



PETROBRIGHT® LED

FEATURES-SPECIFICATIONS

FEATURES

Supplemental **20KA/10KV Surge Protection**
is **standard** (for 120-277 VAC models)
10KA/10KV Surge Protection (for 347-480 VAC)

- Global Certifications with Quad Approvals for NEC / CEC / IECEx / ATEX
- Easy Install with clamshell splice box for unimpeded wiring access
- Vast range of optics including spot, wide, and perimeter options available
- Intelligent battery backup with built in self-monitoring and testing
- 5000K color temperature is standard with options for 3000K, Amber, and Green
- Light weight at 25lbs / 11.2kgs



Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1&2, Groups EFG
Class III

Suitable for wet locations
Marine Rated (US Only)
Type 3, 4X
IP66

Tamb -50°C to +65°C

Zone 2 and Zone 21 areas
Ex ec IIC T5/T4 Gc
Ex tb IIIC T95°C Db, IP66

STANDARD VERSION

-40°C<Tamb<+65°C<120W
-40°C<Tamb<+40°C/+55°C>120W

BATTERY BACKUP VERSION

-20°C<Tamb<+50°C

MATERIALS

Housing: Copper-Free Aluminum

Lens: Standard glass with polycarbonate available as option

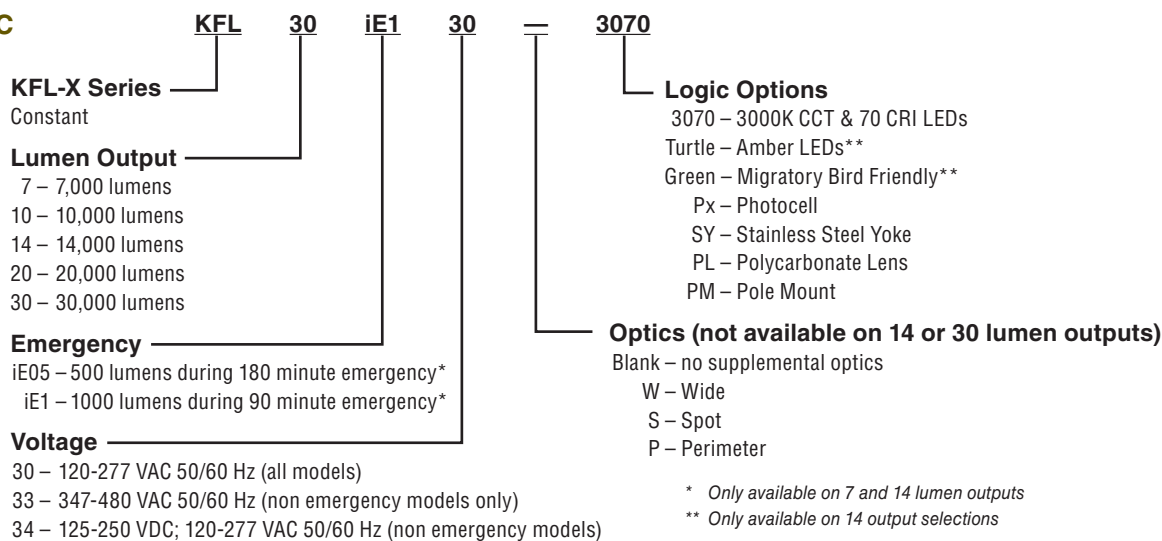
External Hardware: 316 Stainless Steel

Trunnion: Standard Copper-Free Aluminum with Stainless steel
available as an option

Gasket: High temperature rated solid silicon

Paint: Powder epoxy / polyester

CATALOG LOGIC



* Only available on 7 and 14 lumen outputs

** Only available on 14 output selections



KFL-X SERIES

OPTIONS LED COLOR OPTIONS



5000K

Crisp white light maximizes the output of the LEDs with a color that is equivalent to noontime sun.



3000K

Warm white light that is similar in color to a soft white incandescent.



AMBER

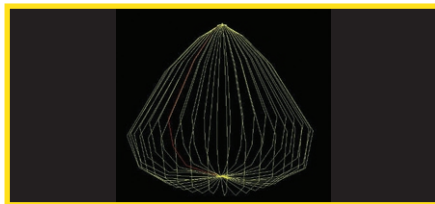
Pure Amber LEDs have zero energy in the blue light spectrum that is designed as a marine life friendly option for coastal regions.



GREEN

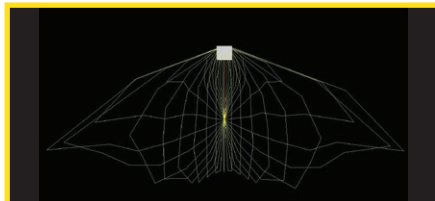
Pure Green LEDs are designed to avoid using wavelengths that disorientate and sometimes attract nocturnal migrating birds.

OPTIC OPTIONS



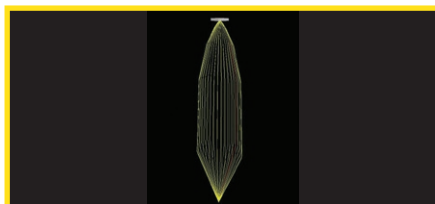
Normal

Delivers evenly distributed light, perfect for a general area lighting with normal mounting heights.



Perimeter

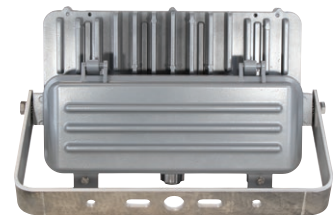
This optic was designed specifically for the needs of perimeter lighting. This asymmetric beam pattern offers a low and wide distribution that is perfect for illuminating fence lines



Spot

Offers high lumen density at taller mounting heights, perfect for focused lighting areas.

MOUNTING OPTIONS



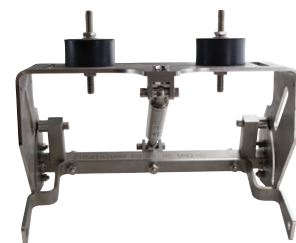
Yoke

Standard mounting for KFL-X floodlight



Pole Mount (Coming Soon!)

1 1/4" and 1 1/2" NPT Pipe Tilt-aim allows for precise illumination when the KFL-X is mounted on the end of a pole



Jib Crane

Auto-leveling with shock-absorber, and vibration isolators designed for the demands of luminaires mounted to jib cranes

INTELLIGENT BATTERY BACKUP

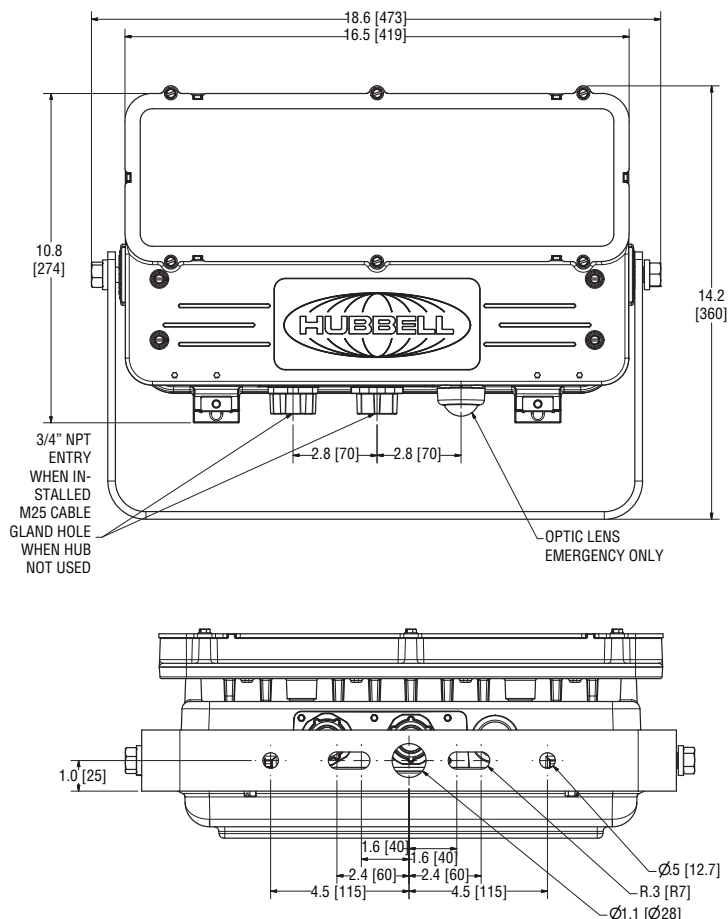
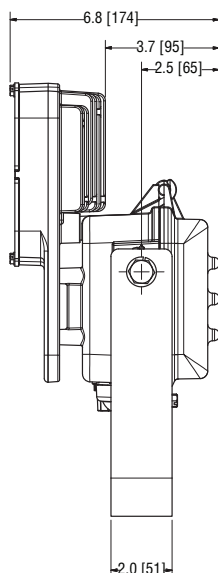
- Self-diagnostics monitors LED luminaire status
- Self-Test feature automatically runs a 1 month and bi-yearly functional test
- LED indicator provides visible fault detection and charging status
- User initiated 1, or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer in brown-out conditions (below 80% of nominal AC input voltage)





DIMENSIONS

Housing Material: Copper-Free Aluminum
 Finish: Powder Epoxy Painted
 External Hardware: 316 Stainless Steel
 Weight: 25lbs (11.3kgs)



| ORDERING INFORMATION AND AMBIENT SUITABILITY | | | | | | C1D2 | | | C1D2 SIMULTANEOUS | | | C2D1 | | | IEC ZONE 2 | | | IEC ZONE 21 | | |
|--|---------------------|-------|---------|-----------|---------------------|------|------|------|----------------------|------|------|------|------|------|------------|------|------|-------------|-------|-------|
| CATALOG NO. | WEIGHT LBS./KG | WATTS | VOLTAGE | AMPS | DELIVERED LUMENS | 40°C | 55°C | 65°C | 40°C | 55°C | 65°C | 40°C | 55°C | 65°C | 40°C | 55°C | 65°C | 40°C | 55°C | 65°C |
| KFL730 | 25 lbs / 11.3 kg | 60 | 120-277 | 0.50-0.21 | 7948 | T5 | T4A | T4 | T3C | T3C | T4 | T3C | T3C | T3C | T5 | T4 | T3 | 160°C | 160°C | 160°C |
| KFL1030 | | 90 | 120-277 | 0.8-0.3 | 10210 | T5 | T4A | T4 | T3C | T3C | T4 | T3C | T3C | T3C | T5 | T4 | T3 | 160°C | 160°C | 160°C |
| KFL1430-TURTLE | | 104 | 120-277 | 0.9-0.4 | 4401 | T4A | T4A | — | T4A | T4A | — | T4A | T4A | — | T4 | T4 | — | 160°C | 160°C | — |
| KFL1430-GREEN | | 137 | | 1.1-0.5 | 9702 | T4A | T4A | — | T4A | T4A | — | T4A | T4A | — | T4 | T4 | — | 160°C | 160°C | — |
| KFL1430 | | 120 | 120-277 | 1.0-0.4 | 15140 | T5 | T4A | T4 | T3C | T3C | T4 | T3C | T3C | T3C | T5 | T4 | T3 | 160°C | 160°C | 160°C |
| KFL2030 | | 180 | 120-277 | 1.5-0.7 | 21370 | T4 | T3C | — | T3C | T3C | — | T3C | T3C | — | T4 | T3 | — | 160°C | 160°C | — |
| KFL3030 | | 280 | 120-277 | 2.3-1.0 | 28940 | T4 | T3C | — | T3B | — | — | T3B | — | — | T4 | T3 | — | 165°C | — | — |

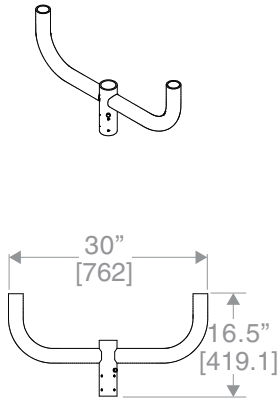
| ORDERING INFORMATION AND AMBIENT SUITABILITY | | | | | | DELIVERED LUMENS | | C1D2 | | C1D2 SIMULTANEOUS | | C2D1 | | IEC ZONE 2 | | IEC ZONE 21 | |
|--|---------------------|-------|---------|-----------|---------------------|--------------------------|--|------|------|-------------------|------|------|------|------------|------|-------------|-------|
| CATALOG NO. | WEIGHT LBS./KG | WATTS | VOLTAGE | AMPS | NORMAL OPERATION | DURING BATTERY BACKUP | | 40°C | 50°C | 40°C | 50°C | 40°C | 50°C | 40°C | 50°C | 40°C | 50°C |
| KFL7IE130 | 25 lbs / 11.3 kg | 60 | 120-277 | 0.50-0.21 | 7948 | 1000 | | T5 | T4A | T3C | T3C | T3C | T3C | T5 | T4 | 160°C | 160°C |
| KFL7IE0530 | | 60 | 120-278 | 0.50-0.22 | 7948 | 500 | | T6 | T4A | T3C | T3C | T3C | T3C | T5 | T4 | 160°C | 160°C |
| KFL14IE130 | | 120 | 120-277 | 0.8-0.3 | 15140 | 1000 | | T5 | T4A | T3C | T3C | T3C | T3C | T5 | T4 | 160°C | 160°C |
| KFL14IE0530 | | 120 | 120-278 | 0.8-0.4 | 15140 | 500 | | T6 | T4A | T3C | T3C | T3C | T3C | T5 | T4 | 160°C | 160°C |



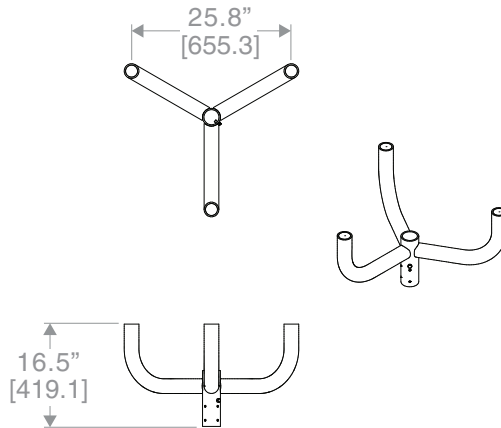
FLOODLIGHT ACCESSORIES

BULLHORN BRACKET – POLE TOP BRACKET

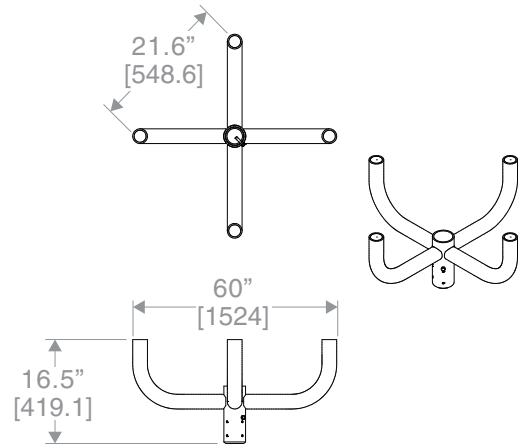
DIMENSIONS



BHH-2-180



BHH-3-120



BHH-4-90

FEATURES

- Steel construction
- Available for 2, 3, or 4 luminaires
- Works with 2" pole tenon (2.38"/60.5mm O.D.)
- Painted with textured dark bronze

KFL MOUNTS AND ACCESSORIES

| CATALOG NUMBER | DESCRIPTION |
|---------------------|--|
| KFS-6 | Steel Slipfitter for 2" Pipe (2-3/8" o.d.) Tenon. Slips 3.75" Over Pipe |
| KFCB | Heavy Duty Cast-Iron Crossarm Fitting for Horizontal Trunnion |
| KFWB | Heavy Duty Wall Mount and/or Pipe Clamp Fitting Clamps 2" Pipe (2-3/8" o.d.) Through 2-1/2" |
| K4040 | Heavy Duty Steel Wall Bracket. (Must be with KFCB Crossarm Fitting) |
| 4041 | Heavy Duty Steel Wall Bracket 2" Pipe (2-3/8" o.d.) Tenon Fitting. Uses with KFS-6 |
| VMSC10 | 10' Stainless Steel Safety Cable with loop grip |
| BHH-2-180 | 2 Position Bullhorn with an orientated of 180° |
| BHH-3-120 | 3 Position Bullhorn with an orientated of 120° |
| BHH-4-90 | 4 Position Bullhorn with an orientated of 90° |
| KFLX-DARK | Visor that blocks vertical light when mounting at an angle is at or below 45° (not used with KFLX-GUARD) |
| KFLX-GUARD | Wire Guard, 316 Stainless Steel (not used with KFLX-DARK) |
| SSC01-000009 | Swinging Jib Crane Assembly |