



FD SERIES FLOOD LIGHT

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Rugged die-cast aluminum one-piece 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.

Front accessible maintenance access to electrical components with removal of three screws from front 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.

Available NEMA distributions: Type III, Wide (7x7).

Stock Version: 5000K Wide (7x7).

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.

1-10V dimming driver standard, option to have leads pulled out for easy connection.

<20% THD, 0.9 power factor.

4kV surge protection, 10kV surge protector optional.

Optional 347V / 480V Driver.

CONTROL (OPTIONAL)

CONTROL-XFAC AVI-ON Bluetooth Zone Controller Adapter

SENSOR-PH-PT-U/UD/HD Twist lock dimming/non-dimming photocontrol.

MOUNTING

Standard adjustable yoke mount (YM) bracket.

Optional adjustable slipfitter (SF) for 2-3/8" tenon.

Optional adjustable wall mount (WM) bracket.

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CUSTOM FINISH

Corrosion resistant Black, Graphite Metallic, Gray, Silver, White, Custom RAL.

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.



Yoke Mount



Wall Mount



Slipfitter

SHIPPING DATA

Product	Measurement	Weight
FD-300	32"L x 16"W x 5"H	29 lb
FD-350	32"L x 16"W x 5"H	29 lb



FD SERIES FLOOD LIGHT

ORDER INFORMATION **EXAMPLE : FD 300 40 77 YM DB UD**

Fixture Series Power & LM CCT Distribution Mounting Finish Input

FD

Accessories
Options

A SERIES

FD Flood Light

B POWER & LM

Code	Power	LM
300	300W	43700lm
350	350W	51100lm

C CCT

40	4000K
50	5000K

D DISTRIBUTION

77	7H x 7V	3M	Type III
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E MOUNTING

YM Yoke Mount (Standard)

F FINISH

Standard

DB Dark Bronze

Custom Color

CC	BK Black	GM Graphite Metallic	GR Gray
	SV Silver	WH White	RAL#

G INPUT

UD	120-277V, 1-10V Dimmable	HD	347-480V, 1-10V Dimmable
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H ACCESSORIES/OPTIONS

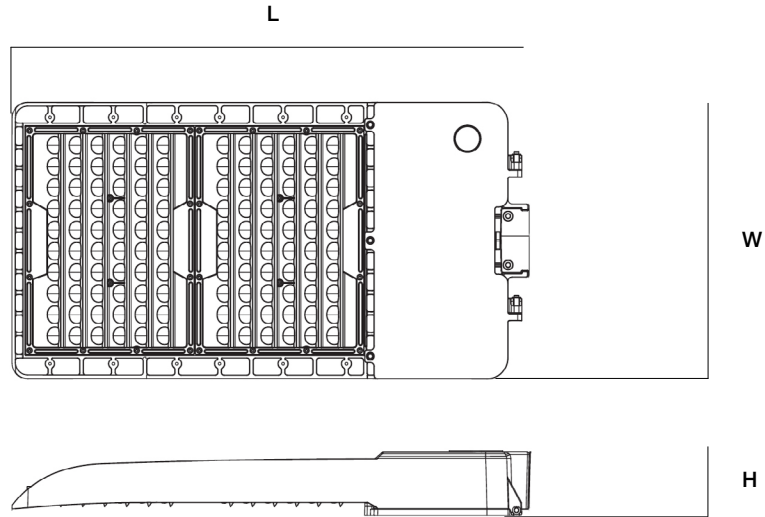
BAA	Assembled in America, compliant with BAA (COTS)
SENSOR-PH-PT-U / UD / HD*	Twist Lock Photocell / U: 120-277V, UD: 120-277V, HD: 480V input
SURGE-LSP4-U / H	10kV inline Surge Protection for Universal input / U: 120-277V, H: 480V input
SF	Optional Slipfitter
WM	Wall Mount
CONTROL-XFAC*	AVI-ON Bluetooth Zone Controller Adapter

*see page 5 for sensor spec

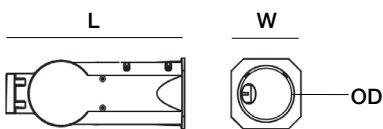
FD SERIES FLOOD LIGHT

DIMENSIONS

Power	L	W	H
300W/350W	25.04" (636mm)	13.39" (340mm)	3.15" (80mm)

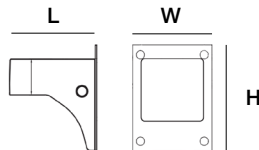


MOUNTING OPTIONS



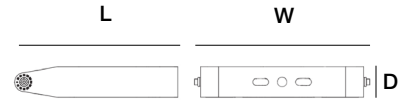
SF (Slipfitter)

L	8.46" (215mm)
W	3.15" (80mm)
OD	Ø2.40" (61mm)



WM (Wall Mount)

L	3.55" (90mm)
W	5.98" (152mm)
H	7.99" (203mm)



YM (Yoke Mount)

L	14.29" (363mm)
W	14.29" (363mm)
D	2.67" (68mm)

EPA (ft²)

Mounting Option	Single	2 @ 90°	2 @ 120°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
300W/350W	0.5614	0.8471	1.105	1.1228	1.2940	1.2503	1.2940

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PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST.TYPE	4000K (70CRI)		5000K (70CRI)	
			LUMENS	LPW	LUMENS	LPW
300W	120-277V	III	42600	142	42600	142
	120-277V	77	43800	146	43800	146
350W	120-277V	III	50050	143	50050	143
	120-277V	77	51100	146	51100	146

DLC CODE

Part Number	DLC Part Number	DLC Class
FD - 300 50 77 - XX DB UD	MAL02300W27V50K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]	Premium
FD - 300 40 77 - XX DB UD	MAL02300W27V40K[D,B,W,SG][Blank,P0][Blank,M][SQ,SP,WM]	Premium
FD - 300 50 77 - XX DB HD	MAL02300W48V50K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]	Premium
FD - 300 40 77 - XX DB HD	MAL02300W48V40K[D,B,W,SG][Blank,P3,P4][Blank,M4][SQ,SP,WM]	Premium
FD - 350 50 77 - XX DB UD	MAL06350W27V50K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium
FD - 350 40 77 - XX DB UD	MAL06350W27V40K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium
FD - 350 50 77 - XX DB HD	MAL06350W48V50K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium
FD - 350 40 77 - XX DB HD	MAL06350W48V40K[D,B,W,SG][Blank,P0,P3,P4][Blank,M][SQ,SP,WM]	Premium

FD SERIES FLOOD LIGHT

SENSOR SPEC

Model	Type	Mounting	Coverage	Input	Function	Programmable
SENSOR-PH-PT-U SENSOR-PH-PT-UD SENSOR-PH-PT-HD	-	-	-	Universal 277 ~ 480V	Dusk-to-Dawn Control	-
CONTROL-XFAC (see page 6 for detail)	Fixture Controller	-	-	100-277VAC	Bluetooth On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



SENSOR-PH-PT-U/UD



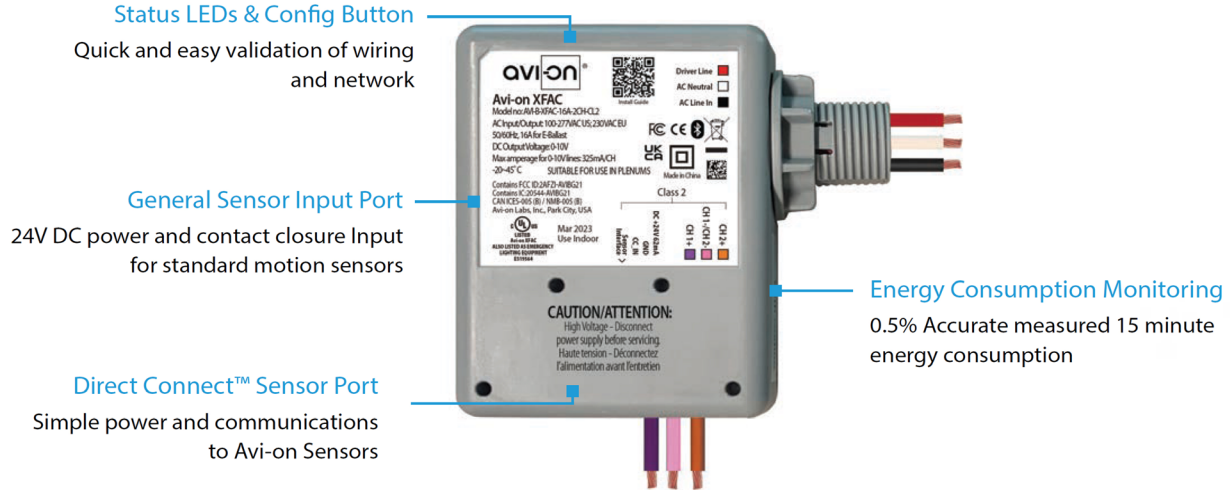
SENSOR-PH-PT-HD



CONTROL-XFAC

FD 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
SIZE:	3.58" x 3.58" x 1.57" (91mm x 91mm x 40mm)	AMPERAGE FOR 0-10V LINES:	325mA / CH
STORAGE TEMP:	-40°F to + 185°F (-40°C to + 85°C)	WARRANTY:	5 years
OPERATING TEMP:	-4°F to + 113°F (-20°C to + 45°C)	REGULATORY:	FCC: 2AFZI-AVIBG21 IC: 20544-AVBG21 BQB: D059595, DID: 185220 UL 924, 2043

WIRING DIAGRAM

