



FW4-LED

Linear Vapourproof

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.

IDEAL APPLICATIONS

- ✔

Food Processing & Storage
- ✔

Agricultural
- ✔

Livestock Barns
- ✔

Underground Parking Garages

SPECIFICATIONS

|                                   | FW4-LED41 |   |       | FW4-LED61 |       |
|-----------------------------------|-----------|---|-------|-----------|-------|
| PERFORMANCE                       |           |   |       |           |       |
| Watts                             |           | 40.5 W  |       | 60 W      |       |
| Lumens                            |           | 5700 lm                                       |       | 8470 lm   |       |
| Efficacy                          |           | 141 lm/W                                      |       |           |       |
| CCT                               |           | Selectable (3000K/4000K/5000K)                |       |           |       |
| PF                                |           | 0.98  |       | 0.99      |       |
| THD                               |           | 3.6%  |       | 4.6%      |       |
| CRI                               |           | 85  |       |           |       |
| Replaces Up To                    |           | 2 Lamp T5HO                                   |       |           |       |
| LED Lifetime (L77)                |           | 100,000 Hours                                 |       |           |       |
| ELECTRICAL                        |           |   |       |           |       |
| Voltage                           |           | 120-347V                                      |       |           |       |
| Surge Protection                  |           | 4kV (Built-in Driver) as per IEC/EN 61000-4-5 |       |           |       |
| Dimming                           |           | 0-10V (Continuous dimming to 10% or below)    |       |           |       |
| MAX AMPERAGE DRAW (A)             |           |   |       |           |       |
| Voltage                           | 120 V     | 208 V   | 240 V | 277 V     | 347 V |
| LED41                             | 0.376     | 0.217   | 0.188 | 0.163     | 0.130 |
| LED61                             | 0.556     | 0.321   | 0.278 | 0.241     | 0.192 |
| TM-21 ESTIMATED LUMEN MAINTENANCE |           |   |       |           |       |
| 50,000 Hours                      |           | 88%   |       | 88%       |       |
| 75,000 Hours                      |           | 82%   |       | 82%       |       |
| 100,000 Hours                     |           | 77%   |       | 77%       |       |

NOTE: Electrical and Light Performance data is based on LM79 test report at 4000K and 120V.

| AMBIENT OPERATING TEMPERATURE                              |   |
|--|---|
| Fixture  | -40°C to +40°C (-40°F to +104°F)  |
| With Battery Backup  | 10°C to +40°C (50°F to +104°F)  |
| With Motion Sensor   | -40°C to +40°C (-40°F to +104°F)  |
| CONSTRUCTION   |   |
| Housing  | Polycarbonate   |
| Lens   | Frosted Polycarbonate   |
| Mounting   | Surface (2x Stainless Steel Clips included);<br>Suspension (optional)                         |
| Clips  | Polycarbonate (10x);<br>Stainless Steel Clips (optional)                                      |
| Finish   | Grey  |
| Predrilled Conduit Entries                                 | Two (one at each end);<br>Fits PG 16 cable gland;<br>suitable for upto 5X18AWG Service Cables |
| CERTIFICATIONS   |   |
| cULus, Wet locations, IP66, NSF, NEMA4X, IK10, DLC Premium |   |
| DEFAULT SETTINGS   |   |
| CCT  | 4000K   |
| WEIGHT   |   |
| 7.7lb (3.5kg)  |   |

NOTE: 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                  |
|         | LED41   | H - 120-347V | VK - CCT Selectable<br>3000K/4000K/<br>5000K | DIM - 0-10V<br>Dimming | BLANK*   | BLANK*-<br>No Battery<br>Back up |
|         | LED61   |              |  |                        | DHFS -<br>Dimming High<br>Frequency<br>Motion Sensor | BBK8 - 8W<br>Battery Back<br>Up  |
|         |         |              |  |                        | AWN - Lutron<br>Smart<br>Control**                   |                                  |

\*Standard Configuration

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

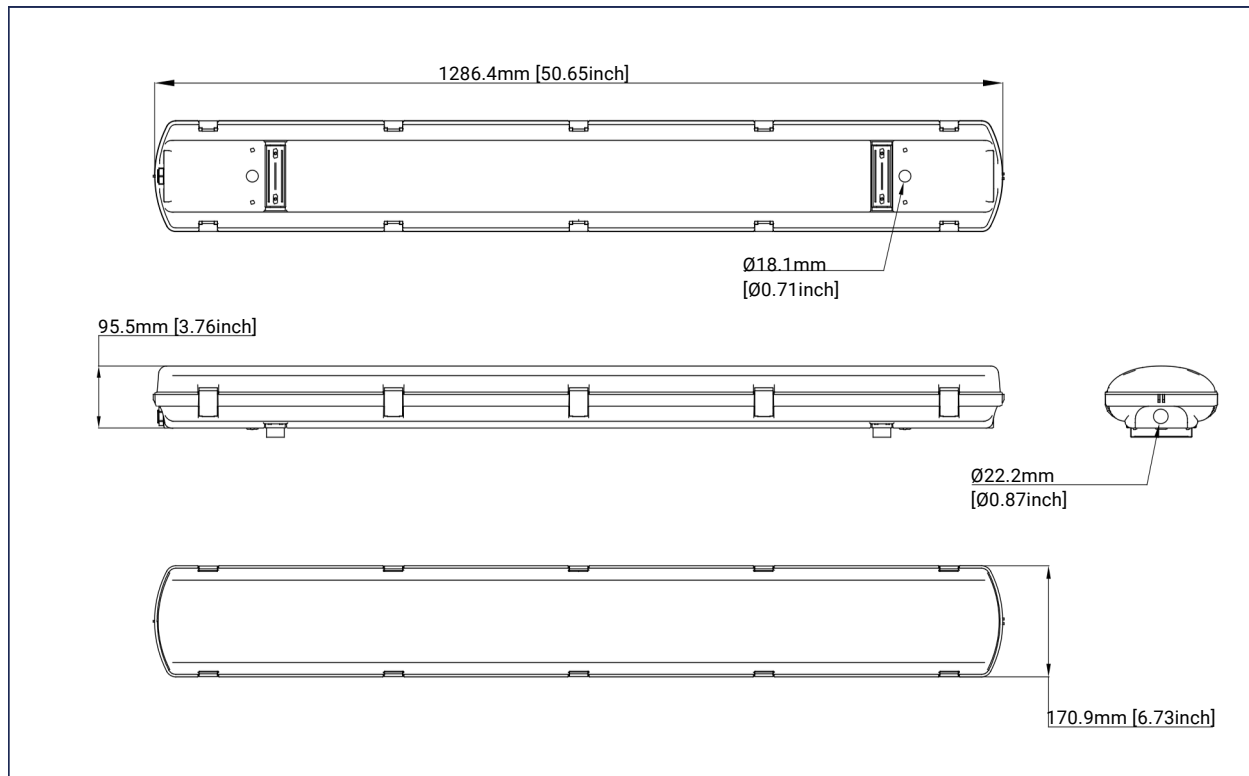
## STOCK CODE

|        |                    |
|--------|--------------------|
| 099586 | FW4-LED41-H-VK-DIM |
| 099587 | FW4-LED61-H-VK-DIM |

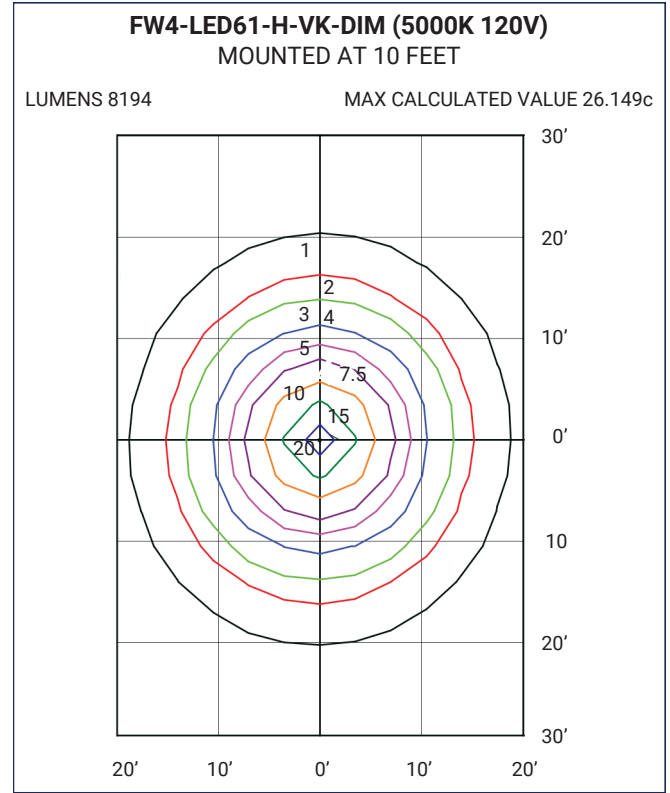
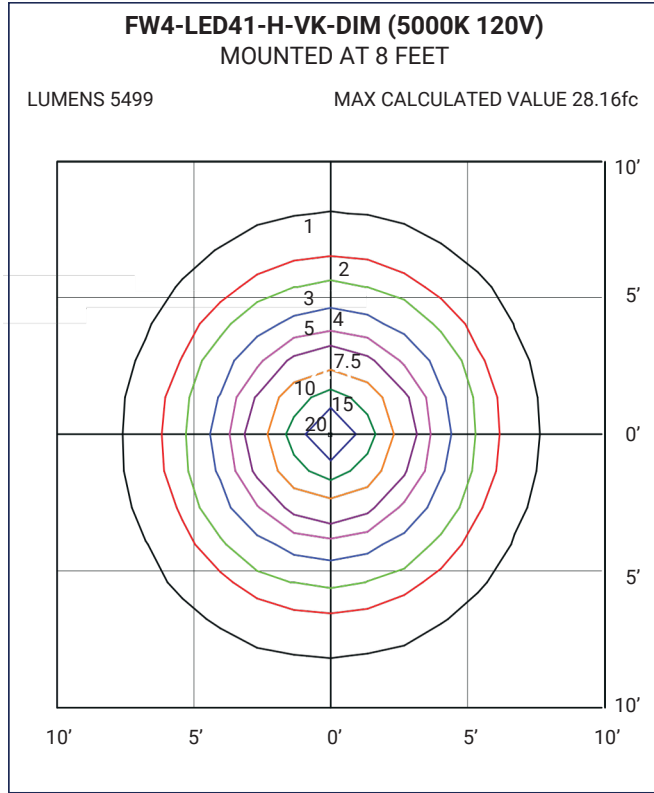
## ACCESSORIES SOLD SEPARATELY

|        |                                     |
|--------|-------------------------------------|
| 087016 | RC-100 MOTION SENSOR REMOTE CONTROL |
| 081960 | AIRCRAFT CABLE (10ft)               |

## DIMENSIONS



## PHOTOMETRIC PLOTS



### 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<br>(emergency mode)            | 9W±10%, Constant Power        |
| Output Wire L-out-N-out<br>(LED load input) | AC 6A Max                     |
| Recharge Current                            | 0-200 mA                      |
| Recharge Time                               | 24 Hours                      |
| Discharge Time                              | 90 Minutes                    |
| Maximum Case Temperature                    | 70°C                          |
| Ambient Operating Temperature               | 10°C to 60°C                  |

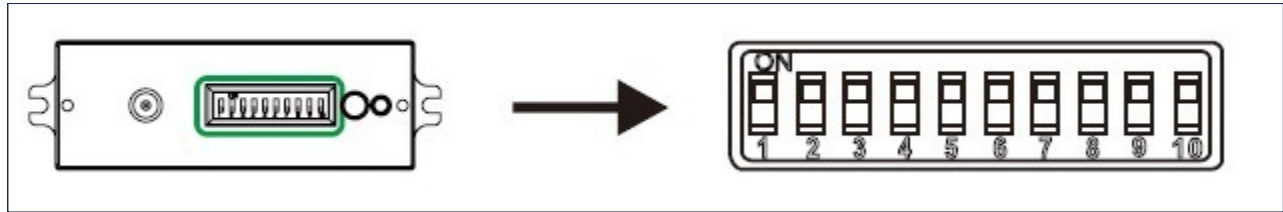
NOTE: Lumen output with emergency battery backup can be calculated by multiplying battery power output with efficacy of fixture.

## MOTION SENSOR SPECIFICATIONS

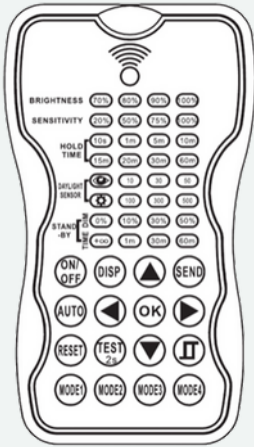
| DEFAULT SETTINGS |            | POWER SUPPLY           | 12V-24VDC*  |
|------------------|------------|------------------------|---|
| BRIGHTNESS       | 100%       | HIGH FREQUENCY SYSTEM  | 5.8GHz +/-75MHz (High Frequency Microwave Output)                                       |
| SENSITIVITY      | 100%       | DIM CONTROL OUTPUT     | 0-10V, Max. 25 mA Sinking Current   |
| HOLD TIME        | 10 seconds | DETECTION RADIUS/ANGLE | Max 8m (26ft) at 360°   |
|                  |            | MOUNTING HEIGHT        | Max 3.6m (12ft)   |
| DAYLIGHT SENSOR  | Disabled   | REMOTE CONTROL RANGE   | Max 15m (50ft)  |
| STAND-BY DIM     | DIM: 30%   | HUMIDITY               | Max 95% Relative Humidity   |
| STANDBYTIME      | 60 minutes | PROGRAMMING            | Factory installed 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.

## ADJUSTING MOTION SENSOR SETTINGS USING DIP SWITCHES



## 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.

## MOTION SENSOR COVERAGE

