**Setup #2**

- This setup uses 2 Pro’s, one with only barn doors & knobs for light adjustments.
- To change lamps, pull straight out from fixture socket.

- **Warning:**
  - Do not fill Pro-light down if mounted on a tripod.
  - Never touch hot parts only touch top of a camera.
  - Do not do Pro-light upper front end knob while operating the light, light temperature is present.
  - Do not use near standing water.
  - Avoid using Pro-light without proper safeguards or people unless secured with a safety cord.
  - The updated Pro-light (2008) has an EEC connector for its integrated AC cable. However, older Pro-light uses a 3 pin Edison fixed power cable which is to be used only with Pro-light and not as a general purpose extension cable.
  - Keep Pro-light power power away from floor heating when it is not in use.
  - Power is used, always store the light without removing the power cable from the source power.

- Uses 2 Pro’s as hard key/soft fill, with extension 16’ (4.88 m) & extension 32’ (9.75 m) in different positions, see diagram. For special use applications, Pro-light can be converted in the following ways.

- Snug the power cord & lamp, for a battery powered, hand held light at 12 or 30V.
- Snap the Prismatic Glass to Clear Safety Glass for non-reflecting output Super-Spot. This can be useful when lighting a small area from a greater distance when higher output is needed.
- For more reduced spill, consider adding a Snoot.

- Other front accessories can help vary the quality of the light output. For example, the rotating half-sun can allow you to reduce light output on a close subject while still illuminating subjects further away with full output. The full sun reduces output without the use of a diaphragm which can shift the color temperature warmer as the lamp is dimmed.

- The oversimplified diagram above shows some of the possibilities of positioning lights for different subject types & lighting effects. This diagram is only useful as a starting point or one piece. All subjects & scenes are different and make different demands upon lighting. The height of the lights & cameras, and their relative positions must all be considered.

- When finished setting multiple lights, it’s a good idea to check the effect of each light by powering them all down & looking at your set with one light on at a time. This will help you better understand the components of lighting and how each fixture contributes to the final image.

- These are just some starting suggestions. For additional information, see the Lowel Laser. For a complete Lowel catalog. For in-depth understanding of the technical essentials involved in that art of lighting, we suggest Ross Lowell's acclaimed book, Maters of Light, Lighting, available from many of their dealers.

- Power Cables & Connectors
  - 12V AC Unwired Cable
    - #760 Cable with EEC connector is supplied with the Pro-light for pre-updated Pro-lights (pre-2003).
  - Optional Power Cables
    - To connect to international voltage or portable power battery sources, the following adapter cables are available from Lowell for updated (EC) Pro-lights (contact us for older models).
  - AC options
    - PS-200 120V Euro cable (REC) 800-
    - PS-200 120V Euro cable (REC) 800-
  - Volt battery
    - PS-72 12-4 pin XLR Cable
    - PS-85 12v Cigarette Lighter Adapter
    - PS-85 12v Cigarette Lighter Adapter
    - PS-91 1.2V battery

- The Pro-light is a professional lighting fixture. Read these instructions and lamp manufacturer’s warnings before operating.

- **Warning:**
  - Not for house hold use, only for lighting equipment.
  - Do not leave features unattended.
  - Display lamp when not in use.
  - The units use lamps of several different voltages. Make certain that lamp voltage matches power voltage. Examples: connect a 220 volt lamp to a 220 volt socket.
  - Units such as this emit considerable light and heat, and if not properly used, could be dangerous.
  - Lights should not be positioned extremely close to people. Ultraviolet light rays could cause damage to the eyes and reddening of the skin. The likelihood of either occurring is increased when the light is positioned close to a subject and focused intensely and precisely.
  - Therefore, lights should be kept away from people.
  - Avoid aiming the light at, or placing close to, people, delicate objects or flammable materials.
  - Do not interfere with ventilation by covering the lights in any way.
  - For proper ventilation, do not fill beyond 45 degrees or operate sideways.
  - Do not operate Pro-lights upside down with lamps of more than 125 watts.

- **Warning:**
  - Do not fill Pro-light down if mounted on a tripod. Camera damage could result.
  - Never touch hot parts only touch top of a camera.
  - Do not do Pro-light upper front end knob while operating the light, high temperature is present.
  - Do not use near standing water.
  - Avoid using Pro-light without proper safeguards or people unless secured with a safety cord.
  - The updated Pro-light (2008) has an EEC connector for its integrated AC cable. However, older Pro-lights use a 3 pin Edison fixed power cable which is to be used only with Pro-light and not as a general purpose extension cable.
  - Keep Pro-light power power away from floor heating when it is not in use.
  - Power is used, always store the light without removing the power cable from the source power.
**Lowel Pro-light Instructions**

**Pro-light Controls**

- **IP 53** (New 36" Grid Lock) Flexible stand, based on design combination of Uni-stand & Omni-stand. More stable than Uni-stand, more compact than Omni Stand.
- **IP 21** (Graduated Scrim) Reduces light by approximately one stop.
- **IP 24** (Full Scrim) Reduces light by approximately one stop.
- **IP 25** (Barndoor Frame) Provides additional control to the light. The Pro-light will lock onto stands with top studs up to 5/8" (16mm). We recommend Lowel Stand locks, for most applications. Where elevation greater than 2", the Pro-light should be positioned low on any stand with a Tota-clamp. Lowel weights add to stand stability and should be used when appropriate.
- **IP 45** (Front Housing Glass) Holds Light Control Accessories, and/or leaves. Rotates 360°.
- **IP 52** (Reflector) Corrected light intensity reflector can be used with either the supplied Prismatic Glass or Clear Safety Glass. Stand with Clear Safety Glass has high intensity non-focusing capabilities.

**Changing Pro Front Housing Glass**

- **Prismatic Glass** (IP 49) Remove the four screws A located on the front of the light and lift off the cover plate B to replace the Prismatic Glass C. Reverse assembly in reverse.

**Other option is to purchase the # 02 Retractor with Front Housing & Safety Glass Code: PZ-19**

**Pro & i Focusing and Focus Knob Extension**

- **Code: IP-30**

**Pro-light & i-light Barndoors**

- **Expandable Rectangular Leaf** Changes from small to large rectangle.

**Swing-in Accessories**

- **Diffused Glass** (IP 50)
  - Soften highlights and shadows. About 3/4 stop light loss. Light loss approximately 45%, at F/stop.
- **Barndoor Frame** (IP 22)
  - Supplied with all Pro-lights. Given in fairly dispensed, produce a uniform spot and a true-intensity barndoor cut. When used with safety Glass on Corrected Light Intensity, softens light dramatically. Barndoors can be used on any lamp and also used as a large diffusor.
- **Barndoor Extension** (IP 23)
  - Unique design. 200 Lumens to average daylight. U/V light rays Light loss approximately 60%.
- **Bioptic Filter** (IP 27)
  - 200 Lumens to average daylight. About 1/2 stop. Light loss approximately 60%.
- **Full Scrim** (IP 54)
  - Reduces light by approximately one stop.
- **Half Scrim** (IP 55)
- **Graduated Scrim**
  - Same principle as half scrim but effect is more pronounced and more extreme.
- **Handle & Low-link**
  - Code: T1-32 Tota-mount supports any of the ViP fixtures atop doors and partitions. Doors can be open or closed. The light can be located in or outside a room, since swinging the light fixture in any vertical plane. The light can be tilted and swiveled to any desired position. The light can be flipped over and sealed to studio set walls or dagged to windows or lining in wood, metal, and other wall surfaces.

**Mounting Barndoors & Barndoors Accessories**

- **Code: UN-55**
  - Uni-mount for Pro and i-light fixtures. Mounts to the front of the light. The first ventilation groove is located inside the holder and remove accessory held in place by a retaining spring clip. A scrim and glass accessory may also be added to the end of the Snoot.

- **Code: iP-37**
  - Requires 1/2 (180-degree) turn to remove or install the barndoors. Loosen knob B to put the light on the other side of the frame. These hook locks can be attached to an Expandable Barndoor Frame simultaneously, but only once can be used at a time. Quickly swinging one holder on to position and swinging in another is a valuable user convenience.

**Changing Light Control Accessories**

- **Swing-in Accessories**
  - Suitable for any lamp. May be added to any accessory. A is pointed down while lamp is on.
  - Insert new accessory and secure retaining spring clip. A scrim and glass accessory may be mounted together in a Single Accessory Holder.

**Mounting Tota-mount & Vipod with Gaffer Tape**

- Gaffer tape on each stud. Mount or store. ViPod and Gaffer tape can be used to lock on same microphone yokes and various accessories.

**Pro & i Gel**

- **Code: iP-40**
  - Frame 5 x 6". United frames, extending frame bar and insert through front slot of UMB Lock with knob. Pans and tilts with the light, collapses for storage.
- **Code: iP-35**
  - Holds 5 x 6” gels. United frames, extending frame bar and insert through front slot of UMB Lock with knob. Pans and tilts with the light, collapses for storage.

**Mounting Tota-mount & Barndoors**

- **Code: UN-33**
  - Mounts on the Stud. Mount or store. ViPod and Gaffer tape can be used to lock on same microphone yokes and various accessories.

- **Code: iP-49**
  - Mounting Tota-mount & Barndoors to the light. The Barndoors can also be attached to the Pro & i Gel Frame.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: UN-33**
  - Mounts on Pro & i Gel Frame.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: iP-24**
  - Full Scrim reduces light by approximately one stop.
- **Graduated Scrim**
  - Same principle as half scrim but effect is more pronounced and more extreme.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: iP-25**
  - Barndoor Frame with two removable non-expandable leaves. Frame accepts swing-in accessories and additional leaves. Inside of holder is the visible and removable accessory held in place by a retaining spring clip. A scrim and glass accessory may be mounted together in a Single Accessory Holder. Note: Not applicable for some accessories and for last-in-changes.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: iP-26**
  - Mounting Tota-mount & Barndoors to the light. The Barndoors can also be attached to the Pro & i Gel Frame.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: iP-27**
  - Graduated Scrim reduces light by approximately one stop.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: iP-28**
  - Non-expandable Clip-on leaf. Can be attached, or removed, from Pro & i Gel Frame.

**Mounting Tota-mount & Barndoors to the light.**

- **Code: iP-29**
  - Adjustable taping sleeves. A Universal Mounting Bracket (UMB) located below the fixture adjacent to the stand fitting B to accept the Tota-mount C. Note: The bracket can only accept one accessory at a time.