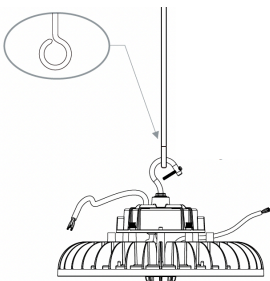


PS Polycarbonate Shade

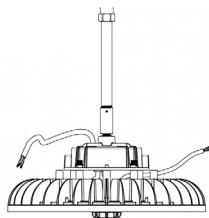


PSC Polycarbonate Shade with Cover

Mounting Options



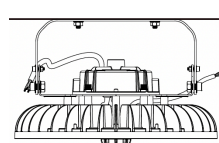
HM (Hook Mount)



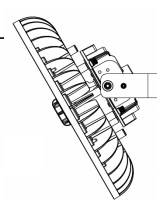
PM (Pendant Mount Adapter for 1/2" threaded rigid pipe pendant)



ADP 1/2" and 3/4" NPT Pipe Adapter with cable feed-through



YM (Yoke / U bracket for Surface Mount)



Closed Ring Mount (Included)

FRHBVP Series Specification Summary

| FRHBVP | 100W 60° | 100W 90° | 100W 120° | 150W 60° | 150W 90° | 150W 120° | 200W 60° | 200W 90° | 200W 120° | 240W 60° | 240W 90° | 240W 120° |
|-----------------------|---|-------------|--------------|----------------------|-------------|--------------|----------------------|-------------|--------------|-----------------|-------------|--------------|
| DLC Product ID | S-S31ZHQ | S-ZODEPS | | S-OTN632 | S-RFYCV8 | | S-89P4UE | S-ZTKIGE | | S-SFQGCY | S-1XRCP9 | |
| Input Wattage | 101.1W | 101.3W | 100.0W | 145.2W | 145.6W | 150.0W | 199.2W | 199.9W | 200.0W | 243.4W | 243.1W | 240.0W |
| Efficacy lm/W | 130.29 – 143.53 | | | 133.49 – 150.60 | | | 132.70 – 143.75 | | | 130.95 – 142.78 | | |
| Lumens @ 3000K | 13633 | 13463 | 13029 | 19383 | 19512 | 19708 | 26664 | 26969 | 26120 | 32385 | 32721 | 31213 |
| Lumens @ 4000K | 14,499 | 14334 | 14108 | 20,275 | 21928 | 21322 | 26,908 | 28735 | 28539 | 32,303 | 34555 | 34268 |
| Lumens @ 5000K | 14,208 | 13713 | 13816 | 19,456 | 20531 | 20529 | 26,434 | 27614 | 27073 | 31,873 | 32851 | 32239 |
| CRI | 84 | 84 | 84 | 84 | 84 | 85 | 84 | 85 | 85 | 85 | 85 | 85 |
| THD @ 277VAC | <15% | | | <10% | | | | | | | | |
| Color Temperatures | 3000K / 4000K / 5000K | | | | | | | | | | | |
| Dimming | 100%, 0-10V | | | | | | | | | | | |
| Input Voltage Options | 100-277VAC | | | | | | | | | | | |
| Power Factor | 0.88 | | | 0.90 | | | | | | 0.90 | .94 | |
| Beam Spread | 60° / 90° / 120° | | | | | | | | | | | |
| DLC | 60° and 90° Beam spread units DLC Qualified. 120° Beam spread and FL120 Lens units not DLC Qualified. | | | | | | | | | | | |
| L70 Lifespan (TM21) | >50,000 hours | | | | | | | | | | | |
| Ambient Working Temp | -31°F to 122°F (-35°C to 50°C) | | | | | | | | | | | |
| Max Dimensions (in)* | 10.43" Dia x 4.17" H | | | 11.81" Dia x 4.57" H | | | 13.39" Dia x 5.12" H | | | | | |
| Total Weight | 4.75 lbs | | | 5.84 lbs | | | 7.16 lbs | | | 8.7 lbs. | | |
| Limited Warranty | 5 Yrs. | | | | | | | | | | | |

Values are nominal; Delivered lumens indicated.

*Height does not include mounting options

Project _____

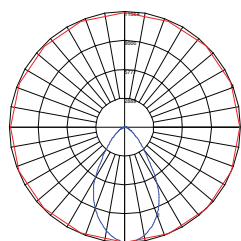
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Type _____

Date _____

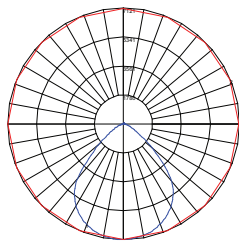
Photometrics

FRHBVP-100W 60°



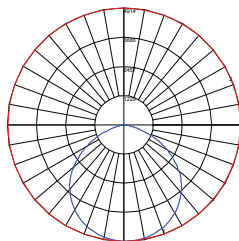
Maximum Candela = 11554
Horizontal Angle = 315
Vertical Angle = 2

FRHBVP-100W 90°



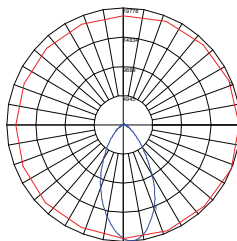
Maximum Candela = 7121.2
Horizontal Angle = 247.5
Vertical Angle = 2

FRHBVP-100W 120°



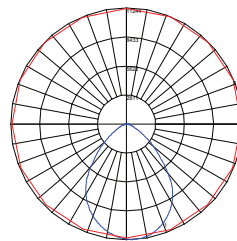
Maximum Candela = 4914.5
Horizontal Angle = 90
Vertical Angle = 1

FRHBVP-150W 60°



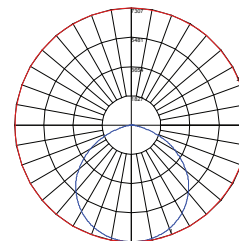
Maximum Candela = 19778
Horizontal Angle = 337.5
Vertical Angle = 4

FRHBVP-150W 90°



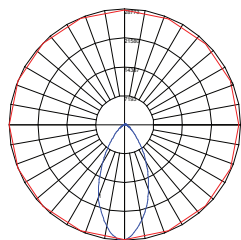
Maximum Candela = 11244
Horizontal Angle = 67.5
Vertical Angle = 3

FRHBVP-150W 120°



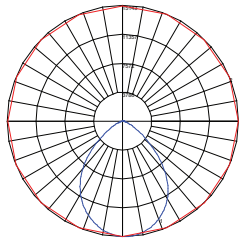
Maximum Candela = 7307.4
Horizontal Angle = 90
Vertical Angle = 1

FRHBVP-200W 60°



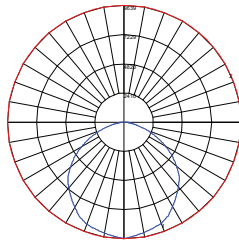
Maximum Candela = 28773
Horizontal Angle = 180
Vertical Angle = 1

FRHBVP-200W 90°



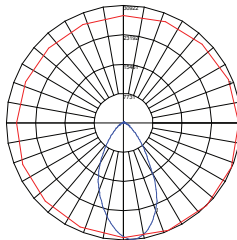
Maximum Candela = 15143
Horizontal Angle = 22.5
Vertical Angle = 2

FRHBVP-200W 120°



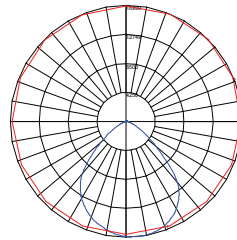
Maximum Candela = 9639.1
Horizontal Angle = 0
Vertical Angle = 0

FRHBVP-240W 60°



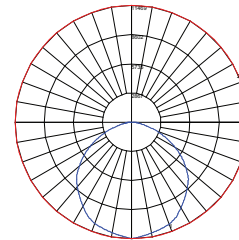
Maximum Candela = 6999
Horizontal Angle = 67.5
Vertical Angle = 5

FRHBVP-240W 90°



Maximum Candela = 6999
Horizontal Angle = 67.5
Vertical Angle = 5

FRHBVP-240W 120°



Maximum Candela = 11469
Horizontal Angle = 0
Vertical Angle = 0

PIR Motion Sensor

| | |
|-----------------------|--------------|
| Voltage | 12V DC |
| Operating Temperature | -10 to 35 |
| Mounting Height | Max 10m |
| Detection Radius | 4m |
| Detection Speed | 0.5 - 1.5 ms |
| Remote Range | 10m |



Coverage Diagram

