



i-5 RGBW

RGBW LED Wash Light



Description

The i-5 RGBW is a powerful wash luminaire generating a narrow beam of light in spot position, suitable for any application requiring extremely high output over long distances. It expands the possibilities of the P-5 series by adding more punch and a narrower angle, but maintaining the standards of color consistency and smooth dimming. Unlike the P-series, each individual lens in the i-5 RGBW is related to one R, G, B or W LED chip only. These optics have been designed to deliver superior color mixing when illuminating structures over long distances.

Features and benefits

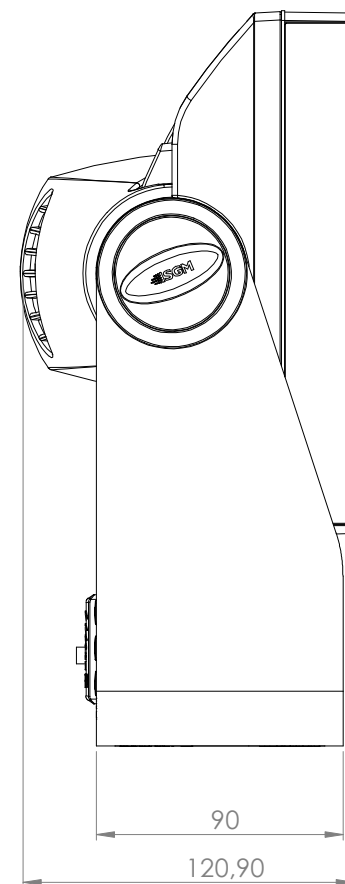
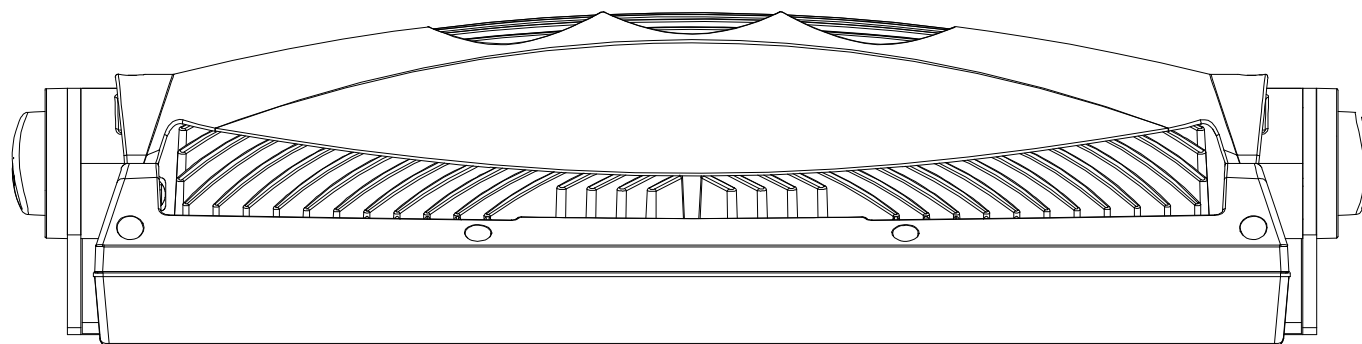
- ✓ High-performance IP65 RGBW light source with 203 LEDs
- ✓ DMX, RDM and wireless control
- ✓ 8.5° native beam angle / 18°, 40° & 60°x10° optional diffusers
- ✓ Flicker-free / Programmable scenes
- ✓ 24644 luxes at 5 meters / 21527 verified lumens
- ✓ 2000K - 10000K CTC control
- ✓ Accurate 16bit dimming performance
- ✓ Practically maintenance-free

Certifications & classifications

IP65

RoHS

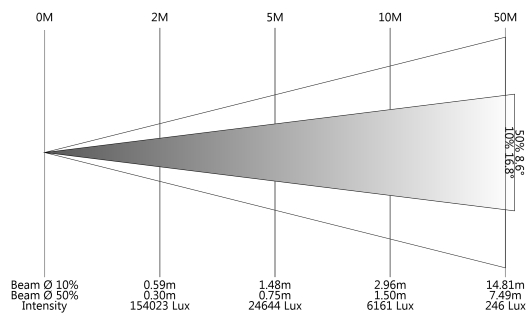




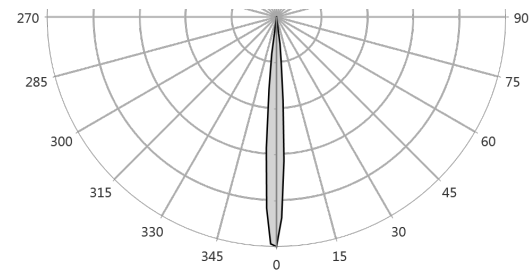
Manufacturer	SGM
Luminaire	I-5 RGBW All on raw peak
Measurement Date	06-06-2017
Power Consumption	474 W
Light Output	21 527 lm
Field Angle	16.8 deg
Beam Angle	8.6 deg



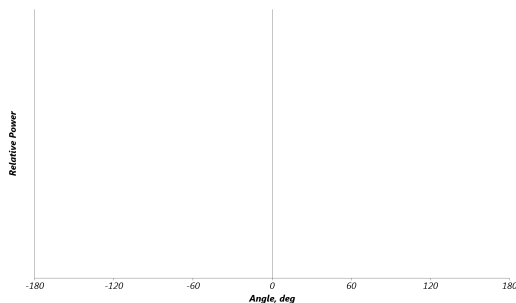
Lux Diagram



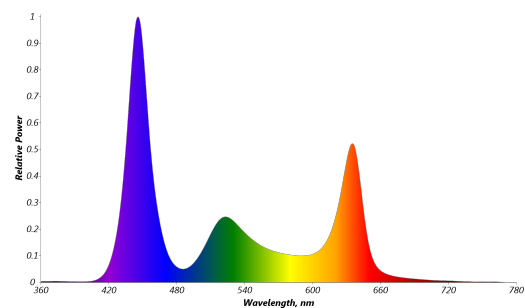
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lightsource	203 LEDs total, 48 Red, 51 Green, 48 Blue, 56 White (5,700K)
	Native lens options	8.5°
	Optional filters	Medium, I-2/I-5, diffusion in, external (17° angle) Wide, I-2/I-5, diffusion in, external (42° angle) Wide, I-2/I-5, diffusion out, external (31° angle) Elliptical horizontal, I/P, external (10° x 60° angle) Elliptical vertical, I/P, external (60° x 10° angle)
	Optional honeycomb	Internal
Photometric	Color temperature range	2000K - 10000K
	Efficacy	49 lm/W
	Light output all LEDs on	21527 lm
	Light output blue	1173 lm
	Light output green	6493 lm
	Light output red	3845 lm
	Lumen per kilogram	2419 lm / Kg
	Lux @ 10m	6161 lux
	Lux @ 3m	68454 lux
	Lux @ 5m	24644 lux
	Native beam angle(s)	8° (with 8.5° lens)
	Native field angle(s)	17°
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	497 x 268 x 122 mm
	Net dimensions inches	19.6 x 10.6 x 4.8 inches
	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)
	Strobe	Ultra-high-speed strobe effects
	Tilt	0 - 190°
Electrical	Electrical protection	Overload protection
	Input voltage, absolute max. rating	190 - 264 VAC; 50 / 60 Hz
	Input voltage, nominal	208 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	45 A
	Max power consumption	440 W
	Power factor	0.97 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	1501.3 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 55103-1
		EN 55103-2
		EN 55015
		EN 61547
		EN 61000-3-2
		EN 61000-3-3
Conforms To	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 E60598-1, Ed: 2
		CSA-E598-2-17-98, Ed: 1

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
☐	I-5 RGBW Wash, 8,5°, Std, BL	80031300
☐	I-5 RGBW Wash, 8,5°, Std, WH	80031350
☐	I-5 RGBW Wash, 8,5°, Std, CU	80031380
☐		
	Accessories	Item number
☐	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
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A·4	80070217
☐	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	
☐		



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