

SURE-TEST SYSTEMS™

HIGH STRAIN RATE EQUIPMENT & TESTING

REL, Inc.

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Profusion X Gen 2 Setup & Operation

HEX-700W: Light Module

HEX-700W-PS1: Standard Output Power Supply

HEX-700W-PS3: High Output Burst Mode Power Supply



Sure-Bright Profusion X System

HEX-700W Light Module

- 24 deg beam
- 65" FWHM spot at 4 meters
- 13 klux at 4m peak continuous (72,000 Lumens)
- 43 klux at 4m peak burst mode (204,000 Lumens)
- 6' power cord (extensions available)

HEX-700W-PS1 Power Supply

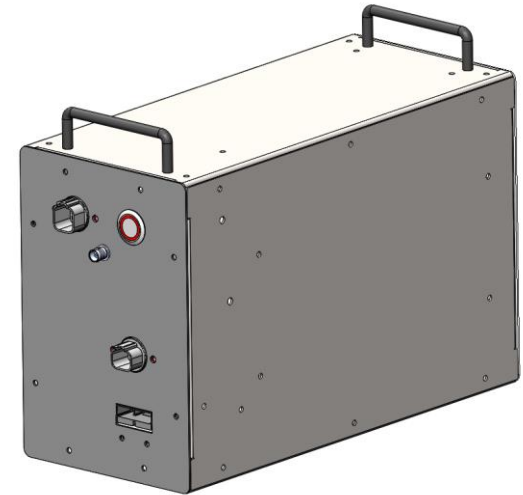
- 540 watt output
- 10-100% dimming
- 0-10 volt dimming BNC trigger port
- Fan bypass mode for noise sensitive applications

HEX-700W-PS3 Power Supply w/Burst Mode

- Same continuous output and features as PS1
- Adds 2400 watt burst mode
- 10-20 second burst output duration

Full System Kit Includes:

- Light module
- Power supply
- Handheld remote with 12ft cable (extensions and splitter cables available)
- Tripod and mount adapter
- Alignment laser with magnetic mount
- Hard shell pelican case



Profusion X Kit



Setup

Step 1: Remove components from case

- *Mount light module on tripod with Arca-Type quick release plate (Provided)*
- *If tripod is not used there are several ¼-20 tapped holes on the front and back of the module that can be used for RAM mounts, custom brackets, shields or filters*



Setup

Step 2: Plug components into PS1 or PS3 power supply

- *Connections are labeled on the power supplies and the plugs are unique for each port*
 - *Light Signal: 4 pin Deutsch*
 - *Light Power: 2 pin Anderson Power Pole*
 - *Remote Control: 6 pin Deutsch*
 - *0-10V BNC Trigger: Can be used with or without Remote Control*
 - *BNC trigger provides full dimming proportional to voltage (10V = 100% output)*
 - *Note: 12V can be applied to this port if needed but output will not increase past 10V*
 - *Input Power: 120VAC Typical*
 - *PS1 5A@120VAC*
 - *PS3 20A@120VAC*
 - *Plugs can be swapped to run on 240VAC if required*



Setup

Operation

- The light modules can be controlled with the provided hand held remote
 - **OFF-ON (Maintained):** Turns the light on and off to the desired Level.
 - **LEVEL:** Set the desired output level by rotating the knob. Clockwise is brighter.
 - **BURST (Momentary):** Provides full output regardless of LEVEL setting
 - For a PS1 the BURST mode is the same as the max continuous LEVEL setting
 - For a PS3 the BURST mode is approximately 3X the light output of the max continuous LEVEL setting
 - Note: When using a PS3 the BURST mode is meant to be used for 10-20 second pulses or less. If run continuously the light will overheat and shut down. The same rule applies to the 10V trigger on a PS3.



Setup

Other Features

- **FAN OVERRIDE (Maintained):** PS1 & PS3 power supplies are equipped with a fan override button that bypasses power to the cooling fan.
 - This is useful for setups where noise or air movement is a factor.
 - However, the light will heat up much faster and over temp shut down may happen. For this reason it is recommended that the fan override be used only for low duty cycle applications.
 - Note: With the fan operational the light can be run at 100% LEVEL setting continuously.
- **Laser Alignment Tool:** The provided laser alignment tool is useful for centering the beam on a particular target
 - The laser contains a magnet that will attach to a corresponding magnet on the center of each light module
 - Remove the laser before operation



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