P-3 VISION

HYBRID LED
DIRECT VIEW
AND WASH
FIXTURE

SGM

LIGHT AND PIXELS

WITH THE POWER OF SGM

The P-3 Vision is the first fixture released in the new 3 series platform of SGM Light fixtures. This revolutionary family of fixtures introduces numerous features and performance improvements which makes it unique amongst fixtures in this size class.

Incorporating a direct view pixel grid together with a top-quality illumination LED engine, the P-3 Vision is a game-changer in entertainment lighting. With these two LED arrays integrated in the same fixture, a designer can use the direct view matrix as a 42mm pitch LED screen and a >12,700 lumen luminaire in one.
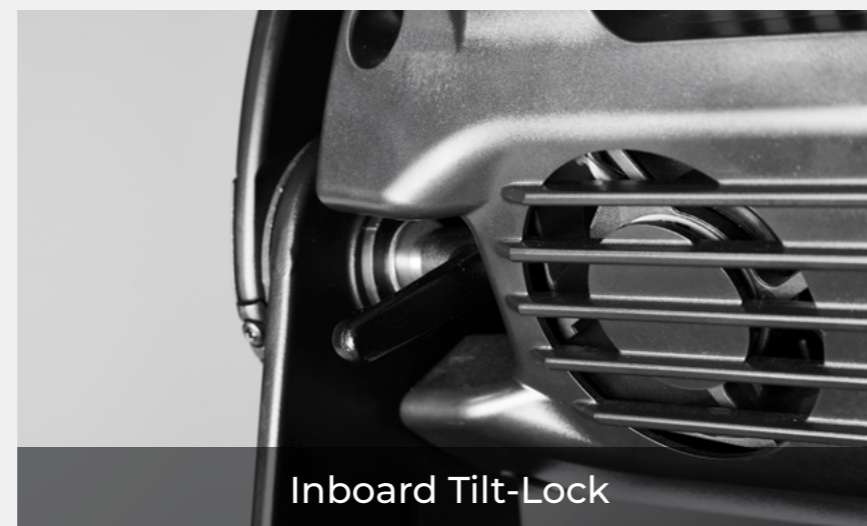
Arraying the P-3 Vision results in a stunningly powerful grid which brings together lighting and video pixel content like never before.

- 18 RGBW Illumination LEDs
- 28 Pixel Direct View LED Engine
- Over 13.000 peak Lumens on a 10 degree fixture
- DynaMix Scaling LED Drive System
- Fully Array-able Vertically and Horizontally
- 10°, 25°, or 35° native lensing
- 100-277VAC; 360 Watts Maximum
- DMX channels: 7 – 128
- IP66, 3G Vibration, IK09 Impact
- Wired/wireless DMX, sACN, Art-Net

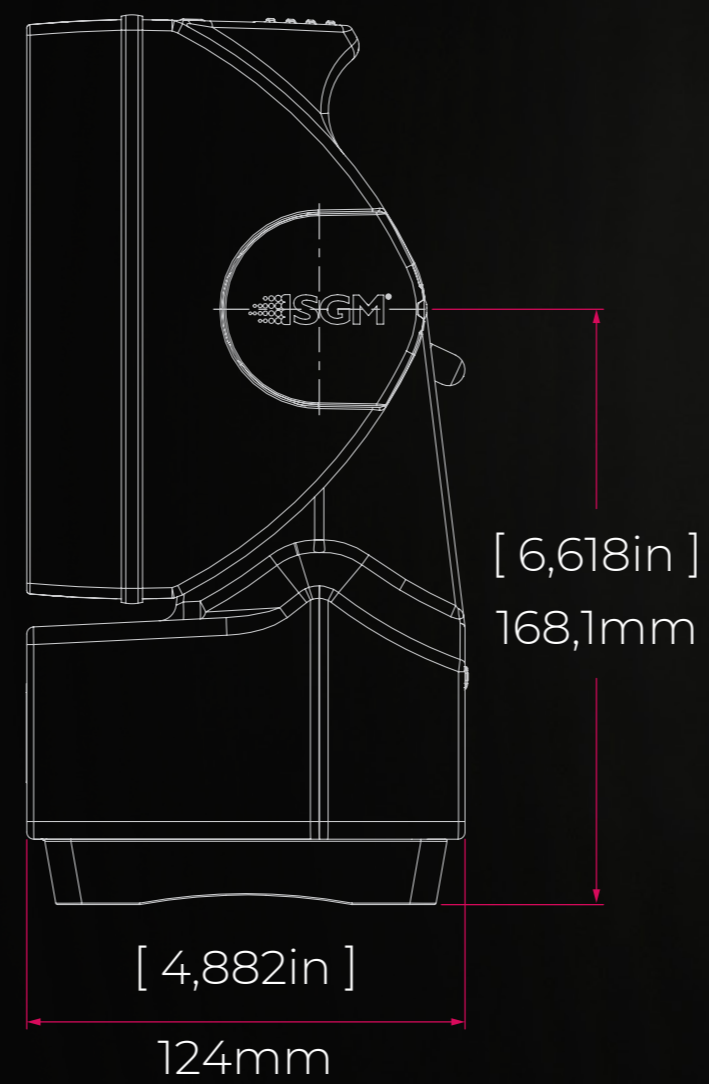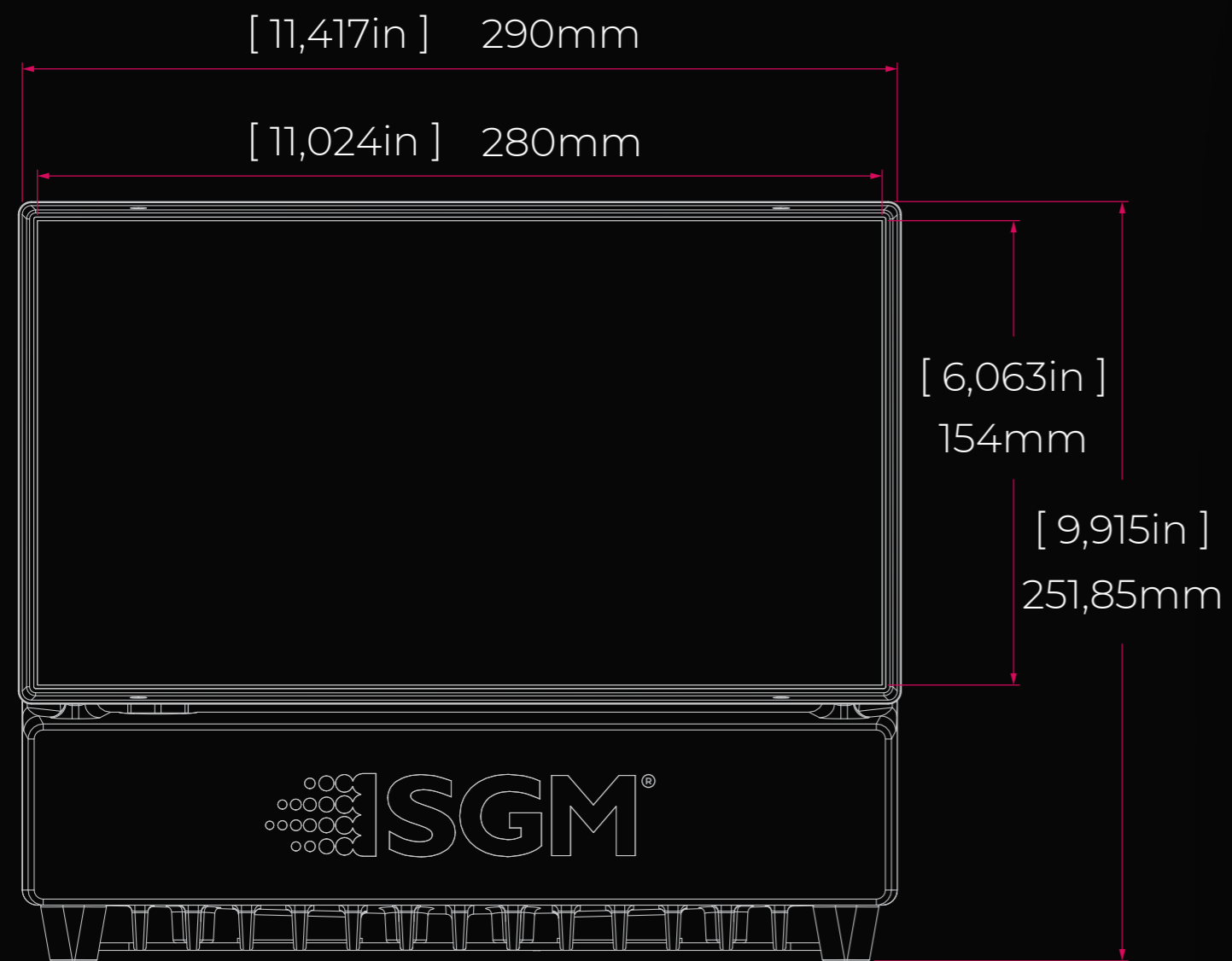Power, Ethernet, & DMX Connections

Inboard Tilt-Lock

OLED Display

Thin-Wall Bezel for Arraying

DIMENSION DRAWINGS

[11,417in]   290mm

[11,024in]   280mm

[6,063in]
154mm

[9,915in]
251,85mm

[6,618in]
168,1mm

[4,882in]

124mm

NEW VISION
NEW POSSIBILITIES

The new Video Pixel matrix in the P-3 Vision is a 28 Pixel, 42mmx42mm LED array. Designed to produce standalone effects or be arrayed in grids and shapes with arraying accessories, the P-3 Vision is a new type of lighting AND video tool in one. The VP pixels are identical to the pixels in the SGM Light VPL series, and can run on the same data network. This allows P-3 Vision and VPL to be mixed and matched to provide multiple options and incredible design flexibility.

All SGM fixtures make use of SGM Light's industry leading calibration, TruColor. The calibration ensures that all LEDs are calibrated and matched to each other. This ensures that arraying the P-3 will result in a seamless result with no color aberrations.
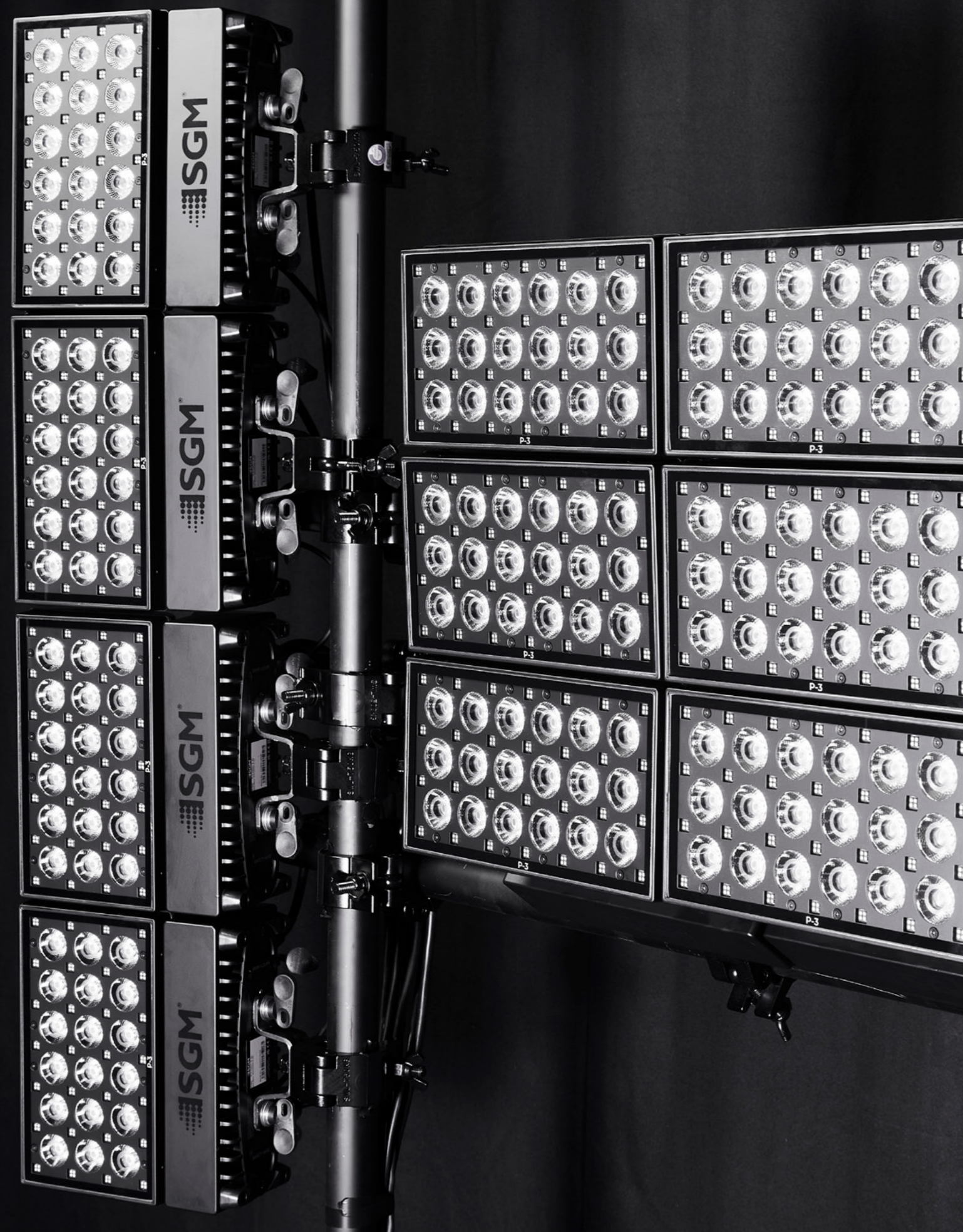
# INCREDIBLE DESIGN **FLEXIBILITY**

The VP pixels in the P-3 Vision are identical to the pixels in the SGM Light VPL series and can run on the same data network. This allows P-3 Vision and VPL to be mixed and matched to provide multiple options and incredible design flexibility. Hybrid control of multiple data streams gives the production team incredible flexibility to integrate video and lighting.
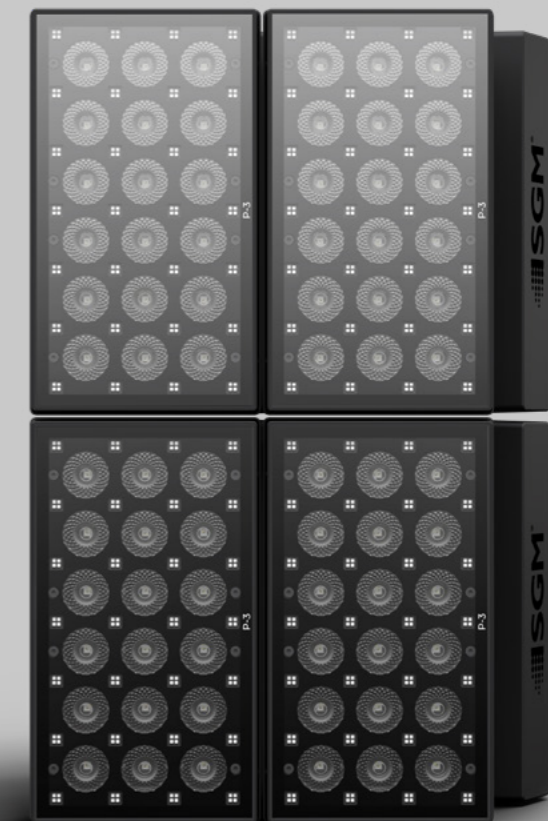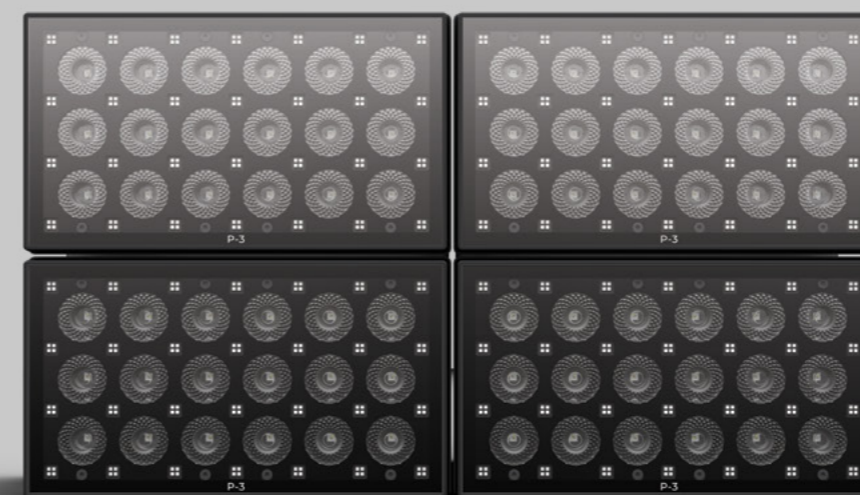
MAXIMUM POWER & EFFICIENCY

The P-3 Vision is the latest product to feature the **Dyna**Mix® Engine. **Dyna**Mix® is a scalable drive design which brings an unprecedented level of output to all new SGM Light products. LED engines with **Dyna**Mix® can utilize the full power capacity of a power source in any combination of drive channels. What does this mean? Essentially a huge boost in output. Not only in single channels of color, but also in mixed colors.

DynaMix® is made possible by using larger, more powerful LEDs than would normally be chosen at a given power rating. When combined with our active and passive **Thermal**Drive® cooling designs and the industry leading SGM Light calibration method, **True**Color®, the result is a completely optimized drive system which fully utilizes the maximum performance of every part of the fixture.

TruColor®
High Color Rendering
Enhanced Color Engine

ThermalDrive®
Advanced Temperature
Control Hybrid Cooling
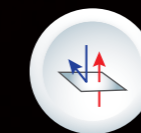
DryTech®
Integrated Dehumidification
Active Moisture Removal

DualSource®
2 Independent Light Sources
Optimized Power Management

CLICK ON THE PLAY BUTTON AND WATCH THE NEW P-3 VISION PRODUCT VIDEO

The video will be played in a new tab in your browser.

PIXEL SYSTEM
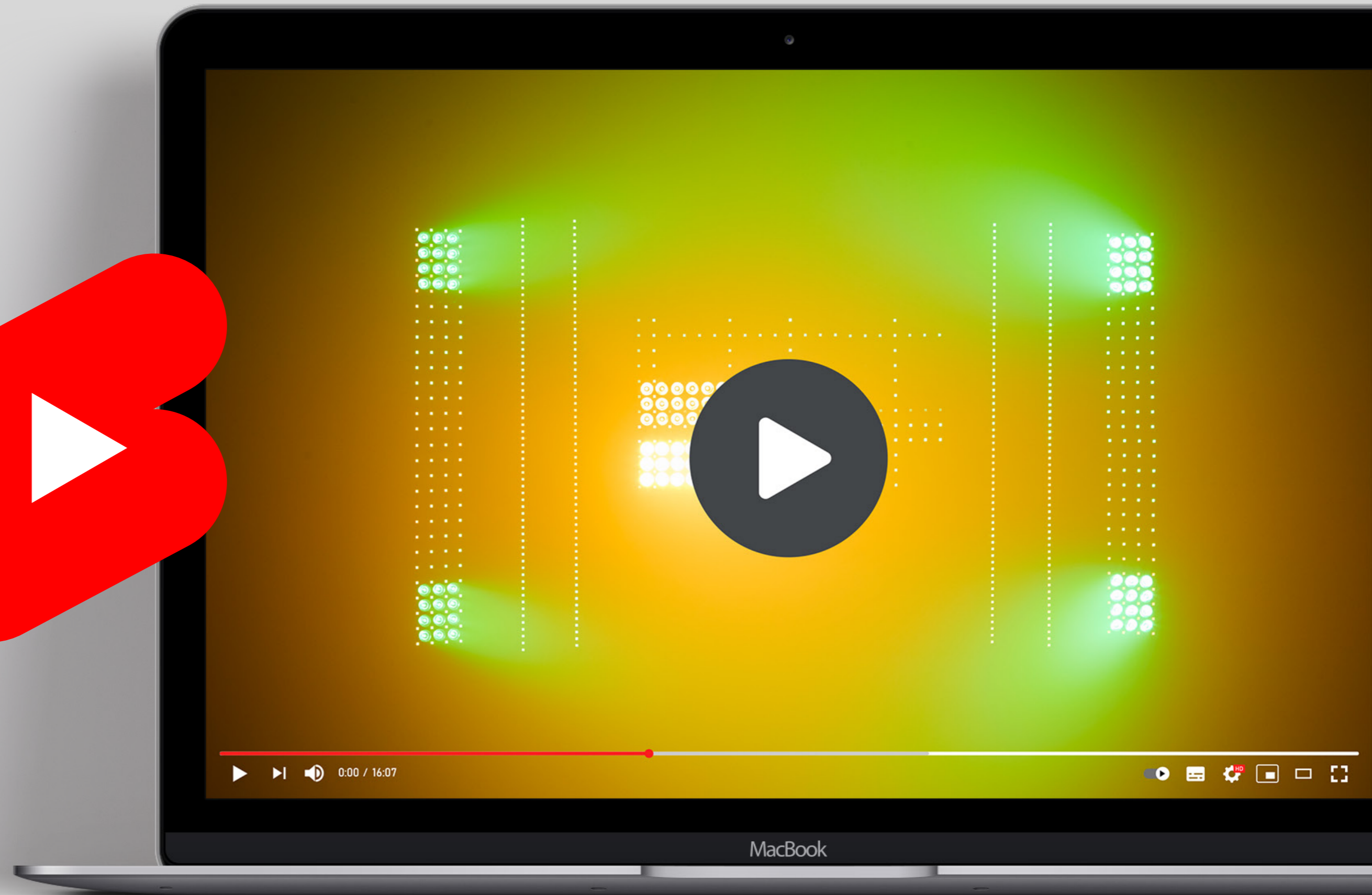
Pixels and Light combine with the new P-3 Vision and Touring VPL!

The VP pixels in the P-3 Vision are identical to the pixels in the VPL series and can run on the same data network. This allows P-3 Vision and VPL to be mixed and matched, providing incredible flexibility for your next show.

Alex Vargas - Train
Aarhus, Denmark
12 x P-3 Vision

P-3 VISION - HYBRID LED DIRECT VIEW

THE NEXT GENERATION OF SGM WASH FIXTURE

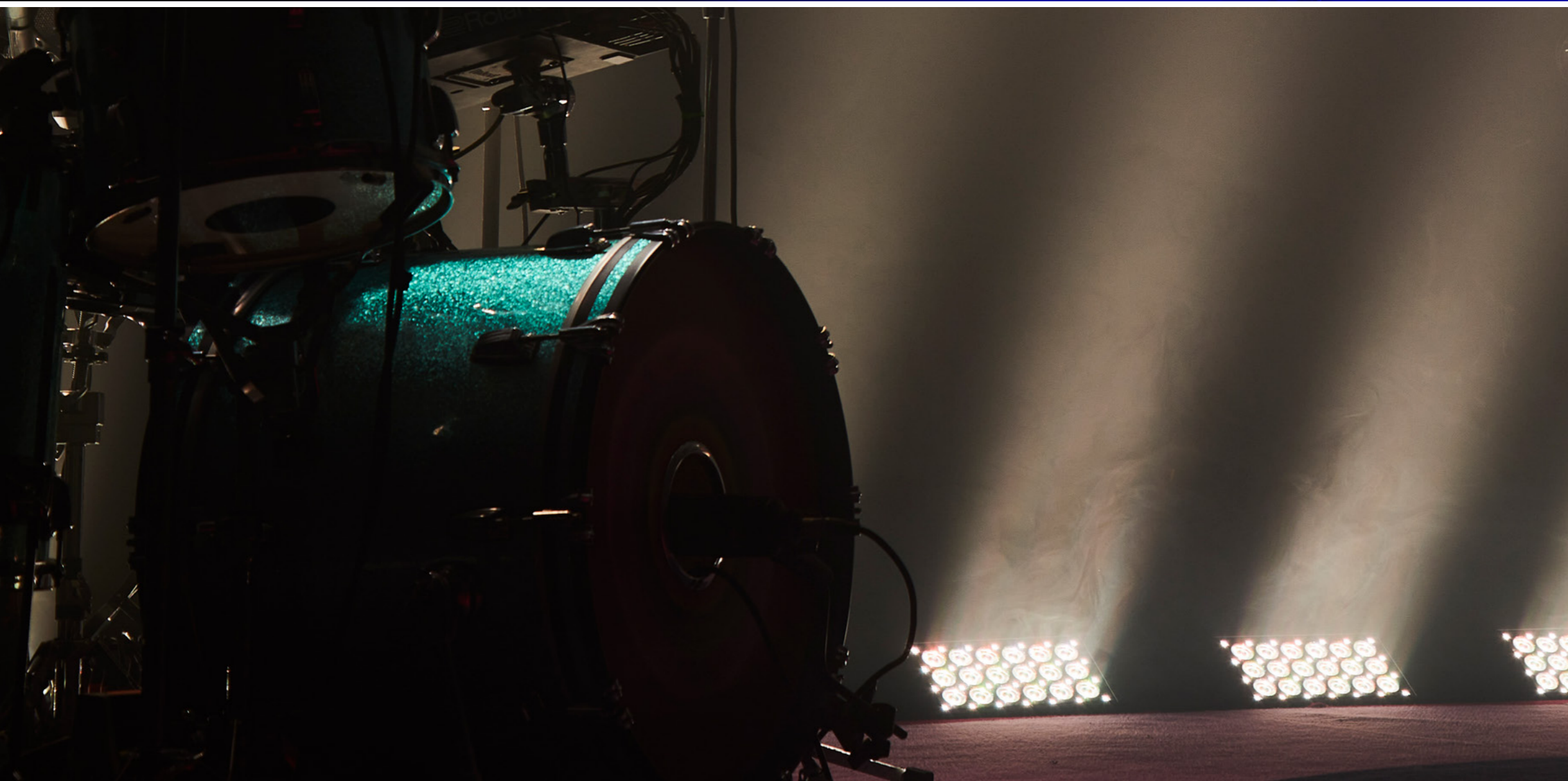The P-3 Wash is part of the revolutionary family of SGM Light 3 Series fixtures. The 3 Series introduces numerous features and performance improvements which makes it unique amongst fixtures in this size class. Incorporating a >12,700 lumen illumination LED engine this compact powerhouse can be used as a color strobe or for illumination.

- Illumination LED Engine: 18 x 15W RGBW
- >12,700 peak lumens
- CTC: 2,000k - 10,000k
- Beam angle: 10°, 25° and 35°
- Power input: 100-277V
- Max. power: 340 Watts
- Control: sACN/Art-Net, wired/wireless DMX
- IP rating: IP66
- Active dehumidification
- Accessories: Filter frame

P-3 WASH

SPECFICATIONS

OPTICAL DATA

LED expected lifetime	50,000 hours
Lightsource	28 x RGB Clusters (112 total RGB LEDs) (Vision verion only)
	18 x 15W RGBW LEDs
Native lens options	10°
	25°
	35°
Pixel size	6 x 6 mm Quad LED Pixel Clusters

PHOTOMETRIC

Native beam angle(s)	10° (with 10° lens)
	25° (with 25° lens)
	35° (with 35° lens)
Preliminary light output all LEDs on - Vision	13000 lm
Preliminary light output all LEDs on - Wash	12700 lm
Preliminary light output all LEDs on - LM-79	12000 lm

PHYSICAL

Color options	Black - RAL 9004
	White - RAL 9010
	Gray - RAL 7037
	Custom
Corrosion class	C5 (ISO 12944:2018)
IK rating	IK09
IP class	IP66
Lens material	Tempered glass front
Material	Aluminium
	PC/ASA
	Steel
Net dimensions L x H x W	290 x 252 x 124 mm
Net dimensions L x H x W (inches)	11.4 x 9.9 x 4.9 inches
Net weight	8.3 kg (18.3 lbs)

FEATURES

Addressable pixels	28 (Vision version only)
Addressable segments	3
Color calibration	SGM proprietary with Dynamic Drive
Dehumidifier	Head
Goretex valve	Head / Base
Remote monitoring	Yes (Real Time)
Tilt locking system	Locking system with angle indicator
View angle	110°

ELECTRICAL

Electrical protection	Overload protection with automatic recover
Input voltage, absolute max. rating	100 - 305 VAC; 50 / 60 Hz
Input voltage, nominal	115 - 277 VAC; 50 / 60 Hz
Max inrush current 230VAC	60 A
Max power consumption	360 W
Max power thru @ 100 V	16 A
Max power thru @ 230 V	14 A
Power factor	0.99 PF (230 V)
Power Supply Unit	High-efficiency electronic switch-mode
Standby power consumption	6 W

PROGRAMMING AND CONTROL

16-bit control	Dimmer, Red, Green, Blue, White, pixels
Cabled DMX	5 pin XLR input/output
Data communication	100 Mb
DMX channels	7 - 128
DMX modes	9
Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S
	USITT DMX512A
	RDM ANSI E1.20
	ArtNet (up to 120 Hz)
	sACN
Setting and addressing	OLED graphical display / 4 buttons
	RDM ANSI E1.20
Wireless DMX	Lumen Radio with RDM
Connections	
DMX data in/out	IP66 XLR 5-pin connector, Female
	IP66 XLR 5-pin connector, Male
Ethernet Connections	IP66 RJ45 Locking Chassis Mount Connections
Power	Power input connector & link-thru

THERMAL

Cooling	Active, Forced Air, Temperature-regulated
Humidity (max.)	0,98
Temperature range, operating	-40°C to 50°C
Temperature range, start-up	-20°C to 50°C
Temperature range, storage	-40°C to 80°C
Total heat dissipation, max power	1228.3 BTU per hour
Total heat dissipation, standby	20.5 BTU per hour

INSTALLATION

Mounting point	2 quarter-turn locking points for one Omega bracket
Orientation	Any
Safety features	Bottom mount for safety wire

INCLUDED ITEMS

Included items	1 Omega bracket with quarter-turn fasteners

OPTIONAL ACCESSORIES

Filters	SGM mechanical easy-fit spread angle filters and color frame
Beam Shaping	SGM 4-way and 8-way barndoors

ORDERING INFORMATION

| ORDERING NUMBER	PRODUCT
80032000	P-3 Vision, S, BL
80032100	P-3 Wash, S, BL
80232000	P-3 POI, S, BL
80232010	P-3 POI, S, Grey

ACCESSORIES

ORDERING NUMBER	PRODUCT
83061193	Filter Frame, P3 Series
83061194	Barndoor 4-way, BL, P-3
83061195	Anti-Glare Shield, P-3 Series

BRACKETS

ORDERING NUMBER	PRODUCT
83060602	Omega Bracket (Blk) with 1/4-turn fasteners
83061196	Arraying Bracket, BL, P-3

FLIGHT CASES

ORDERING NUMBER	PRODUCT
82051511	Flightcase for P-3, EU Variant
82051512	Flightcase for P-3, US Variant
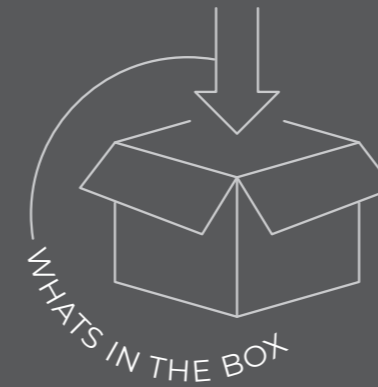
WHATS IN THE BOX

WHAT IS IN THE BOX

- Fixture
- 1 Omega bracket with quarter turn fasteners
- Printed leaflet with safety instructions
- 1 IP66 power cable

IMPORTANT NOTES

Please note that accessories such as barndoors or filters are ordered separately.

DEVELOPED, MANUFACTURED, AND TESTED IN DENMARK

MANUFACTURED IN DENMARK

- Premium user-centered design
- Flexible manufacturing process
- Short reaction time; faster deliveries
- Integrated support (R&D / production / after-sales)

ILLUMINATE SUSTAINABLY WITH SGM LIGHT

Our approach to sustainability follows best practice from the United Nations Sustainable Development Goals, the Greenhouse Gas Protocol, and ISO standards. We audit our activities with the help of 3rd parties to provide reliable and actionable data on our activities.

SGM®

IP66   UK CA   C E   ETL LISTED US PENDING   RoHS