



Linear Vapourproof

FW4-LED

Linear LED vapour-proof fixture designed for versatile, durable performance in demanding industrial and commercial environments. Featuring adjustable lumen output, selectable colour temperature, a wide voltage range, and controls-ready capability, it provides flexibility across a broad range of applications. Its contractor-friendly design and rugged construction, with NEMA 4X, NSF, and IK10 ratings, make it ideal for food processing and storage facilities, livestock barns, agricultural environments, underground parking garages, and other harsh locations.



IDEAL APPLICATIONS

- ✔ Food Processing & Storage
- ✔ Agricultural
- ✔ Livestock Barns
- ✔ Underground Parking Garages

SPECIFICATIONS

		FW4-LED40A20		FW4-LED60A40	
PERFORMANCE					
Lumens		6000/4500/3000 lm		9000/7500/6000 lm	
Efficacy		156 lm/W			
CCT		Selectable (3000K/4000K/5000K)			
CRI		83			
Replaces Up To		2 Lamp T8		2 Lamp T5HO	
ELECTRICAL					
Wattage		40/30/20 W		60/50/40 W	
Voltage		120-347V			
Surge Protection		4kV (Built-in Driver) & 10 kV External per UL1449			
Power Factor		0.98			
THD		6.6%		9.3%	
LED Lifetime (L80)		100,000 Hours			
Dimming		0-10V (10-100% Continuous Dimming, Dim to Off)			
MAX AMPERAGE DRAW (A)					
Voltage	120 V	208 V	240 V	277 V	347 V
LED40A20	0.37	0.21	0.19	0.16	0.13
LED60A40	0.56	0.32	0.28	0.24	0.19
TM-21 ESTIMATED LUMEN MAINTENANCE					
50,000 Hours		91%			
75,000 Hours		86%			
100,000 Hours		82%			

Ambient Operating Temperature		
Fixture	-40°C to +40°C (-40°F to +104°F)	
With Motion Sensor	-40°C to +40°C (-40°F to +104°F)	
With Battery Backup	10°C to +40°C (50°F to +104°F)	
Construction		
Housing	Polycarbonate	
Lens	Frosted Polycarbonate	
Mounting	Surface (2x Stainless Steel Clips included); Suspension (2x V-Hooks included)	
Clips	Polycarbonate (10x); Stainless Steel Clips (optional)	
Finish	Grey	
Predrilled Conduit Entries	1x Fits 1/2" Trade Size (PG16 Cable Gland Included)	
Certifications		
cULus Certified per UL1598 & CSA C22.2 NO. 250.0:21, Wet locations, IP66, NSF (Splash and Non-Food Zones), NEMA4X, IK10, DLC Premium		
Default Settings		
CCT	4000K	
Watts	40W	60W
Weight		
7.7lb (3.5kg)		

NOTE: Electrical and Light Performance data is based on LM79 test report at 4000K and 120V. Not recommended for car wash facilities. Please refer to LFW-LED for car wash applications.



ORDERING GUIDE

FW4		H	VK	DIM			
Fixture	Wattage	Voltage	Colour Temp.	Dimming	Controls	Battery Back up	Surge Protection
FW4	LED40A20 LED60A40	H - 120-347V	VK - CCT Selectable 3000K/4000K/5000K	DIM - 0-10V Dimming	BLANK ¹ - Control Ready DHFS - Dimming High Frequency Motion Sensor AWN ² - Lutron Smart Control ²	BLANK ¹ - No Battery Back up BBK8 - 8W Battery Back up	SP10 ¹ - 10kV Surge Protection SP20 - 20kV Surge Protection

¹Standard Configuration

²Factory-installed Lutron Athena Wireless Node with RF only (A-WN-D01-RF-WH).
Gateway and controller not included

STOCK CODE

087740	FW4-LED40A20-H-VK-DIM-SP10	087742	FW4-LED40A20-H-VK-DIM-DHFS-SP10
087760	FW4-LED60A40-H-VK-DIM-SP10	087762	FW4-LED60A40-H-VK-DIM-DHFS-SP10

CONTROL READY ACCESSORY SOLD SEPARATELY

086222	MW13P-RCS-D1 Low bay Microwave Motion Sensor Press fit and PH2.0-4P Receptacle for Plug and Play Quick Installation	
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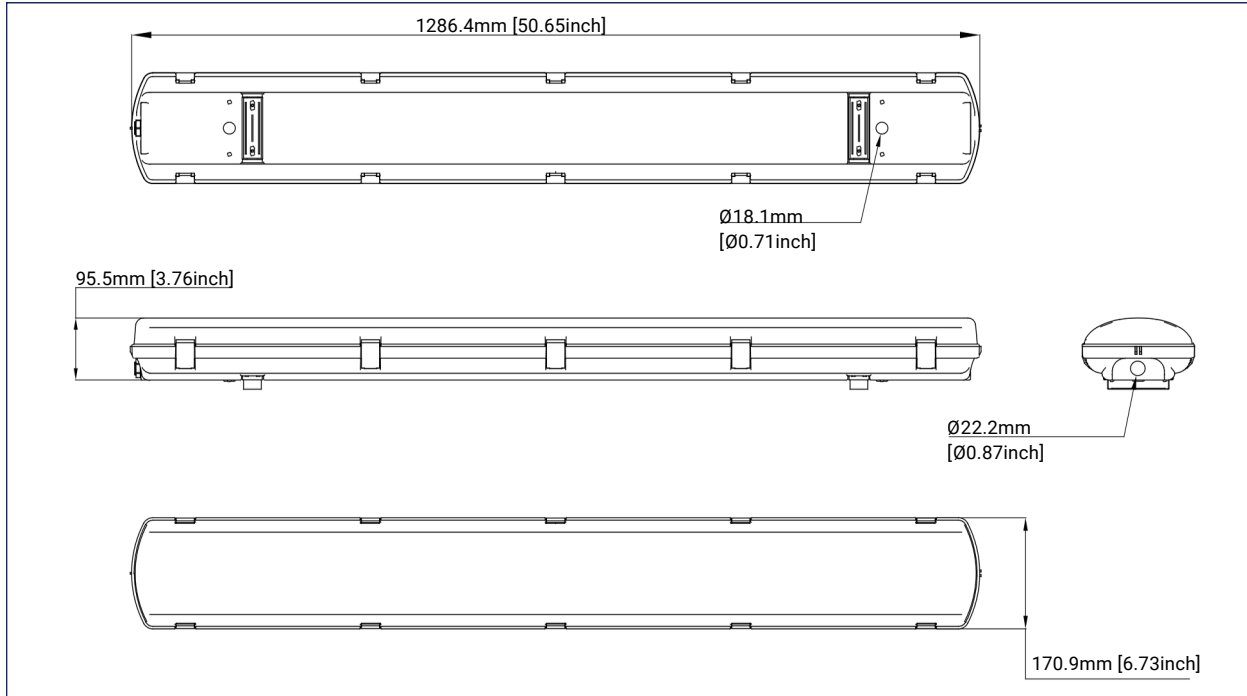
ACCESSORY SOLD SEPARATELY

087016	RC-100 MOTION SENSOR REMOTE CONTROL (Compatible with DHFS Sensor)		081960	AIRCRAFT CABLE (10ft)	
192786	REPL FW4 LENS CLIPS SST (10 clips included)				

MOUNTING SYSTEM INCLUDED IN THE BOX



DIMENSIONS

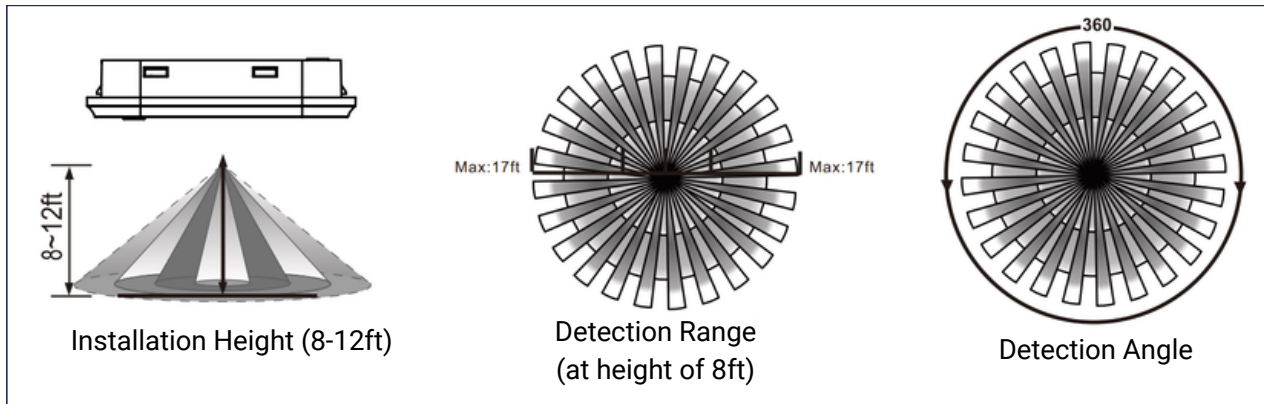


MW13P-RCS-D1 MOTION SENSOR SPECIFICATIONS

DEFAULT SETTINGS		POWER SUPPLY	10V-14VDC*
BRIGHTNESS	100%	HIGH FREQUENCY SYSTEM	5.8GHz +/-75MHz (High Frequency Microwave Output)
SENSITIVITY	100%	DIM CONTROL OUTPUT	0-10V, Max. 25 mA
HOLD TIME	5 minutes	DETECTION RADIUS/ANGLE	Max 5.2m (17ft) at 360°
DAYLIGHT SENSOR	Disabled	MOUNTING HEIGHT	Max 4m (13ft)
DIMMING LEVEL	DIM: 30%	REMOTE CONTROL RANGE	Max 15m (50ft)
DIMMING TIME	60 minutes	HUMIDITY	Max 95% Relative Humidity

*12VDC AUX Available from the LED driver - Can be used for motion sensor and other lighting controls.

MOTION SENSOR COVERAGE



RC-100 REMOTE SPECIFICATIONS



BRIGHTNESS: Sets the highest light fixture brightness when motion is detected.

SENSITIVITY: Sets the sensitivity to which the sensor will detect motion.

HOLD TIME: The time the light fixture will remain at the brightness setting after it detects motion.

DAYLIGHT SENSOR: The lux setting that the light fixture will turn on/off. If the ambient lux is more than the defined lux setting, the fixture & sensor function will turn off and remain off until the ambient lux is below the setting. To disable the lux sensor, select the SUN icon. To set the lux to match current room conditions, select the EYE icon.

STAND-BY DIM: The Dim level that the light fixture will dim down after the Hold Time has expired. To disable dimming and only have ON/OFF, select the 0% icon.

STAND-BY TIME: The time the light fixture will remain in the dim down state before it shuts off. To disable the light from shutting off, select the INFINITY icon.

BATTERY BACK UP TECHNICAL SPECIFICATIONS

Rated Input Voltage	100-347 VAC, 50/60 Hz
Input Current	20-100 mA
Input Power	8 W
Power Factor	0.6 @ 100VAC and 0.5 @ 347VAC
Output Power (emergency mode)	9W±10%, Constant Power
Output Wire L-out-N-out (LED load input)	AC 6A Max
Recharge Current	0-200 mA
Recharge Time	24 Hours
Discharge Time	90 Minutes
Maximum Case Temperature	70°C

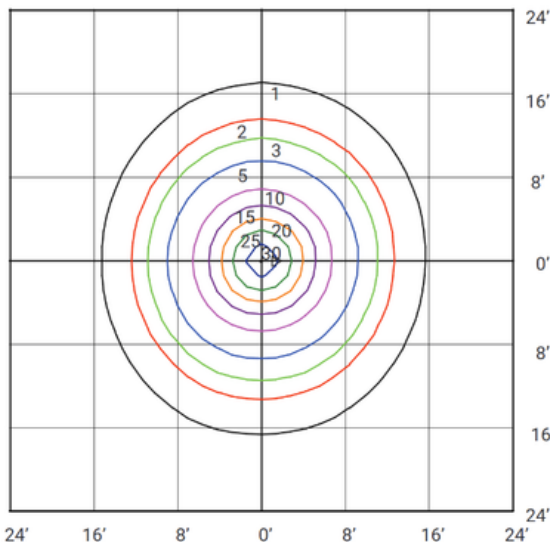
NOTE: Lumen output with emergency battery backup can be calculated by multiplying battery power output with efficacy of fixture.

PHOTOMETRIC PLOTS

FW4-LED40A20-H-VK-DIM-SP10
(40W 5000K 120V)
MOUNTED AT 8 FEET

LUMENS 6119

MAX CALCULATED VALUE 32.55



FW4-LED60A40-H-VK-DIM-SP10
(60W 5000K 120V)
MOUNTED AT 10 FEET

LUMENS 9072

MAX CALCULATED VALUE 29.96

