

SLAclite VFF60-50KFP

SLAclite 8FT LED Linear Light Instruction Manual

Model: VFF60-50KFP

1. PRODUCT OVERVIEW

The SLAclite 8FT LED Linear Light is an architectural lighting fixture designed for various commercial and industrial applications. It features both direct (downlight) and indirect (uplight) illumination, offering adjustable wattage and color temperature settings. This fixture is linkable for continuous runs and compatible with 0-10V dimming systems.

Key Features:

- **Direct and Indirect Lighting:** Provides focused downlight and ambient uplight to reduce eye fatigue.
- **Adjustable Wattage:** Selectable output of 100W, 90W, 80W, 70W, or 60W for customized brightness.
- **Adjustable Color Temperature (CCT):** Choose between 3000K (Warm White), 4000K (Neutral White), and 5000K (Cool White).
- **0-10V Dimmable:** Compatible with 0-10V dimmers for smooth brightness control from 0% to 100%.
- **Linkable Design:** Seamlessly connect multiple fixtures for continuous lighting runs.
- **Durable Construction:** Features a die-cast aluminum housing for lightweight design and efficient heat dissipation.
- **ETL Certified:** Meets high safety and quality standards.

2. SAFETY INFORMATION

Please read all instructions carefully before installation and use. Retain this manual for future reference.

- **Electrical Safety:** Ensure power is disconnected at the circuit breaker before installation or maintenance. All wiring should comply with national and local electrical codes.
- **Qualified Personnel:** Installation should be performed by a qualified electrician.
- **Fixture Handling:** Handle the fixture with care to prevent damage. Do not install if the product is damaged.
- **Operating Environment:** Suitable for indoor or semi-outdoor use. Do not expose to direct water spray or

submersion.

- **Grounding:** Proper grounding is required to ensure safety.
- **Linking Limit:** Do not exceed the recommended number of linked fixtures (up to 5 lights for continuous runs) to prevent electrical overload.

3. PACKING LIST

Verify that all components are present before beginning installation.

- SLAclite 8FT LED Linear Light Fixture (1 unit)
- Mounting Hardware (Suspension cables, ceiling-mounted brackets, screws, anchors)



Image 3.1: Product dimensions and included accessories, showing suspension cables, ceiling-mounted brackets, and various screws and anchors.

4. INSTALLATION INSTRUCTIONS

The SLAclite 8FT LED Linear Light supports both surface mount and suspended mount installations.



Image 4.1: Illustration of surface mount and pendant hang installation options for the linear light fixture.

4.1. Unboxing and Preparation

1. Carefully open the packaging and remove the light fixture and all accessories.
2. Review the installation manual provided in the box.

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Video 4.1: An unboxing and installation overview of the LED Linear Light, demonstrating how to access components and prepare for setup.

4.2. Electrical Connection

1. Ensure power is OFF at the circuit breaker.
2. Remove the end cap of the fixture.
3. Connect the power cord wires to the internal terminal block. Ensure proper polarity (Live, Neutral, Ground).

4. If using 0-10V dimming, connect the dimmer wires to the designated dimming terminals.
5. Secure the wiring and replace the end cap.

4.3. Linking Multiple Fixtures (Optional)

For continuous runs, multiple fixtures can be linked seamlessly.

1. Remove the end cap from one end of the first fixture and one end of the second fixture.
2. Align the fixtures and push them together until they click into place, forming a secure mechanical and electrical connection.
3. Use the provided linking plates and screws to further secure the connection between fixtures.
4. **Important:** Do not exceed 5 linked fixtures in a continuous run to ensure stable operation and safety.



Image 4.2: Step-by-step guide for tool-free seamless connection of multiple linear light fixtures.

4.4. Mounting the Fixture

Choose between suspended or surface mount installation based on your application.

4.4.1. Suspended Mount

1. Mark the desired mounting points on the ceiling.
2. Install the ceiling anchors and hooks for the suspension cables.
3. Attach the suspension cables to the fixture and adjust the hanging height (0 to 5 feet) as needed.
4. Ensure the fixture is level and securely fastened.

4.4.2. Surface Mount

1. Mark the desired mounting points on the ceiling.
2. Install the surface mount brackets to the ceiling using appropriate screws and anchors.
3. Attach the linear light fixture to the installed brackets, ensuring it is securely locked in place.

5. OPERATING INSTRUCTIONS

The SLAclite LED Linear Light offers adjustable settings for wattage and color temperature.

5.1. Wattage Selection

The fixture features a selectable wattage switch, allowing you to choose between 100W, 90W, 80W, 70W, and 60W. This switch is typically located on the side or end of the fixture.

SMART CCT SWITCHING FUNCTION

Self-Made 0 - 10V Driver | 100W/90W/80W/70W/60W Power Scaling
3000K/4000K/5000K Instant Adjustment | >80 CRI True Color Rendering

PS: Upper & Lower Sections Share Unified Settings

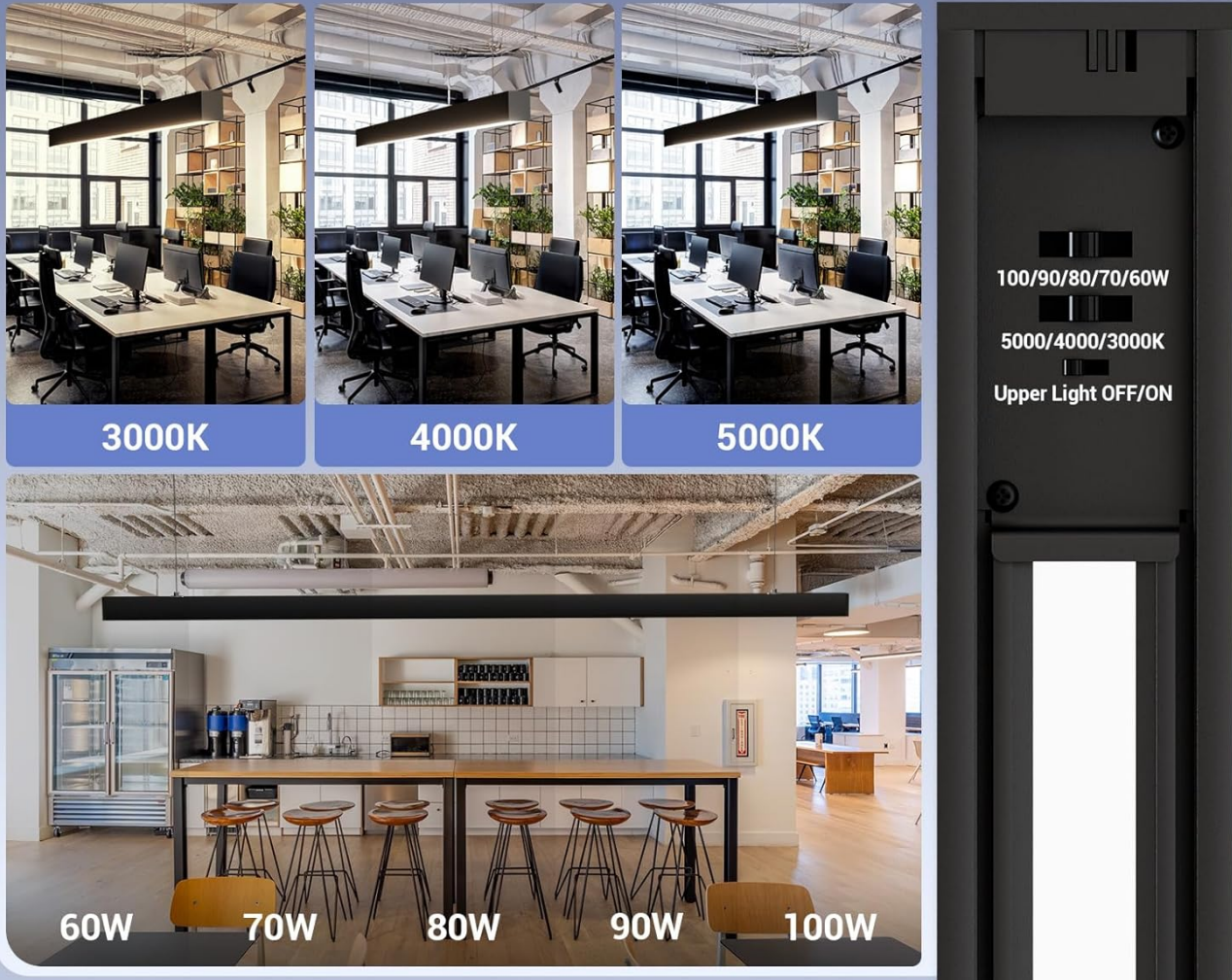


Image 5.1: Detail of the smart CCT and wattage switching function, showing options for 3000K, 4000K, 5000K and 100W, 90W, 80W, 70W, 60W.

5.2. Color Temperature (CCT) Adjustment

A separate switch allows you to select the desired color temperature: 3000K (Warm White), 4000K (Neutral White), or 5000K (Cool White). The upper and lower light sections share these unified settings.

5.3. Upper Light ON/OFF

The fixture includes a switch to turn the upper light (uplight) ON or OFF independently. When enabled, both upper and lower sections share the selected wattage and CCT settings.

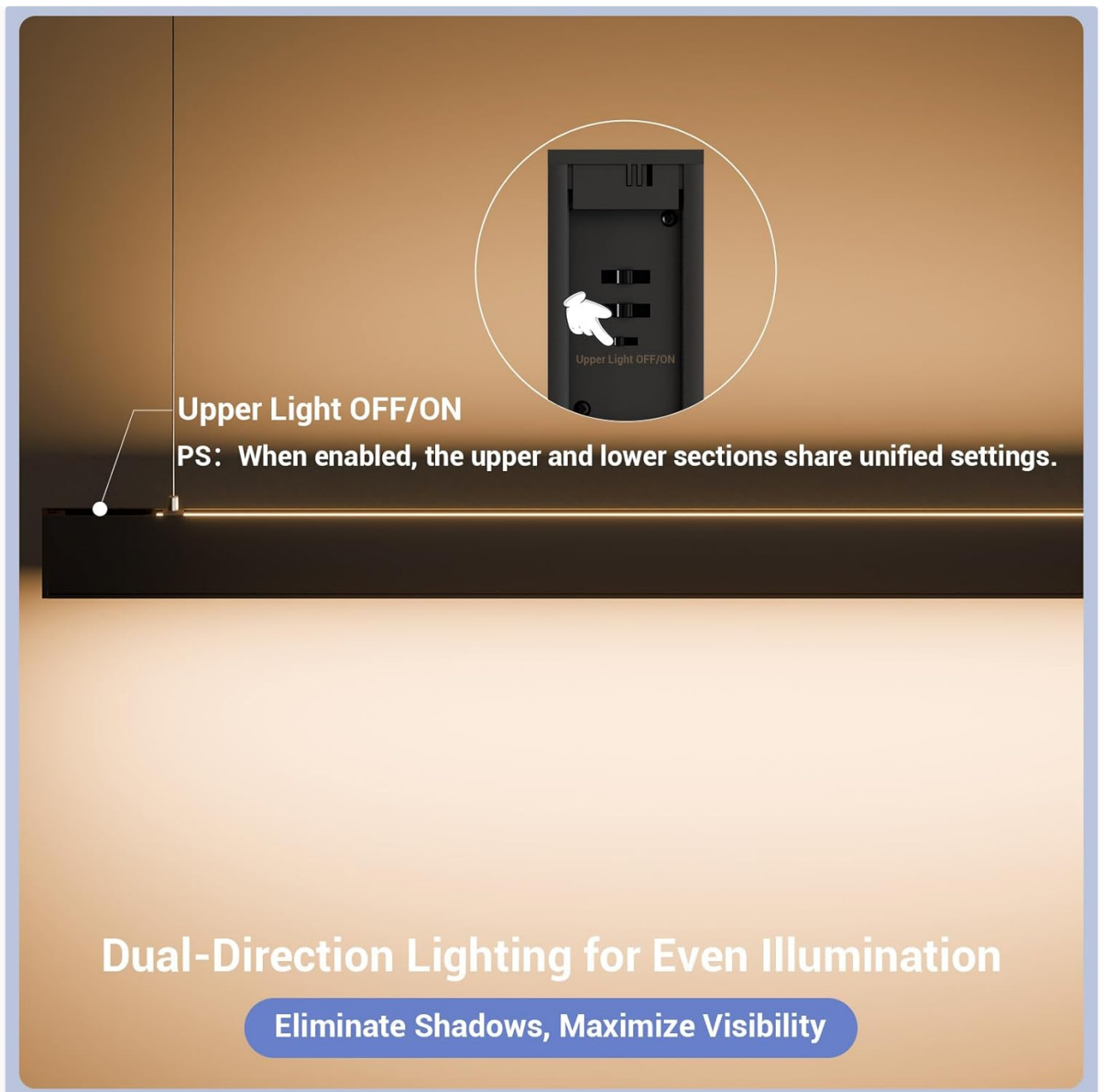


Image 5.2: Illustration of dual-direction lighting and the switch for controlling the upper light, which helps eliminate shadows and maximize visibility.

5.4. 0-10V Dimming

This fixture is compatible with external 0-10V dimmers (not included) for smooth brightness control from 0% to 100% without flickering or buzzing.

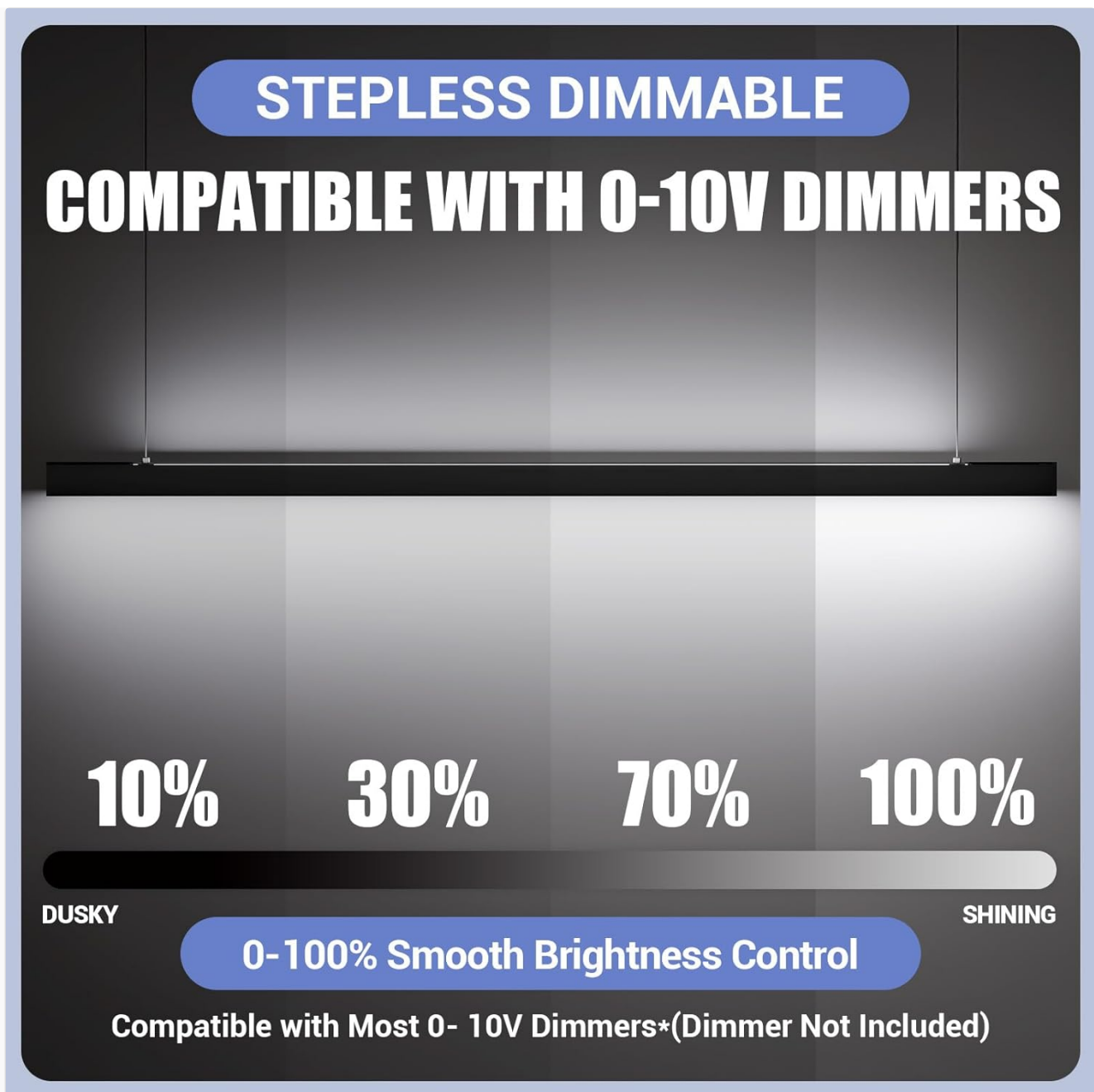


Image 5.3: Visual representation of the 0-100% smooth brightness control using a 0-10V dimmer.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED linear light.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry, or slightly damp cloth to wipe the fixture. Avoid abrasive cleaners or solvents that may damage the finish or lens.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.
- **Lens Care:** The frosted lens is designed for glare-free, soft lighting. Avoid scratching or damaging the lens surface.

SOFT LIGHTING



Frosted Lens, Glare-Free Design, Eye protection

Image 6.1: Close-up of the frosted lens, highlighting its role in producing soft, glare-free lighting for eye protection.

7. TROUBLESHOOTING

If you encounter issues with your SLAclite LED Linear Light, refer to the following common troubleshooting steps:

- **Light Not Turning On:**

- Check if the power supply is connected and the circuit breaker is ON.
- Verify all electrical connections are secure.
- Ensure the wattage and CCT switches are set correctly.

- **Flickering or Buzzing:**

- Confirm that the dimmer switch (if installed) is a compatible 0-10V dimmer.
- Check for loose wiring connections.

- **Uneven Lighting:**

- Ensure all linked fixtures are properly connected and secured.
 - Verify that the upper light ON/OFF switch is set as desired.
- **Partial Light Failure:**
 - If only the uplight or downlight is not working, check the upper light ON/OFF switch.
 - Contact customer support if the issue persists after checking connections and settings.

For issues not resolved by these steps, please contact SLAclite customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	SLAclite
Model Name	VFF60-50KFP
Product Dimensions	94.49"L x 2.95"W x 2.17"H (240cm L x 7.5cm W x 5.5cm H)
Item Weight	9.98 pounds
Wattage	Selectable: 100W/90W/80W/70W/60W
Brightness	Up to 12000 Lumens (at 100W)
Color Temperature	Selectable: 3000K/4000K/5000K
Voltage	120-277 Volts
Dimmability	0-10V Dimmable
Material	Die-cast Aluminum Housing, Polycarbonate Casing/Shade
Finish Type	Frosted Lens
Installation Type	Surface Mount, Suspended Mount
Indoor/Outdoor Usage	Indoor or Semi-outdoor Use
Certifications	ETL Listed
Lifespan	50,000 hours

9. WARRANTY AND SUPPORT

SLAclite stands behind the quality of its products. This LED Linear Light comes with **5-year warranty**. If you encounter any issues or have questions regarding the installation, operation, or maintenance of your product, please do not hesitate to contact SLAclite customer support. Our team is available to assist you. For further assistance, please visit the [SLAclite Brand Store](#).



