



FW4-LED41

LED Vapourproof



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 (120-347V, CCT Select 3000K, 4000K, 5000K) and dedicated units (120-277V, 4000K).
- Ruggedly designed with NEMA 4X, NSF, IK10 ratings. Refer to page 6 for a quick reference on these ratings.
- Polycarbonate housing with frosted lens.
- 5 polycarbonate clips on either side.
- Surface or pendant mount option.
- IP65 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.

2 DIFFERENT VERSIONS:



Selectable Fixture

120-347V RANGE
3K, 4K, 5K COLOUR SELECTABLE



Dedicated Fixture

120-277V
4K ONLY

SPECIFICATIONS*

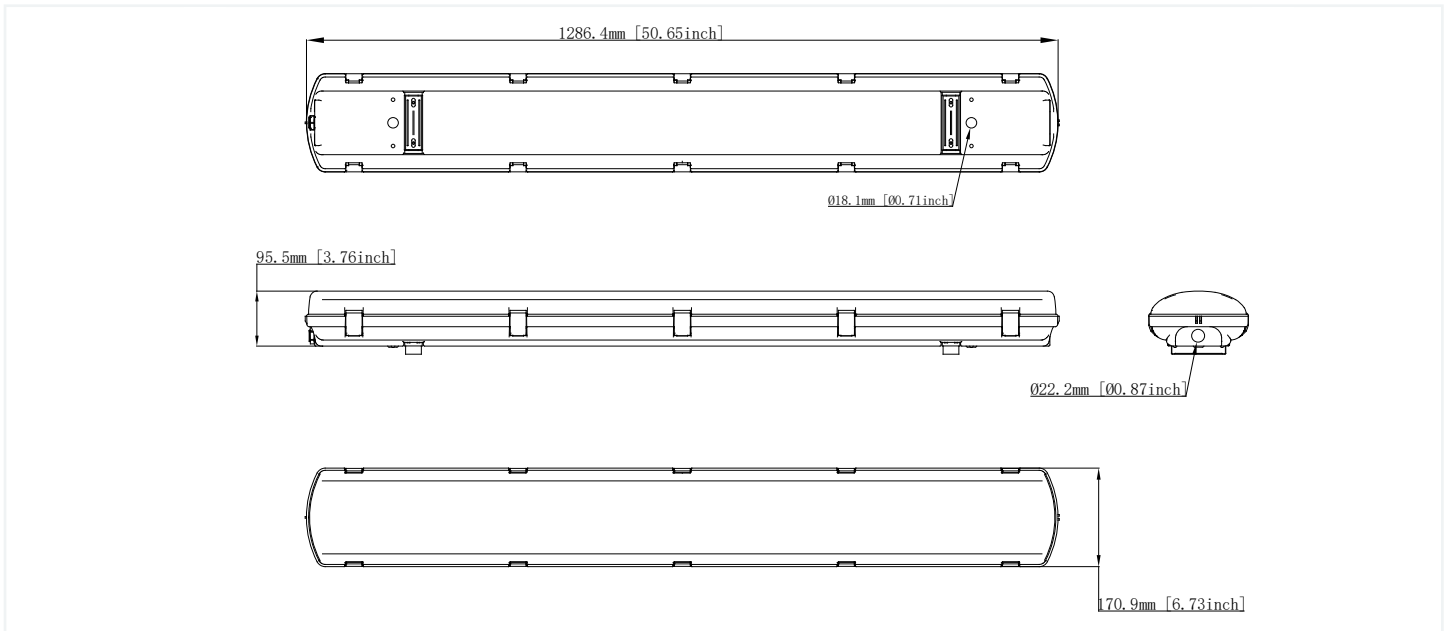
FW4-LED41

Watts	41.1W
Lumens	5028 Lm
Efficacy	122.16 Lm/W
Replaces Up To	2 Lamp T8
Dimming	0-10V (Continuous dimming to 10% or below)
Colour Temp	Selectable Fixture: VK (3000K/4000K/5000K) Dedicated Fixture: 4000K
PF	0.95
THD	6.4%
CRI	83
Operating Temp	-40°C to +40°C With Battery Back Up: 10°C to +40°C
Voltage	Selectable Fixture: 120-347V Dedicated Fixture: 120-277V
LED Life (L80)	71,000 Hours
Housing Material	Polycarbonate Grey
Lens	Frosted Polycarbonate
Mounting	Surface or Pendant mounting
Certifications	UL, Wet locations, IP65, NSF, NEMA4X, IK10, DLC 5.1

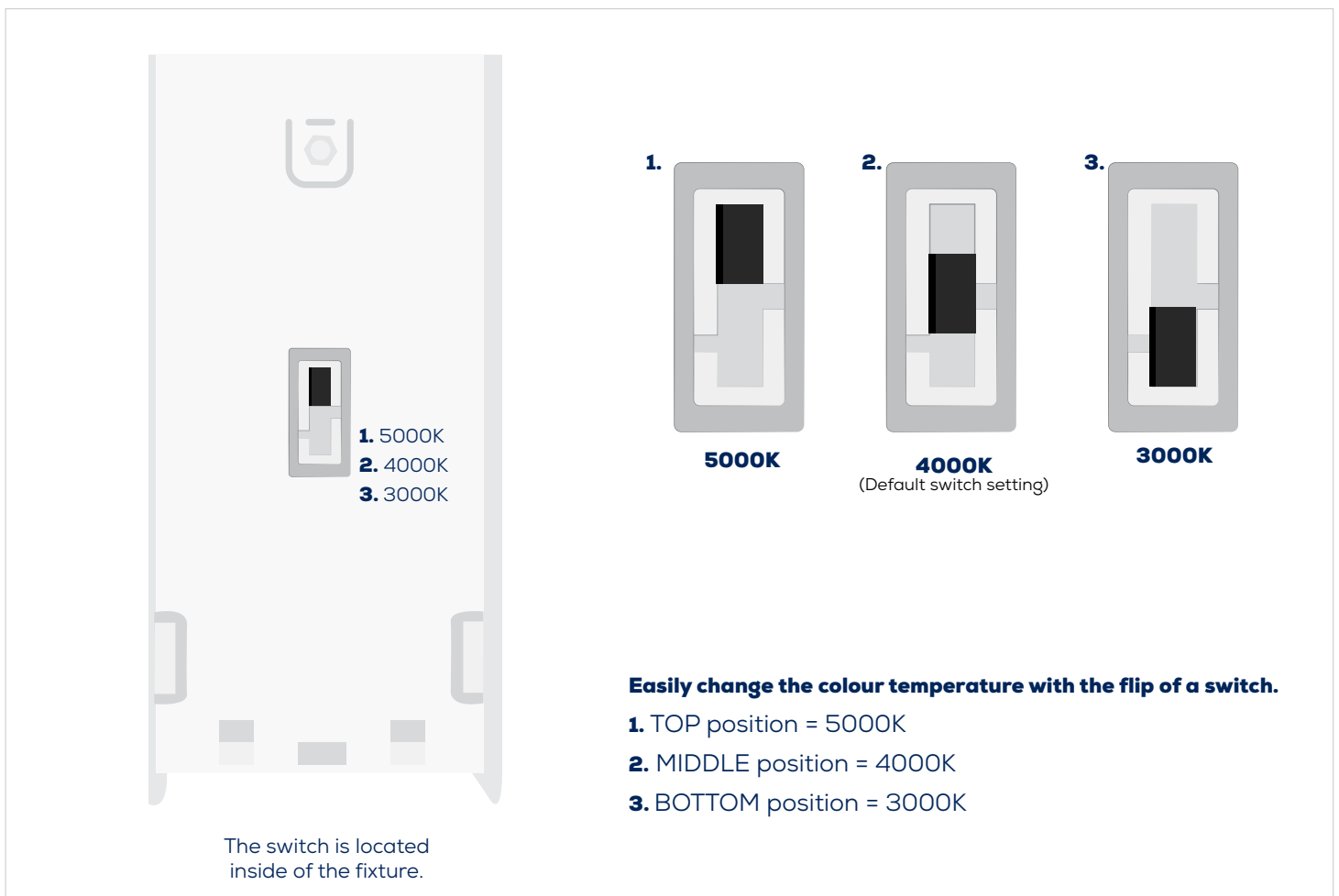
* Specs shown are for 120V/ 5000K CCT setting



DIMENSIONS:



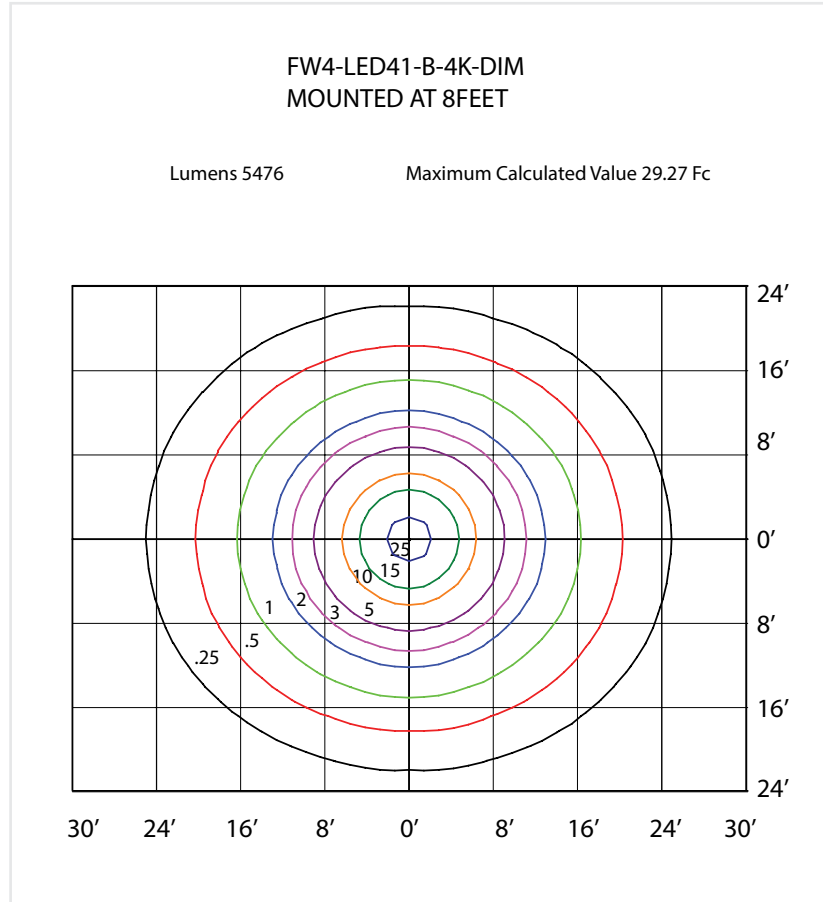
COLOUR SELECTABLE SWITCH



AMPERAGE DRAW & SURGE PROTECTION								
CURRENT (A)						INTERNAL SURGE PROTECTION (kV)		
	120V	208V	240V	277V	347V	120-277V	120-347V	
FW4-LED41	0.376	0.217	0.188	0.163	0.130	2kV	4kV	
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							
SPECIFICATIONS								
Model Number	Voltage (V)	Power (W)	Light Output (lm)	Efficacy (lm/W)	THD (%)	PF	CCT (K)	CRI
FW4-LED41-H-VK-DIM(3000K)	120-347	43.08	5138	119.27	3.85	0.99	3107	82.9
FW4-LED41-H-VK-DIM(4000K)	120-347	40.77	5468	134.12	3.92	0.99	3932	85.7
FW4-LED41-B-4K-DIM	120-277	41.2	5507	133.6	6.7	0.946	4000	82

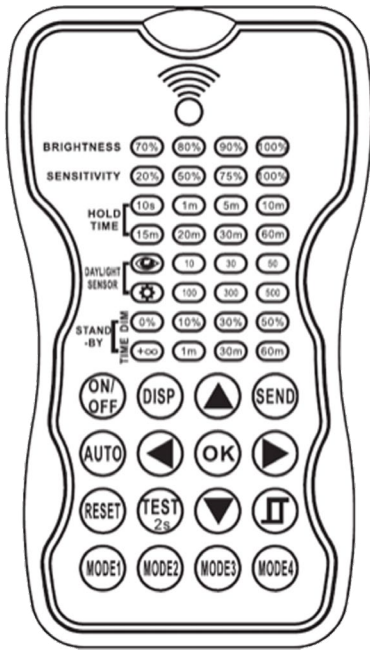
LEGEND

B - 120-277V, H - 120-347V
VK - Colour Selectable, 3K - 3000K
DIM - 0-10V Dimming



DHFS MOTION SENSOR

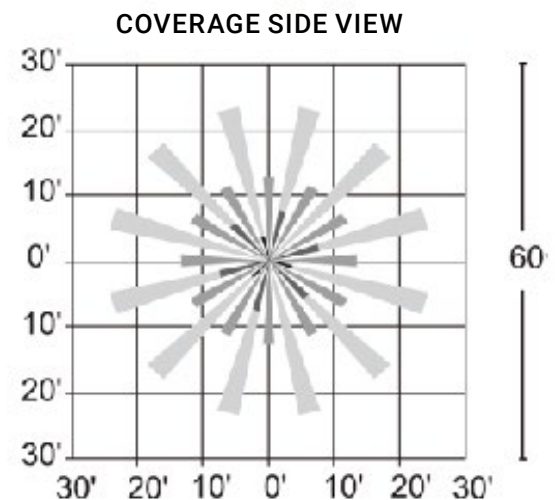
Dimming High Frequency Motion Sensor is factory installed and comes with the following default settings.



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	
POWER SUPPLY	100-277 VAC, SINGLE PHASE, 60HZ 100-347 VAC, SINGLE PHASE, 60HZ
HIGH FREQUENCY SYSTEM	5.8GHZ +/-75MHZ
DIM CONTROL OUTPUT	0-10V DC DIMMING, 25MA
DETECTION RADIUS/ANGLE	MAX 8M (26FT) AT 360°
MOUNTING HEIGHT	MAX 6M (20FT)
HUMIDITY	MAX 95% RELATIVE HUMIDITY
OPERATING TEMP.	-40°C TO +40°C
CYCLES	200,000 ON/OFF CYCLES
CERTIFICATIONS	UL, FCC
PROGRAMMING	WIRELESS PROGRAMMING USING RC-100 REMOTE

DHFS DETECTION RANGE & RADIUS/ANGLE



BATTERY BACK UP DETAILS:

TECHNICAL SPECIFICATIONS	
Rated Input Voltage	100-347VAC
Input Current	20-100mA
Input Power	8W
Power Factor	0.6 @ 100VAC, 0.5 @347 VAC
Output Wire L-out N-out (LED load input)	AC 6A Max
Output Power(Emergency Mode)	8W
Recharge Current	0-200mA
Recharge Time	24 Hours
Discharge Time	90 Minutes
Maximum Case Temperature Tc	70°C
Ambient Operating Temperature Ta	10-60°C
Service Life	50,000 Hours
RFI/EMI	FCC

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

ORDERING GUIDE:

FW4	LED41	DIM						
Fixture	Wattage	Voltage	Colour Temp.	Dimming	Controls	Hardware Options	Battery Back Up	Misc.
	LED41	H - 120-347V	VK - Colour Selectable (3000K/4000K/5000K)	DIM - 0-10V Dimming	BLANK* DHFS - Dimming High Frequency Motion Sensor	BLANK* SSC - Stainless Steel Clips	BLANK* BBK8 - 8W Battery Back Up	BLANK* SP10 - 10kV Surge Protector
		B - 120-277V	4K - 4000K					

* Standard Configuration

ORDERING GUIDE FOR ACCESSORIES

Options Sold Separately
Check the items that you wish to order:

☐ 087016 - RC-100 MOTION SENSOR REMOTE CONTROL

2 DIFFERENT VERSIONS:



Selectable Fixture

120-347V RANGE
3K, 4K, 5K COLOUR SELECTABLE

ORDER CODE: FW4-LED41-H-VK-DIM
STOCK CODE: 099586

1



Dedicated Fixture

120-277V
4K ONLY

ORDER CODE: FW4-LED41-B-4K-DIM
STOCK CODE: 099592

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).