



Harsh & Hazardous

KILLARK®

KFLH Series LED TECHNOLOGY

for Harsh and Hazardous Environments



- Up to 124 Lumens per Watt
- From 170W to 390W Output
- Ambient Sustainability -50°C to 55°C
- Crisp White 5000 Kelvin Light (Noon Sunlight)
- Thermal Shock and Impact Resistant Glass Lens
- Long Life LED array to 278,000 Maintenance Free Hours



KFLH SERIES

KILLARK

C1D2 FLOOD – INTRODUCTION & LOGIC



Class I, Div. 2, Groups A, B, C, D
Class I, Zone 2, IIC, IIB, IIA
Class II, Div. 1 & 2, Groups E, F, G
Class III
Suitable for wet locations
Marine Rated (US only)
Type 3, 4X
IP66

IEC Ex Rated Model (w/ IEX suffix)
Zone 2 and Zone 21 areas
Ex nA IIC T6...T3, Gc
Ex tb IIC T105°C Db
Tamb -50°C < Ta < +55°C, IP66

IECEx Certificate
QPS 15.0011



ATEX Certificate
CML 15ATEX4079X (nA)
&
CML 15ATEX3080X (tb)

**PATENTED
LENS and
REFLECTOR
DESIGN**



KFLH
Luminaire

Dark Sky Visor
KFLH-DARK

PETROBRIGHT® LED

FEATURES-SPECIFICATIONS

Applications

LED 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/CEC/IECEx/ATEX & INMETRO.

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 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 glass lens (Polycarbonate available)
- High temperature silicone gasketing
- Trunnion heavy gauge 316 stainless steel

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)

- Crisp White Light for Excellent Color Rendering – Chromaticity 5000K (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 up to 250W to -50°C for non-hazardous applications
- Instant On – Including after power interruption
- World Voltage 120 – 277VAC 50/60Hz
- Solder-LESS LED Board Connections – Vibration Resistant

Catalog Number Logic

	KFLH	170	30	XX
KFLH - Series Constant				
Fixture Wattage				
170 - 170W				
210 - 210W				
220 - 220W				
250 - 250W				
300 - 300W				
390 - 390W				
Voltage				
30 - 120 - 277VAC 50/60Hz				
33 - 347 - 480VAC 60Hz (170W to 250W)				
34 - 120 - 250VDC (170W to 250W)				
Options				
PL - Polycarbonate Lens				

F - Single Fuse (Not for use in Canada)

FF - Double Fuse (Not for use in Canada)

TBL - Terminal Blocks **Looping**

P1 - 120V Photocell, factory installed

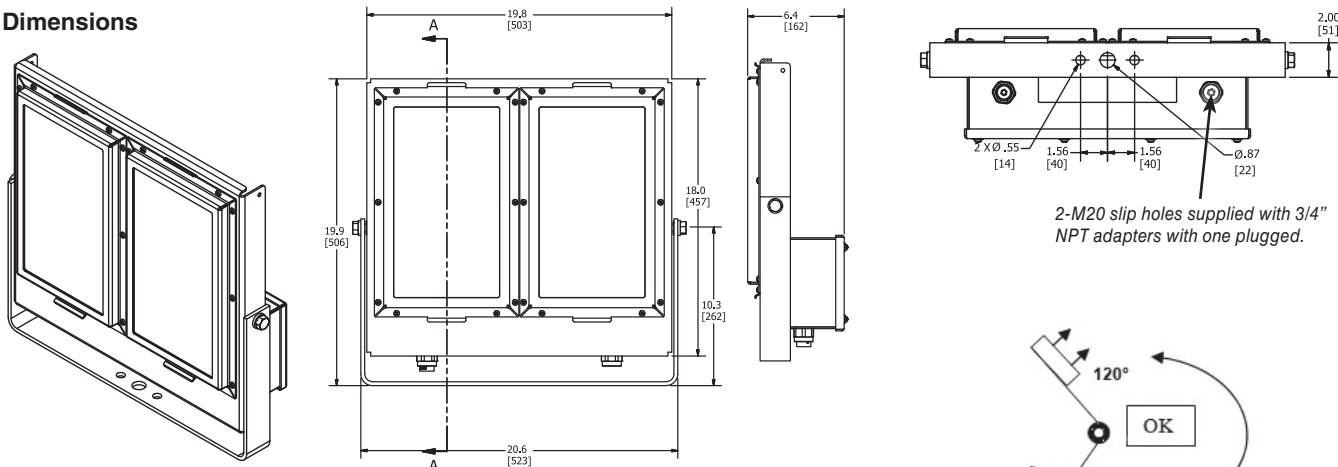
P2 - 208V-277V Photocell, factory installed

P3 - 347V Photocell, factory installed

C1D2 FLOOD – ORDERING INFORMATION & TECHNICAL DATA

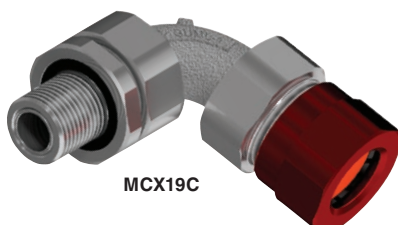
ORDERING INFORMATION AND AMBIENT SUITABILITY						C1D2		C1D2 SIMULTANEOUS		C2D1		IEC ZONE 2		IEC ZONE 21	
CATALOG NO.	WEIGHT LBS./KG	WATTS	VOLTAGE	AMPS	LUMENS	40°C	55°C	40°C	55°C	40°C	55°C	40°C	55°C	40°C	55°C
KFLH17030	25.00 / 11.3	170	120-277VAC	1.46-0.63	21620	T4A	T4	T4	T3C	T4	T3C	T4	T4	T100°C	T100°C
KFLH17033			347-480VAC	0.51-0.36											
KFLH17034			120-250VDC	1.46-0.56											
KFLH21030		210	120-277VAC	1.75-0.75	21220	T4A	T4	T4	T3C	T4	T3C	T4	T4	T100°C	T100°C
KFLH21033			347-480VAC	0.61-0.43											
KFLH21034			120-250VDC	1.75-0.68											
KFLH22030		220	120-277VAC	1.88-0.81	26970	T4A	T4	T4	T3C	T4	T3C	T4	T4	T100°C	T100°C
KFLH22033			347-480VAC	0.65-0.47											
KFLH22034			120-250VDC	1.88-0.73											
KFLH25030		250	120-277VAC	2.17-0.94	30950	T4A	T4	T4	T3C	T4	T3C	T4	T4	T100°C	T100°C
KFLH25033			347-480VAC	0.75-0.54											
KFLH25034			120-250VDC	2.17-0.85											
KFLH30030		300	120-277VAC	2.48-1.07	37030	T4A	-	-	-	-	-	T4	-	T110°C	
KFLH39030		390	120-277VAC	3.30-1.43	40410	T3C	-	-	-	-	-	T3	-	T110°C	

Dimensions



KFLH 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" 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. Use with KFS-6
KFLG	Wire Guard, 316 Stainless Steel (order 2 per fixture)
VMSC10	10' Stainless Steel Safety Cable with loop grip
KFLH-DARK	Dark Sky Visor, White Painted Aluminum
KFLH-DOOR	Replacement Internal Reflector and Lens Assembly (order 2 per fixture as required)

CABLE GLAND ORDERING OPTIONS



CATALOG #	ENTRY THREAD SIZE (NPT)	BEND	CABLE ACCEPTANCE DETAILS	
			DIAMETER 'C'	
			MIN.	MAX.
MCX19C	1/2"	90°	.60" (15.2)	.82" (20.8)
MCX29	3/4"	90°	.73" (18.5)	1.03" (26.2)

For entire series, please see www.hubbell-killark.com





CERTI^{ITE}® DESIGN

LIGHTING DESIGN SOFTWARE

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- Modern “Ribbon” Windows Interface with “Real Time” Calculations
- Easily import/export of CAD files (DWG/DXF/PDF)
- Enhanced photometric database with luminaire images and wireframes
- Ability to draw round or complex rooms and grids
- False Colors to indicate “Relative Brightness”

See “Lighting Software link” at www.hubbell-killark.com to download

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KILLARK®

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