HUBBELL

KILLARK®

KFL SERIES
CLASS I, Division 2
CLASS I, Zone 2

- Up to 125 Lumens Per Watt
- Harsh & Hazardous Duty
- L70 Value 150,000+ Hours
- Crisp White 5,000° Kelvin Light

LED FLOODLIGHT

HSI = GREEN
HUBBELL SUSTAINABILITY INITIATIVE

Scan QR Code with your mobile device to learn more

100 1913 KILLARK 2013

125 1888 HUBBELL 2013

Class I, Div. 2, Groups A,B,C,D
Class II, Div. 1&2, Groups EFG
Class III
Suitable for wet locations
Marine
NEMA 3, 4X, IP66

c SP us File LR11713

IEC Ex Rated model (w/IEX suffix)
Zone 2 and Zone 22 areas to IEC 60079-10-1 & IEC 60079-10-2 (w/IEX suffix)
Ex nA II T* Gc [*see temp. grid]
Ex tc IIIC T* °C Dc IP6X [*see temp. grid]
Tamb -50°C to +55°C
Certificate # Pending

FEATURES-SPECIFICATIONS

PETROBRIGHT™ LED

Applications

LED Floods are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 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 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 2; Class II, Divisions 1 and 2; Class III
- CSA C22.2 no. 137-M1981 electric luminairies for use in hazardous locations
- Enclosed and gasketed
- NEMA 3, 4X, IP66
- IEX suffix Zone 2 to EN Standards

Materials

- Body, end caps 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 glass lens
- High temperature silicone gasketing
- Trunnion heavy gauge galvanized steel with painted finish

LED Flood Features and Standards

- Crisp White Light for Excellent Color Rendering - Chromaticity 5000° K (CCT); approx. 70 CRI
- Energy Savings - High lumens per watt
- Long Life - to 150,000 maintenance free hours to 70% initial lumens
- Ambient suitability -50°C to 55°C
- Instant On - Including after power interruption
- World Voltage 120 - 277VAC 50/60Hz
- Solder-LESS LED Board Connections - Vibration Resistant
- LM80-08* Measurement of lumen maintenance for LED light sources
- LM79-08* Certified "Absolute" Photometry, including Chromaticity Color for Solid State Lighting
- L70 Values - Industry Nomenclature for Hours of use to 70% of initial Lumens - TM-21* & Calculated

KFL with KFS-6 Slipfitter mount on 2" pipe

Dark Sky Visor KFL-DARK

* LM-xx & TM-xx are illumination Engineering Society Standards designed to promote uniformity in testing procedures among test labs and manufacturers.
For more information go to www.ies.org

Catalog Number Logic

KFL 125 30 XX

KFL - Series Constant

Fixture Wattage
060 - 60W
070 - 70W
075 - 75W
085 - 85W
090 - 90W
105 - 105W
110 - 110W
125 - 125W

Voltage
30 - 120 - 277VAC 50/60Hz
33 - 347 - 480VAC 60Hz (85W to 125W models)
34 - 120 - 250V DC (60W only)

Options
F - Single Fuse①
FF - Double Fuse①
SP - Surge Protection
TB - Terminal Blocks
TBL - Terminal Blocks **Looping** (Std. w/IEx)
P1 - 120V Photocell, factory installed
P2 - 120V-277V Photocell, factory installed
P3 - 347V Photocell, factory installed
QD - Quick Disconnect
D75 - 2 x 3/4" NPT
SY - 316 SS Yoke
IEX - IEC Zone 2
D20 - 2x M20 entries
D25 - 2x M25 entries

Construction Note: Dual metric entries are tapped with one plugged.

Standard 3/4" NPT entry will be plugged.

①*Fusing not for Canadian or Marine Installations*

HUBBELL KILLARK

Ordering Information and Ambient Suitability				C1D2 ⑤		C1D2 ⑤ Simultaneous		C2D1 ⑤		Zone 2		Zone 21	
Catalog No.①②	Watts	Amps 120/277③	Digital Lumens	40C	55C	40C	55C	40C	55C	40C	55C	40C	55C
KFL06030	60	0.5/0.2	5800	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3
KFL07030	70	0.6/0.3	9742④	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3
KFL07530	75	0.6/0.3	7200	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3
KFL08530	85	0.7/0.3	10890④	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3
KFL09030	90	0.8/0.4	8400	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3
KFL10530	105	0.9/0.4	9800	T4A	T4A	T3C	T3C	EFG	EFG	T4	T4	T3	T3
KFL11030	110	0.9/0.4	13780④	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3
KFL12530	125	1.0/0.5	15340④	T6	T5	T3C	T3C	EFG	EFG	T6	T6	T3	T3

① Shipping weight Approx. 30lbs
② Cat. nos. are 120-277VAC models, models see logic for 347-480V.
③ Amperage measured at 120VAC; 277VAC calculated
④ Extra high Lumens per Watt LED models
⑤ Use 75° Supply Wire @40°C Ambient; 90 @55°C Ambient

Efficacy	L70 Calculated	L70 TM-21**
Extra High L/W Models	150,000 Hours to 70% Initial	72,600 Hours Official Reported
High L/W Models	150,000 Hours to 70% Initial	60,100 Hours Official Reported

**TM-21 based values require very long duration testing. IES TM-21 "official reported" is based on the # of hours of LED chip manufacturer's LM-80 Testing at printing.

KFS-6
Slipfitter

KFCB
Cross Arm Mount

KFWB
Wall/Pipe Bracket

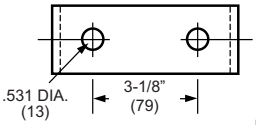
K4040
Wall Bracket

4041
Tenon Fitting

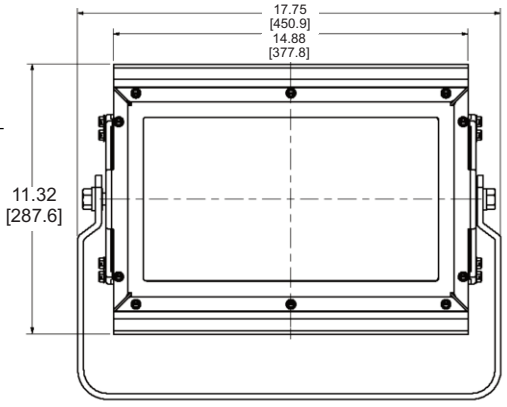
KFL Mounts and Accessories①	
CATALOG NUMBER	DESCRIPTION
KFS-6	Steel Slipfitter for 2" Pipe (2-3/8" o.d.) Tenon. Slips 3.75" Over Pipe.
KFCB	Heavy Duty Cast-Iron Crossarm Fitting for Horizontal Trunnion
KFWB	Heavy Duty Wall Mount and/or Pipe Clamp Fitting Clamps 2" Pipe (2-3/8" o.d.) Through 2-1/2" Pipe (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.
KFLG	Wire Guard, 316 Stainless Steel
VMSC10	10' Stainless Steel Safety Cable with loop grip②
KFL-DARK	Dark Sky Visor, White Painted Aluminum③
KFL-DOOR	Replacement Door and Lens Assembly

① Fittings available to adapt trunnion mount floodlights to crossarms, poles and walls. Must be ordered separately.
② Drop limit 1'. Attaches to luminaire cable provision and to mounting structure.
③ Designed to eliminate uplight when aimed at 45°.

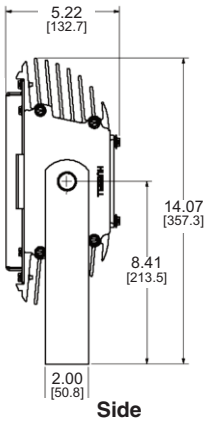
Dimensions



Trunnion Mounting Detail



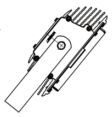
Front



Side

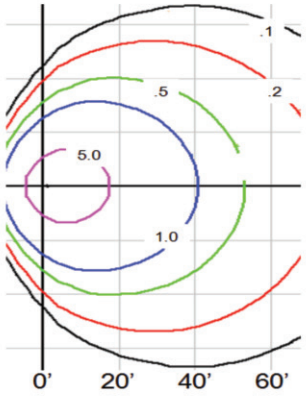
Photometric Data

KFL 110W at 45°



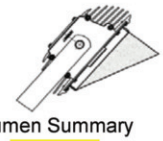
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	2581	N.A.	18.7%
0-60	7690	N.A.	55.8%
0-90	12342	N.A.	89.5%
90-120	1426	N.A.	10.3%
90-150	1442	N.A.	10.5%
90-180	1442	N.A.	10.5%
0-180	13783	N.A.	100%



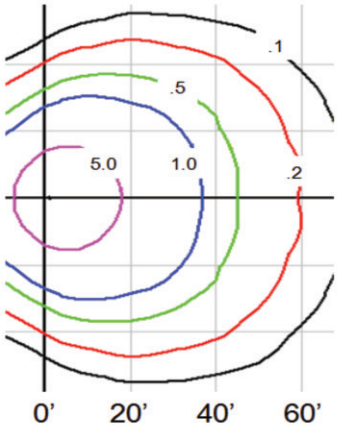
20' MH, 45° Tilt, NEMA 7X7 Pattern
Chromaticity Prox 5116K (CCT)
Certified Test Report BAL17416

KFL 110W at 45° w/ KFL-DARK



Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-30	3360	N.A.	27.3%
0-60	9684	N.A.	78.8%
0-90	12291	N.A.	100.0%
90-120	5.49	N.A.	0.0%
90-150	5.49	N.A.	0.0%
90-180	5.49	N.A.	0.0%
0-180	12297	N.A.	100%



20' MH, 45° Tilt, NEMA 7X5 Pattern
Chromaticity Prox 5124K (CCT)
Certified Test Report BAL17417

HUBBELL
KILLARK

LED LIGHTING RANGE FROM KILLARK®

	SERIES	HIGHLIGHTS	SUITABILITY
	CERTILITE V **VML1**	• LED 40, 45, 50W • Reduced profile • Swing-barrel nut & EZ Mount Adapter for easy installation	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 Suitable for wet locations Marine NEMA 3, 4X
	CERTILITE V **VM4LB** **VM4LC**	• LED 55 - 130W • Up to 115 Lumens/watt • Patented Swing-barrel nut & “EZ” adapter • 2 styles of internal LED heat sinks	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 Suitable for wet locations NEMA 3, 4X IP66 Marine
	CERTILITE **MBL**	• LED 14 - 50W • Compact Design • Globe or Flat Lens models	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 Suitable for wet locations NEMA 3, 4X Marine
	VSL **DVL**	• LED 13 & 16W • Utility retrofits for energy savings • Compact size, traditional look	**VSL:** Class I, Div. 2, Groups A,B,C,D Class I, Zone 2, Groups IIC, IIB, IIA Class II, Div. 2, Groups F,G Class III Suitable for wet locations **DVL:** Class II, Div. I, Groups E,F,G Class I, Div. 2, Groups A,B,C,D
	HOSTILELITE **EML**	• LED 40, 45, 50W • Compact Explosion-proof with traditional industrial appearance • Factory Sealed	Class I, Div. 1&2, Groups C,D Class I, Zones 1&2, Groups IIB, IIA Class II, Div. 1&2, Groups E,F,G Class III, Div. 1&2 Suitable for wet locations Marine NEMA 3, 4, 4X Factory Sealed
	PETROBRIGHT® **KFL**	**KFL** • LED 60-125W • Up to 125 Lumens/Watt • 5000K White Light	Class I, Div. 2, Groups A,B,C,D Class II, Div. 1&2, Groups E,F,G Class III Suitable for wet locations Marine NEMA 3, 4X, IP66
	PETROBRIGHT® **KF1L**	**KF1L** • LED 90-125W • Up to 95 Lumens/Watt • Explosion Proof	Class I, Div. 1&2, Groups B,C,D Class I, Zone 1&2, Groups IIB+H2, IIA Class II, Div. 1&2, Groups EFG Class III Enclosure Type 4 (NEMA 4, 7B CD, 9EFG), IP66
	HOSTILELITE **EBS**	• LED 10W 5000K Color • Up to 5X’s Brighter than comparable units • Exit Sign • Remote Mount Options	Class I, Div. 1&2, Groups B,C,D Class I, Zones 1&2, Groups IIB+H2, IIA Class II, Div. 1&2, Groups E,F,G Class III Enclosure Type 4 (NEMA 4) NEMA 7BCD, 9EFG

*See catalog data for complete ratings, certifications and series features

HUBBELL
KILLARK®
3940 M.L. King Dr. St. Louis, MO 63113
TEL: (314) 531-0460 FAX: (314) 531-7164
www.hubbell-killark.com

RACO® BELL® KILLARK® HAWKE® CHALMIT® WIEGMANN®

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