

LIGHTING

KFLC SERIES



COMPACT FLOOD – INTRODUCTION & LOGIC



Class I, Div. 2, Groups A,B,C,D
 Class I, Zone 2, Groups IIC, IIB, IIA
 Class II, Div. 1 & 2, Groups E,F,G
 Class III
 Type 4X

 File LR11713

PETROBRIGHT® LED

FEATURES-SPECIFICATIONS

Applications

LED Compact Floods are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or Type 3 and 4X areas where wind, water, snow or high ambients can be expected. They can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC.

Typical applications include spot lighting or walkways in manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities

Compliances

- UL-8750 for LED lighting
- ANSI/UL 1598 (A)
- UL-844 Standard for lighting fixtures for hazardous locations, Class I, Division 1; Class II, Division 1; Class III
- CSA C22.2 no. 137-M1981 electric luminaires for use in hazardous locations
- Enclosed and gasketed
- Type 3, 4X, IP66

Materials

- Body and lens frame corrosion resistant copper-free aluminum alloy with baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware – stainless steel
- Thermal shock and impact resistant extra heavy-duty glass lens
- High temperature silicone gasketing
- Trunnion heavy gauge galvanized steel with painted finish

LED Flood Features and Standards

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

- One 3/4" NPT hub & R-21 3/4" x 1/2" reducer is standard
- Crisp White Light for Excellent Color Rendering – Chromaticity 5000 K (CCT); approx. 70 CRI
- Energy Savings – High lumens per watt
- LED Array Life – 100,000+ hours with 70% initial lumens
- Long Fixture Life – 50,000 - 55,000 maintenance free hours
- Ambient suitability -40°C to 55°C
- Instant On – Including after power interruption
- Solder-LESS LED Board Connections – Vibration Resistant

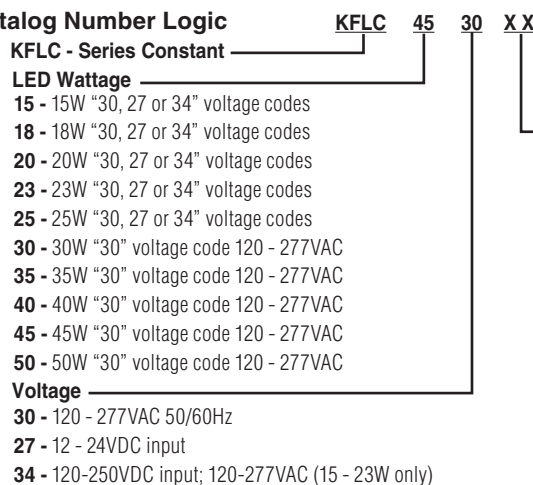
Patented Fixture Design



KFLC with KFS-6 Slipfitter mount on 2" pipe

Dark Sky Visor KFLC-DARK

Catalog Number Logic



Options

- LY- Less Yoke for Wall Mount
- F- Single Fuse (Not for use in Canada)
- FF- 2 Fuses (Not for use in Canada)
- SP- Surge Protection
- TBL- Terminal Blocks Looping
- D75- Dual 3/4" threaded NPT entry
- M25- Single M25 Slip-hole Entry
- D25- Two M25 Slip-hole Entry
- M20- Single M20 Slip-hole Entry
- D20- Dual M20 Slip-hole Entry
- PL- Polycarbonate Lens**



COMPACT FLOOD – ORDERING & TECHNICAL DATA

ORDERING INFORMATION AND AMBIENT SUITABILITY						C1D2		C1D2		C2D1		L70	
CATALOG NO.	WEIGHT LBS./KG	WATTS	VOLTAGE	AMPS	DELIVERED LUMENS	40°C	55°C	40°C	55°C	40°C	55°C	TM-21	CALCULATED
KFLC1527	9.50 / 4.31	15	12-24VDC	1.3-0.6	1435	T6	T6	T4	T3B	T4A	T4A	60100	270000
KFLC1530			120-277VAC	0.2-0.1									
KFLC1534			120-250VDC	0.2-0.1									
KFLC1827		18	12-24VDC	1.5-0.8	1830	T6	T6	T4	T3B	T4A	T4A	72600	278000
KFLC1830			120-277VAC	0.2-0.1									
KFLC1834			120-250VDC	0.2-0.1									
KFLC2027		20	12-24VDC	1.7-0.8	2170	T6	T6	T4	T3B	T4A	T4A	60100	270000
KFLC2030			120-277VAC	0.2-0.1									
KFLC2034			120-250VDC	0.2-0.1									
KFLC2327		23	12-24VDC	1.9-1.0	2550	T6	T6	T4	T3B	T4A	T4A	60100	270000
KFLC2330			120-277VAC	0.2-0.1									
KFLC2334			120-250VDC	0.2-0.1									
KFLC2527		25	12-24VDC	2.1-1.0	2667	T6	T6	T4	T3B	T4A	T4A	72600	278000
KFLC2530			120-277VAC	0.2-0.1									
KFLC2534			120-250VDC	0.2-0.1									
KFLC3030		30	120-277VAC	0.26-0.11	2662	T6	T6	T4	T3B	T4A	T4A	60100	270000
KFLC3530		35		0.30-0.13	3302	T6	T6	T4	T3B	T4A	T4A	60100	270000
KFLC4030		40		0.34-0.15	4039	T6	T6	T4	T3B	T4A	T4A	72600	278000
KFLC4530		45		0.38-0.17	4718	T6	T6	T4	T3B	T4A	T4A	72600	278000
KFLC5030		50		0.42-0.18	5353	T6	T6	T4	T3B	T4A	T4A	60300	190000

KFL MOUNTS AND ACCESSORIES	
CATALOG NUMBER	DESCRIPTION
KFLC-DARK	Reflector for field addition - No uplight at 45° to 70°
KFLCG	Guard
KFLC-DOOR	Replacement Door Assembly
NWP-HUBA	3/4" Aluminum Hub; Replacement or Additional (Max. 4)
VMSC10	Safety Cable (through yoke)
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" Pipe (2-7/8" o.d.)
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



Dimensions

