



# LFX8-LED

## 8' LINEAR VAPOURPROOF LED



4K only

Applications:  
Poultry barns, dairy barns, agricultural applications,  
food preparation areas, industrial facilities,  
underground parking garages

### DESCRIPTION:

Highly-efficient, dimmable, moisture, corrosion, and bacteria resistant fixture. Ideal for underground parking garages, industrial facilities, food preparation areas and dairy barns. Adjustable mounting brackets allow it to be easily suspended or mounted on various surfaces and ceilings.

### FEATURES:

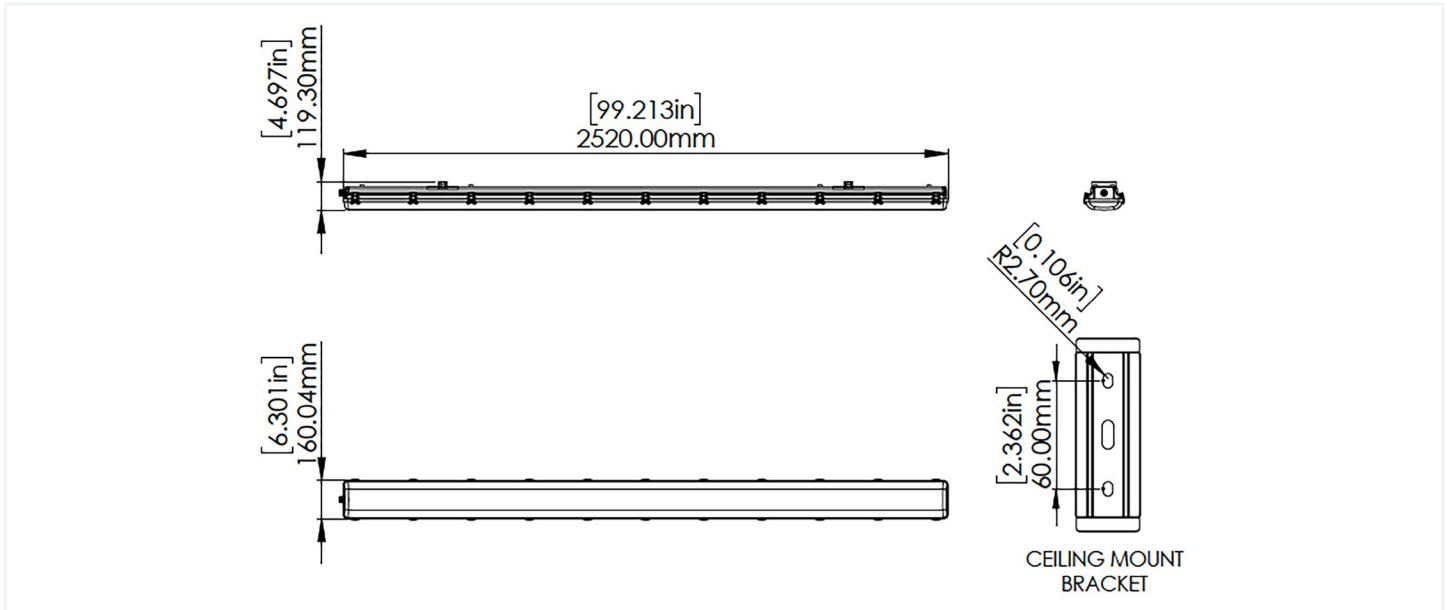
- Impact-resistant polycarbonate housing and lens complete with 22 stainless steel clips
- LED tray tethered to the housing for ease of installation
- Conduit entries on the back and side
- Voltage from 120-347V
- Standard mounting is surface or suspended mount
- Optional adjustable mounting brackets allows Installer to wall mount the fixture at a 45° angle tilt upward or downward.

This product is not suitable for car washes.  
Please see our LFW-LED series for car wash applications.

### SPECIFICATIONS

	LFX8-LED80	LFX8-LED120
Watts (W)	76.2	116
Lumens (Lm)	10813	15954
Efficacy (Lm/W)	142	137.5
Total Harmonic Distortion	13.5%	16.4%
Power Factor	0.9	0.88
Colour Temp	4000K, 5000K	
Voltage	120-347V	
CRI	84	
Dimming	0-10V Dimming (0-10% Dim to off)	
Beam Distribution	120°	
LED Life @ 100,000 Hours	81%	
Finish	Grey	
Housing Details	Polycarbonate	
Lens Details	Frosted Polycarbonate	
Mounting	Standard Surface Mount, Suspended Mount, Wall Mount (with wall mount brackets)	
Operating Temp.	-40°C to +40°C 10°C to +40°C (with Battery Back Up)	
Certifications	UL, Wet Locations, IP66, NEMA4X, NSF, DLC Standard	
Options Sold Separately	Wall Mount Bracket Kit RC-100 Remote Control	
Factory Installed Options	Dimming High Frequency Motion Sensor, 8W Battery Back Up, 10kV Surge Protection	

## DIMENSIONS:



### AMPERAGE DRAW & SURGE PROTECTION

	CURRENT (A)					SURGE PROTECTION (kV)
	120V	208V	240V	277V	347V	120-347V
LFX8-LED80	0.7A	0.41A	0.35A	0.31A	0.25A	6kV
LFX8-LED120	1.05A	0.61A	0.53A	0.46A	0.37A	4kV

### WEIGHT (lbs)

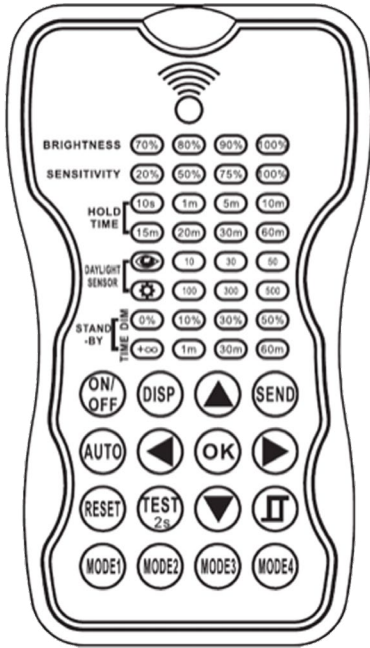
LFX8-LED80	18
LFX8-LED120	

### SPECIFICATIONS

Model Number	Voltage (V)	Power (W)	Light Output (lm)	Efficacy (lm/W)	THD (%)	PF	CCT (K)
LFX8-LED80-H-4K-XXX-DIM-FS-N4X	120-347	76	10813	142.0	13.5	0.897	4000
LFX8-LED80-H-5K-XXX-DIM-FS-N4X	120-347	76	11085	145.6	13.5	0.897	5000
LFX8-LED120-H-4K-XXX-DIM-FS-N4X	120-347	116	15954	137.5	16.4	0.878	4000
LFX8-LED120-H-5K-XXX-DIM-FS-N4X	120-347	116	16346	140.9	16.4	0.878	5000

## DHFS MOTION SENSOR

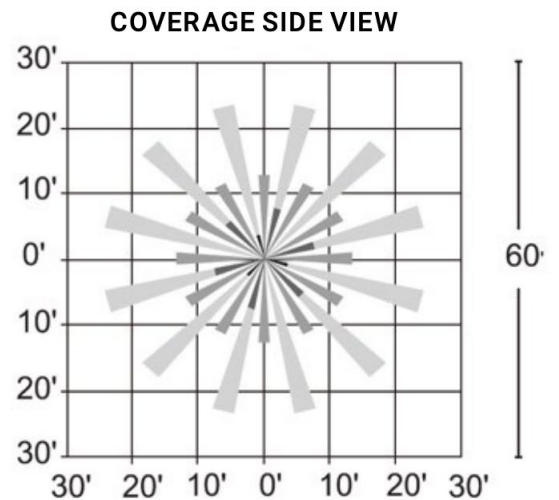
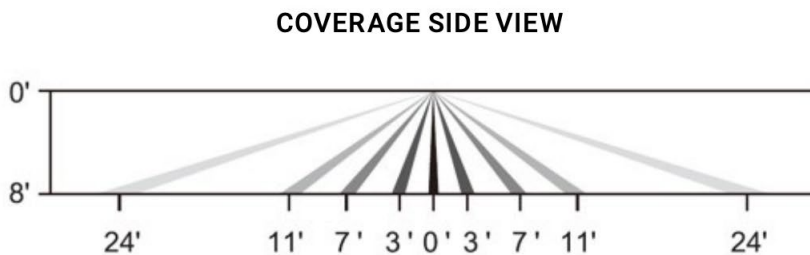
Dimming High Frequency Motion Sensor is factory installed and comes with the following default settings.



DEFAULT SENSOR SETTINGS					
BRIGHTNESS	SENSITIVITY	HOLD TIME	DAYLIGHT SENSOR	STAND-BY DIM	STAND-BY TIME
100%	100%	5 minutes	Disabled	DIM: 30%	60 minutes

DHFS SENSOR SPECIFICATIONS	
<b>POWER SUPPLY</b>	100-277 VAC, SINGLE PHASE, 60HZ 100-347 VAC, SINGLE PHASE, 60HZ 208/230/480 VAC, PHASE TO PHASE, 60HZ
<b>MAXIMUM LOAD</b>	100-120 VAC, 800W, TUNGSTEN 100-120 VAC, 800W, ELECTRONIC BALLAST/LED DRIVER 230-240 VAC, 300W, ELECTRONIC BALLAST/LED DRIVER 277 VAC, 1200W, ELECTRONIC BALLAST/LED DRIVER 347 VAC, 1200W, ELECTRONIC BALLAST/LED DRIVER 480 VAC, 480W, ELECTRONIC BALLAST/LED DRIVER
<b>HIGH FREQUENCY SYSTEM</b>	5.8GHZ +/-75MHZ
<b>DIM CONTROL OUTPUT</b>	0-10V DC DIMMING, 25MA
<b>DETECTION RADIUS/ANGLE</b>	MAX 8M (26FT) AT 360°
<b>MOUNTING HEIGHT</b>	MAX 6M (20FT)
<b>HUMIDITY</b>	MAX 95% RELATIVE HUMIDITY
<b>OPERATING TEMP.</b>	-40°C TO +40°C
<b>CYCLES</b>	200,000 ON/OFF CYCLES
<b>CERTIFICATIONS</b>	UL, FCC
<b>PROGRAMMING</b>	WIRELESS PROGRAMMING USING RC-100 REMOTE

## DHFS DETECTION RANGE & RADIUS/ANGLE

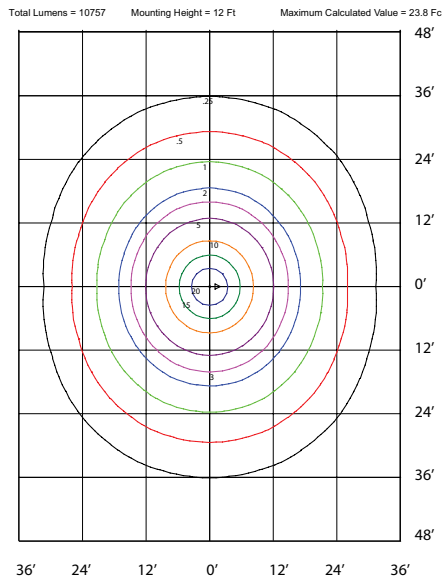


## BATTERY BACK UP DETAILS

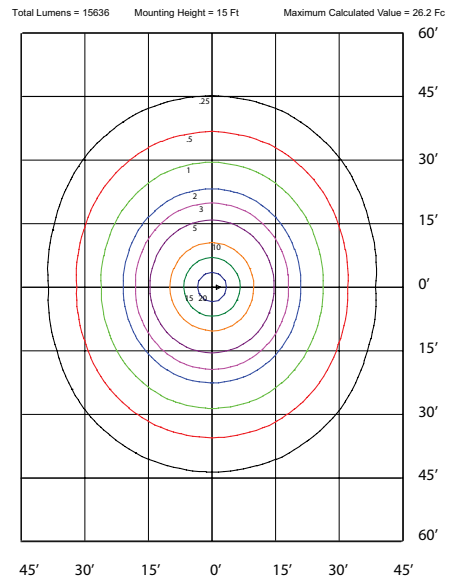
TECHNICAL SPECIFICATIONS	
<b>RATED INPUT VOLTAGE</b>	100-347 VAC
<b>INPUT CURRENT</b>	20-100mA
<b>INPUT POWER</b>	8W
<b>POWER FACTOR</b>	0.6 @ 100VAC, 0.5 @347 VAC
<b>OUTPUT WIRE L-out-N-out (LED LOAD INPUT)</b>	AC 6A MAX
<b>OUTPUT VOLTAGE (EMERGENCY MODE)</b>	M8W
<b>RECHARGE CURRENT</b>	0-200mA
<b>RECHARGE TIME</b>	24 HOURS
<b>DISCHARGE TIME</b>	90 MINUTES
<b>MAXIMUM CASE TEMPERATURE Tc</b>	70°C
<b>AMBIENT OPERATING TEMPERATURE Ta</b>	+10°C TO +40°C
<b>SERVICE LIFE</b>	50,000 HOURS
<b>RFI/EMI</b>	FCC

\* Battery Back Up is factory installed inside housing.

LFX8-LED80-H-5K-GRY-DIM-FS-N4X  
MOUNTED AT 12 FEET



LFX8-LED120-H-5K-GRY-DIM-FS-N4X  
MOUNTED AT 15 FEET



## ORDERING GUIDE:

LFX8-LED		H		GRY		DIM		NSF		N4X	
Wattage	Voltage	Color Temp.	Paint Finish	Dimming	Controls	NSF	NEMA4X	MISC.			
LED80 - 76W	H - 120-347V	4K - 4000K	Grey	DIM-0-10V DIMMING	BLANK	FS - NSF RATED	N4X - NEMA4X RATED	BLANK			
LED120 - 116W		5K - 5000K			DHFS - DIMMING HIGH FREQUENCY MOTION SENSOR			BBK8 - 8W BATTERY BACKUP* SP10 - 10KV SURGE PROTECTOR			

\*Fixture with BBK8 is suitable for operating temperatures from 10°-40°C

### FIELD INSTALLED ACCESSORIES

#### Ordering Guide For Accessories

Check the items that you wish to order:

- 089737 - LFW-LED/LFX-LED WALL MOUNT BRACKET KIT (BRACKET TILTS FIXTURE UP OR DOWN 45°)
- 087016 - RC-100 MOTION SENSOR REMOTE CONTROL