

FDM SERIES FLOOD LIGHT

Client:
 Project:
 Type:
 Quantity:

CONSTRUCTION

Rugged die-cast aluminum housing with corrosion resistant powder coat paint finish. Internal venting fins create optimal heat dissipation and allow all water to drain from the face of the luminaire.

Simple access to electrical components with removal of four screws from back of fixture housing.

OPTICS

High impact UV stabilized acrylic outer lens protects LEDs and allows for cleaning and debris removal.

Lens hardware is internal to the fixture allowing for uniform pressure on the gasket for an optimal water tight seal.

NEMA distributions: Wide (7x6)

Stock Version: 4000K & 5000K

ELECTRICAL

70+ CRI Lumileds LED.

-40°C up to 45°C (-40°F up to 113°F) maximum operating temperature.

Long-life 100,000hr LED at L70.

Driver operates at 120-277V input, 50/60Hz.

<20% THD, 0.9 power factor.

4kV surge protection, 10kV surge protector optional.

Optional 347V / 480V Driver.

SENSORS (OPTIONAL)

CONTROL-XFAC AVI-ON Bluetooth Zone Controller Adapter

SENSOR-PH-PB-U Integral button style photocell.

MOUNTING

15/27/45/60W models with Knuckle as standard, Yoke as option.

70/100/135/200W with Slipfitter as standard, Yoke as option.

350W with Yoke as standard, Slipfitter Convert Bracket as option.

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CERTIFICATION

Meets Buy America Act requirements.

IP66 Wet location label standard.

Meets Buy America Act requirements.

All luminaires are built to UL1598 standards and bear appropriate cULus labels.

DLC® Premium (DesignLights Consortium Qualified)

WARRANTY

5 year warranty, see Limited Warranty for additional information.



250 / 350W Yoke



15-60W
Yoke



15 - 60W
Knuckle



70 - 200W
Yoke



70 - 200W
Slipfitter

SHIPPING DATA

Product	Measurement	Weight
FDM-15/27	7"L x 7"W x 3"H	2 lb
FDM-45/60	8"L x 8"W x 4"H	4 lb
FDM-70/100	15"L x 12"W x 5"H	11 lb
FDM-135/200	17"L x 15"W x 5"H	16 lb
FDM-350	21"L x 18"W x 6"H	32 lb



FDM SERIES FLOOD LIGHT

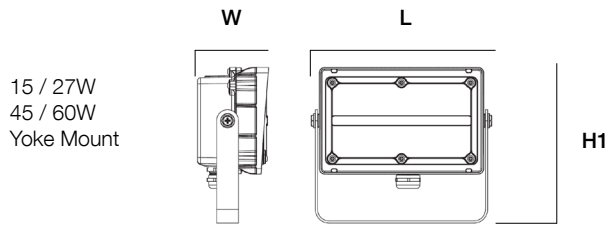
ORDER INFORMATION				EXAMPLE: FDM 200 50 77 YM DB UD			
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
	FDM			76		DB	
Accessories Options							
A	SERIES						
	FDM	Floodlight					
B	POWER & LM						
	Code	Power	LM	Code	Power	LM	
	15	15W	2000	70	70W	8900	
	27	27W	3600	100	100W	13300	
	45	45W	5650	135	135W	18000	
	60	60W	7450	200	200W	26200	
				350	350W	50000	
C	CCT						
	40	4000K		50	5000K		
D	DISTRIBUTION						
	76	7H x 6V					
E	MOUNTING						
	15W~60W			250W~300W			
	KN	Knuckle Mount (Standard for 15/27/45/60W)		YM	Yoke Mount (Standard for 250/350W)		
	YM	Yoke Mount (Option for 15/27/45/60/350W)		MOUNT-SPM-SF	Slipfitter Convert Bracket (Option for 250/350W)*		
				*see page 3 for detail			
	70W~200W						
	SF	Slipfitter (Standard for 70/100/135/200W)					
	YM	Yoke Mount (Option for 70/100/135/200W)					
F	FINISH						
	DB	Dark Bronze					
G	INPUT						
	U	120-277V, non-dimmable		H	347-480V, non-dimmable		
H	ACCESSORIES/OPTIONS						
	BAA	Assembled in America, compliant with BAA (COTS)					
	SENSOR-PH-PB-U*	Button Style Photocell					
	SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / U: 120-277V, H: 480V input					
	CONTROL-XFAC*	AVI-ON Bluetooth Zone Controller Adapter					

*see page 5 for sensor spec

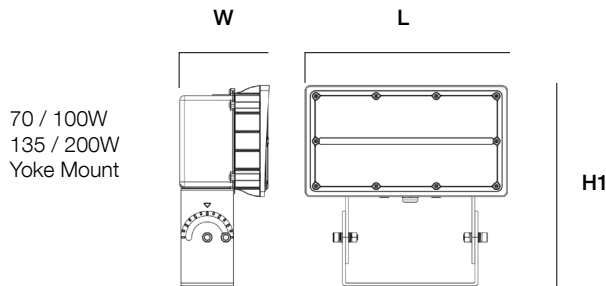
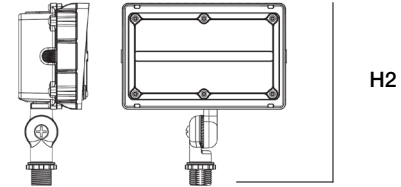
FDM SERIES FLOOD LIGHT

DIMENSIONS

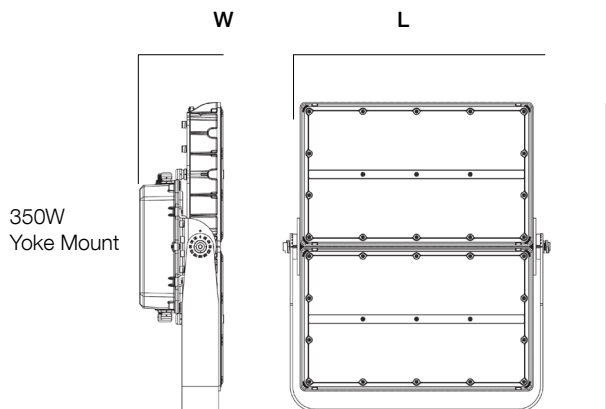
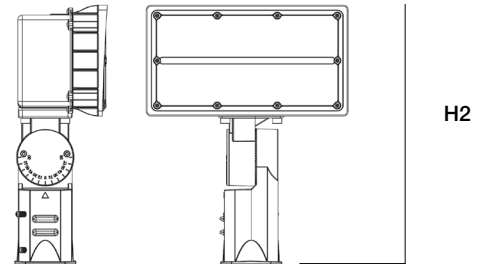
Power	L	W	H1	H2
15 / 27W	5.98" (152mm)	2.55" (65mm)	5.57" (142mm)	6.56" (167mm)
45 / 60W	8.47" (215mm)	3.12" (79mm)	6.56" (167mm)	7.50" (191mm)
70 / 100W	11.06" (281mm)	4.90" (125mm)	10.97" (279mm)	14.20" (361mm)
135 / 200W	14.53" (369mm)	4.37" (111mm)	12.56" (319mm)	16.73" (425mm)
350W	16.64" (422mm)	5.23" (133mm)	19.27" (490mm)	-



15 / 27W
45 / 60W
Knuckle Mount

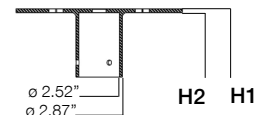
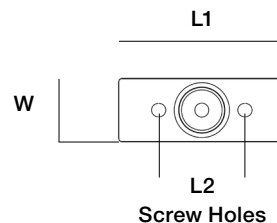


70 / 100W
135 / 200W
Slipfitter Mount



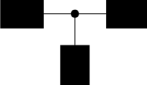
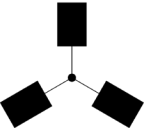
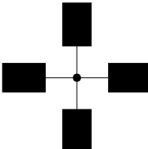
Part#	L1	L2	W	H1	H2
MOUNT-SPM-SF	10.31" (262mm)	5.35" (136mm)	3.94" (100mm)	4.25" (108mm)	4.21" (107mm)

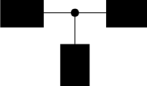
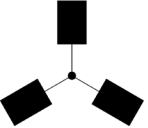
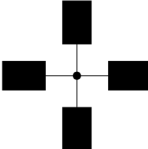
H1



FDM SERIES FLOOD LIGHT

EPA (ft²)

FDM-135/-200								
Tilt		Single	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
0	0.387		0.657	0.861	0.774	1.044	1.132	1.044
30	0.398		0.676	0.885	0.795	1.073	1.163	1.073
45	0.562		0.955	1.251	1.124	1.518	1.644	1.518
60	0.688		1.170	1.532	1.377	1.858	2.014	1.858
70	0.747		1.270	1.663	1.494	2.017	2.185	2.017
80	0.783		1.331	1.743	1.566	2.114	2.290	2.114
90	0.795		1.351	1.770	1.590	2.146	2.326	2.146

FDM-350								
Tilt		Single	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
0	0.536		0.911	1.193	1.072	1.447	1.568	1.447
30	0.744		1.265	1.656	1.488	2.009	2.177	2.009
45	1.052		1.788	2.342	2.104	2.840	3.078	2.840
60	1.289		2.191	2.869	2.578	3.480	3.771	3.480
70	1.399		2.378	3.114	2.798	3.777	4.093	3.777
80	1.466		2.492	3.263	2.932	3.958	4.289	3.958
80	1.466		2.492	3.263	2.932	3.958	4.289	3.958

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PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
15W	120-277V	76	1995	133	2000	133
27W	120-277V	76	3591	133	3600	133
45W	120-277V	76	5670	126	5650	126
60W	120-277V	76	7440	124	7450	124
70W	120-277V	76	8890	127	8900	127
100W	120-277V	76	13300	133	13300	133
135W	120-277V	76	17955	133	18000	133
200W	120-277V	76	26200	131	26200	132
350W	120-277V	76	50050	143	50000	153

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
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SENSOR-PH-PB-U	-	-	-	Universal	Dusk-to-Dawn Control	-
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CONTROL-XFAC
(see page 6 for detail)

Fixture
Controller

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-

100-277VAC

Bluetooth
On/Off/Dimming
Scheduling

AVI-ON
Bluetooth
Mobile App



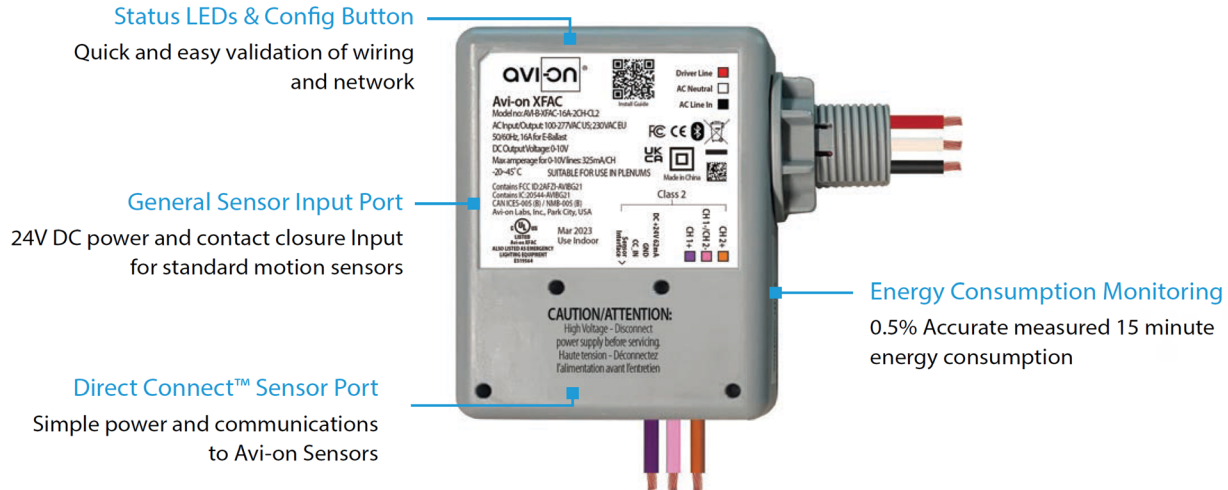
SENSOR-PH-PB-U



CONTROL-XFAC

FDM SERIES FLOOD LIGHT

CONTROL-XFAC SPEC



SPECIFICATIONS

INPUT VOLTAGE:	100-277VAC	RADIO FREQUENCY:	50/60Hz
CURRENT:	MIN: 20 / 14mA MAX: 81 / 46mA	RELAY CURRENT:	16A
0-10V DIMMING:	100-277VAC	PROTECTION/IMMUNITY:	LEVEL 4 Contact Discharge: ± 8kV Air Discharge: ±12kV 325mA / CH
SIZE:	3.58" x 3.58" x 1.57" (91mm x 91mm x 40mm)	AMPERAGE FOR 0-10V LINES:	5 years
STORAGE TEMP:	-40°F to + 185°F (-40°C to + 85°C)	WARRANTY:	FCC: 2AFZI-AVIBG21 IC: 20544-AVBG21
OPERATING TEMP:	-4°F to + 113°F (-20°C to + 45°C)	REGULATORY:	BQB: D059595, DID: 185220 UL 924, 2043

WIRING DIAGRAM

