SolaFrame Theatre

Fixture Dimensions

483 mm (19 in.)
889 mm (35 in.)
621 mm (24.4 in.)
332 mm (13 in.)
328 mm (13 in.)
595 mm (23.4 in.)
720 mm (28.3 in.)
118 mm (4.65 in.)
563 mm (22.2 in.)
655 mm (26 in.)
327 mm (13 in.)

Silent Operation
Convection cooled with no fans

Color
CMY / CTO + Color Wheel

LED Engine
440 W High CRI

Weight
50 kg / 111 lb

Output
15,000 Lumens

Zoom
7°-42°

Gobos
7 Rotating + 6 Fixed

Frost
Light

Prism
Linear

Animation
Rotating + LED
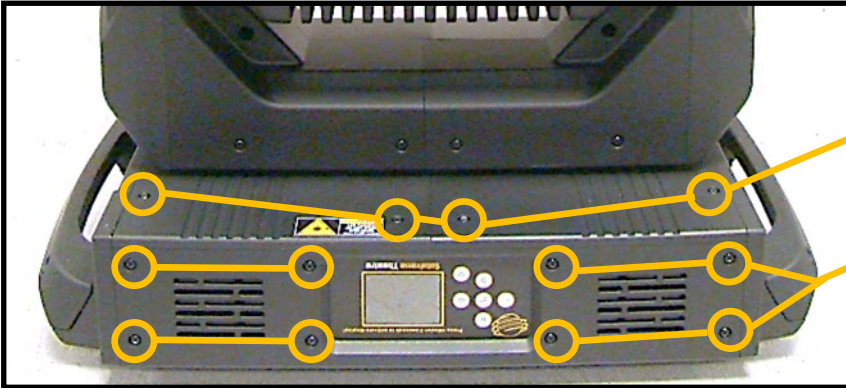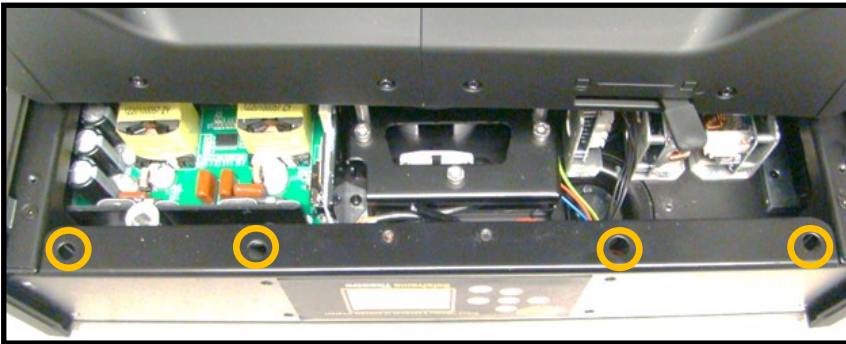
1

SolaFrame Theatre
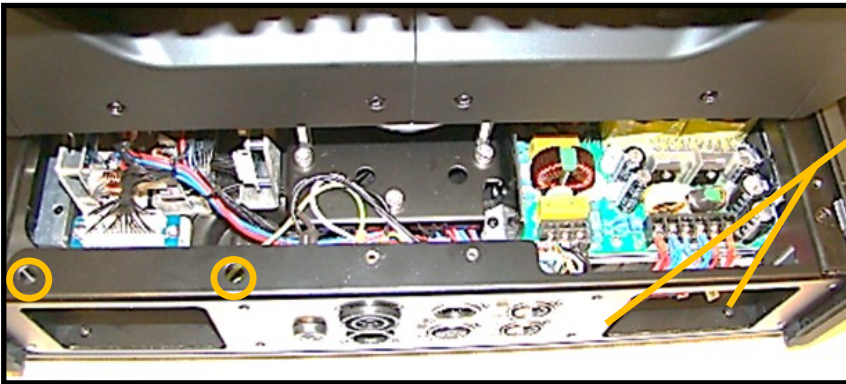
Accessing the Electronics

Remove 4X Philips head screws on front & rear top covers

Remove 8X Philips head screws on the front & rear covers
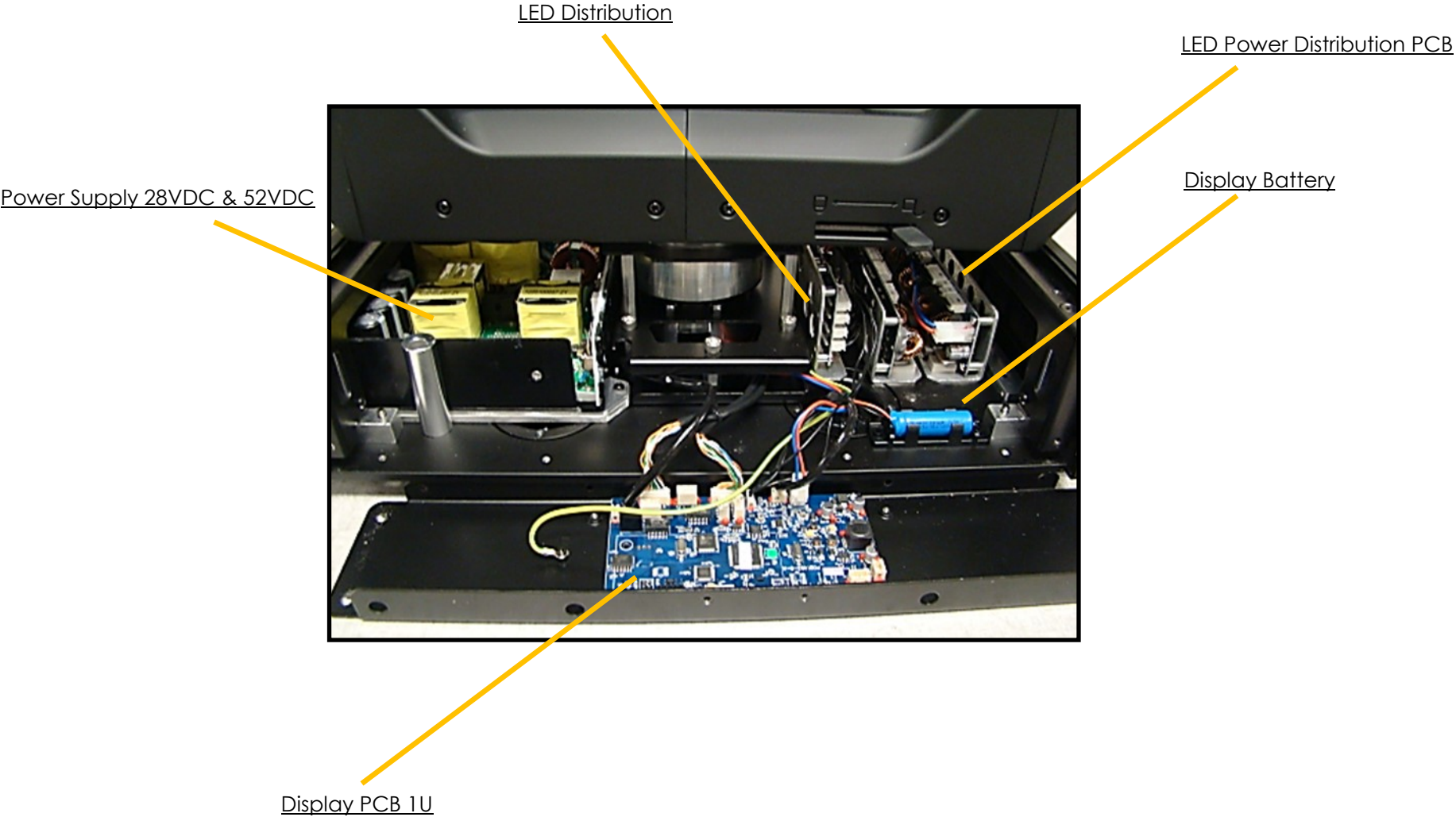
Remove 4X Philips head screws on the front panel

(*accessible through holes*)

Remove 4X Philips head screws on front panel
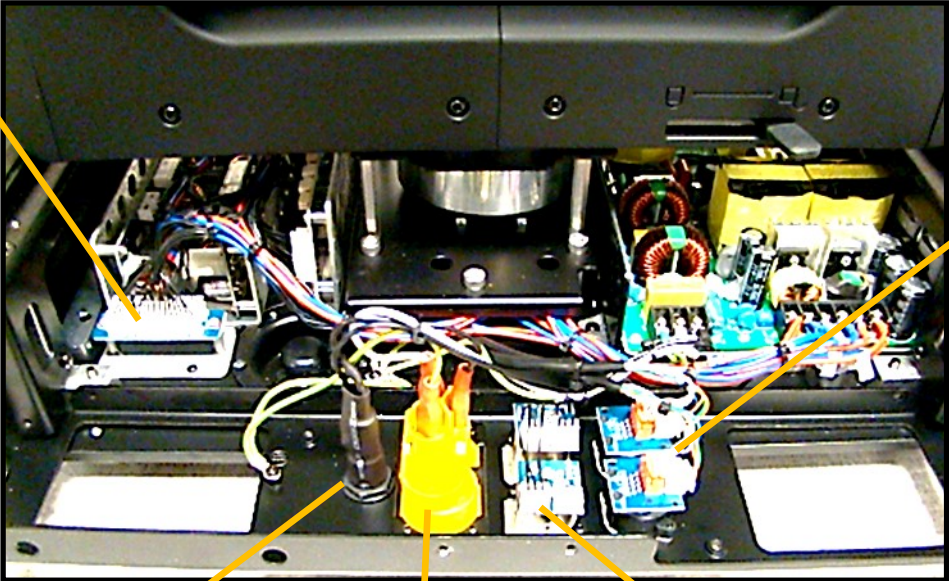
(*2X accessible through holes*)

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Front Panel Components

LED Distribution

LED Power Distribution PCB

Display Battery

Power Supply 28VDC & 52VDC

Display PCB 1U

SolaFrame Theatre

Rear Panel Components

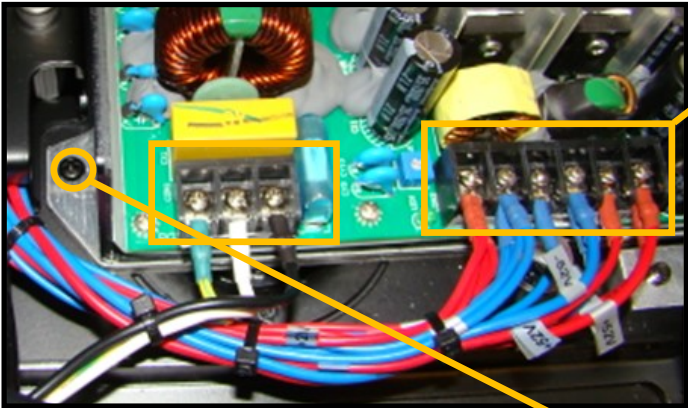
LED Logic Distribution PCB

Artnet Connectors

Mains Fuse 12A Slow Blow Ceramic

TRU 1 Connector

XLR Connectors

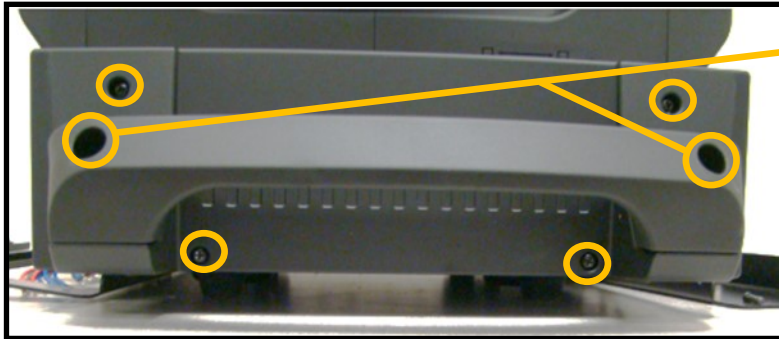# SolaFrame Theatre

Removing the Power Supply

Loosen 9 silver Philips screws to disconnect power wires
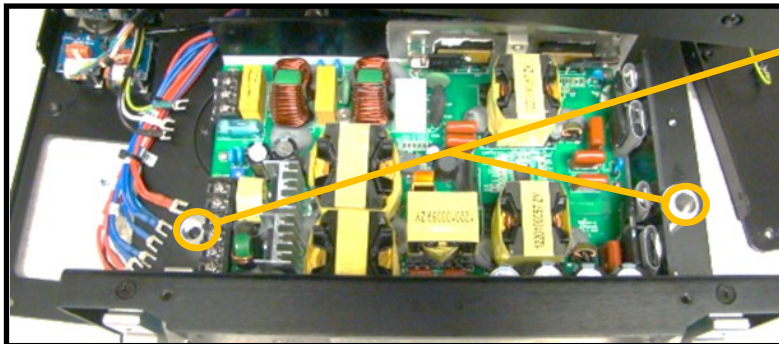

Remove 2X Philips mounting screws

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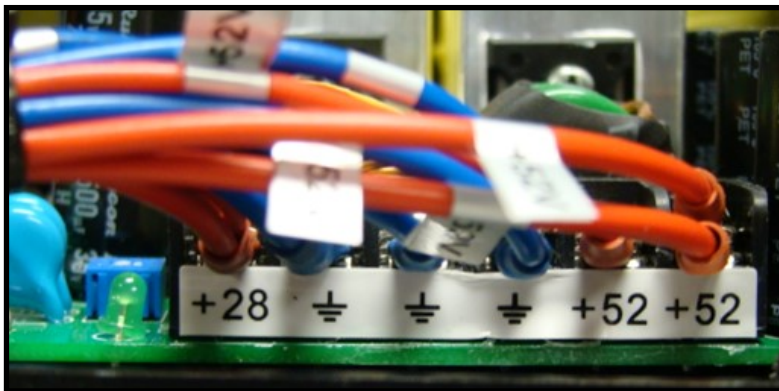## Removing the Power Supply

Remove 2X handle screws using a 6mm Hex tool

Remove 4X Phillips head side cover screws

Remove 2X Philips Power Supply standoff screws

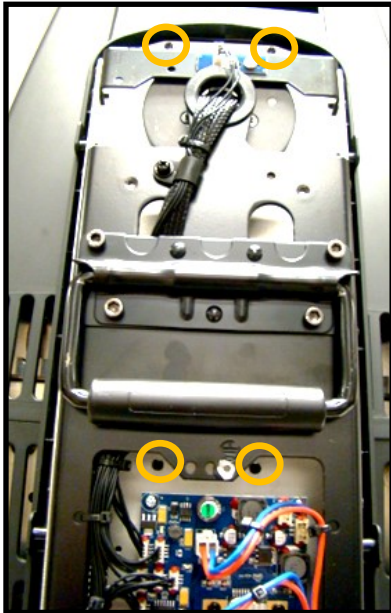Power Supply is now free and can be removed

Note the voltages on the terminal block and wire label when installing the Power Supply
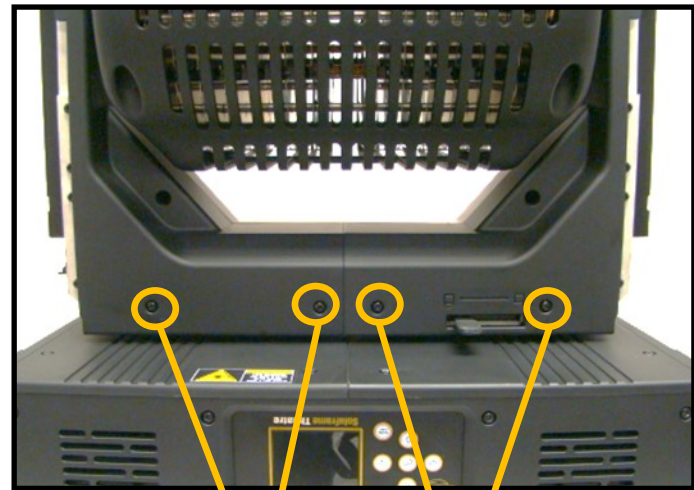
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Accessing the Yoke Components

Remove 2X yoke arm cover screws
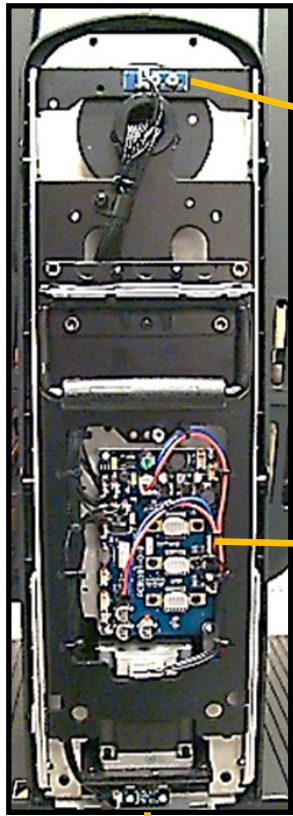
on each side

Remove 4X internal yoke cover screws
on each side

Remove 4X yoke cover screws *on each side*

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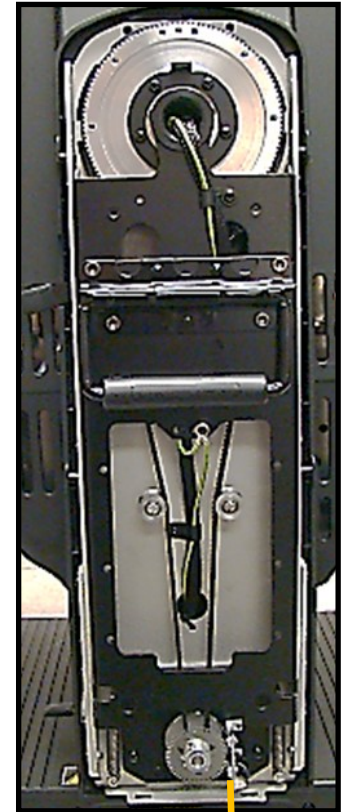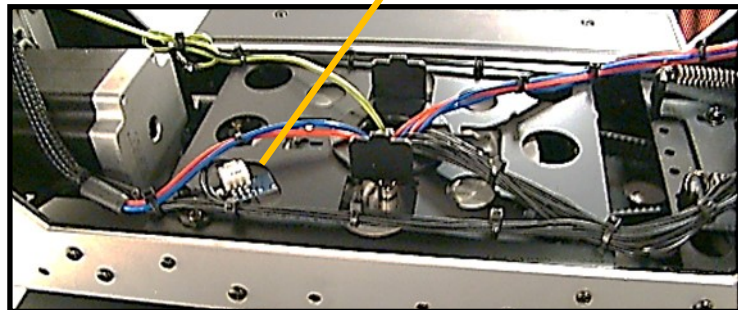## Removing the Power Supply

Tilt Homing Sensor

Pan/Tilt PCB 2U
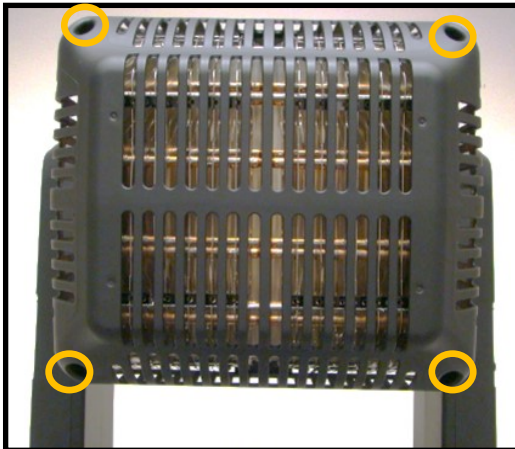
Pan Homing Sensor

Pan Encoder Sensor

Tilt Encoder Sensor
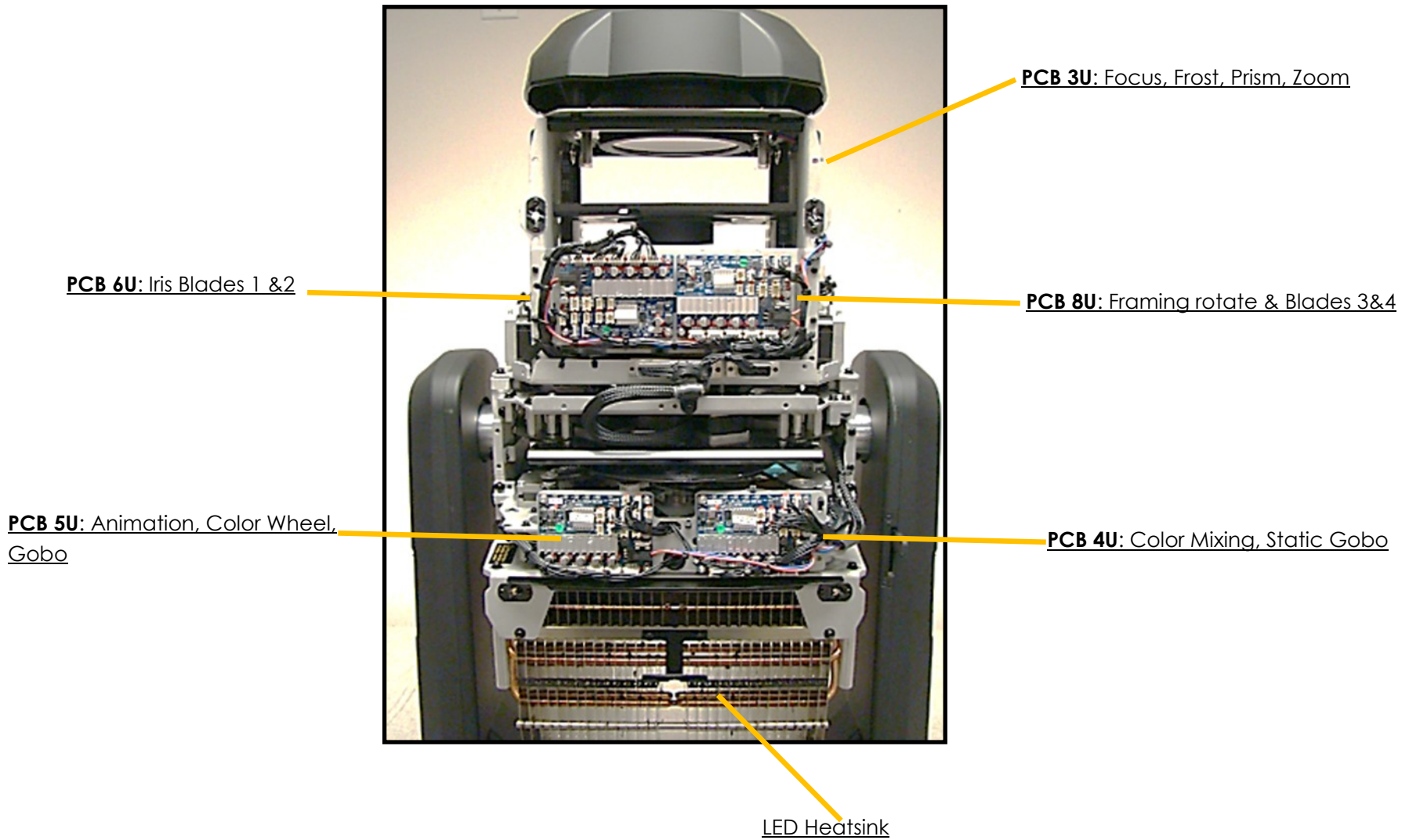
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Access Head Components

Loosen 4X Philips head 1/4 turn semi-captive screws on each side

Remove 4X Philips head rear cover screws
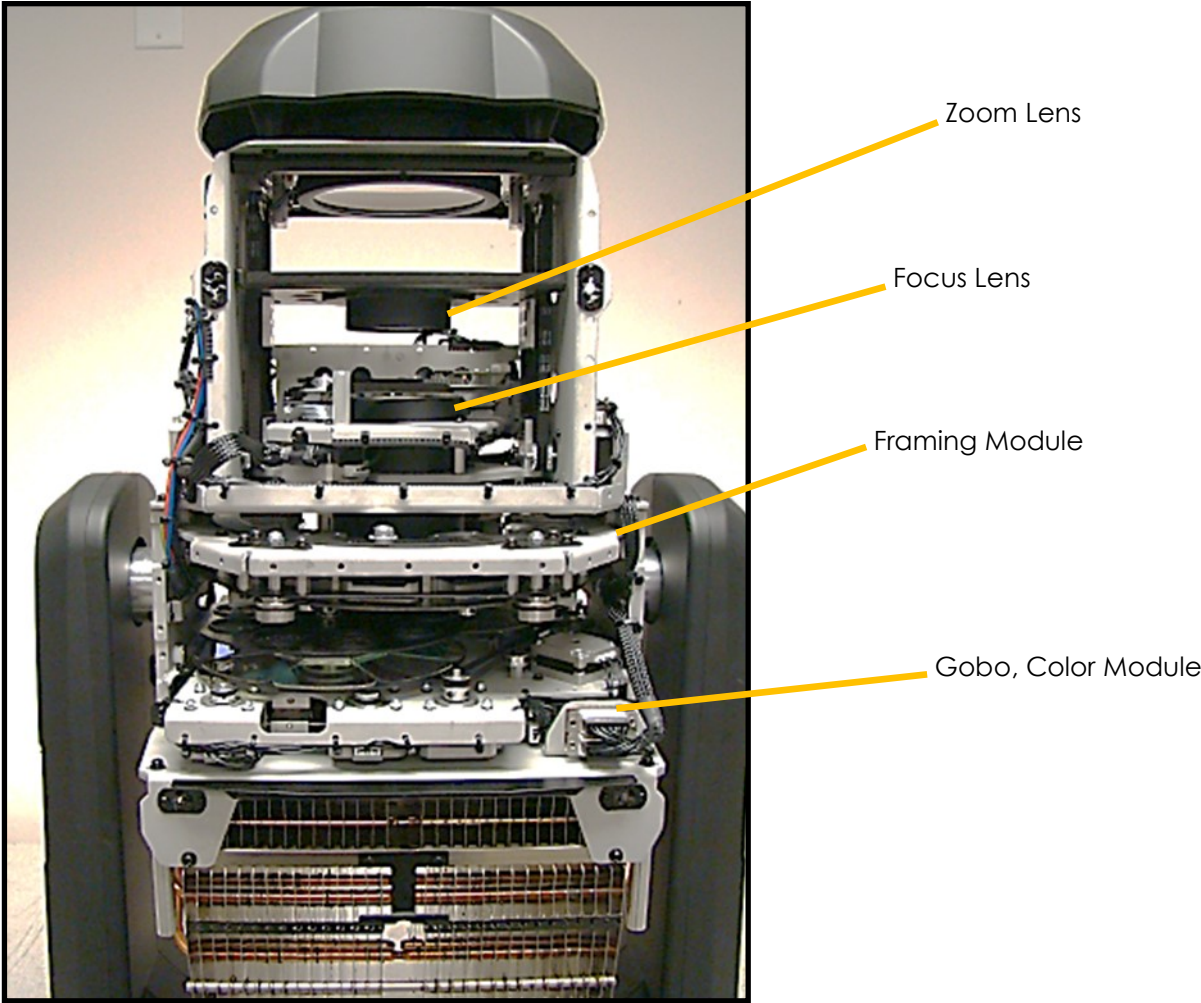
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Head Components

PCB 3U: Focus, Frost, Prism, Zoom

PCB 6U: Iris Blades 1 &2

PCB 8U: Framing rotate & Blades 3&4

PCB 5U: Animation, Color Wheel, Gobo

PCB 4U: Color Mixing, Static Gobo

LED Heatsink

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Head Components

Zoom Lens

Focus Lens

Framing Module

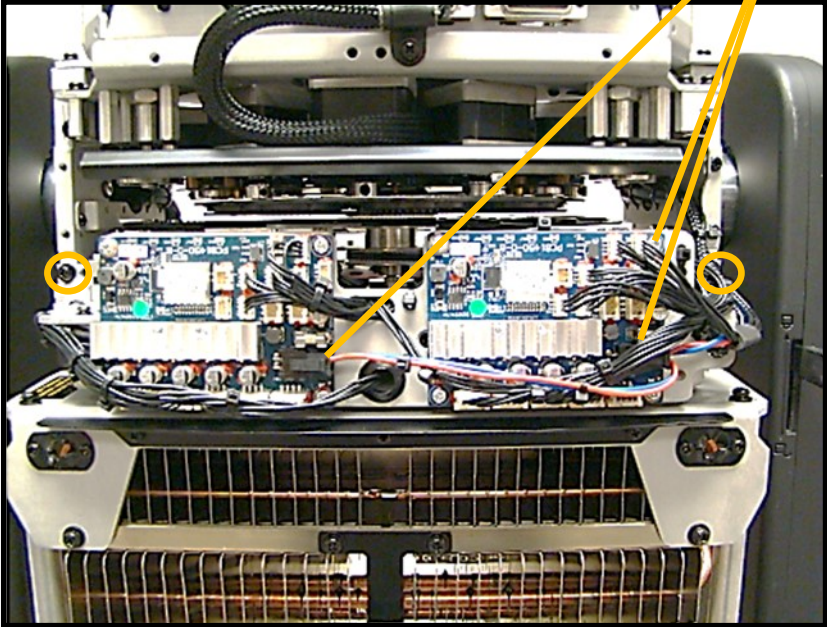Gobo, Color Module

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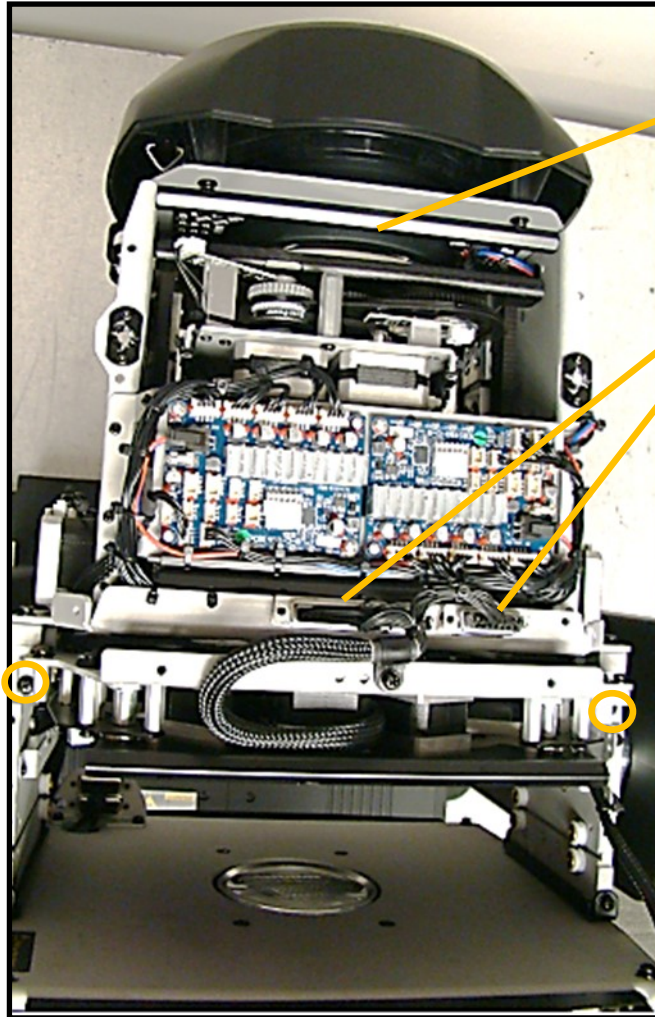## Remove Color/Gobo Module

Remove PCBs power connectors & 1 harness connector

Remove 2X mounting screws, carefully remove module

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Removing Framing Module

Lock head horizontally

Push the focus assembly forward

Disconnect harness connectors

Remove 2X mounting screws

Carefully remove module

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Rotating Gobo Replacement

To remove both the static and rotating gobos from the wheel, removing the module is not required

Simply push from the top or bottom (whichever way pushes the holder out of its wheel position)

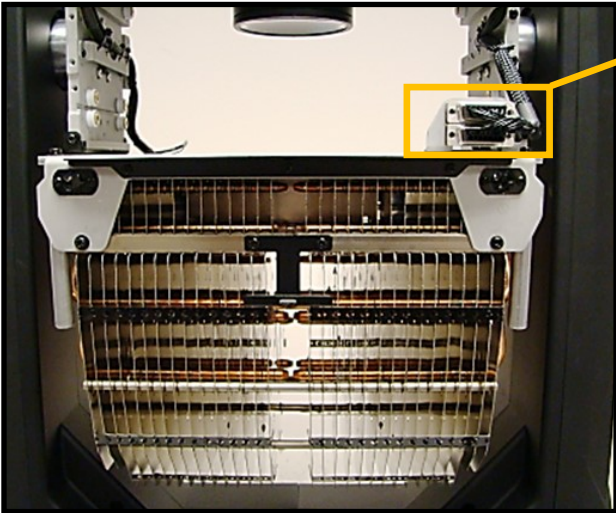And slide the holder out towards you

Each gobo is held in by a retaining spring, remove this and be sure to install the gobo with the coated (black side) **away** from the LED source

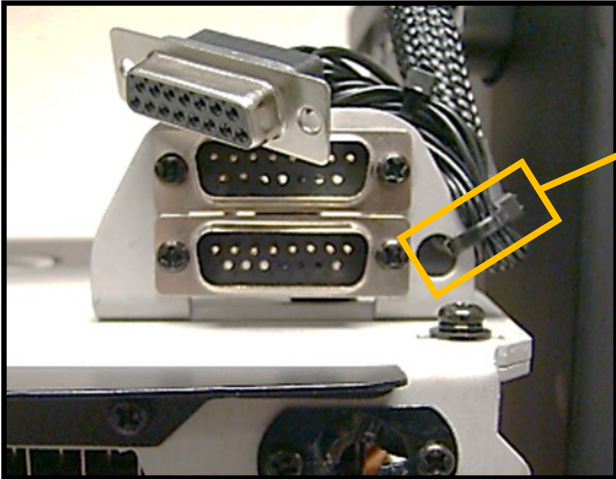Bars gobo holder contains the homing magnet sensor and must remain in the same position

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Removing LED Light Engine

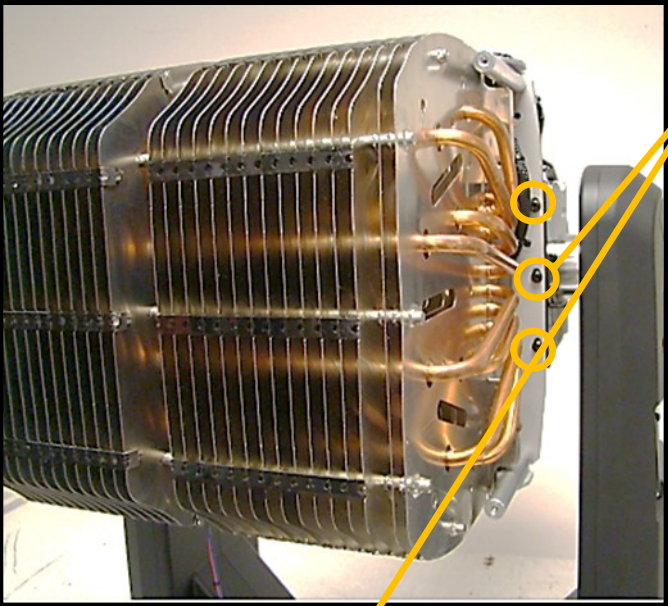Remove LED harness connector and be sure to **mark top connector before removing**

If connectors are reversed when plugged in, the LED can be damaged
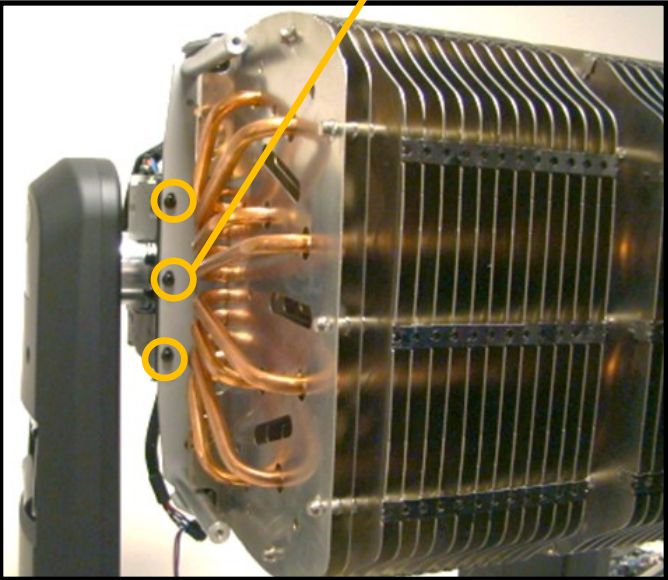

Remove harness tie wrap
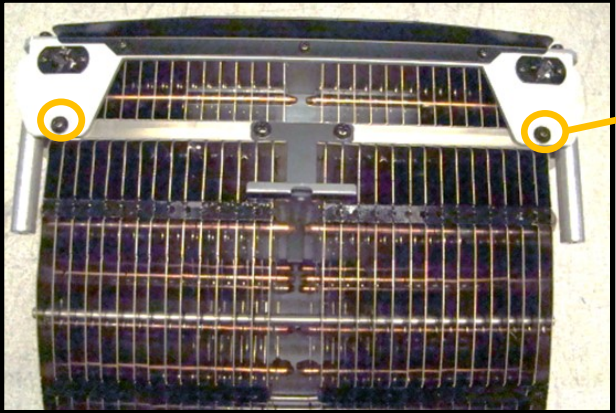
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Removing LED Light Engine

Remove 6X heatsink mounting screws, *3 on each side*

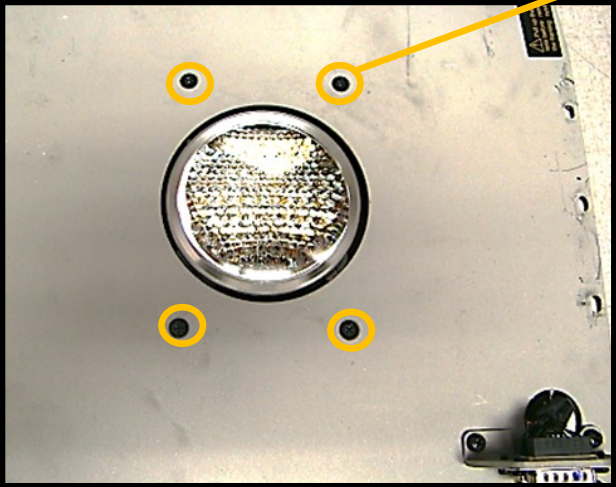Heatsink must be supported while removing these screws

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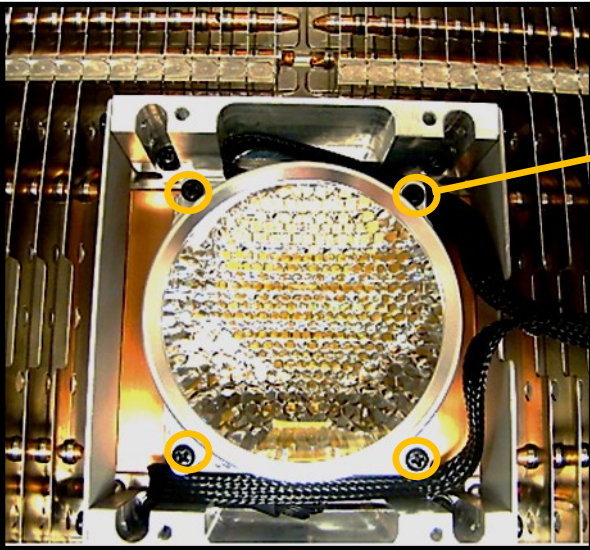
Removing LED Light Engine
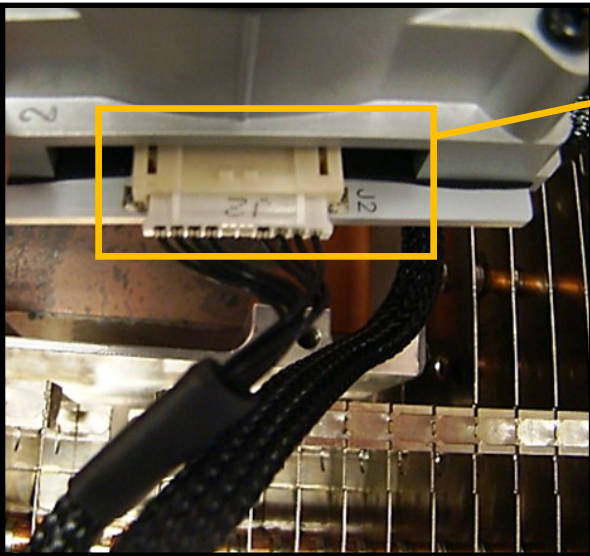

Remove 4X screws, *2 on each side*

Remove 4X countersink screws

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Removing LED Light Engine

Remove 4X LED mounting screws

Disconnect LED harnesses and note the connector labels

Match J1 and J2 to the harness when installing the new LED Light Engine

*Apply heatsink compound to the new LED Light Engine **before** installing*

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PCB Software Identifiers

PCB Software ID	Controls
1U	Display
2U	Pan, Tilt
3U	Focus, Frost, Prism, Zoom
4U	CMY, CTO, Static Gobo Wheel
5U	Animation, Color Wheel, Rotating Gobo Wheel
6U	Framing Blades 1 & 2, Iris
7U	LED Control
8U	Framing Blades 3 & 4, Framing Rotate