



FW4-LED41

LED Vaporproof



IDEAL APPLICATIONS

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

DESCRIPTION:

4' linear vapourproof fixture with NEMA 4X, NSF, IK10 ratings ideal for harsh environments including food processing and storage facilities, livestock barns, agricultural environments, underground parking garages, and more.

FEATURES:

- 2 versions: Selectable units (120-277V, CCT Select 3000K,4000K,5000K) and dedicated units (120-277V, 4000K).
- Ruggedly designed with NEMA 4X, NSF, IK10 ratings. Refer to page 7 for a quick reference on these ratings.
- Polycarbonate housing with frosted lens.
- 5 polycarbonate clips on either side.
- Surface or pendant mount option.
- IP66 rated with complete gasketing to protect against dust and dirt and comes with wet location connector.
- Toolless entry for easy wiring and access to CCT select switch.
- Optional factory-installed smart lighting control available: Lutron Athena Wireless smart control allows zone and control changes digitally and wirelessly.

2 DIFFERENT VERSIONS:



Selectable Fixture

120-277V RANGE
3K, 4K, 5K COLOR SELECTABLE



Dedicated Fixture

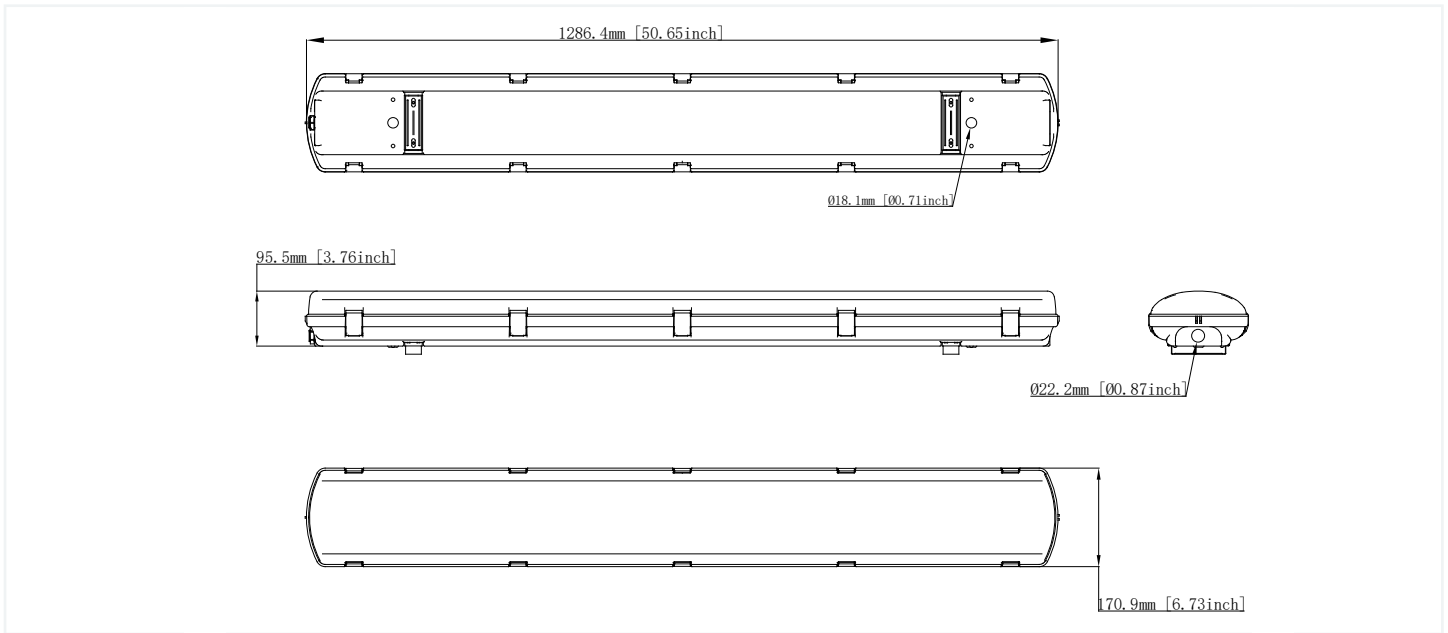
120-277V
4K ONLY

SPECIFICATIONS*	FW4-LED41
Watts	41.2W
Lumens	5507 Lm
Efficacy	133.6 Lm/W
Replaces Up To	2 Lamp T8
Dimming	0-10V (Continuous dimming to 10% or below)
Color Temp	Selectable Fixture: VK (3000K/4000K/5000K) Dedicated Fixture: 4000K
PF	0.95
THD	6.7%
CRI	82
Operating Temp	-40°C to +40°C With Battery Back Up: 10°C to +40°C
Voltage	120-277V
LED Life (L73)	100,000 Hours
Housing Material	Polycarbonate Grey
Lens	Frosted Polycarbonate
Mounting	Surface or Pendant mounting
Certifications	cULus certified as per UL1598 & CSA C22.2 NO. 250.0:21, Wet locations, IP66, NSF, NEMA4X, IK10, DLC Standard

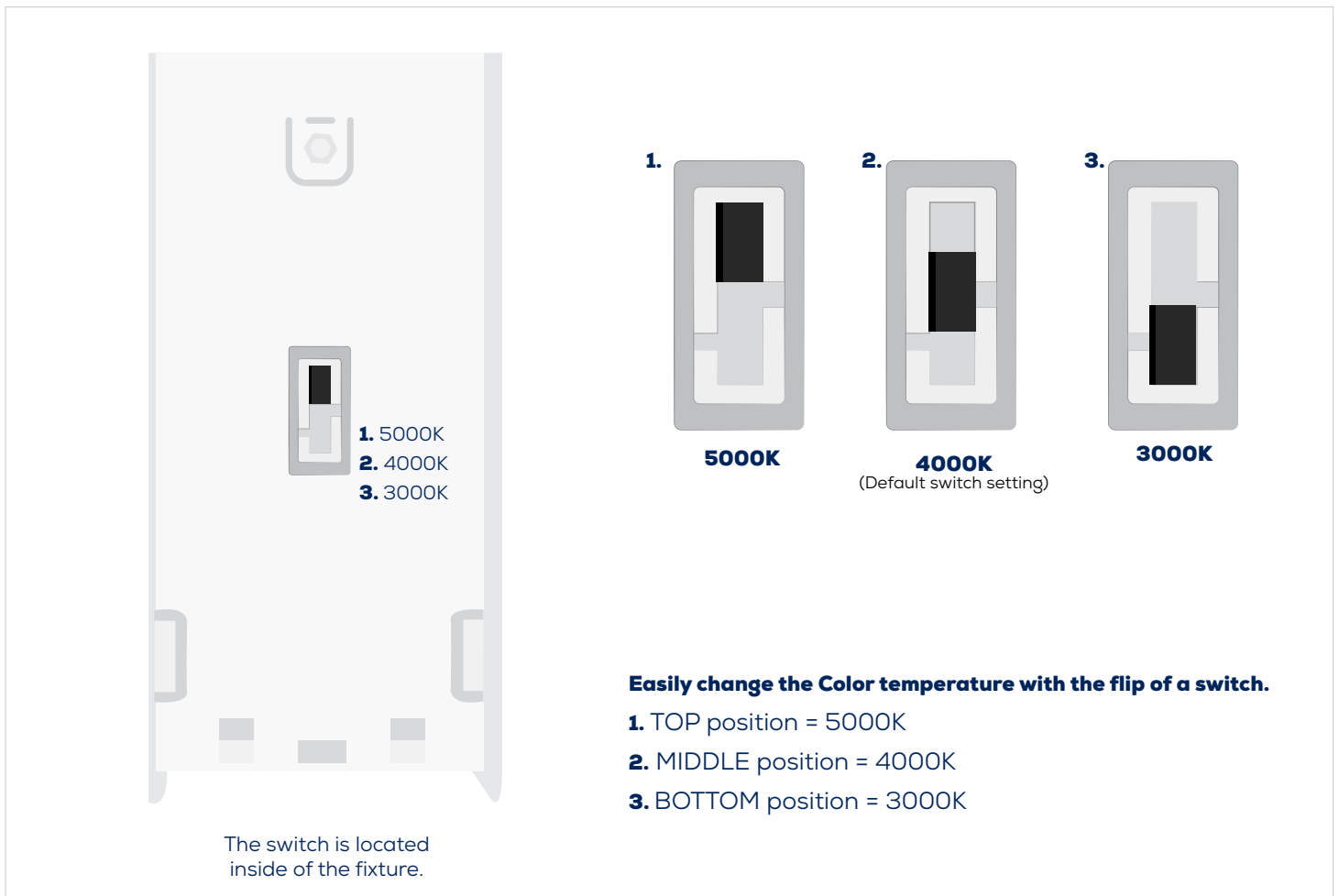
* Specs shown are for 120V/ 4000K CCT setting



DIMENSIONS:



COLOR SELECTABLE SWITCH



AMPERAGE DRAW & SURGE PROTECTION

	CURRENT (A)				INTERNAL SURGE PROTECTION (kV)
	120V	208V	240V	277V	120-277V
FW4-LED41	0.376	0.217	0.188	0.163	2kV

TM-21 ESTIMATED LUMEN MAINTENANCE

	50,000 Hours	75,000 Hours	100,000 Hours
FW4-LED41	85.8%	79.0%	72.7%

WEIGHTS (lbs)

FW4-LED41	7.7
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SPECIFICATIONS

Model Number	Voltage (V)	Power (W)	Light Output (lm)	Efficacy (lm/W)	THD (%)	PF	CCT (K)	CRI
FW4-LED41-B-VK-DIM(3000K)	120-277	43	5088	118.47	8.1	0.95	3000	83

LEGEND

B - 120-277V
 VK - Color Selectable
 DIM - 0-10V Dimming

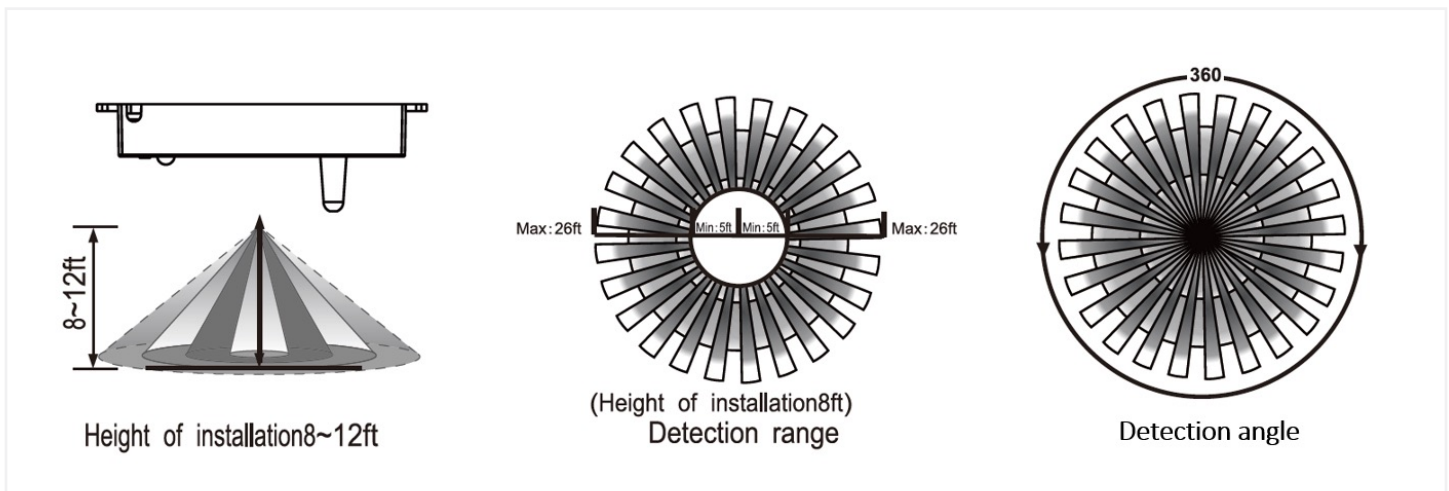
MOTION SENSOR SPECIFICATIONS	
POWER SUPPLY	12V-24VDC*
HIGH FREQUENCY SYSTEM	5.8GHZ +/-75MHZ (HIGH FREQUENCY MICROWAVE OUTPUT)
DIM CONTROL OUTPUT	0-10V, MAX. 25MA SINKING CURRENT
DETECTION RADIUS/ANGLE	MAX 8M (26FT) AT 360°
MOUNTING HEIGHT	MAX 3.6M (12FT)
REMOTE CONTROL RANGE	MAX 15M (50FT)
HUMIDITY	MAX 95% RELATIVE HUMIDITY
OPERATING TEMP.	-40°C TO 70°C (MOTION SENSOR) 0°C TO 50°C (REMOTE CONTROL)
INSTALLATION	FACTORY INSTALLED
PROGRAMMING	USING DIP SWITCHES ON SENSOR OR USING RC-100 REMOTE (SOLD SEPARATELY)

*12VDC AUX AVAILABLE FROM THE LED DRIVER- CAN BE USED FOR MOTION SENSOR AND OTHER LIGHTING CONTROLS.

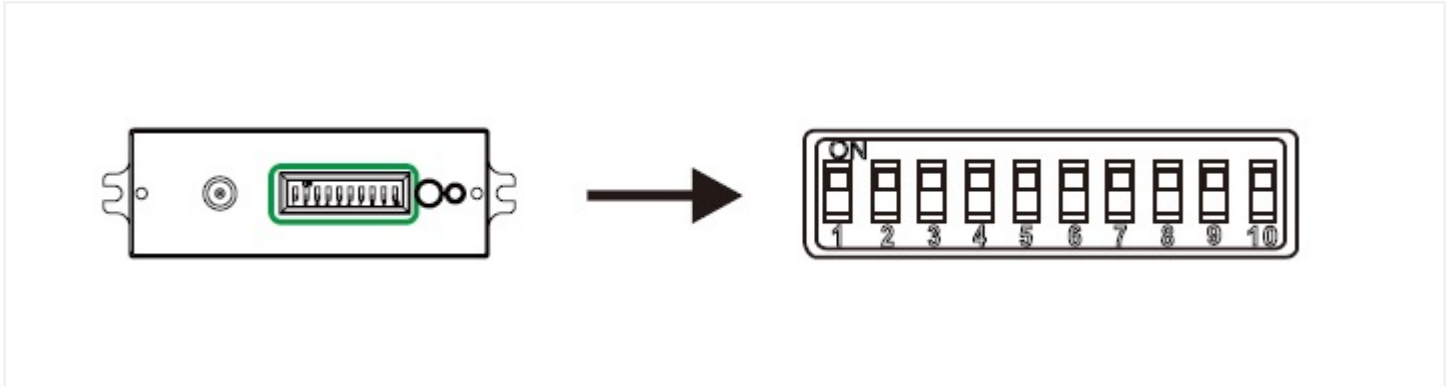
DEFAULT MOTION SENSOR SETTINGS					
BRIGHTNESS	SENSITIVITY	HOLD TIME	DAYLIGHT SENSOR	STAND-BY DIM	STAND-BY TIME
100%	100%	10 seconds	Disabled	DIM: 30%	60 minutes

ONCE POWERING THE LIGHT FIXTURE, THE MOTION SENSOR WILL USE THE FOLLOWING DEFAULT PARAMETERS TO OPERATE.

MOTION SENSOR COVERAGE



ADJUSTING MOTION SENSOR SETTINGS USING DIP SWITCHES



ADJUSTING MOTION SENSOR SETTINGS USING RC-100 REMOTE

TECHNICAL SPECIFICATIONS	
	<p>BRIGHTNESS: Sets the highest light fixture brightness when motion is detected.</p>
	<p>SENSITIVITY: Sets the sensitivity to which the sensor will detect motion. It describes the radii of the circular detection zone.</p>
	<p>HOLD TIME: The time the light fixture will remain at the brightness setting after it detects motion.</p>
	<p>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.</p>
	<p>STAND-BY DIM: The Dim level that the light fixture will dim down after the Hold Time has expired.</p>
	<p>To disable dimming and only have ON/OFF, select the 0% icon.</p>
	<p>STAND-BY TIME: The time the light fixture will remain in the dim down state before it shuts off.</p>
	<p>To disable the light from shutting off, select the INFINITY icon.</p>
	<p>ON/OFF DISP ▲ SEND</p>
	<p>AUTO ◀ OK ▶</p>
<p>RESET TEST 2s ▼ ∞</p>	
<p>MODE1 MODE2 MODE3 MODE4</p>	

NOTE: DETAILED PROGRAMMING INSTRUCTIONS AVAILABLE FOR DIP SWITCHES AND RC-100 REMOTE IN MOTION SENSOR & REMOTE CONTROL MANUAL.

BATTERY BACK UP DETAILS

TECHNICAL SPECIFICATIONS	
RATED INPUT VOLTAGE	100-277 VAC, 50/60HZ
INPUT CURRENT	20-100mA
INPUT POWER	8W
POWER FACTOR	0.6 @ 100VAC, 0.5 @347 VAC
OUTPUT POWER (EMERGENCY MODE)	9W±10%, CONSTANT POWER
OUTPUT WIRE L-out-N-out (LED LOAD INPUT)	AC 6A MAX
RECHARGE CURRENT	0-200mA
RECHARGE TIME	24 HOURS
DISCHARGE TIME	90 MINUTES
MAXIMUM CASE TEMPERATURE T_c	70°C
AMBIENT OPERATING TEMPERATURE T_a	10-60°C

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

ORDERING GUIDE:

FW4	LED41	B	DIM					
Fixture	Wattage	Voltage	Color Temp.	Dimming	Controls	Hardware Options	Battery Back Up	Misc.
	LED41	B-120-277V	VK - Color Selectable (3000K/4000K/5000K)	DIM - 0-10V Dimming	BLANK* DHFS - Dimming High Frequency Motion Sensor AWNDR - Lutron Smart Control**	BLANK* SSC - Stainless Steel Clips	BLANK* BBK8 - 8W Battery Back Up	BLANK* SP10 - 10kV Surge Protector
			Dedicated Fixture: 4K - 4000K					

* Standard Configuration

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

ORDERING GUIDE FOR ACCESSORIES

Options Sold Separately

Check the items that you wish to order:

052267 - RC-100 MOTION SENSOR REMOTE CONTROL

2 DIFFERENT VERSIONS:



Selectable Fixture
120-277V RANGE
3K, 4K, 5K Color SELECTABLE
ORDER CODE: FW4-LED41-B-VK-DIM
STOCK CODE: 051737

1



Dedicated Fixture
120-277V
4K ONLY
ORDER CODE: FW4-LED41-B-4K-DIM
STOCK CODE: 051735

2

RATINGS TABLE:

	NEMA 4X fixtures are for Indoor or outdoor use, including offshore applications. Offers protection against windblown dust and rain. Offers protection from splashing water and hose-directed water. Corrosion-resistant.
	NSF-approved lighting products must deliver light output (footcandle) levels that are adequate for food preparation and food storage areas. These products must be shatterproof to ensure that no broken glass splinters over food or other equipment. Fixtures must be easily accessible, resistant to the intrusion of dust, water and other hazards, and designed for easy cleaning to minimize the breeding of bacteria or mold.
	IK10 - IK Ratings are a measure of impact resistance. IK10 implies fixture is protected against the impact of 5kg dropped from 400mm (20 joules).