**PARTS DIAGRAM**

- Bracket & Hook x 2
- DC Power Supply
- Power Cord
- Mount
- Spectrum Tuning Dial
- 0-10V Controller Ports
- Venting Holes
- Intensity Tuning Dial
- Lens

**INSTALLATION GUIDE**

1. Remove contents from package.
2. Install H160 to optional mounting accessories.*
3. Connect Power Cord (A) to the specified DC Power Supply (I).
4. Plug the Power Supply into an outlet with the correct specifications (see product specifications for more information).
5. Using the H160’s Intensity Tuning Dial (F) and Spectrum Tuning Dial (G), set the light to the desired setting. H160 has four specifically designed spectrums (BLUE, GROW, BLOOM, RED) (see kessil.com for detailed spectrum information and application).
6. The ports beneath the dials can be connected to an external 0-10V controller. Please consult your controller’s owner’s manual for more information.

*The H160 can be used with two brackets and metal Hooks (H), and the A-Series Gutterrack. The H160 should be hung at least 4 inches above the plants/fruit.

**SAFETY INSTRUCTIONS**

1. DO NOT use a power supply that is outside the specifications. This is a fire hazard and may lead to unit failure.
2. DO NOT use outdoors. This unit is intended for indoor use only.
3. DO NOT expose unit to an extremely humid environment or submersed unit in water. This may lead to unit failure.
4. DO NOT block Venting Holes (E). This may cause unit to overheat.
5. KEEP Lens (G) away from sharp objects. This may break the Lens (G) and lead to unit failure.
6. DO NOT cover or place objects on the DC Power Supply (I). It should not be contained in an airtight space.

**INSTRUCTIONS DE SECURITE**

1. N’utilisez PAS une source d’alimentation qui est en dehors des spécifications. Ceci constitue un risque d’incendie et peut entraîner une défaillance de l’unité.
2. NE PAS utiliser à l’extérieur. Cette unité est destinée à une utilisation en intérieur uniquement.
4. NE BLOQUEZ PAS les trous de ventilation (E). Cela pourrait provoquer une surchauffe de l’appareil.
5. GARDEZ l’objectif (G) à l’écart des objets tranchants. Cela pourrait casser la lentille (G) et entraîner une défaillance de l’unité.
6. NE PAS couvrir ou placer d’objets sur l’alimentation CC (I). Il ne devrait pas être contenu dans un espace hermétique.
MAINTENANCE

1. Keep the air Venting Holes (E) and fan clear of dust. To clean the fan, unplug the unit and insert the tip of a CO2 dust blower (or similar dust blower) in one of the Venting Holes (E) on the unit’s housing. Hold and spray. You can also gently vacuum the light through the venting holes.

2. Keep the Lens (G) clean. If the Lens (G) becomes contaminated with water, dust, or other particles, unplug the unit and clean the lens with isopropyl alcohol. Wet a cotton swab or a napkin in isopropyl alcohol, gently wipe the surface of the lens, and let it dry.

TROUBLESHOOTING GUIDE

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
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<tbody>
<tr>
<td>Light doesn’t turn on</td>
<td>Make sure the unit is connected to the power supply and the power supply is connected to an outlet with the correct specifications. Make sure electrical power is available to the AC outlet being used. Make sure the power supply has the correct specifications. Make sure the unit is operating within the specified operating temperature range (below 104°F or 40°C). If unit overheats, it will automatically shut down.</td>
</tr>
<tr>
<td>Light is flickering</td>
<td>Make sure you are using a power supply with the correct specifications. Make sure to operate the unit in a room at 104°F / 40°C or lower to prevent overheating. Make sure the fan is operating properly.</td>
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CABLES
Available cables:
- Control Cable (Please consult Kessil.com for list of available cables and compatible controllers).
- Unit Link Cable (male/male with 3.5 mm stereo jack).
- Control Extension Cable (6’ long male/ female with 3.5 mm stereo jack).

STARTING A CHAIN
Connect two or more lights with the Kessil Link Cable, as shown in the diagram.

CONTROL METHODS
There are two ways to control a chain of lights:
- With an external controller;
- Without external controller (Tuning Controls on first light control all other lights in chain).

Each light has its own independent power supply. Any number of lights can be daisy chained together without degradation of signal. However, in longer chains a slight delay in response may occur. Manual tuning is disabled when input cable is plugged in.