



P-6

Wash / Strobe / Flood / Pixel / Blinder LED light



Description

The P-6 combines the compact size and low power consumption of the P-5 series with the unique optical design and ergonomics of the 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. It is a wash light, a strobe, and a blinder in a lightweight and robust design: a must-have multi-purpose LED fixture.

Features and benefits

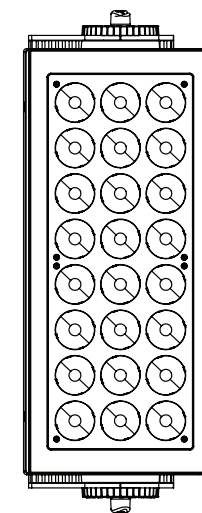
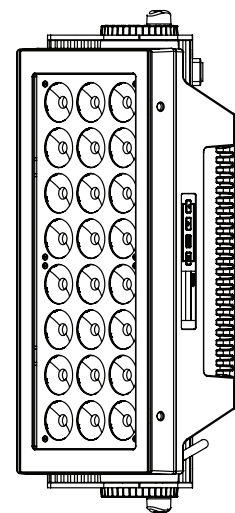
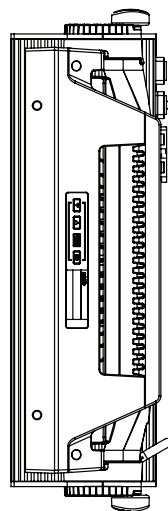
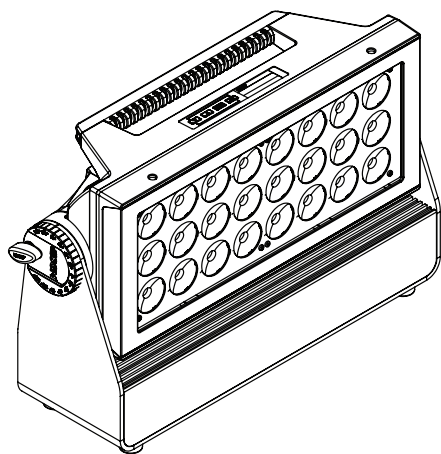
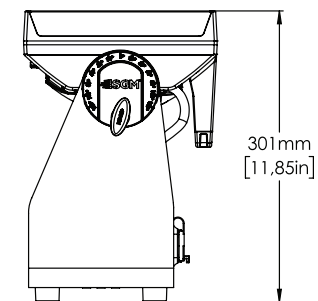
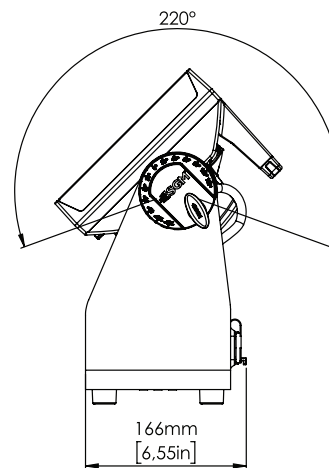
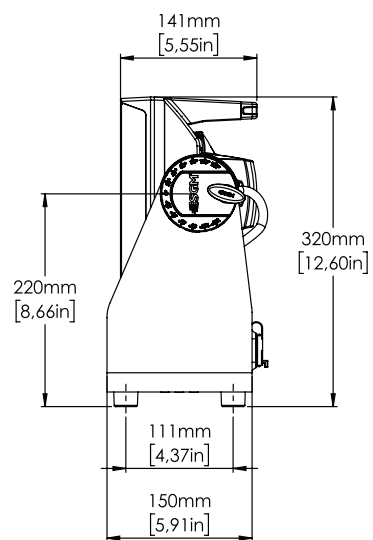
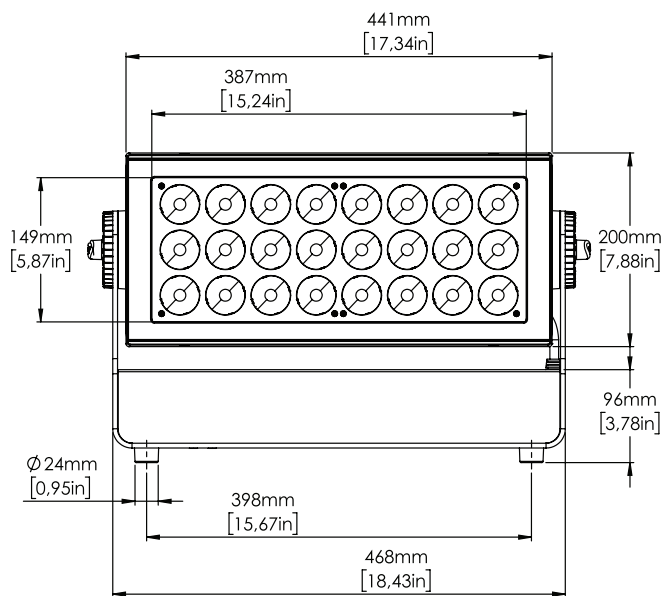
- ✓ IP66-rated 10° RGBW LED luminaire with lumen
- ✓ High lux performance in a compact assembly
- ✓ CTC linear control from 2,000K to 10,000K
- ✓ Lightweight and maintenance-free
- ✓ 24 x 24W LEDs with 6 individually controllable segments
- ✓ High-quality dimming performance with color filter emulation
- ✓ Different beam angles available via magnetic easy-fit holographic filter frames
- ✓ User friendly display, wireless control, and integrated handle

Certifications & classifications

IP66

RoHS

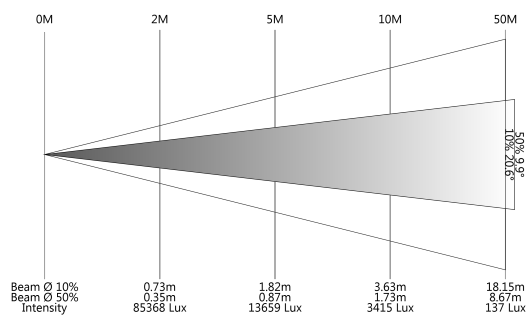




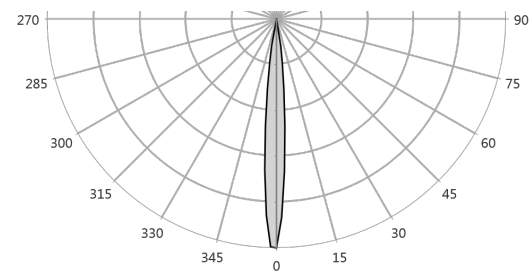
Manufacturer	SGM
Luminaire	P-6 rev3 All on raw peak
Measurement Date	23-01-2019
Power Consumption	609 W
Light Output	17 873 lm
Field Angle	20.6 deg
Beam Angle	9.9 deg



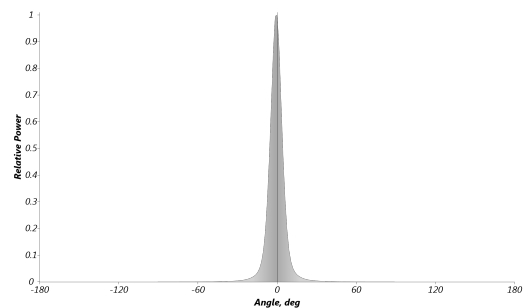
Lux Diagram



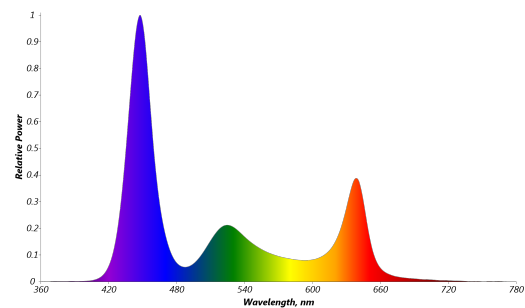
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	10°
	Lightsource	24 x high-power 24W RGBW LEDs
Photometric	Beam angle(s)	11° (with 10° lens) 18° (with Med filter frame) 47° (with Wide filter frame)
	Color temperature range	2000K - 10000K
	Efficacy	37 lm/W
	Light output all LEDs on	18296 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
	Maximum Field Angle	21.8 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP66
	Lens material	Tempered glass front
	Material	Aluminium PC/ASA Rubber Steel
	Net dimensions	508 x 320 x 166 mm
	Net dimensions inches	20 x 12.6 x 6.5 inches
	Net weight	14.5 kg (32 lbs)
Features	Dehumidifier	Head
	Dimming	Electronic
	Emulation mode / effect	Color Filter Emulation
	Filters	Magnetic easy-fit spread angle filters and color frame
	LED panel	6 individually controllable segments
	Physical Head Straight Up Height	301 mm
	Strobe	Ultra-high-speed strobe effects
	Tilt	220°

	Tilt Locking System	Locking system with angle indicator
Electrical	AC power, max.	100 - 305V 50/60Hz
	AC Power, nominal	115 - 277V 50/60Hz
	Electrical Protection	Overload protection with automatic recover
	Max Inrush Current	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
	Typical power consumption	450 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	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	IP67 XLR 5-pin connector, Female IP67 XLR 5-pin connector, Male
	Power	Power input connector & link-thru
Installation	Mounting point	2 x 2 quarter-turn locking points for one or two 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, Start-up	-20°C to 50°C
	Temperature range, Storage	-40°C to 80°C
	Thermal Protection	Automatic overtemperature protection
Included items	Included items	2 Omega bracket with quater-turn fasteners 2 m power cable Safety instructions and installation quick guide
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3 EN 55032
	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

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-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
☐	Vacuum Test Kit	83061136
☐	A-4	80070217
☐	4-way Barndoors for P-6	83061173
☐	Filter frame for P-6 - medium angle	83061170
☐	Filter frame for P-6 - wide angle	83061171
☐	Filter frame for P-6 - elliptical horizontal wide angle	83061168
☐	Filter frame for P-6 - elliptical vertical wide angle	83061169
☐	Filter frame for P-6 - optional filters	83061172
☐	8-way Barndoors for P-6	83061186
☐	RDM Addressing Tool	
☐		



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