



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



KFL2H 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

Dark Sky Visor
KFLH-DARK



PETROBRIGHT® LED

FEATURES-SPECIFICATIONS

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

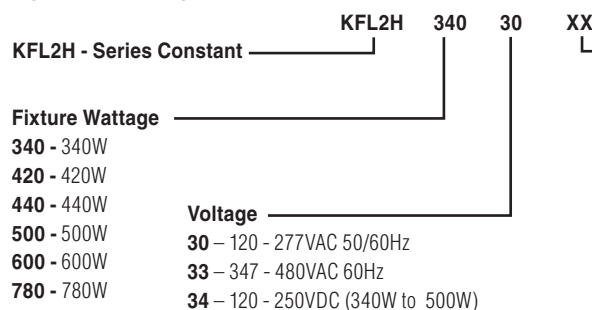
- Body and lens frame corrosion resistant copper-free aluminum alloy with baked powder epoxy/polyester finish, electrostatically applied for complete, uniform corrosion protection
- All external hardware – stainless steel
- Thermal shock and impact resistant glass lens (Polycarbonate available)
- High 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
- **Warm LED color option available with 3070**
- Solder-LESS LED Board Connections – Vibration Resistant
- Standard fixture is supplied with dual M20 slip holes with 3/4" NPT hub adapters with one plugged

Catalog Number Logic



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

IEX - IEXEx includes TBL & External ground

3070 - 3000K (CCT) and 70 CRI LEDs

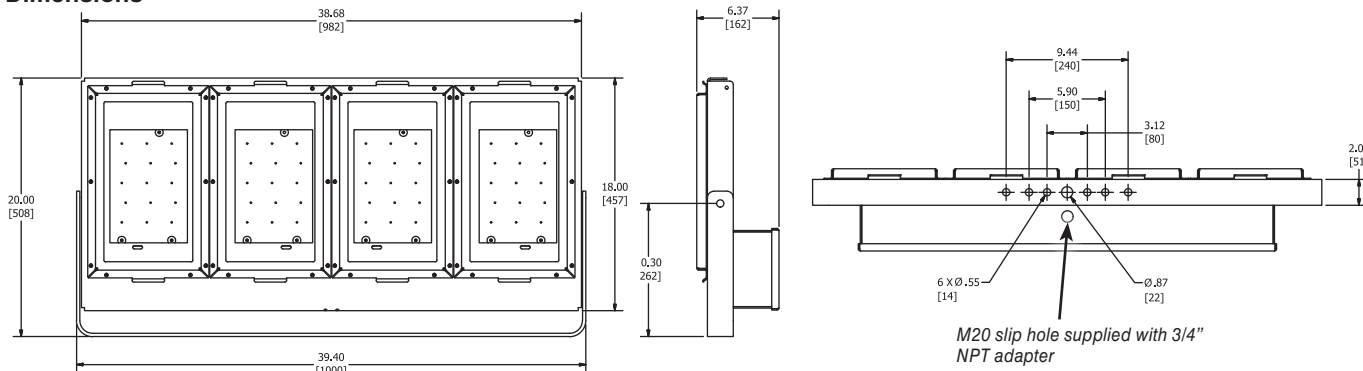
TURTLE - Wildlife Friendly Amber LEDs

AMBER - PC Amber (Phosphor Converted) LEDs

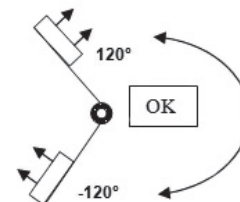
C1D2 FLOOD – ORDERING INFORMATION & TECHNICAL DATA

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	80820	T4	-	-	-	-	-	T4	-	T100°C	-

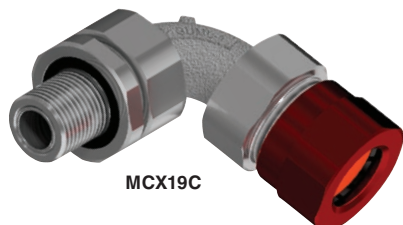
Dimensions



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.	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



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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Hubbell Killark
2112 Fenton Logistics Park Blvd. • Fenton, MO 63026
Phone: (314) 531-0460 • Fax: (314) 531-7164
www.hubbell-killark.com

