



P-6

RGBW Wash / Strobe / Pixel Light



Description

The P-6 is the standardized LED wash fixture in the lighting industry, due to its IP66 rating, superior reliability, and user-centered design. Optimized for high punch in medium distances, the P-6 combines the compact size and low power consumption of the P-5 series with the unique optical approach and ergonomomy of the powerful P-10. This all-in-one LED luminaire features pixel-mapping control, long-throw capabilities with native 10° front lens, and all the benefits of magnetic easy-fit filter frames for different beam angles. It is a wash light, a pixel product, and a blinder in a lightweight, smart, and robust design: a must-have LED fixture.

Features and benefits

- ✓ IP66-rated 10° RGBW LED luminaire with 18297 lumen
- ✓ CRMX Bridge: Wireless to wired DMX bridging with priority wired or wireless data selection
- ✓ CTC linear control from 2,000K to 10,000K
- ✓ User friendly display, wireless control, and integrated handle
- ✓ 24 x 24W LEDs with 6 individually controllable segments
- ✓ High-quality dimming performance with color filter emulation and VersaPath
- ✓ Different beam angles available via magnetic easy-fit holographic filter frames
- ✓ IP66-rated with built-in dehumidifier and superior thermal management

Certifications & classifications

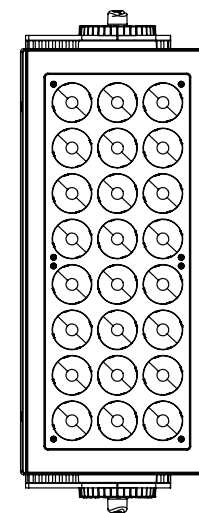
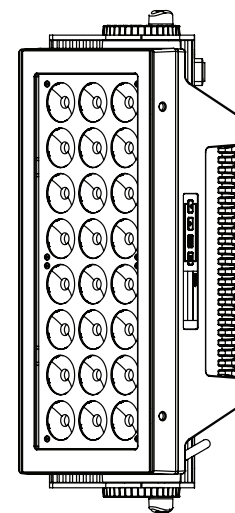
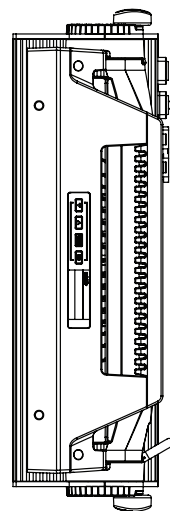
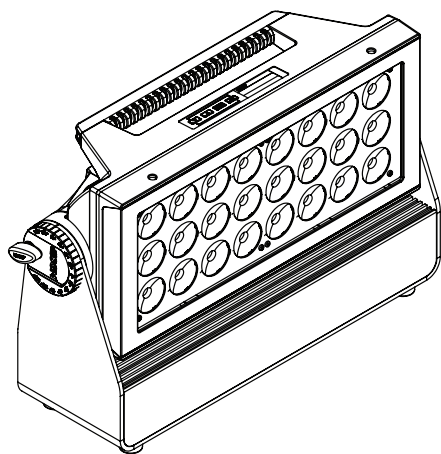
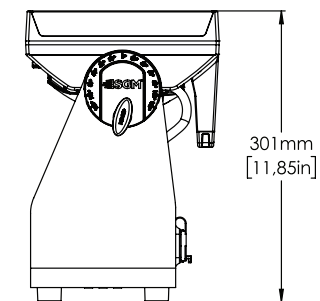
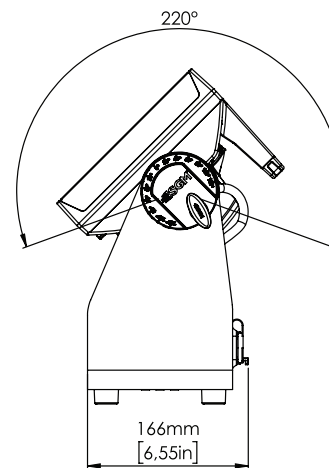
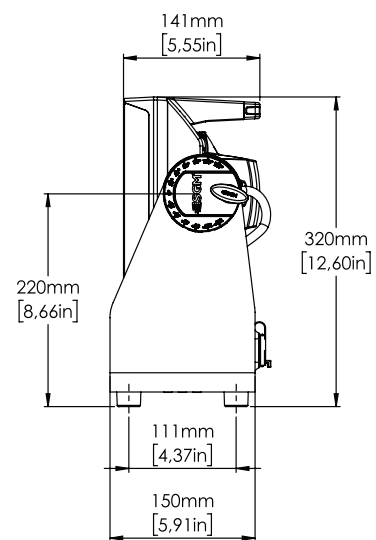
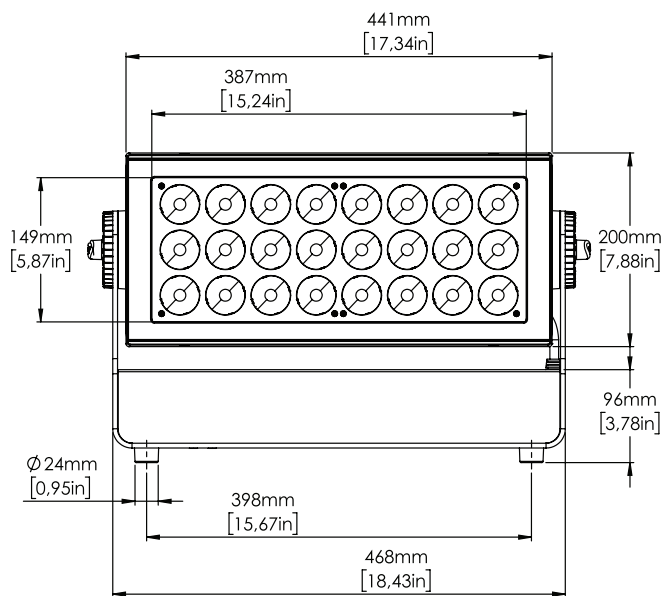
IP66
INGRESS

RoHS
COMPLIANT

CE

ETL
US

UK
CA



Specification

Optical Data	LED expected lifetime (L70)	50,000 hours
	Lightsource	24 x high-power 24W RGBW LEDs
	Native lens options	10°
	Optional filters	Elliptical horizontal, I/P, external (10° x 60° angle)
		Elliptical vertical, I/P, external (60° x 10° angle)
Wide, P-1/P-6/P-10, external (47° angle)		
Medium, P-1/P-6/P-10, external (18° angle)		
Photometric	Color temperature range	2000K - 10000K
	Efficacy	37 lm/W
	Light output all LEDs on	18297 lm
	Light output blue	1469 lm
	Light output green	6369 lm
	Light output red	3965 lm
	Lumen per kilogram	1262 lm / Kg
	Lux @ 10m	3546 lux
	Lux @ 3m	39400 lux
	Lux @ 5m	14183 lux
	Native beam angle(s)	11° (with 10° lens)
		18° (with Med filter frame)
		47° (with Wide filter frame)
Native field angle(s)	20°	
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Effective Projected Area	2.15 Square ft
	IK rating	IK06
	IP class	IP66
	Lens material	Tempered glass front
	Material	Aluminium
		PC/ASA
		Rubber
		Steel
	Net dimensions L x H x W	508 x 320 x 166 mm
	Net dimensions L x H x W (inches)	20 x 12.6 x 6.5 inches
	Net weight	14.5 kg (32 lbs)
Features	Color calibration	SGM proprietary, full color calibration

	Dehumidifier	Head
	Dimming	3 Smooth fade in, DMX-controllable curves: gamma corrected, linear, halogen emulation
	Emulation mode / effect	Tungsten response emulation Color Filter Emulation
	Filters	Magnetic easy-fit spread angle filter frames
	LED panel	6 individually controllable segments
	Other	Studio DMX mode(s) LED frequency control over DMX
	Physical head straight up height	301 mm
	Strobe	Ultra-high-speed strobe effects Intensity, Duration, Rate and FX control channels Pixel strobe (up to 6 segments)
	Tilt	220°
	Tilt locking system	Locking system with angle indicator
Electrical	Electrical protection	Overload protection with automatic recover
	Input voltage, nominal	115 - 277 VAC; 50 / 60 Hz
	Max inrush current 230VAC	70 A
	Max power consumption	630 W
	Max power thru @ 100 V	13 A
	Max power thru @ 230 V	13 A
	Power factor	0.96 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	10 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	Cabled DMX	5 pin XLR input/output
	DMX channels	4, 6, 8, 9, 10, 18, 21, 24, 26, 27, 40
	DMX modes	13
	Protocol	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20
	Standalone mode	Quick Color 3 programs with up to 24 scenes
	Wireless DMX	Lumen Radio with RDM
Connections	DMX data in/out	IP66 XLR 5-pin connector, Female IP66 XLR 5-pin connector, Male

	Power	Power input connector & link-thru
Installation	Mounting point	3 x two quarter-turn locking points for two or three Omega Brackets
	Orientation	Any
	Rigging possibilities	Hanging (Omega Bracket included) or ceiling/wall mount (optional)
	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, operating max	50 °C
	Temperature range, operating min	-40 °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	2149.6 BTU per hour
Included items	Included items	2 Omega bracket with quater-turn fasteners 2 m IP66 power cable pigtail 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
	UL	UL Std. 1573
Certified To	CSA	CSA Std. C22.2 No. 166

Ordering information

Qty	Product name	Item number
☐	P-6, Std, BL	80031650
☐	P-6, Std, WH	80031651
☐	P-6, Std, CU	80031652
☐		
Accessories		Item number
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	Power cable with IP connector	07860275
☐	SGM USB uploader cable	83062011
☐	SGM Vacuum Test Kit	83061136
☐	4-way Barndoors for P-6 / Q-8 / i-6	83061173
☐	Filter frame for P-6/Q-8 - medium angle	83061170
☐	Filter frame for P-6/Q-8 - wide angle	83061171
☐	Filter frame for P-6/Q-8 - elliptical horizontal wide angle	83061168
☐	Filter frame for P-6/Q-8 - elliptical vertical wide angle	83061169
☐	8-way Barndoors for P-6 / Q-8	83061186
☐	RDM Addressing Tool	
☐	Flight Case for 4 pcs of P-6/Q-8 incl. accessories	82051509
☐	Spigot adapter for omega bracket	83060639
☐	DoPchoice Snapbag for Q-8 / P-6	83061189
☐	DoPchoice Snapgrid for Q-8 / P-6	83061190
☐	Filter Frame Extender, P-6 / Q-8	83061191
☐		



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