



# Rainbow Rigging Guide

# Solutions For Any Sized Problems

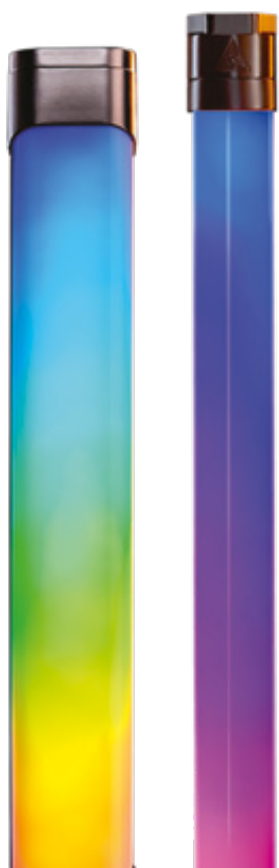
The **Rainbow 2** and **Double Rainbow** meet the unique demands of virtual and traditional productions with graceful ease.

Robust data management, VRGB profiles incorporating the specific challenges of **image-based lighting** (IBL), scalability for any sized production, and a next level color engine that delivers rock solid colors with fluid spectrum manipulation.

Whether you want a huge array of 8' linear LEDs to simulate the sky, or a slim multi-pixelated 2' eye light, the expansive versatility of the Rainbow 2 and Double Rainbow will blow you away.



# Rainbow Series



## Creative Agility, Ultimate Control

The Rainbow series is the vanguard in linear LED lighting for motion picture and content creation. From lighting actors to environments, Rainbows create realistic lighting with multiple individually controlled RGBX pixels that produce intense, high quality tunable white light or rich saturated RGB color. With super smooth, flicker free dimming and a sleek, compact shape to create powerful light even in small places [Rainbow 2](#) (R2) and [Double Rainbow](#) (RR) will become the workhorses of your set.

The Double Rainbow (RR) Linear LED, with its two rows of high fidelity RGBX pixels, creates realistic lighting with vibrant saturated colors and intense white light. A sleek shape provides a powerful light source using little space.

Wireless and wired data connections mean no data boxes, receivers or transmitters. Integrated Ossium Mounting System (OMS) rigging adapts to almost everything. AC/DC inputs for continuous power whenever and wherever.

### Highly accurate white light

CCT 1,750-10,000k with high color rendition (SSI up to 91, TM30 up to 94, CRI up to 95)

### Color Control

The unique RGBX Spectral Science Color Engine (RGBX SSCE) delivers a choice of more than one billion colors.

### Remote Control Options

Wired: DMX, sACN, Art-Net.  
Wireless: CRMX, W-DMX, Bluetooth, sACN and Art-Net

Unlock the full potential of your RR & R2 fixtures.  
Visit [quasarscience.com/pages/firmware](https://quasarscience.com/pages/firmware) to download



|              | Double Rainbow                         |  | Rainbow 2                              |  |  |
|--------------|--|--|--|--|--|
| Model        | RR50                                   | RR100                                  | Q25R2                                  | Q50R2                                  | Q100R2                                 |
| Part Number  | 925-2301                               | 925-2302                               | 924-2301                               | 924-2302                               | 924-2303                               |
| Available In | 2'                                     | 4'                                     | 2'                                     | 4'                                     | 8'                                     |
| Pixels       | 2 Rows of 10<br>= 20 Total             | 2 Rows of 24<br>= 48 Total             | 10 pixels                              | 24 pixels                              | 48 pixels                              |
| Wattage      | Max 50W                                | Max 100W                               | Max 25W                                | Max 50W                                | Max 100W                               |
| Weight       | 3.30lbs (1.5 kg)                       | 5.73lbs (2.6kg)                        | 1.76lbs (0.8kg)                        | 3.30lbs (1.50kg)                       | 5.84lbs (2.64kg)                       |
| Dimensions   | 22.7 x 3.34 in<br>(577 x 84.8 mm)      | 46.1 x 3.34 in<br>(1171 x 84.8 mm)     | 23 x 1.75 in<br>(584.2 x 44.45 mm)     | 46.9 x 1.75 in<br>(1161.7 x 44.45 mm)  | 90.86 x 1.75 in<br>(2307.8 x 44.45 mm) |
| Power (vac)  | 120vac = 0.45 amp<br>240vac = 0.25 amp | 120vac = 0.90 amp<br>240vac = 0.50 amp | 120vac = 0.25 amp<br>240vac = 0.13 amp | 120vac = 0.45 amp<br>240vac = 0.25 amp | 120vac = 0.90 amp<br>240vac = 0.50 amp |
| Power (vdc)  | 12vdc = 4.50 amp<br>24vdc = 2.30 amp   | 12vdc = n/a<br>24vdc = 4.80 amp        | 12vdc = 2.50 amp<br>24vdc = 1.30 amp   | 12vdc = 4.50 amp<br>24vdc = 2.30 amp   | 12vdc = n/a<br>24vdc = 4.80 amp        |

# Ossium Mounting System



## Ossium baby pin

Included with every purchase of an RR or R2, the [Ossium Baby Pin](#) allows for rigging with C-Stands, Gobo Heads, and most traditional hardware on set. Our dual screw design insures a sturdy hold every time. Rig directly to the Ossium Rail, or to the Slider for easy movement of your rigging point.



## Ossium slider

The [Ossium Slider](#) expands the versatility of nearly every accessory in the Ossium Mounting System. Included with every RR and R2 purchased, the Slider is fitted to maneuver seamlessly along the Ossium Rail, and can be tightened to your preferred spot with the turn of a knob. Change your mounting point with ease when paired with the Ossium Baby Pin, Rotator, or Battery Plate. 4 1/4-20 threads allow for multiple accessories to be attached, allowing you to get the most out of the Ossium Mounting System.

## Sold Separately:



## Ossium rotator

Sold separately in the Ossium Mounting System is the [Ossium Rotator](#), which acts as a mini-grip head, giving you the most flexibility in positioning your lights or batteries. Screw directly to the Rail, Slider, or even the Battery Plate, allowing you to attach your batteries to any 5/8" or 3/8" rod. Screw two Rotator Blocks back to back, giving you two swivel points on two separate axes.



## Ossium battery plate

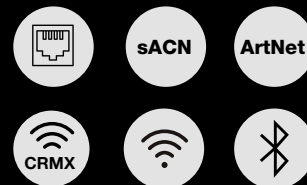
The [Ossium Battery Plate](#) is a must have when filming on-the-go or without access to AC power. Easily attach directly to the Ossium Rail or to the Slider, allowing you to seamlessly rig your batteries to the back of the light. No need to re-rig a light when the internal battery dies, simply swap out the dead battery and roll camera!



## Ossium magnets

Who needs stands? With the [Ossium Magnets](#), sold in sets of two (2), turn any ferrous metal surface into your ideal rigging point. Perfect for warehouses and sound stages, or simply for anyone who doesn't want to lug around grip gear. Fitted with 1/4-20 threads, the Magnets sturdily attach to the Ossium Rail or Slider.

# Network Hardware and Software Make It Easy.



Whether it's virtual or conventional, today's data driven lighting set-ups demand a level of communication and versatility that the Rainbow Series has in spades. The Rainbow 2 and Double Rainbow are packed with hardware and software features for any and all needs. Multiple built-in ethernet ports for DMX in and out. Ethernet Nodes and Switches. The Rainbow Series makes any network architectural configuration an easy possibility. Wired DMX, sACN and ArtNet, wireless CRMX, Bluetooth, W-DMX and WiFi, provide you with any professionally used data management protocol at your disposal. And no matter if it's part of a permanent rig or a last second addition, you can do it fast with the Rainbow.

## Simplified Control



Quickly adjust standard parameters from color and intensity to FX with [starCTRL](#).

- Fingertip control of lamp color and intensity
- Quickly adjust color and temperature with presets
- Access all Rainbow series effects

Rainbow tubes run in single-pixel mode for intuitive lamp control. Recall preset colors and color temperatures onto a fixture or group to make popular choices even faster.

FX gives you access to every Rainbow series effect: Rainbow, Short Circuit, Paparazzi, Strobe, Fire and Emergency Light.



Download on the  
App Store



# Ossium Shells



## See the Bigger Picture

Shape a bigger image with a bank of pixelated Rainbows lights encased in an ultra-flexible shell. The Rainbow [Ossium Shells](#) supersize RGBX pixel control in a format that's mercifully simple to rig and manipulate on set.

Banking Rainbows creates a larger canvas to paint with. Up to 4ft wide and conveniently low-profile, an Ossium Shell brings Hollywood lighting without the demands for extra space or fuss. Paint your world with intense white light or deeply saturated color. Or light with an image using individual pixel mapping. The sky's not the limit it's an option.



## The Power of Many Acting as One

- Control shape and spill with articulated Shell
- Secure tubes quickly into a bank using Ossium Plate
- Ossium Baby Pin included for rigging
- Includes Rainbow 2 or Double Rainbow tubes
- High quality tunable white light and high RGB color saturation
- Bank of individually addressable pixels
- Direct connect every industry standard wired and wireless control option
- Super G Multi Axis Mounting System included with 4ft 4-bank models to give maximum control over tilt, pan and rotation



## RAINBOW 2

| Model             | 2ft 2-bank  | 2ft 4-bank  | 4ft 2-bank  | 4ft 4-bank   |
|-------------------|---|---|---|--|
| US Part Number    | 924-5223  | 924-5243  | 924-5423  | 924-5443   |
| EU Part Number    | 924-5221  | 924-5241  | 924-5421  | 924-5441   |
| UK Part Number    | 924-5222  | 924-5242  | 924-5422  | 924-5442   |
| <b>Dimensions</b> | 28.3 x 9.4 x 8.7 in<br>(720 x 240 x 220 mm)   | 28.3 x 10.6 x 9.1 in<br>(720 x 270 x 330 mm)  | 52 x 9.4 x 8.7 in<br>(1320 x 240 x 220 mm)  | 52 x 10.6 x 9.1 in<br>(1320 x 270 x 330 mm)  |
| <b>Weight</b>     | 10.3 lb / 4.65 kg   | 15.7 lb / 7.1 kg  | 14.7 lb / 6.65 kg   | 26.5 lb / 12 kg  |
| <b>Includes</b>   | (2) Rainbow 2 Linear LED Light - 2', (1) 2' 2-Bank Polyshell c/w dual plate, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 2-Bank | (4) Rainbow 2 Linear LED Light - 2', (1) 2' 4-Bank Polyshell c/w quad plate, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 4-Bank | (2) Rainbow 2 Linear LED Light - 4', (1) 4' 2-Bank Shell c/w Ossium Plate, 2-Bank, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 2-Bank | (4) Rainbow 2 Linear LED Light - 4', (1) 4' 4-Bank Shell c/w Ossium Plate, 4-Bank, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 4-Bank, (1) Super G Mounting System |

## DOUBLE RAINBOW

| Model             | 2ft 2-bank   | 2ft 4-bank   | 4ft 2-bank   | 4ft 4-bank  |
|-------------------|--|--|--|---|
| US Part Number    | 925-5223   | 925-5243   | 925-5423   | 925-5443  |
| EU Part Number    | 925-5221   | 925-5241   | 925-5421   | 925-5441  |
| UK Part Number    | 925-5222   | 925-5242   | 925-5422   | 925-5442  |
| <b>Dimensions</b> | 28.3 x 9.4 x 8.7 in<br>(720 x 240 x 220 mm)  | 28.3 x 10.6 x 9.1 in<br>(720 x 270 x 330 mm)   | 52 x 9.4 x 8.7 in<br>(1320 x 240 x 220 mm)   | 52 x 10.6 x 9.1 in<br>(1320 x 270 x 330 mm)   |
| <b>Weight</b>     | 10 lb / 4.5 kg   | 15.2 lb / 6.9 kg   | 14.7 lb / 6.65 kg  | 25.4 lb / 11.5 kg   |
| <b>Includes</b>   | (1) Double Rainbow Linear LED Light - 2', (1) 2' 2-Bank Shell c/w Ossium Plate, 2-Bank, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 2-Bank | (2) Double Rainbow Linear LED Light - 2', (1) 2' 4-Bank Shell c/w Ossium Plate, 4-Bank, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 4-Bank | (1) Double Rainbow Linear LED Light - 4', (1) 4' 2-Bank Shell c/w Ossium Plate, 2-Bank, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 2-Bank | (2) Double Rainbow Linear LED Light - 4', (1) 4' 4-Bank Shell c/w Ossium Plate, 4-Bank, (1) Ossium Baby Pin, (1) Multibank Power Adaptor, 4-Bank, (1) Super G Mounting System |

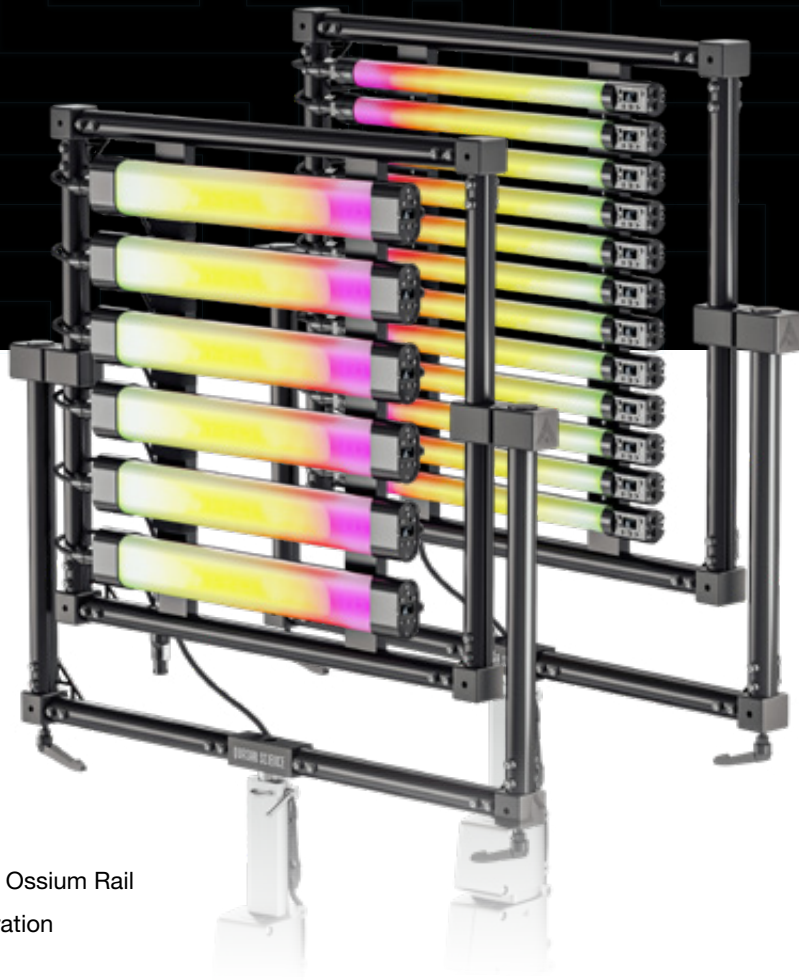


# Ossium Frames

## Frame Your World in a Whole New Light

Rig faster, look good, make friends. [Ossium Frame](#) Arrays are the simple surround for elaborate image-based lighting, and the perfect flank to a virtual set.

- Solid Ossium Frame supports array of Rainbow tubes
- Rainbow 2 and Double Rainbow bolt on using integrated Ossium Rail
- High quality tunable white light and high RGB color saturation
- Stacked array of individually addressable pixels
- Direct connect of every industry standard wired and wireless control option
- Frame includes yoke with Jr Pin for rigging

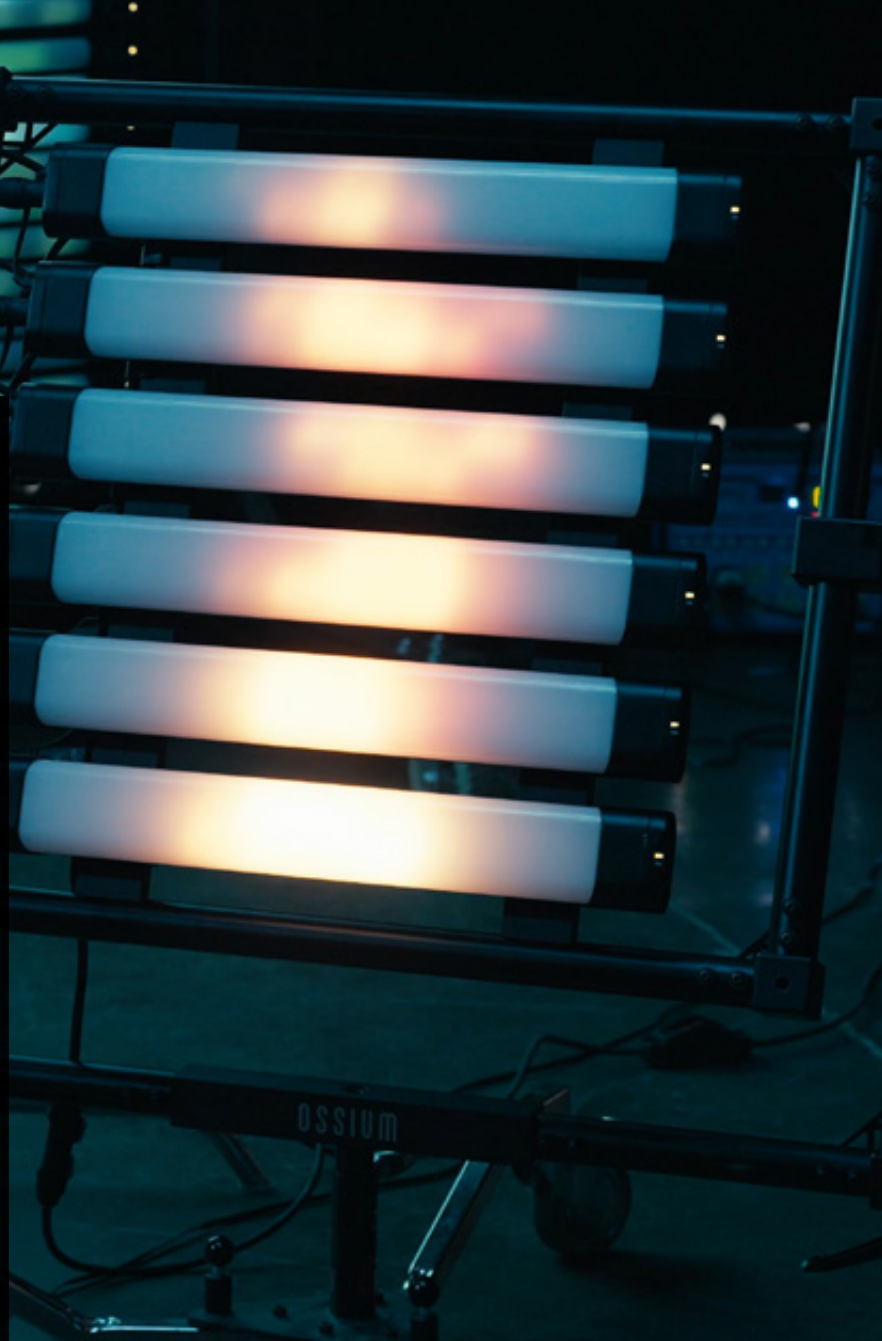


## Build a Wall of Pixels With Smarter Rigging

Combine Rainbow tubes into stacked arrays to create a wall of light. Both Rainbow 2 and Double Rainbow bolt on using the integrated Ossium Rail, supported by the solid Ossium Frame. Power up with the included multibank adaptor, and add data for dynamic control of your lighting array. Direct Connect of every industry standard wired and wireless control option from DMX and Bluetooth through to sACN. Simple to set up, with the power to be complex in all the right ways.

# Unleash the Power of Image-Based Lighting

Design light that's as dynamic as any world – real or virtual. Each pixel in the stacked array receives its own unique data, allowing the Rainbows to produce dramatic image-based lighting at scale. This is beautiful, full spectrum image-based lighting that illuminates your scene with integrity. Add in Quasar's unique VRGB profiles for virtual production engines, and the ability to render in sync with a volume wall and you have the key to virtual production realism in your wall of lights.

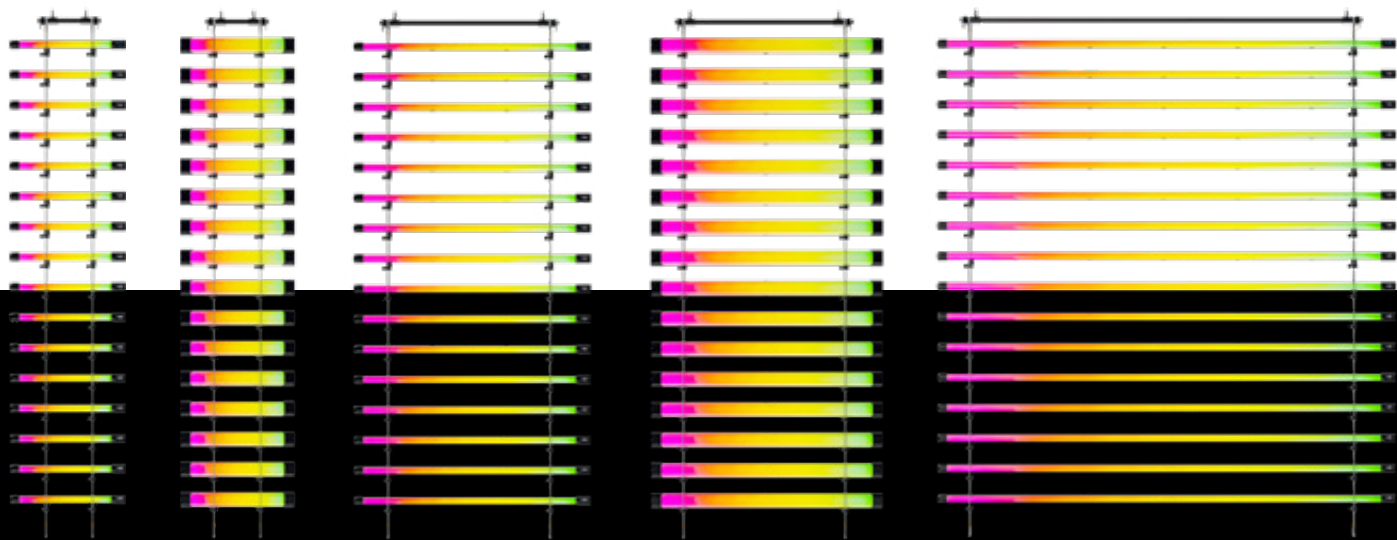


| Model                 | Rainbow 2 – 12 x 2ft  | Rainbow 2 – 12 x 4ft  | Double Rainbow – 6 x 2ft   | Double Rainbow – 6 x 4ft   |
|-----------------------|---|---|--|--|
| <b>US Part Number</b> | 924-2123  | 924-4123  | 925-2063   | 925-4063   |
| <b>EU Part Number</b> | 924-2121  | 924-4121  | 925-2061   | 925-4061   |
| <b>UK Part Number</b> | 924-2122  | 924-4122  | 925-2062   | 925-4062   |
| <b>Dimensions</b>     | 40.2 x 39.8 x 2 in<br>(1020 x 1010 x 50 mm)   | 62.2 x 39.8 x 2 in<br>(1580 x 1010 x 50 mm)   | 40.2 x 39.8 x 2 in<br>(1020 x 1010 x 50 mm)  | 62.2 x 39.8 x 2 in<br>(1580 x 1010 x 50 mm)  |
| <b>Weight</b>         | 60.9 lb / 27.6 kg   | 97 lb / 44 kg   | 44 lb / 20 kg  | 77 lb / 35 kg  |
| <b>Includes</b>       | (12) Rainbow 2 Linear LED Light - 2', (1) 2' Ossium Frame (OS212), (1) Multibank Power Adaptor, 12-Bank | (12) Rainbow 2 Linear LED Light - 4', (1) 4' Ossium Frame (OS412), (1) Multibank Power Adaptor, 12-Bank | (6) Double Rainbow Linear LED Light - 2', (1) 2' Ossium Frame (OS212), (3) Multibank Power Adaptor, 2-Bank | (6) Double Rainbow Linear LED Light - 4', (1) 4' Ossium Frame (OS412), (3) Multibank Power Adaptor, 2-Bank |

# Ossium Ladder

## Smarter Rigging for Dynamic Lighting

The [Ossium Ladder](#) is a lightweight, flexible system designed to hang from any overhead fixing point. Precision-designed for agility and versatility, it presents a rapid way to effortlessly rig up to sixteen 2', 4', or 8' tube lights together for a powerful wall of light.

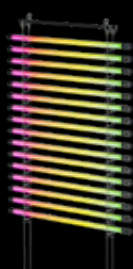


## Virtual Production Ready

Virtual production is even more accessible with the Ossium Ladder and connected Rainbow fixtures. Quickly build a wall of light to complement LED volumes, creating dynamic IBL with no extra LED walls. Benefit from a higher output, full-spectrum light source that seamlessly integrates and matches your video color space. Control up to 768 addressable pixels, offering unprecedented versatility in your lighting setups. With a max power draw of 1600W from 16 Rainbow fixtures, the Ossium Ladder ensures a powerful and efficient lighting solution for your virtual production.

# Up to the Rigors of Rigging

Crafted by rigging professionals in collaboration with G-Force Grips, the Ossium Ladder boasts robust construction using high-quality materials. Despite its lightweight nature, it withstands the rigors of set life, offering a reliable and durable solution.



| Configuration    | 2ft-Setup   | 4ft-Setup  | 8ft-Setup   |
|------------------|---|--|---|
| Part Number      | 929-0250  |  |   |
| Setup Dimensions | L12.3 x H104.8 x D3.7 in<br>L1.03 x H8.74 x D0.30 ft<br>L314 x H2663 x D94 mm   | L35.3 x H104.8 x D3.7 in<br>L2.94x H8.74 x D0.30 ft<br>L897 x H2663 x D94 mm | L79.5 x H104.8 x D3.7 in<br>L6.63 x H8.74 x D0.30 ft<br>L2021x H2663 x D94 mm |
| Weight           | 15.5 lbs  | 16.5 lbs   | 17 lbs  |
| Max. Load        | 330 lbs   |  |   |
| Includes         | <ul style="list-style-type: none"> <li>• 16x 929-0251 Ossium Ladder Bracket (32 pcs total)</li> <li>• 1x 929-0253 Ossium Ladder 8' Cables (4pcs total)</li> <li>• 1x Ossium Ladder Lift Bar (inc rod lengths to create 2/4/8' bar)</li> <li>• 1x Hex Wrench set <i>Lights not included &amp; must be purchased separately.</i></li> </ul> |  |   |

All weights and dimensions are without lights

# Expanded Control

[Image-based lighting](#) in virtual production offers a dynamic and efficient way to create high-quality, immersive virtual environments, making it a valuable tool for modern filmmaking and content creation. It allows filmmakers to explore creative possibilities and enhance the realism of their projects while streamlining the production process.

Our Rainbow Series in combination with Assimilate Live FX offers a simplified and scalable solution for incorporating image-based lighting into any workflow.

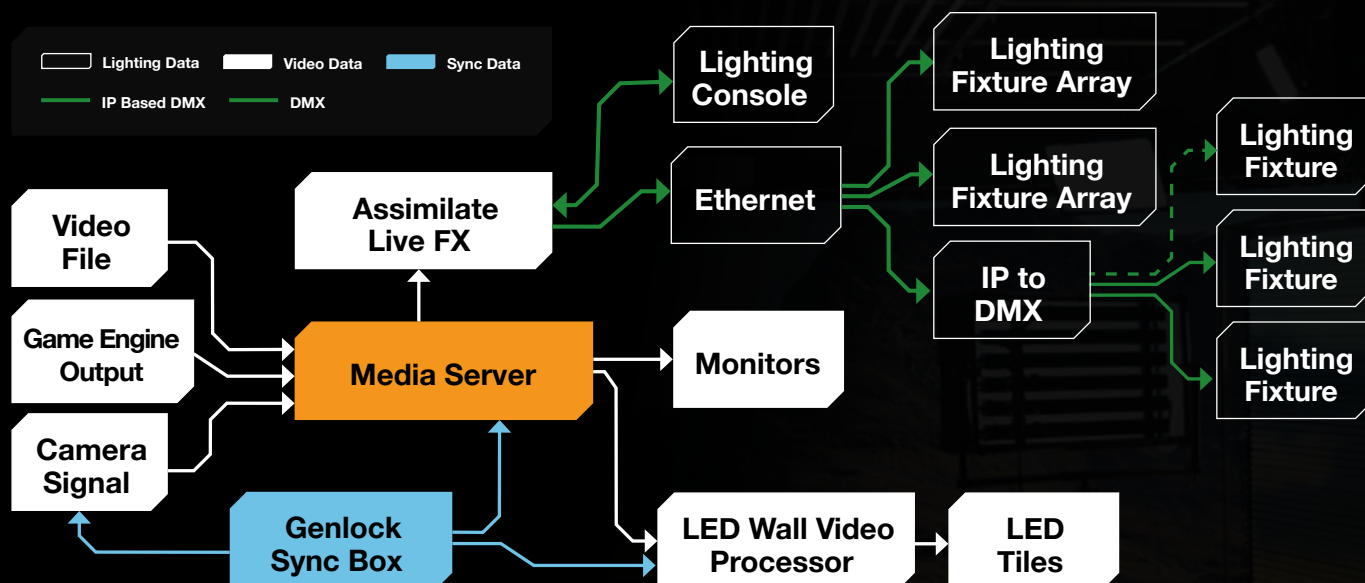


# Integrated Media Server Workflow

Image-based lighting in virtual production offers a dynamic and efficient way to create high-quality, immersive virtual environments, making it a valuable tool for modern filmmaking and content creation.

With robust data management, VRGB profiles enabling seamless synching with LED walls and a next level color engine, our [Rainbow Series](#) in combination with a live compositing tool offers a simplified and scalable solution for incorporating [IBL](#) into any workflow.

There are a range of software solutions for integrating IBL into a virtual production. We feature [Assimilate's Live FX](#) software because it's proven to work with the Rainbow Series to offer a simple and scalable solution for creating stunning real-time visual effects and immersive lighting.



[Download lighting console fixture profiles for free.](#) Including: Assimilate Live FX, HOG 4, grandMA and EOS Platform.

# Bespoke Solutions

These are our most popular configurations, but Quasar customers are known for their ingenuity and have rigged our lights in a raft of different ways.

For information regarding bespoke solutions, or to make an enquiry please contact our sales team at

[salesusa@videndum.com](mailto:salesusa@videndum.com).

