



P-2

RGBW LED Wash Light



Description

The P-2 is a bright and powerful RGBW wash light, designed with lightweight and compact construction. Maintaining the SGM design philosophy, the P-2 shares some of the key features of the P-5, like color calibration, interchangeable lenses, smooth seamless beam projection, low power consumption, and DMX (with RDM) addressing. The P-2 further offers the benefits of three-segment pixel mapping control. Because of its efficiency, small size, and easy rigging options, the P-2 is a must-have wash for any rental company, touring production, corporate event, or temporary installation.

Features and benefits

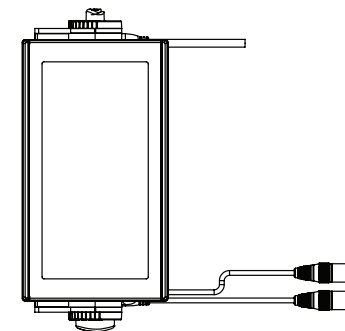
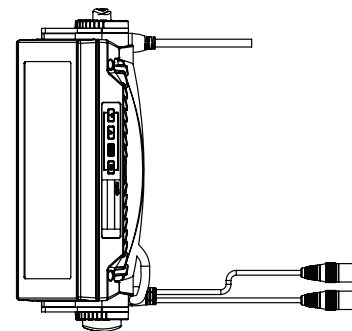
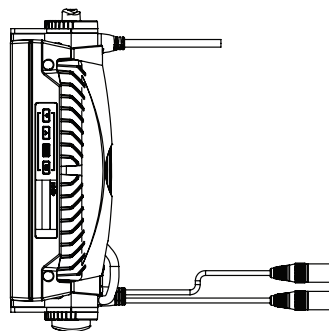
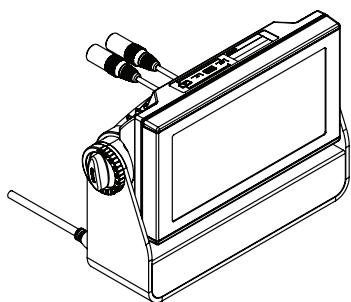
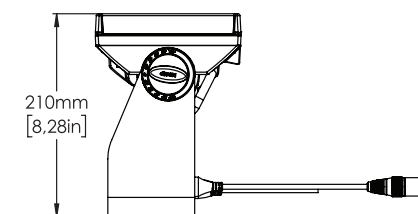
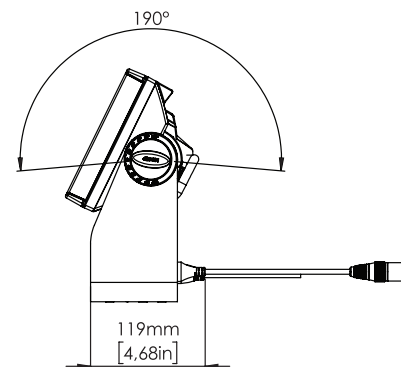
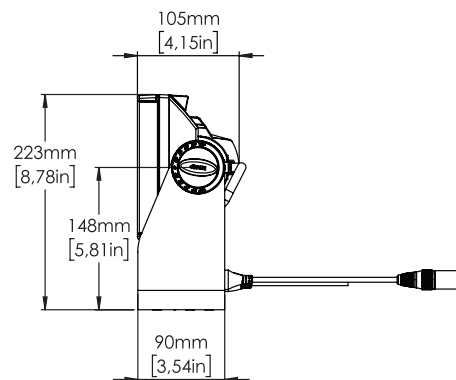
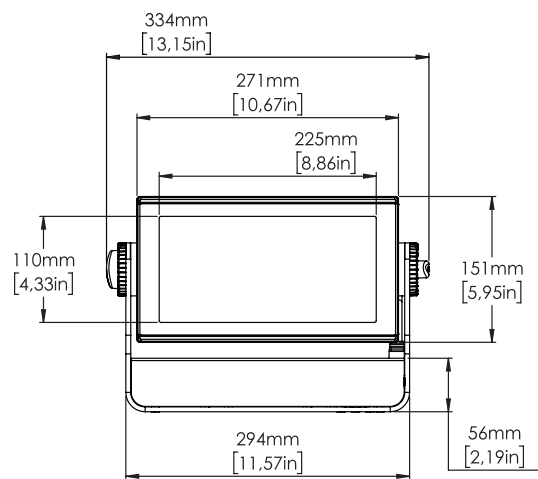
- ✓ High-performance IP65 RGBW LED light source
- ✓ 43°, 21° and 15° interchangeable lenses
- ✓ 3 individually controllable segments
- ✓ Only 6.1kg (13.4 lbs.) / Low power consumption (W)
- ✓ 2000K - 10000K CTC control
- ✓ Accurate 16bit dimming performance
- ✓ Practically maintenance-free
- ✓ Flicker-free / Programmable scenes

Certifications & classifications

IP65

RoHS

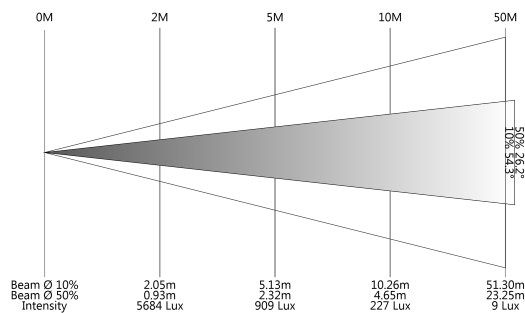




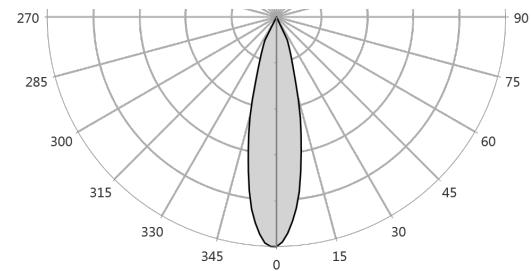
Manufacturer	SGM
Luminaire	P-2 21deg All on raw peak
Measurement Date	06-09-2017
Power Consumption	240 W
Light Output	7 468 lm
Field Angle	54.3 deg
Beam Angle	26.2 deg



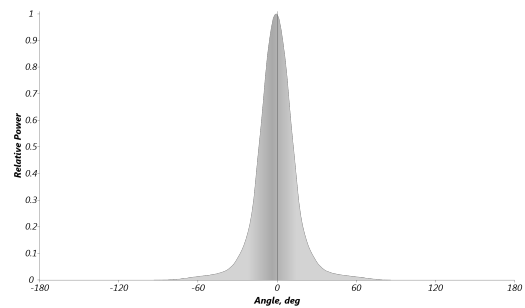
Lux Diagram



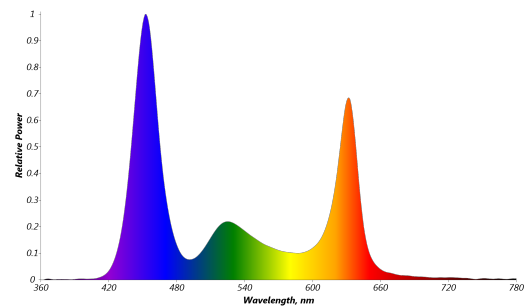
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lightsource	18 x high-power 10W RGBW LEDs
	Native lens options	15°
		21°
		43°
Photometric	Average CRI (CTC)	83
	Color temperature range	2000K - 10000K
	Efficacy	37 lm/W
	Light output all LEDs on	8727 lm
	Light output blue	715 lm
	Light output green	2709 lm
	Light output red	2526 lm
	Lumen per kilogram	1431 lm / Kg
	Lux @ 10m	853 lux
	Lux @ 3m	9478 lux
	Lux @ 5m	3412 lux
	Native beam angle(s)	14° (with 15° lens)
		26° (with 21° lens)
		36° (with 43° lens)
	Native field angle(s)	77° (with 43° lens)
		54° (with 21° lens)
		31° (with 15° lens)
Physical	Color options	Black - RAL 9004
		Custom color - Any RAL
		White - RAL 9010
	Effective Projected Area	0.96 Square ft
	IP class	IP65
	Lens material	PE
	Material	Aluminium
	Net dimensions	334 x 223 x 105 mm
	Net dimensions inches	13.2 x 8.8 x 4.1 inches
	Net weight	6.1 kg (13.5 lbs)
Features	Color calibration	SGM proprietary, full color calibration
	Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and linear
	Filters	Optional external spread angle filters (requires Accessory Holder)
	LED panel	3 individually controllable segments

	Strobe	Ultra-high-speed strobe effects Pixel strobe feature (up to 3 segments)
	Tilt	0 - 190°
Electrical	Electrical protection	Overload protection with automatic recover
	Input voltage, absolute max. rating	90 - 305 VAC; 50 / 60 Hz
	Input voltage, nominal	100 - 277 VAC; 50 / 60 Hz
	Max inrush current 230VAC	75 A
	Max power consumption	236 W
	Power factor	0.97 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	5 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	Cabled DMX	5 pin XLR input/output
	DMX channels	3, 6, 9, 12, 15 or 22
	DMX modes	10
	Protocol	USITT DMX512A RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 Standalone mode
	Standalone mode	Quick Color Up to 24 programmable scenes
Connections	DMX data in/out	2 IP65 XLR 5-pin cables 0.5m (permanently wired)
	Power	Power cable 1 meter with bare ends (permanently wired)
Installation	Mounting point	2 quarter-turn locking points for one Omega bracket
	Orientation	Any
	Rigging possibilities	Floor stand (included) or hanging (Omega clamps included)
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).
Thermal	Cooling	Active, Forced Air, Temperature-regulated
	Humidity (max.)	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
	Thermal protection	Automatic overtemperature protection
	Total heat dissipation, max power	805.2 BTU per hour
	Total heat dissipation, standby	17.1 BTU per hour
Included items	Included items	Mounting bracket (incl. screws) 1 Omega bracket with quarter-turn fasteners Safety instructions and installation quick guide
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-1 EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1 EN 60598-2-17 EN 62471 EN 60529
	RoHS2 Directive	2011/65/EU
	UL	UL Std. 1573
Certified To	CSA	CSA-E598-2-17-98, Ed: 1 CSA E60598-1, Ed: 3

NOTES:

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer's test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

Ordering information

Qty	Product name	Item number
☐	P-2 Wash, 43°, Std, CU	80030591
☐	P-2 Wash, 21°, Std, BL	80030526
☐	P-2 Wash, 43°, Std, BL	80030528
☐	P-2 Wash, 15°, Std, BL	80030529
☐	P-2 Wash, 43°, Std, WH	80030543
☐	P-2 Wash, 21°, Std, WH	80030544
☐	P-2 Wash, 15°, Std, WH	80030545
☐	P-2 Wash, 21°, Std, CU	80030592
☐	P-2 Wash, 15°, Std, CU	80030593
☐		
Accessories		Item number
☐	P-2 Lens Kit, 15°	83061132
☐	P-2 Lens Kit, 21°	83061133
☐	P-2 Lens Kit, 43°	83061134
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	4-way Barndoors for P-2, Q-2, i-2	83061129
☐	8-way Barndoor for P-2, Q-2, i-2	83061130
☐	Accessory Holder for P-2 & i-2	83061127
☐	Color Frame for P-2, Q-2, i-2	83061131
☐	Floor Stand for P-2 & Q-2	83060613
☐	Flight Case for 4 pcs P-2, Q-2, Q-2 W & i-2 incl barndoors	82051503
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A-4	80070217
☐	Diffusion filter for P-2, i-2 - medium, external	83061021
☐	Diffusion filter for P-2, i-2 - wide, external	83061022
☐	Diffusion filter for P-2, i-2 - elliptical horizontal, external	83061023
☐	Diffusion filter for P-2, i-2 - elliptical vertical, external	83061024
☐	RDM Addressing Tool	
☐	Spigot adapter for omega bracket	83060639
☐		



Headquarter +45 70 20 74 00

Mail info@sgmlight.com

Website sgmlight.com