



# Academy Art Light Technical Notes & Installation Guidelines

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## The Art Light

Art Light fittings comprise a head, arm/s, mounting bracket/s, LED driver and one or more LED modules

The length of the head, size of arms and configuration of light units is selected to meet the needs of specific paintings. As the fittings can be easily disassembled they can also be configured for alternative paintings of similar size. The head and arms are available in a range of finishes, powder coated as well as satin and polished metal. Classic old gold is the most popular.

## LED Light sources

The LED modules clip onto a track in the picture light head. They have following characteristics:

Beam Angle-	40 °, 30°, 15°, 66 °
Light output	approx. 100 lumens
Colour temperature	2,700K
Colour rendering	Ra95+
Power consumption	2W (~2.35 circuit watts)
UV output	Zero
Lamp life	L70, 50,000hrs

## Power source

The Art Light is supplied with either a 12W or 25W non-dimmable constant voltage LED driver. Dimmable drivers, 0-10V and mains leading edge with compatible rotary dimming switch, are also available.

## Mounting

The fittings are not supplied with screws. Suggested screw sizes are No.6 1/2", 5/8" and 3/4" depending on the size of the fitting and the frame profile.

Head

Multiple LED light modules mounted on a track inside the head. Each unit can be selected with different beam angles and aimed individually to optimise distribution of light over the painting.

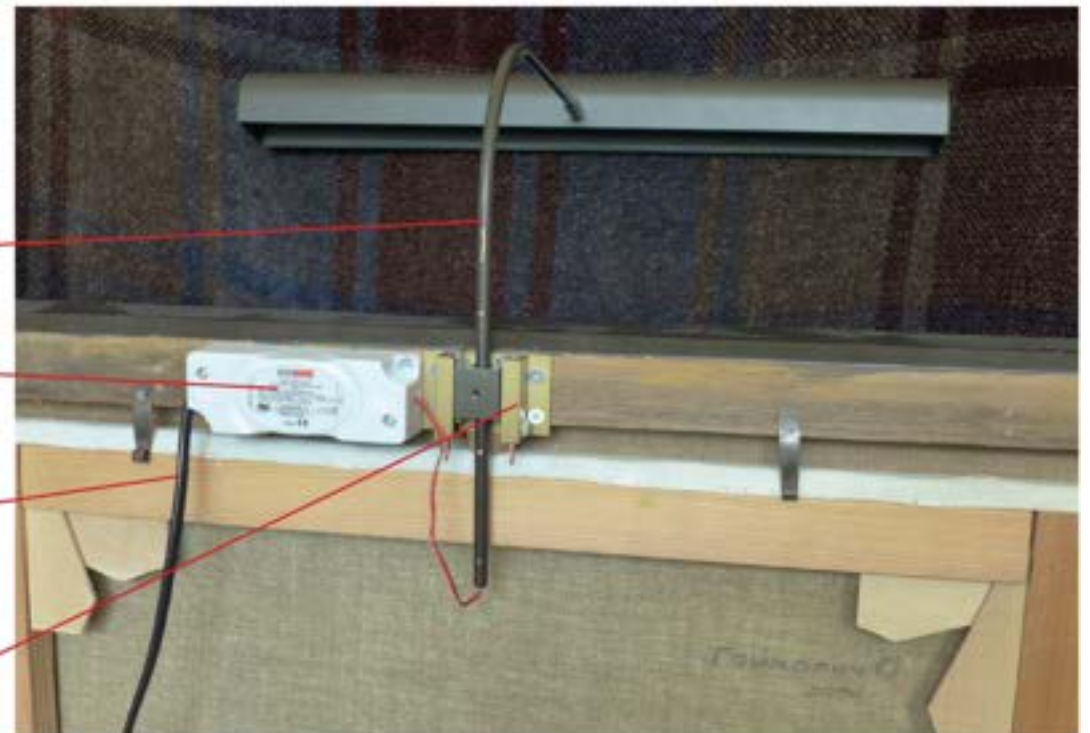


Arm

Power source  
- LED driver

Lead to mains  
outlet, typically a  
recessed clockoutlet

Mounting bracket





# Installation Instructions

Take down the painting/s.

Disconnect and detach any existing picture lights.

Most Academy Art Lights are supplied pre-wired (upon request), with detachable connector sockets, crimps and mains plug.

Either leave cabling as supplied for plugging into an adjacent power socket or remove plug, and strip wires to prepare cable for connection into clock outlet.

Mark out positions for the mounting bracket/s. The smaller paintings have single arm fittings and the wider paintings have two arm fittings.

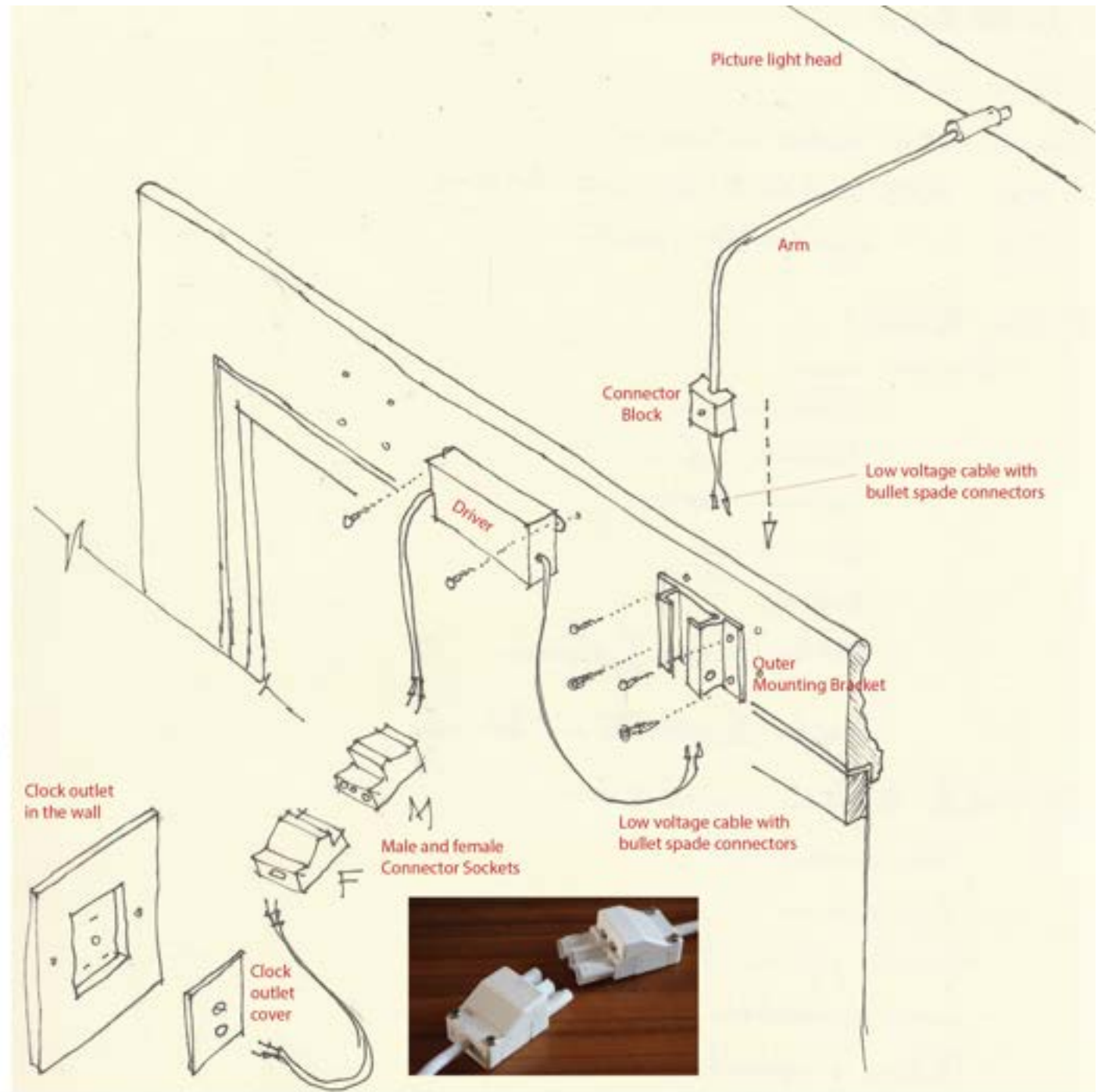
Remove outer mounting bracket from the arm/s. Where the fitting has two arms note which one has a wire emerging from the arm.

Carefully attach bracket/s ensuring the screws do not penetrate the front of the frame.

Attach the driver to the frame close to the wired arm.

Reinstall the arm/s into the mounting bracket/s. Connect together the pin crimp connectors between the driver and the arm wire

Ensure the 220v cable connector sockets are engaged, the clock out cover installed and re-hang the painting. Adjust lighting to suit.



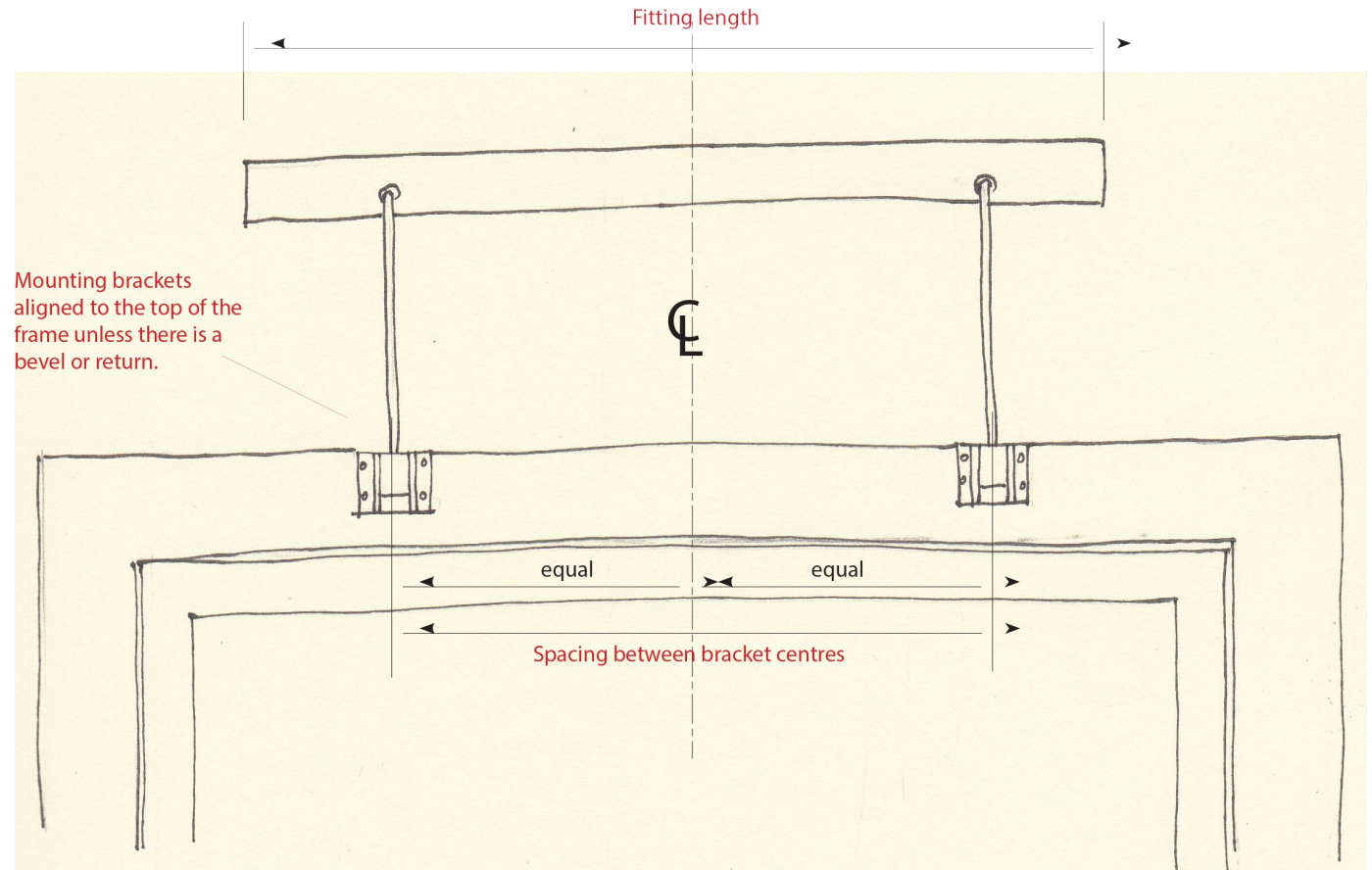
# Setting Out

The longer picture lights are supplied with two arms and thus require two mounting brackets to be attached to the frame. The sketch to the right shows how to set these out starting with the centre line of the frame. The brackets are spaced equally from the centre line.

Please always use four screws unless there is a problem with the thickness of the frame. The brackets can be attached lower down if necessary.

Adjustment is available as follows:

1. Arm height- slide up and down in the inner block at the back of the picture and secure as preferred.  
*(Allen key provided)*
2. The entire Art Light Head may be tilted towards or away from the canvas via the flexible knuckle joint at the top of the arms as suits.
3. LEDs can be distributed along the the entire length of the internal power rail.
4. Individual LED modules can be pivoted towards or away from the canvas.
5. Filters may be available if specifically requested, for application within the plastic frame on the top of lensed LED module that requires dimming.



  
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