P·5

RGBW LED Wash Light

DISCONTINUED

Description

The P-5 is the most well-known and reputed IP65 LED wash in the lighting industry. It has created new standards of color consistency, even coverage, light output, and smooth dynamic color balance. The P-5 employs 16bit dimming performance with no color shift, it is completely upgradeable through firmware updates, and it offers a full variety of beam angles for medium-to-longer throw applications via precise, interchangeable lenses. Its unique light projection and color mixing has made the P-5 the standard reference for lighting designers all around the world.

Features and benefits

- ✓ High-performance IP65 RGBW LED light source
- ✓ 20031 lumens in W
- ✓ 2000K - 10000K CTC control
- ✓ Practically maintenance-free

- ✓ 43º, 21º, and 15º interchangeable lenses
- ✓ DMX, RDM, and wireless control
- ✓ Accurate 16bit dimming performance
- ✓ Flicker-free / Programmable scenes

Certifications & classifications

IP65
INGRESS

RoHS
COMPLIANT

CE

Front view dimensions:
- 496mm [19,53in]
- 437mm [17,20in]
- 388mm [15,28in]
- 143mm [5,63in]
- 192mm [7,55in]
- 65mm [2,55in]
- 456mm [17,95in]

Side view dimensions:
- 122mm [4,81in]
- 268mm [10,54in]
- 173mm [6,79in]
- 90mm [3,54in]

Tilt view dimensions:
- 190°
- 120mm [4,72in]

End view dimensions:
- 239mm [9,40in]

Logo text: SGM

Display text: P·5
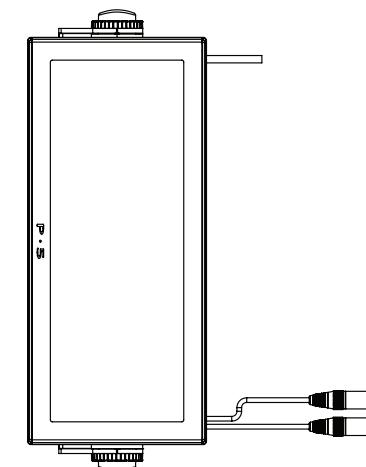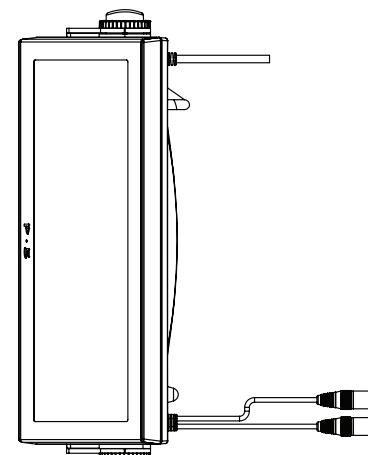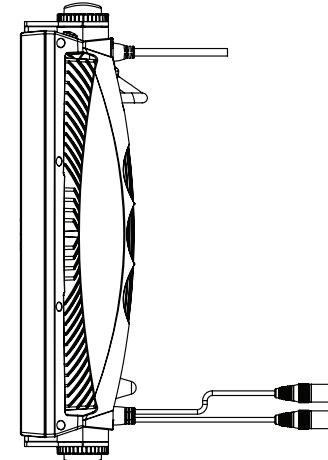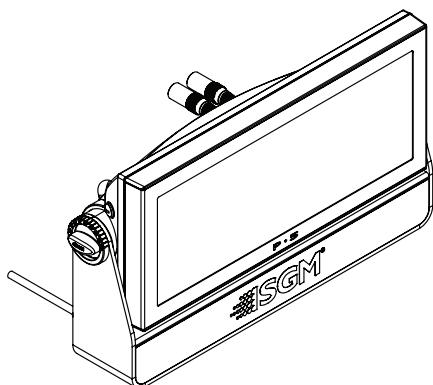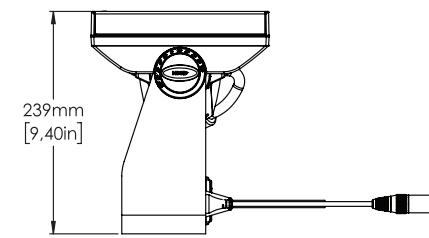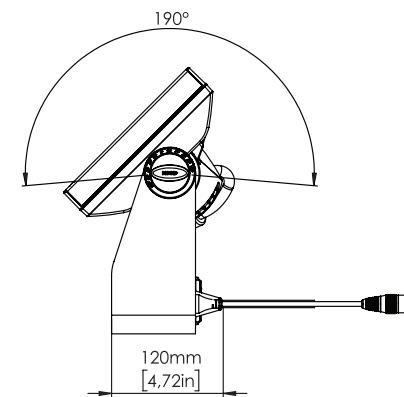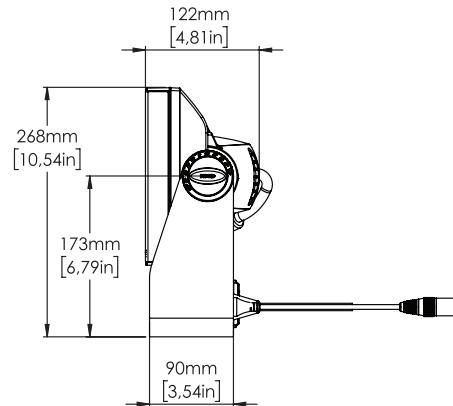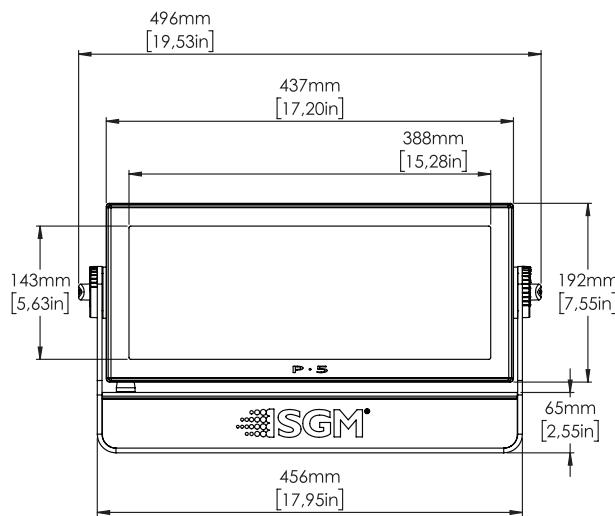
Specification

Optical Data

LED expected lifetime (L70)	50,000 hours
Lens options (built-in)	15° 21° 43°
Lightsource	44 x high-power 10W RGBW LEDs

Photometric

Average CRI (CTC)	86
Color temperature range	2000K - 10000K
Efficacy	44 lm/W*
Light output - all LEDs on	20031 lm
Light output - blue	1353 lm
Light output - green	5806 lm
Light output - red	4725 lm
Lumen per kilogram	2251 lm / Kg
Lux @ 10m	1993 lux
Lux @ 3m	22142 lux
Lux @ 5m	7971 lux
Native beam angle(s)	14° (with 15° lens) 26° (with 21° lens) 35° (with 43° lens)
Native field angle(s)	76° (with 43° lens) 55° (with 21° lens) 30° (with 15° lens)

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
Effective Projected Area	1.72 Square ft
IP class	IP65
Lens material	PE
Material	Aluminium
Net dimensions L x H x W (imperial)	19.6 x 10.6 x 4.8 inches
Net dimensions L x H x W (metric)	497 x 268 x 122 mm
Net weight	8.9 kg (19.6 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)
Other	LED frequency control, display selectable

	Strobe	Ultra-high-speed strobe effects
	Tilt	0 - 190°
Electrical	Electrical protection	Overload protection
	Input voltage (nominal)	208 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	45 A
	Max power consumption	450 W
	Power factor	0.98 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	Cabled DMX	5 pin XLR input/output
	DMX channels	3, 4, 6, 8, 9 or 10
	DMX modes	7
	Protocol	USITT DMX512A Wireless DMX (LumenRadio) RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 RFID Standalone mode
	Standalone mode	Quick Color Standalone mode programmable via RFID Up to 24 programmable scenes
	Wireless DMX	Lumen Radio with RDM
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 x 2 quarter-turn locking points for one or two Omega brackets
	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	1535.4 BTU per hour
	Total heat dissipation, standby	27.3 BTU per hour
Included items	Included items	Wireless DMX antenna Mounting bracket (incl. screws) 2 Omega bracket with quater-turn fasteners Safety instructions and installation quick guide
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 EN 55032 EN 55035
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1
		EN 60598-2-17 EN 62471 EN 60529
	RoHS2 Directive	2011/65/EU

Ordering information

Qty	Product name	Item number
☐		

Qty	Accessories	Item number
☐	P·5 Lens Kit, 15°	83061116
☐	P·5 Lens Kit, 21°	83061117
☐	P·5 Lens Kit, 43°	83061118
☐	BCC-2 Dual Bracket	83060603
☐	BCC-4 Quad Bracket	83060604
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	4-way Barndoors for P·5, i·5, X·5, Q·7	83061120
☐	8-way Barndoors for P·5, i·5, X·5, Q·7	83061121
☐	Accessory Holder for P·5 & i·5	83061119
☐	Color Frame for P·5, Q·7, X·5, i·5	83061122
☐	Floor Stand for P·5, X·5 & Q·7	83060610
☐	Flight Case for 4 pcs of P·5/Q·7/X·5	82051501
☐	Flight Case for 4 pcs of P·5/Q·7/X·5 incl. barndoors	82051502
☐	SGM USB uploader cable	83062011
☐	SGM Vacuum Test Kit	83061136
☐	Diffusion filter for P·5, i·5 - elliptical horizontal, external	83061027
☐	Diffusion filter for P·5, i·5 - elliptical vertical, external	83061028
☐	Diffusion filter for P·5, i·5 - medium, external	83061025
☐	Diffusion filter for P·5, i·5 - wide, external	83061026
☐	RDM Addressing Tool	
☐	Spigot adapter for omega bracket	83060639
☐		

SGM®

Mail info@sgmlighting.com
Website sgmlight.com