

## Warnings

### General Warnings

The Lowel e-studio is a professional lighting system. Read these instructions and lamp manufacturers' warnings before operating.

- Do not leave fixtures unattended. For stationary studio use.
- Not for household use. Use only for photographic lighting (video & film imaging).
- Do not exceed maximum rated wattage for unit.
- Use maximum 55 Watt lamps.
- Always unplug unit before relamping.
- Be sure lamp is securely seated in lamp socket.
- Do not use near standing water.
- Internal ballast produces high start-up voltage.
- When attaching to overhead pipes or grids, always use Safety Cables.
- Never bypass plug's ground pin.
- Do not interfere with unit's ventilation.
- Do not attempt to open unit, no user serviceable parts inside. See p. 6 for fuse change.

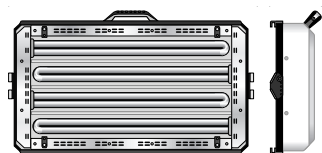
### Fluorescent Warnings

- Avoid looking directly at the tubes for extended periods of time.
- Fluorescent tubes contain highly poisonous mercury.
- In the event of lamp breakage, avoid contact with broken pieces.
- Read lamp manufacturers information fully.

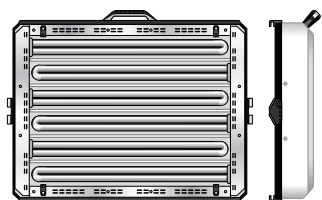
### e-studio2



### e-studio4



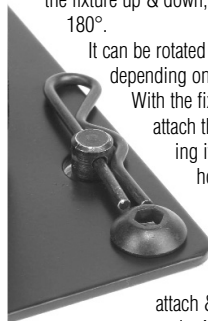
### e-studio6



## e-studio™ Mounting

### Mounting Plate

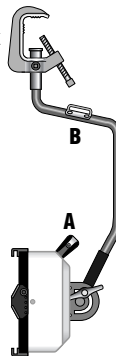
e-studio fixtures are sold in 2 mounting configurations, with hardware to use on a stand, or overhead on a lighting rail or pipe. Stand mounting models use the Mounting Plate & Stand Tilt-bracket; rail or pipe hanging uses the Overhead Mount Tilt-bracket with installed Mounting Plate. Whether you are using the Stand Mount, or the Overhead Mount, familiarize yourself with the Mounting Plate before attaching it to the fixture. When attached, it has the ability to tilt the fixture up & down, as well as rotate 180°.



It can be rotated to mount 4 ways, depending on user preference. With the fixture face down, attach the plate by aligning it with the 4 screw holes and the cotter pin post. Using the supplied allen wrench, attach & tighten the 4 screws securely. Attach the cotter pin thru its post as shown.

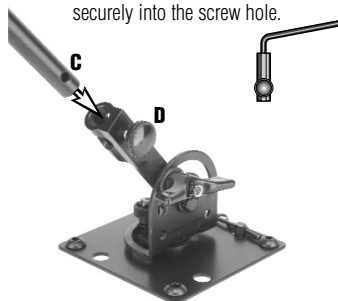
### Overhead Mounting

Once you have attached the combination Overhead Mount Tilt-bracket & Mounting Plate to the back of the fixture, attach the fixture to the rail, tightening the large c-clamp bolt securely with a wrench. Be sure to tighten with a wrench when positioned. **Attach one of the supplied Safety Cables** between the handle on the fixture **A** and the safety cable plate on the bracket **B**, and another between **B** and the pipe or rail.



### Stand Mounting

With the Mounting Plate securely attached to the back of the fixture, orient the Tilt-bracket post so that its screw hole **C** lines up with the locking knob **D**. Insert post and tighten locking knob, checking to make sure it is tightened securely into the screw hole.

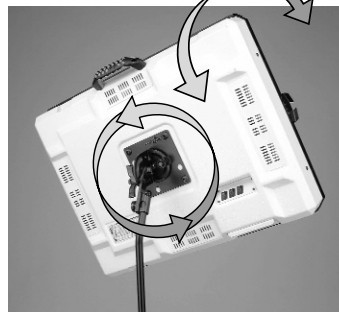


## 3 e-studio™ models

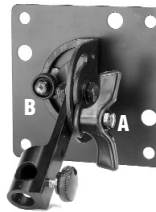


### Tilting & Pointing

Whether in stand mount or hanging clamp configuration, the e-studio Tilt-bracket & Mounting Plate combination is designed to allow a complete range of fixture rotation and tilting. In stand mounting



use, it will also place the fixture's center of gravity squarely over the center of the stand for optimum balance. Loosen the large Mounting Plate locking knob **A** slightly to tilt the light on one axis (up & down) and the smaller locking knob **B** to rotate the light on the other axis (vertical vs. horizontal placement). Tighten locking knobs to secure fixture position.



*Note: the smaller knob B has constant tension locking and will hold its position without additional tightening. Tightening is only required for more permanent positioning.*

### Controlling Light Intensity

Light intensity is controlled through the paired lamp switches on back of fixture. In each e-studio fixture, the lamps are switched from the center pair to the outer most pair in 4 & 6 lamp models.

### e-studio6 Lamp Switches



**Lamps & Lamp Changes**

The e-studio fixtures use compact (55 watt) fluorescent lamps.

**Osram Studioline® Lamps**

(Manufacturer rated lamp life 8,000 hrs)  
Designed for use in video & digital imaging for higher output.

Tungsten	CRI	°K
FLS-55TU Studioline 55w/3200	85	3200
Daylight	CRI	°K
FLS-55DA Studioline 55w/5600	85	5600

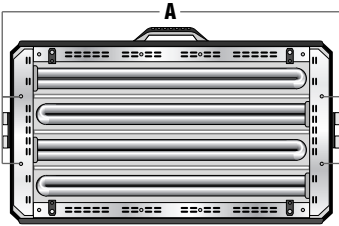
**GE Cinema-Plus® Lamps**

(Manufacturer rated lamp life 8,000 hrs)  
Better lighting for film (still or motion picture) due to better color rendering with film emulsions. May require "minus green" filtration gel (1/8).

Tungsten	CRI	°K
FLC-55TU GEF55BX/CINPLUS32	90+	3200
Daylight	CRI	°K
FLC-55DA GEF55BX/CINPLUS55	90+	5500

**Lamp Changes**

To change a lamp, remove any front accessories, if attached. Remove the screws attaching the metal endplates A.



\*Note that the light-tube sockets are installed on alternating ends of the fixture. To remove a tube, gently grasp it by its glass end and swing it slightly out from the fixture while pulling it carefully from the socket.

Note: Take care when lifting lamps away from the spring loaded retaining clips in the center of the tube end of the lamp.

Replace lamps in same way, opposite order. Be very careful as lamp-tubes are fragile and can easily shatter. Read lamp mfr's Warnings.

**Fuse Change**

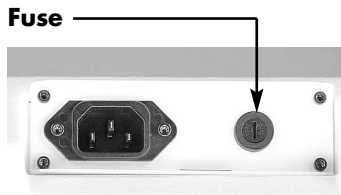
e-studio fixtures come with a user-replaceable mini fuse which is installed in a small holder on the same plate as the exterior AC power socket. Access the fuse by removing the cap with a small flathead screwdriver. Swap fuse if necessary and replace holder.

**e-studio2**  
uses fuses rated at 2.5 Amps and 250 Volts.

**e-studio4**  
uses fuses rated at 3.15 Amps and 250 Volts.

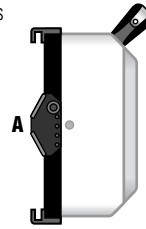
**e-studio6**  
uses fuses rated at 5 Amps and 250 Volts.

e-studio fixtures automatically set themselves to the supply voltage when plugged in & turned on.



**Light Control Accessories**

The following Accessories can be attached to the front of the fixture, by opening the rotating lock A sliding the accessory into the top & bottom slots on the fixture face, and closing the rotating lock. **Only one accessory can be used at a time.**



**Intensifier**

The mirrored Intensifier, when attached, can almost double the light output of the fixture. Assemble before attaching to light by placing 2 adjoining sides together at a right angle & tightening screws. When both halves are assembled, join them together and tighten screws. Slide assembled intensifier into front slot on fixture, close safety locks.

Note: Intensifier has grooved slot on front for attachment of Honeycomb Grid to trim light. Choose correct size of Honeycomb Grid.

**Barndoors**

For trimming spill of the light, slide Barndoor assembly into slot on fixture, and secure locks. Open doors and adjust for proper trimming of spill. Do not operate unit with Barndoors closed.

**Egg Crates**

for controlling spill. Slide the Egg Crate into the front accessory slot. Less control than Honeycomb Grid, with less output loss.

**Honeycomb Grid**

Each fixture has 2 options for using honeycomb grids to control the spill of the light, either placing the grid on the front of the fixture, or attaching it to the front of the Intensifier. It is not possible to use the "front of fixture" grid with the Intensifier. The grids are available in black with 20, 30, or 40 degree dispersion. Honeycomb Grids cause some loss of light output (see chart).

Note: e-studio fixtures have installed Gel Clips. For using colored or diffusion gels in front of the fixture. Attach pre-cut gel material to the 4 spring clips on the corners of the front reflector plate

Accessory	Location	Output Loss/Gain	e-studio6	e-studio4	e-studio2
		(approx)	(Code)	(Code)	(Code)
Barndoor	Front of Fixture	N / A	FLS-620	FLS-420	FLS-220
Intensifier	Front of Fixture	+ 80%	FLS-622	FLS-422	FLS-222
Egg Crate	Front of Fixture	- 25%	FLS-624	FLS-424	FLS-224
Honeycomb Grid Black 40°	Front of Fixture	- 25%	FLS-634	FLS-434	FLS-234
Honeycomb Grid Black 30°	Front of Fixture	- 35%	FLS-633	FLS-433	FLS-233
Honeycomb Grid Black 20°	Front of Fixture	- 54%	FLS-632	FLS-432	FLS-232
Honeycomb Grid Black 40°	Front of Intensifier	- 30%	FLS-644	FLS-444	FLS-244
Honeycomb Grid Black 30°	Front of Intensifier	- 22%	FLS-643	FLS-443	FLS-243
Honeycomb Grid Black 20°	Front of Intensifier	- 46%	FLS-642	FLS-442	FLS-242

**Technical Specs**

**Amperage:** See chart, all models operate at 120-240 VAC 50/60 Hz.

**Fuse Ratings/Classement des fusibles:** 50/60Hz

**Power Factor:** >.99

**120v e-studio2, 4, 6**

Model	Voltage	Continuous Power	Peak Current	Fuse Rating
e-studio2	120 VAC	0.8	1.3	3.15 A
e-studio4	120 VAC	1.7	2.5	5 A
e-studio6	120 VAC	2.4	3.5	5 A

**230v e-studio2, 4, 6** (when the fixture auto-sets to 240v, the below values apply)

Model	Voltage	Continuous Power	Peak Current	Fuse Rating
e-studio2	230 VAC	0.4	0.6	2.5 A
e-studio4	230 VAC	0.8	1.3	3.15 A
e-studio6	230 VAC	1.3	1.9	5 A

**Repairs & Info**

Repairs, problems, suggestions and requests for brochures/catalogs, instructions and parts lists can be handled through your Authorized Lowel Dealer/Distributor or directly through Lowel. Electrical repairs should be made only by Lowel or by a qualified electrician.



**Lowel-Light Manufacturing, Inc.**

140 58th Street Brooklyn, NY 11220  
Call: 800 334-3426 or 718 921-0600  
Fax: 718 921-0303  
e-mail info@lowel.com  
www.lowel.com

