

# HBF

## Bullet Flood Light Lumen & Kelvin Selectable

**HOUSING:** Premium powder-coat, aluminum, dark bronze housing.

### ELECTRICAL:

- Operating temperature (ambient): -40°C to 45°C (-40°F to 113°F).
- Universal 120-277V AC voltage (50-60Hz) is standard.
- Built in photocell.
- 0-10VDC dimming drivers is standard.
- Input transient surge protection = 4kV.
- Power factor > 0.90.
- Total Harmonic distortion < 20%.

### OPTICAL SYSTEM:

- Polycarbonate frosted lens.
- Field selectable 3000k(warm white), 4000k (neutral white) and 5000k (cool white) color temperatures\*.
- Tri-lumen selectable delivers 3,000 to 4,500 nominal lumens\*.
- Long-life LEDs provide 151,000 hours of operation with at least 70% of initial lumen output (L70), and 45,000 hours with at least 90% of initial lumen output (L90)\*\*.
- Beam angle 3H3V distribution.
- LED color maintenance < -0.00156 chromaticity shift ( $\Delta u'v'$ ) over the initial 6,000 hours of operation.
- Color rendering index > 70.

\* Default 4000k color temperature and highest lumen output. \*\*L70 & L90 hours are IES TM-21-11 calculated hours.

### MOUNTING:

- Knuckle mount kit is standard (Fit 1/2" NPT).
- Optional Line Voltage Ground Stake
- Optional round canopy mount for surface mount. compatible with 4-inch standard junction box.
- Easy installation in new construction or retrofit.

### CODE COMPLIANCE:

- cULus listed for wet locations.
- DLC premium listed.
- Complies with FCC part 15, class A.
- IP65 rated for ingress protection.

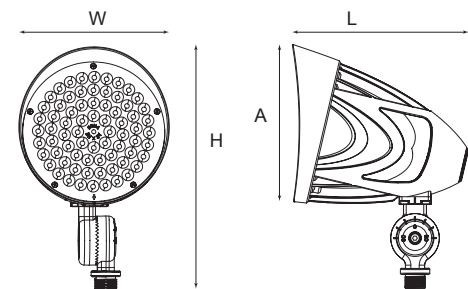
**WARRANTY:** 5 year warranty on all electronics and housing.



### ORDERING INFORMATION

Example: PBF453730L-3CCT

| Series | Nominal Lumen Output<br>(Selectable) |                          | Kelvin<br>Selectable |
|--------|--------------------------------------|--------------------------|----------------------|
| HBF    | 453730L                              | 4,500 / 3,700 / 3,000 lm | 3CCT 3K / 4K / 5K    |



| Model #         | L (in) | W (in) | A (in) | H (in) | Weight (lbs) |
|-----------------|--------|--------|--------|--------|--------------|
| HBF453730L-3CCT | 6.42   | 5.51   | 5.79   | 8.9    | 2.41         |

## Mounting

CM-R = Round canopy mounting plate, suitable to mount 1/2" swivel arm and use with standard 4" round junction box.

MPOST17 Line Voltage Ground Stake.

## LUMEN TABLES

| Series          | Measurements | Low Lumens |       |       | Mid Lumens |       |       | High Lumens |       |       |
|-----------------|--------------|------------|-------|-------|------------|-------|-------|-------------|-------|-------|
|                 |              | 3000K      | 4000K | 5000K | 3000K      | 4000K | 5000K | 3000K       | 4000K | 5000K |
| HBF453730L-3CCT | Lumens       | 2,999      | 3,187 | 3,120 | 3,707      | 4,008 | 4,077 | 4,564       | 5,064 | 4,766 |
|                 | Watt         | 20.39      | 19.76 | 20.39 | 26.46      | 25.42 | 26.52 | 35.1        | 33.28 | 34.86 |
|                 | Efficacy     | 147        | 161   | 153   | 140        | 158   | 154   | 130         | 152   | 137   |

## ELECTRICAL DATA

| Series          | CCT   | Input Amps (A) |      |      |            |      |      |             |      |      |
|-----------------|-------|----------------|------|------|------------|------|------|-------------|------|------|
|                 |       | Low Lumens     |      |      | Mid Lumens |      |      | High Lumens |      |      |
|                 |       | 120V           | 240V | 277V | 120V       | 240V | 277V | 120V        | 240V | 277V |
| HBF453730L-3CCT | 3000k | 0.17           | 0.08 | 0.07 | 0.22       | 0.11 | 0.10 | 0.29        | 0.15 | 0.13 |
|                 | 4000k | 0.16           | 0.08 | 0.07 | 0.21       | 0.11 | 0.09 | 0.28        | 0.14 | 0.12 |
|                 | 5000k | 0.17           | 0.08 | 0.07 | 0.22       | 0.11 | 0.10 | 0.29        | 0.15 | 0.13 |

## PHOTOMETRICS

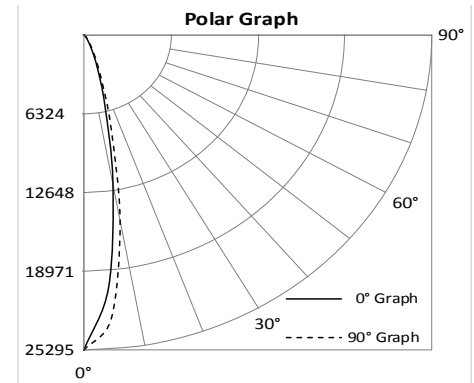
### HBF 453730L-3CCT

#### Luminaire Data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Description                 | Flood Light<br>Lumen/Kelvin Selectable |
| Total Lumens                | 4,436                                  |
| Input Wattage               | 33                                     |
| Efficacy (lm/W)             | 133                                    |
| Max. Cd.                    | 25598 (112.5H, 1V)                     |
| IES Classification          | N.A.                                   |
| Longitudinal Classification | N.A.                                   |

#### Luminaire Classification Systems (LCS)

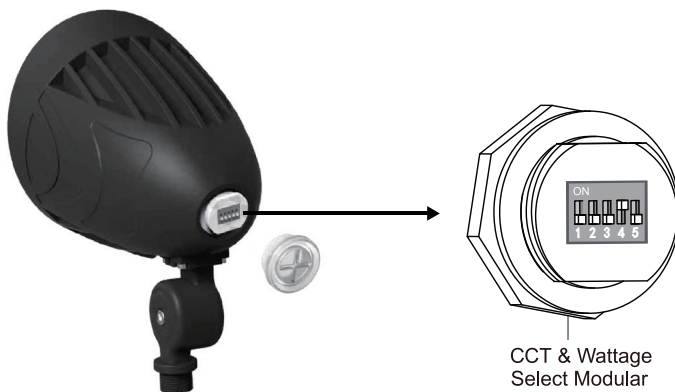
| LCS Zone   |         | Lumens   | %Lum  |
|------------|---------|----------|-------|
| FL         | 0-30    | 1,870    | 36.9% |
| FM         | 30-60   | 210      | 4.1%  |
| FH         | 60-80   | 36       | 0.7%  |
| FVH        | 80-90   | 1        | 0.0%  |
| BL         | 0-30    | 1,984    | 39.2% |
| BM         | 30-60   | 233      | 4.6%  |
| BH         | 60-80   | 85       | 1.7%  |
| BVH        | 80-90   | 8        | 0.2%  |
| UL         | 90-100  | 0        | 0.0%  |
| UH         | 100-180 | 10       | 0.2%  |
| Total      |         | 4,436    | 87.6% |
| BUG Rating |         | B3-U2-G0 |       |



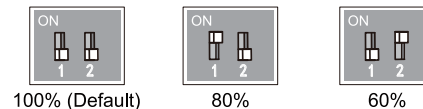
## COMPATIBLE DIMMERS AND CONTROLS

| Manufacturer  | Model Number | Dimmer Range | Load Switching Capacity |
|---------------|--------------|--------------|-------------------------|
| Best Lighting | DWS-010V-T   | 10%-100%     | 600W                    |
| Best Lighting | DWS-010V-D   | 10%-100%     | 600W                    |
| Leviton       | IP710-LFZ    | 10%-100%     | 1200W                   |
| Lutron        | DVSTV        | 10%-100%     | 450W                    |

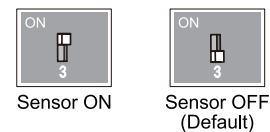
## CCT & WATTAGE SETTING



### Wattage Select



### Photocell



### CCT Select

