SGM®

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 ergonomy of the P-10. This all-in-one LED luminaire features pixel-mapping control, long-throw capabilities with native 10º 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 10º RGBW LED luminaire with 20500 lumen

✓ 24 x 24W LEDs with 6 individually controllable segments

✓ High lux performance in a compact assembly

✓ High-quality dimming performance with color filter emulation

✓ CTC linear control from 2,000K to 10,000K

✓ Different beam angles available via magnetic easy-fit holographic filter frames

✓ Lightweight and maintenance-free

✓ User friendly display, wireless control, and integrated handle

Certifications & classifications

IP66   RoHS   CE   ETL PENDING   ECO FRIENDLY

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	36 lm/W
	Lumen per kilogram	1583 lm / Kg
	Lux @ 5m	12000 lux
	Maximum Field Angle	23 °
	Preliminary light output all LEDs on	20500 lm
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	IP class	IP66
	Lens material	PE and tempered glass front
	Material	Aluminium PC/ASA Rubber Steel
	Net dimensions	497 x 268 x 160 mm
	Net dimensions inches	19.6 x 10.6 x 6.3 inches
	Net weight	12 kg (26.5 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
	Strobe	Ultra-high-speed strobe effects
	Tilt	0 - 190°
	Tilt Locking System	Locking system with angle indicator
Electrical	AC power, max.	90 - 305V 50/60Hz
	AC Power, nominal	100 - 277V 50/60Hz
	Electrical Protection	Overload protection with automatic recover

	Max Inrush Current	70 A
	Max power consumption	675 W
	Max power out @ 100 V	13 A
	Max power out @ 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	IP65 XLR 5-pin connector, Female IP65 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	2 attachment points for safety wire Minimum distance to combutible 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 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

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

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
TRUE1 Power Cable	07860040
SGM USB uploader cable	83062011
Vacuum Test Kit	83061136
A·4	80070217

SGM®

SGM Light A/S

Sommervej 23, 8210 Aarhus V

Denmark

Telephone +45 70 20 74 00

Mail info@sgmlight.com

Distributor:

Techni-Lux

Phone: 407-857-8770
Fax: 407-857-8771
Email: sales@techni-lux.com
www.techni-lux.com