



Harsh & Hazardous

KILLARK

KFL2H Series

LED TECHNOLOGY

for Harsh and Hazardous Environments



- Up to 133 Lumens per Watt
- From 340W to 780W 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



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)

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)

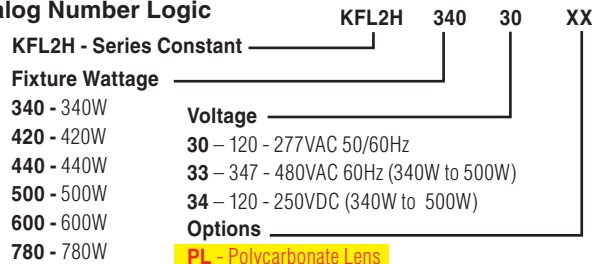
- Crisp White Light for Excellent Color Rendering – Chromaticity 5000K (CCT); approx. 70 CRI
- Energy Savings – High lumens per watt
- LED Array Life – 100,000+ hours with 70% initial lumens
- Long Fixture Life – 50,000 - 55,000 maintenance free hours
- Ambient suitability -40°C to 55°C up to 500W to -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

PATENTED LENS and REFLECTOR DESIGN

Dark Sky Visor
 KFLH-DARK



Catalog Number Logic



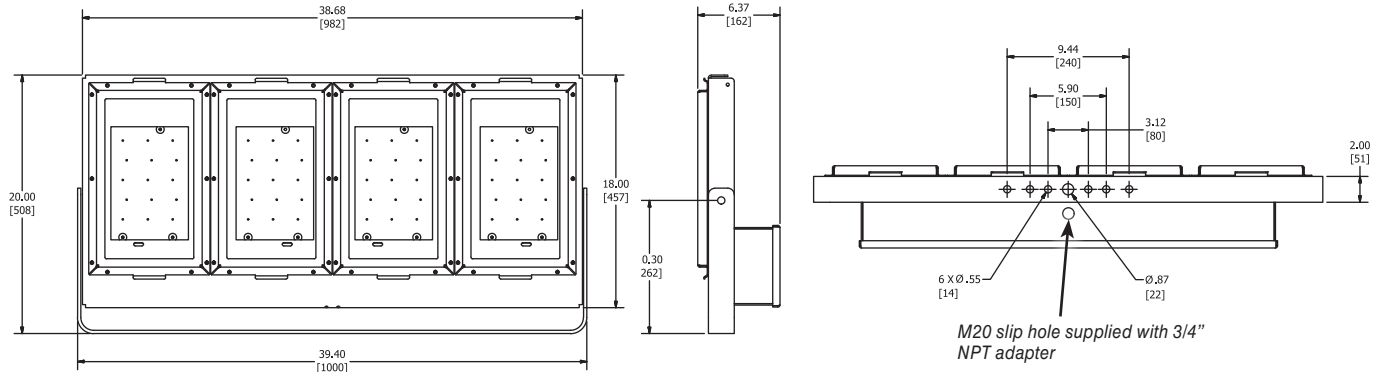
- F - Single Fuse (Not for use in Canada)
- FF - Double Fuse (Not for use in Canada)
- TBL - Terminal Blocks **Looping**
- P1 - 120V Photocell, factory installed
- P2 - 208V-277V Photocell, factory installed
- P3 - 347V Photocell, factory installed
- IEX - IEXEx includes TBL & External ground



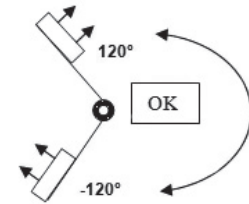
C1D2 FLOOD – ORDERING INFORMATION & TECHNICAL DATA

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
KFL2H34030	50.00 / 22.6	340	120-277VAC	2.92-1.26	43240	T4A	T4	T4	T3C	T4	T3C	T4	T4	T85°C	T100°C
KFL2H34033			347-480VAC	1.02-0.72											
KFL2H34034			120-250VDC	2.92-1.12											
KFL2H42030		420	120-277VAC	3.50-1.50	42440	T4A	T4	T4	T3C	T4	T3C	T4	T4	T85°C	T100°C
KFL2H42033			347-480VAC	1.22-0.86											
KFL2H42034			120-250VDC	3.50-1.36											
KFL2H44030		440	120-277VAC	3.76-1.62	53940	T4A	T4	T4	T3C	T4	T3C	T4	T4	T85°C	T100°C
KFL2H44033			347-480VAC	1.30-0.94											
KFL2H44034			120-250VDC	3.76-1.46											
KFL2H50030		500	120-277VAC	4.34-1.88	61900	T4A	T4	T4	T3C	T4	T3C	T4	T4	T85°C	T100°C
KFL2H50033			347-480VAC	1.50-1.08											
KFL2H50034			120-250VDC	4.34-1.70											
KFL2H60030	600	120-277VAC	4.96-2.14	74060	T4A	T4	-	-	-	-	T4	T4	T85°C	T100°C	
KFL2H78030		780	120-277VAC												6.60-2.86

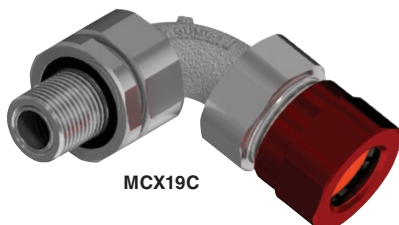
Dimensions



KFL2H 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 4 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 4 per fixture as required)



CABLE GLAND ORDERING OPTIONS



CATALOG #	ENTRY THREAD SIZE (NPT)	BEND	CABLE ACCEPTANCE DETAILS	
			DIAMETER 'C'	MIN.
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



CERTILITE[®] 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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