

FD SERIES COMPACT FLOOD LIGHT

Client:
Project:
Type:
Quantity:

CONSTRUCTION

Rugged die-cast aluminum housing, internal venting fins create optimal heat dissipation and allow water to drain from the face of the luminaire.

Body designed with visor trim provide optimal cutoff, used as general flood lighting or up lighting.

OPTICS

Impact resistant temper glass lens gasketed and sealed with body, maximizing protection of LED against water and dust.

Integral reflector offers NEMA 7H x 7V distribution.

ELECTRICAL

80+ CRI Lumileds LED.

-40°C up to 55°C (-40°F up to 131°F) maximum operating temperature.

Long-life 56,000hr LED at L70.

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

<20% THD, 0.9 power factor.

DC photocell included on fixture

CONTROL (OPTIONAL)

CONTROL-XFAC AVI-ON Bluetooth Zone Controller Adapter

MOUNTING

15W / 27W / 40W / 65W models

Standard with 1/2" x 14 NPS threaded adjustable knuckle mount

Optional Yoke mounting available (sold separately)

90W / 120W models

Standard with 2-3/8" slipfitter mount

Optional Trunnion mount (sold separately)

STANDARD FINISH

Corrosion resistant Dark Bronze powder coating finish.

CERTIFICATION

Meets Buy America Act requirements.

IP66 Wet location label standard.

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.



FD Knuckle mount



FD Yoke mount

SHIPPING DATA

Product	Measurement	Weight
FD-15	9"L x 8"W x 3"H	3 lb
FD-27	9"L x 8"W x 3"H	3 lb
FD-40	9"L x 8"W x 3"H	3 lb
FD-65	11"L x 9"W x 3"H	6 lb
FD-90	17"L x 9"W x 4"H	8 lb
FD-120	20"L x 11"W x 4"H	10 lb



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ORDER INFORMATION				EXAMPLE: FD 27 50 77 YM DB U P			
Fixture	Series	Power & LM	CCT	Distribution	Mounting	Finish	Input
	FD			77		DB	
Accessories Options							
A	SERIES						
	FD	Compact Flood Light					
B	POWER & LM			B1	POWER & LM		
	Code	Power	LM		Code	Power	LM
	15	15W	2,100		40	40W	5,800
	27	27W	3,600		65	65W	8,900
	40	40W	5,800		85	85W	13,500
	65	65W	8,900		120	120W	18,000
	90	90W	13,500				
	120	120W	18,000				
C	CCT (SELECTABLE)			C1	CCT		
	SC	3000K / 4000K / 5000K Selectable			50	5000K	
D	DISTRIBUTION						
	77	NEMA 7H x 7V					
E	MOUNTING			E1	MOUNTING		
	15W / 27 / 40 / 65W				40W / 65W		
	KN	1/2" Knuckle Mount (Standard for 15W / 27W / 40W / 65W)			KN	1/2" Knuckle Mount (Standard for 40W / 65W)	
	YM	Yoke Mount (Option for 40W / 65W)					
	90W / 120W				85W / 120W		
	SF	2-3/8" Slipfitter Mount (Standard for 90W / 120W)			TR	Trunnion Mount (Standard for 85W / 120W)	
	TR	Trunnion Mount (Option for 90W / 120W)					
F	FINISH						
	DB	Dark Bronze					
G	INPUT			G1	INPUT		
	U-P	120-277V, On / Off Photocell with Cap			U	120-277V	
H	ACCESSORIES/OPTIONS (SC Model)						
	AIA	Assembled in America, compliant with BAA (COTS)					
	CONTROL-XFAC*	AVI-ON Bluetooth Zone Controller Adapter					

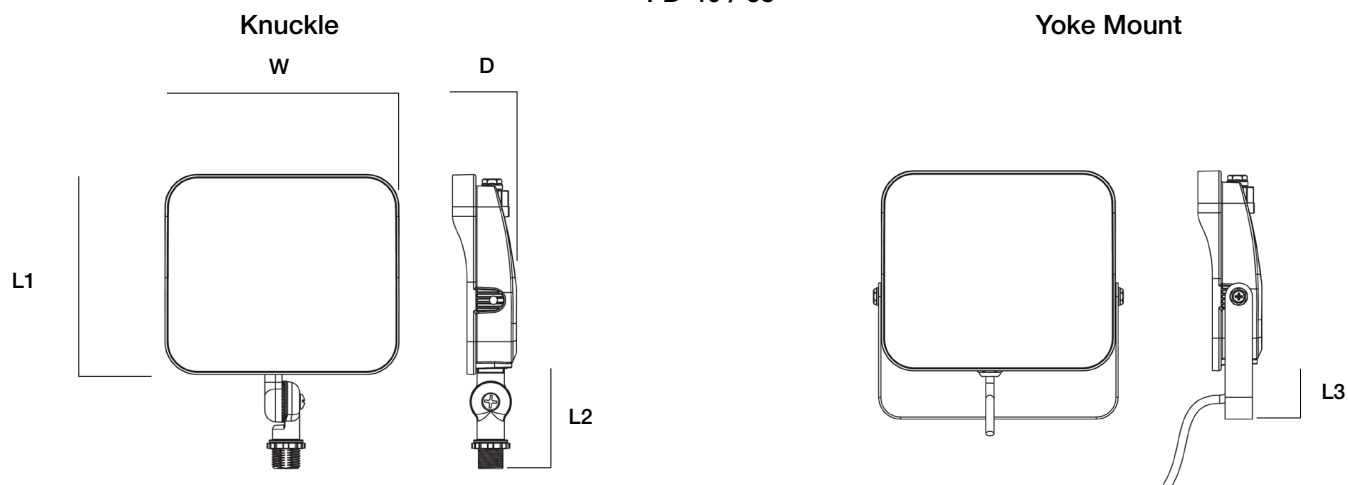
*see page 5 for sensor spec

FD SERIES COMPACT FLOOD LIGHT

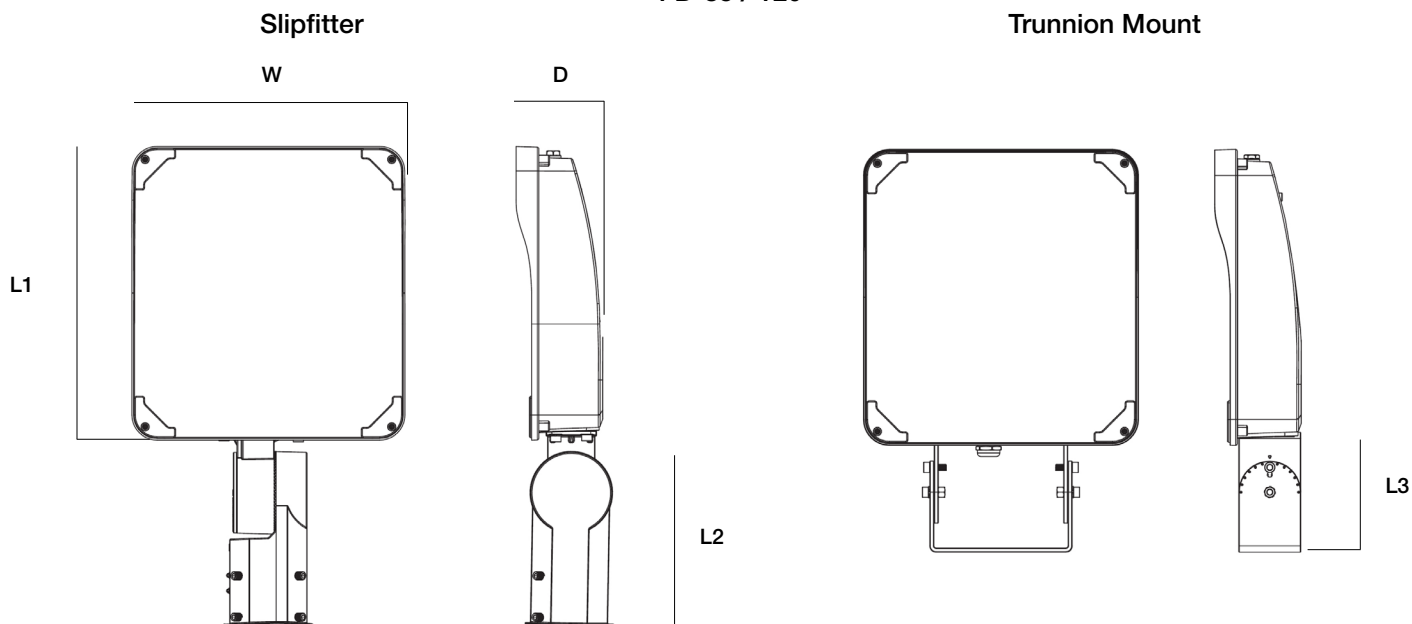
DIMENSIONS

Model	L1	L2	L3	W	D	EPA
FD-15SC / 27SC	5.80" (147mm)	2.72" (69mm)	1.38" (35mm)	6.80" (172mm)	1.90" (47mm)	0.33 ft ²
FD-40SC / 65SC	7.70" (197mm)	2.64" (67mm)	1.73" (44mm)	8.10" (207mm)	2.00" (52mm)	0.43 ft ²
FD-40 / 65	7.70" (197mm)	2.64" (67mm)	1.73" (44mm)	8.10" (207mm)	2.00" (52mm)	0.43 ft ²
FD-90SC / 120SC	11.30" (286mm)	7.09" (180mm)	4.09" (104mm)	10.40" (266mm)	3.30" (84mm)	0.82 ft ²
FD-85 / 120	8.90" (226mm)	7.09" (180mm)	4.09" (104mm)	8.10" (206mm)	3.70" (94mm)	0.45 ft ²

FD-15SC / 27SC / 40SC / 65SC FD-40 / 65



FD-90SC / 120SC FD-85 / 120



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PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIST. TYPE	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
15W SC Model	120-277V	77	2055	137	2295	153	2100	140
27W SC Model	120-277V	77	3510	130	3807	141	3591	133
40W SC Model	120-277V	77	5720	143	6000	150	5800	145
40W 5000K	120-277V	77	-	-	-	-	5800	145
65W SC Model	120-277V	77	9230	142	9685	149	9425	145
65W 5000K	120-277V	77	-	-	-	-	9425	145
85W 5000K	120-277V	77	-	-	-	-	12495	147
90W SC Model	120-277V	77	13410	149	14490	161	13500	150
120W SC Model	120-277V	77	17520	146	18960	158	18000	150
120W 5000K	120-277V	77	-	146	-	-	18000	150

DLC CODE

Part Number	DLC Part Number	DLC Class
FD - 15 SC 77 - XX DB UD	OEM DLC: MFD1115W27VDDK[B,D,W][P,Blank][KN,TR]B77[Blank,X] Product ID: PT4PYDJX	Premium
FD - 27 SC 77 - XX DB UD	OEM DLC: MFD1127W27VDDK[B,D,W][P,Blank][KN,TR]B77[Blank,X] Product ID: P9BWWTMS	Premium
FD - 40 SC 77 - XX DB UD	OEM DLC: MFD1140W27VDDK[B,D,W][P,Blank][KN,TR]B77[Blank,X] Product ID: PC11QQFF	Premium
FD - 65 SC 77 - XX DB UD	OEM DLC: MFD1165W27VDDK[B,D,W][P,Blank][KN,TR]B77[Blank,X] Product ID: P9NOUWAK	Premium
FD - 90 SC 77 - XX DB UD	OEM DLC: MFD1190W27VDDK[B,D,W][P,Blank][YK,SP]B77[Blank,X] Product ID: PZOIV75A	Premium
FD - 120 SC 77 - XX DB UD	OEM DLC: MFD11120W27VDDK[B,D,W][P,Blank][YK,SP]B77[Blank,X] Product ID: PB3BAG06	Premium

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SENSOR SPEC

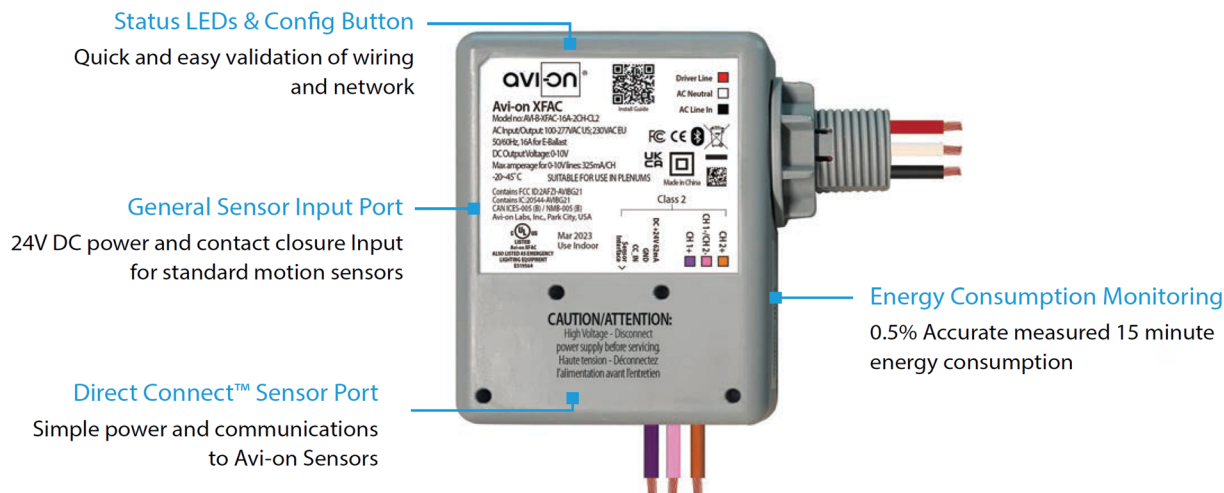
Model	Type	Mounting	Coverage	Input	Function	Programmable
CONTROL-XFAC (see page 6 for detail)	Fixture Controller	-	-	100-277VAC	Bluetooth On/Off/Dimming Scheduling	AVI-ON Bluetooth Mobile App



CONTROL-XFAC

FD SERIES COMPACT FLOOD LIGHT

CONTROL-XFAC SPEC



SPECIFICATIONS

INPUT VOLTAGE: 100-277VAC
CURRENT: MIN: 20 / 14mA
MAX: 81 / 46mA

0-10V DIMMING: 100-277VAC
SIZE: 3.58" x 3.58" x 1.57"
(91mm x 91mm x 40mm)
STORAGE TEMP: -40°F to + 185°F (-40°C to + 85°C)
OPERATING TEMP: -4°F to + 113°F (-20°C to + 45°C)

RADIO FREQUENCY: 50/60Hz
RELAY CURRENT: 16A
PROTECTION/IMMUNITY: LEVEL 4

AMPERAGE FOR 0-10V LINES: Contact Discharge: ± 8kV
Air Discharge: ±12kV
325mA / CH
WARRANTY: 5 years
REGULATORY: FCC: 2AFZI-AVIBG21
IC: 20544-AVBG21
BQB: D059595, DID: 185220
UL 924, 2043

WIRING DIAGRAM

