RGBW Full Spectrum

Brompton TrueLight® Tech

VIRTUAL PRODUCTION

Realism, Perfected.

True-to-Life Light

HOLODECK™

HOLOSKY ™

TRUE LIGHT®

HOLODECK HoloSky™

Innovative

In the world of virtual production, the ceiling is the final frontier. It's the source of light, the sky, the atmosphere—the critical element that bathes your scene in realism.

A standard LED ceiling can display an image, but the **HoloSky™** does more; it transforms the ceiling into a dynamic, precision lighting instrument. It's engineered not just to be looked at by a camera, but to actively paint your set and talent with authentic, responsive light, seamlessly bridging the gap between the digital world and the physical stage.

VISION CREATION

WWW.HOLODECKLED.COM

HoloSky™

Pixel Pitch
3.9mm, 5.9mm, 7.8mm

Product Features

Die-cast Aluminum
Magnesium or Carbon Fiber options

Virtual Production Grade
RGBW Full Spectrum

Innovative Processing
Brompton TrueLight® Technology

Brightness
5000 NITS

Panel Dimensions
500x1000mm

3840Hz Refresh Rate

Advanced Heat-Management
Eliminate Heat-Spot +
Unparalleled Brightness

Color Fidelity

TLCI > 90%, CRI > 90%

Master Your Color Pipeline

Lighting is the language of cinema. The **HoloSky™** allows you to speak it with perfect fidelity. The challenge for every Director of Photography in a virtual environment is trusting the light source. With our full-spectrum RGBW diode structure, that trust is built in.

The addition of a dedicated white LED moves beyond the limitations of standard RGB, allowing for the creation of pristine, untinted whites and a vastly expanded color gamut. This translates to skin tones rendered with breathtaking accuracy and environmental light that captures every subtle hue. With a TLCI and CRI exceeding 90%, what you see on set is precisely what you get in your final render.

RGB + W - Full Spectrum IBL Lighting
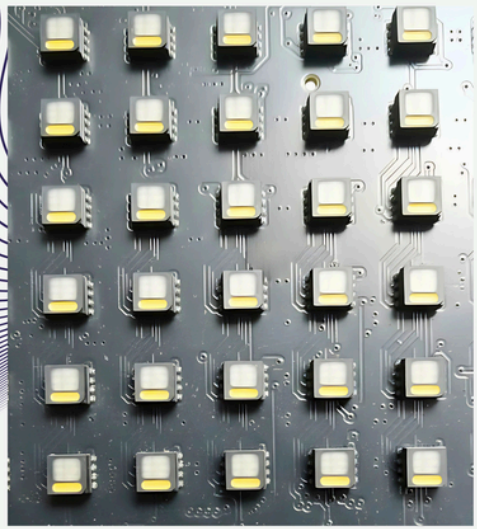
Buttery smooth gradient control and superior dithering elimination, especially under 5% brightness with PANTONE® validated colors

PANTONE
Validated

PANTONE
SkinTone
Validated

Stop simply containing your scenes

Start Illuminating Them

The HoloSky™, powered by Brompton's industry-leading TrueLight® technology, redefines the ceiling as an active, creative tool.

It excels at Image-Based Lighting (IBL), casting reflections and ambient light from the virtual world onto real-world objects and actors with stunning realism.

Imagine the glint of a virtual explosion authentically reflecting off an actor's helmet, or the soft, shifting light of a CG sky casting accurate shadows. Brompton processing ensures that every gradient is rendered with buttery-smooth precision, free of banding or artifacts, even at the lowest brightness levels.

## Engineered for the Speed of Production

The most advanced technology is useless if it slows you down.

We designed the HoloSky™ with the practical realities of a fast-paced production environment in mind.

- **Agile & Lightweight:** The advanced chassis, constructed from die-cast aluminum or carbon fiber, is incredibly robust yet lightweight, simplifying rigging.

- **Flexible by Design:** Whether you need a fully encapsulated ceiling or a partial rig that tilts for key lighting, its flexible design gives gaffers control.

- **Flawless On-Camera:** A blazingly fast refresh rate ensures your footage is completely free of flicker or moiré, no matter the camera or frame rate.
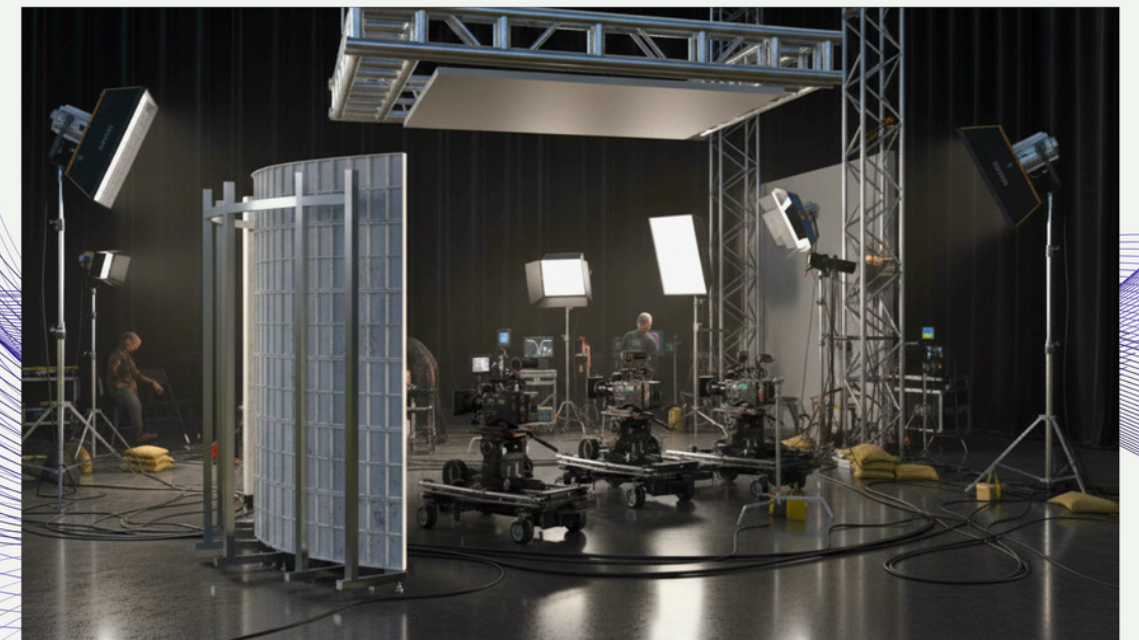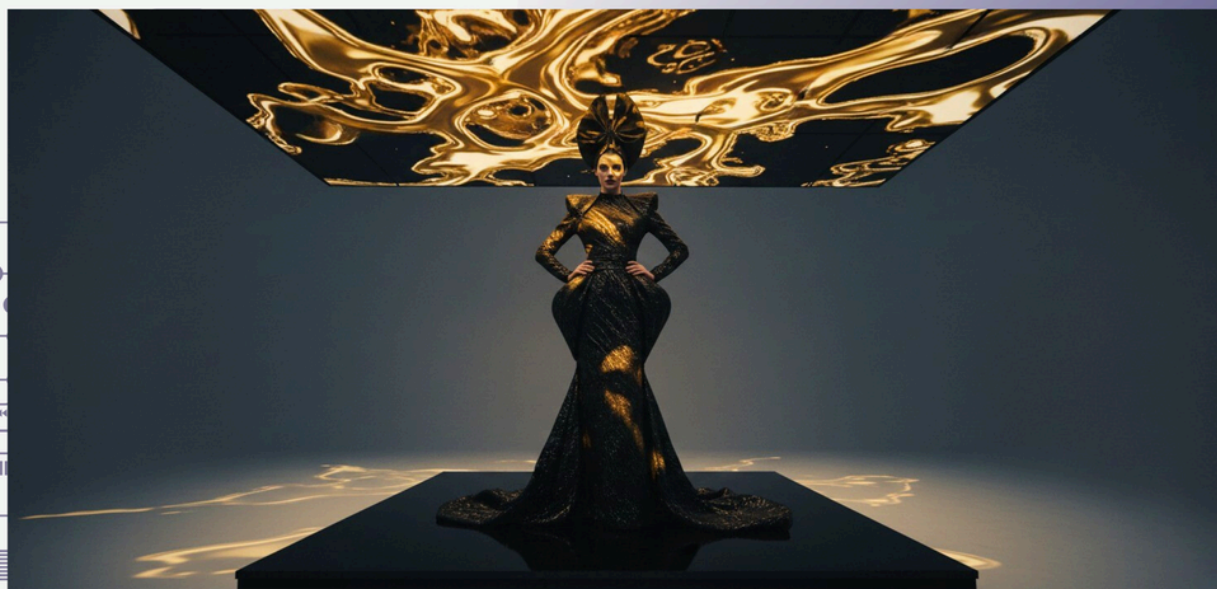
HOLODECK HoloSky™ Series
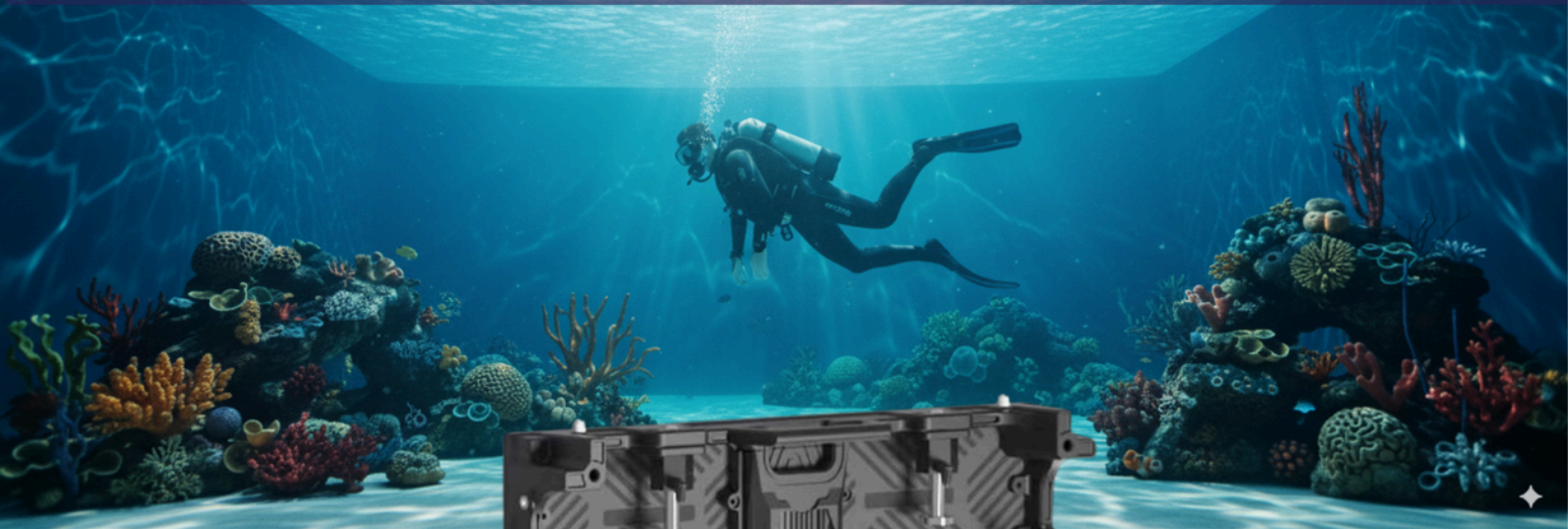
Clean Cable Management

Panel / Tile
500x1000mm

Technical Specifications

	HoloSky™ 5	HoloSky™ 7
PANEL & MECHANICAL		
Pixel Pitch	5.9 mm	7.8 mm
Panel Dimensions (WxH)	500×1000 mm	500×1000 mm
Panel Resolution (WxH)	85×169 pixels	64×128 pixels
Panel Weigth	14KG (31 lbs)	
Chassis Material	Aluminum Die-cast	
Serviceability	Front Module / Rear Power Box	
OPTICAL PERFORMANCE		
LED Configuration	RGBW	
Brightness (Calibrated @ 6500K)	4500 - 5000 NITS	
Refresh Rate	3840 Hz	
Contrast Ratio	8000:1	
Display Colors / Bit Depth	18Bit / 90% TLCI/CRI	
Gamut Coverage	DCI-P3 (up to 99.6%), BT.2020 (up to 90%)	
Viewing Angle (H/V)	>170° / >170°	
Theoretical Lifetime (L50)	<100,000 Hrs (Perfect Laboratory Environment)	
VIDEO & PROCESSING		
Receiver Card	Brompton R2	
Latency	<15 ms or <2 frames	
Control Software	Provided by Processor Vendor (Brompton)	
Supported Video Sources	DP, SDI, S-Video, Composite, HDMI, VGA, CVBS	
Working Voltage	110-240V AC, 50/60Hz	
ENVIRONMENTAL		
IP Rating	IP54	
Operating Temperature	+4° to +120° F	
Cooling System	Convection or Silent Fans	
CERTIFICATIONS		
Compliance	ETL, MET, CE, FCC, RoHS	

QUESTIONS?

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VIRTUAL PRODUCTION LINE

HOLOFLOOR™

HOLODECK™ VP

CREATION