



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

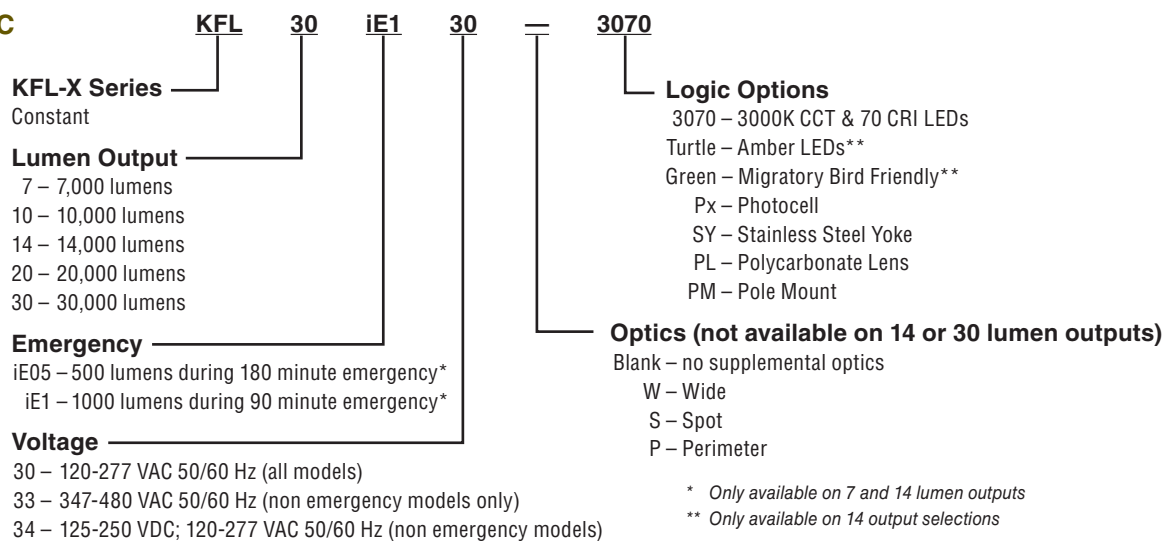
External Hardware: 316 Stainless Steel

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

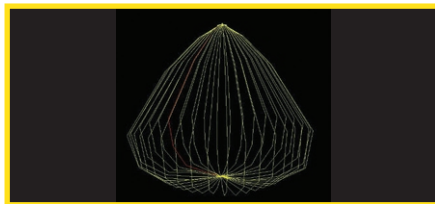
Pure Amber LEDs have zero energy in the blue light spectrum that is designed as a marine life friendly option for coastal regions.



GREEN

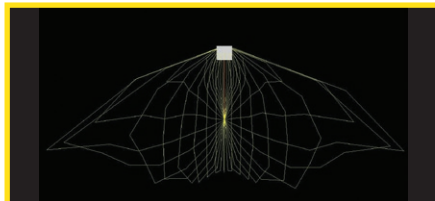
Pure Green LEDs are designed to avoid using wavelengths that disorientate and sometimes attract nocturnal migrating birds.

OPTIC OPTIONS



Normal

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



Perimeter

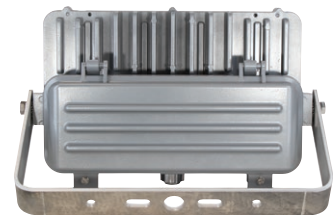
This optic was designed specifically for the needs of perimeter lighting. This asymmetric beam pattern offers a low and wide distribution that is perfect for illuminating fence lines



Spot

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

MOUNTING OPTIONS



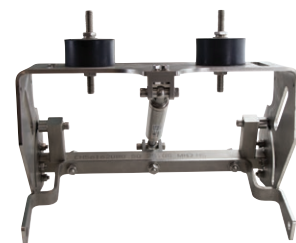
Yoke

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

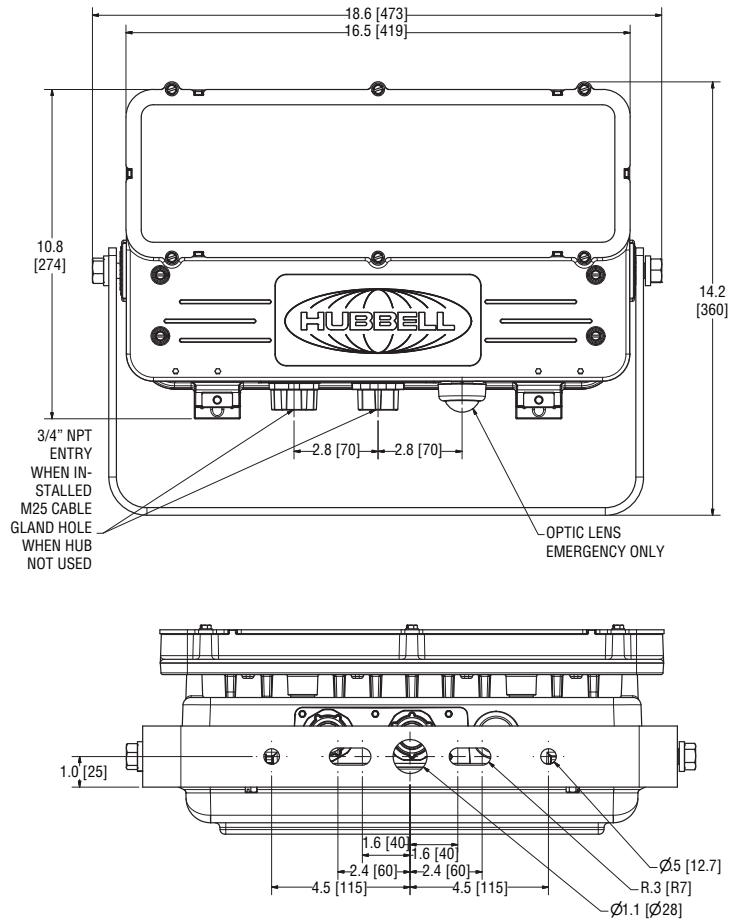
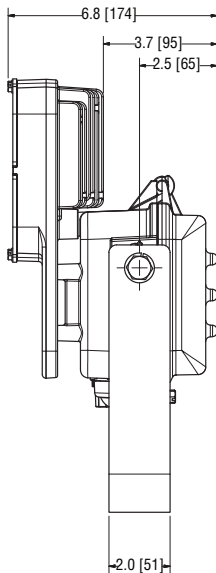
- Self-diagnostics monitors LED luminaire status
- Self-Test feature automatically runs a 1 month and bi-yearly functional test
- LED indicator provides visible fault detection and charging status
- User initiated 1, or 90-minute system test feature
- 15 minute re-transfer delay
- Automatic unit transfer 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	—	—

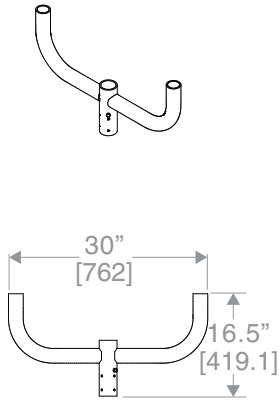
ORDERING INFORMATION AND AMBIENT SUITABILITY					DELIVERED LUMENS		C1D2		C1D2 SIMULTANEOUS		C2D1		IEC ZONE 2		IEC ZONE 21	
CATALOG NO.	WEIGHT LBS./KG	WATTS	VOLTAGE	AMPS	NORMAL OPERATION	DURING BATTERY BACKUP	40°C	50°C	40°C	50°C	40°C	50°C	40°C	50°C	40°C	50°C
KFL7IE130	25 lbs / 11.3 kg	60	120-277	0.50-0.21	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



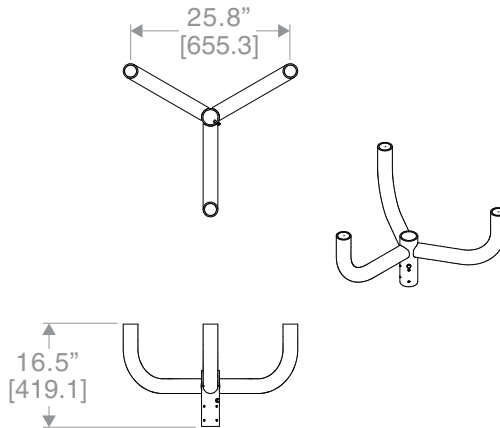
FLOODLIGHT ACCESSORIES

BULLHORN BRACKET – POLE TOP BRACKET

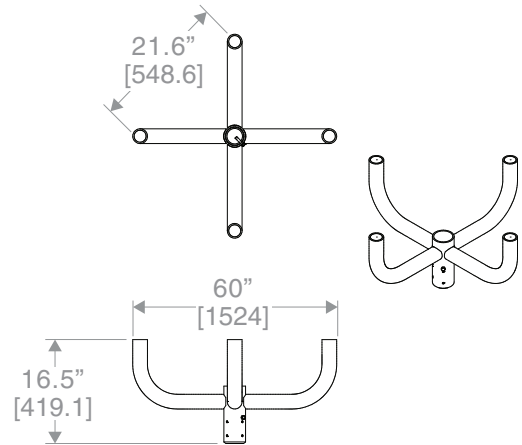
DIMENSIONS



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