



# 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

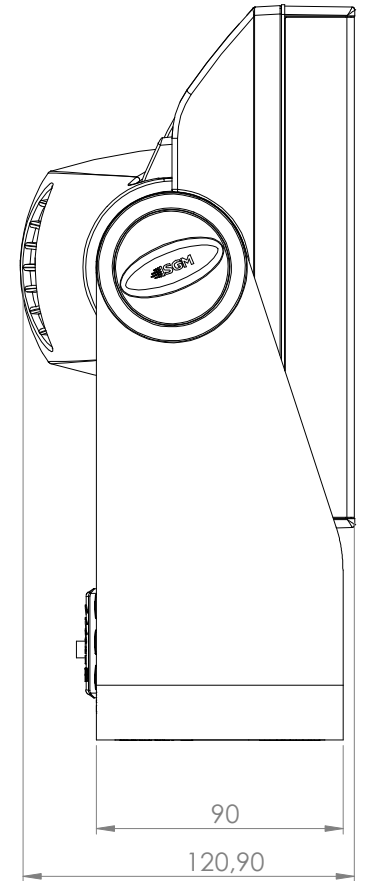
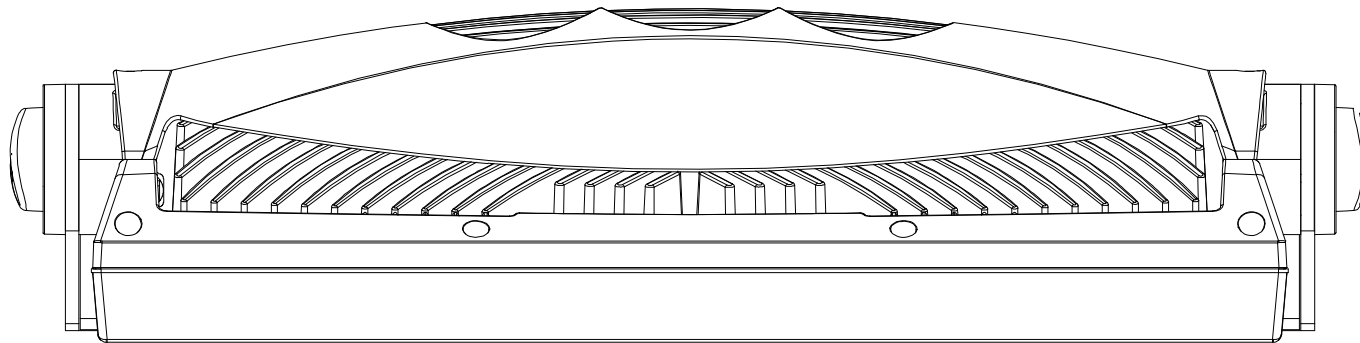
### Certifications & classifications

IP65

RoHS

CE

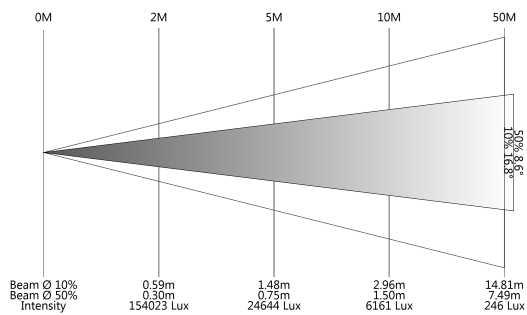


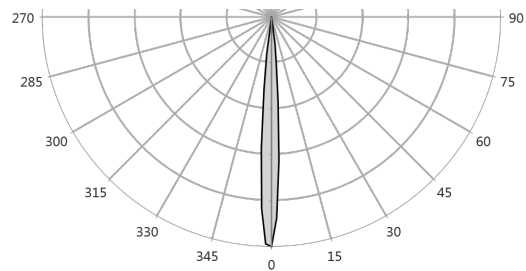
**Manufacturer** SGM  
**Luminaire** I-5 RGBW All on raw peak  
**Measurement Date** 06-06-2017  
**Power Consumption** 474 W  
**Light Output** 21 527 lm  
**Field Angle** 16.8 deg  
**Beam Angle** 8.6 deg



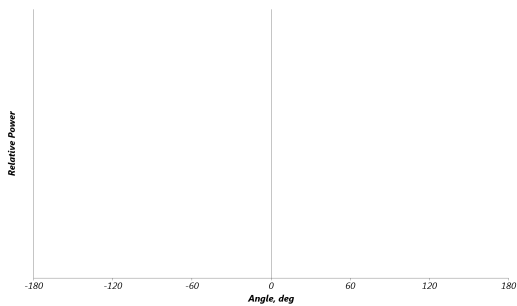
Lux Diagram



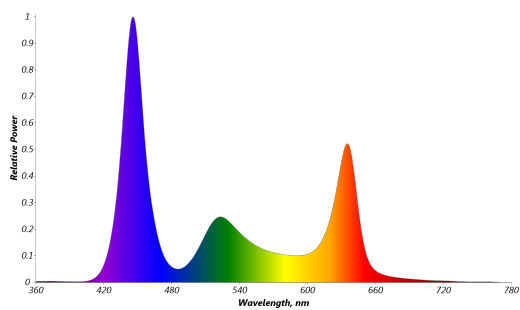
Polar Distribution



Beam Profile



Spectral Distribution



# Specification

<b>Optical Data</b>	LED expected lifetime	50,000 hours
	Lens	8.5°
	Lightsources	203 LEDs total, 48 Red, 51 Green, 48 Blue, 56 White (5,700K)
	Optional honeycomb	Internal
<b>Photometric</b>	Beam angle(s)	8° (with 8.5°)
	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
	Lux @ 10m	6161 lux
	Lux @ 3m	68454 lux
	Lux @ 5m	24644 lux
	Maximum Field Angle	17 °
<b>Physical</b>	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Effective Projected Area	1.51 Square ft
	IP class	IP65
	Lens material	PE and tempered glass front
	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)
<b>Features</b>	Dimming	Electronic
	Filters	18° 40° 60°x10° (elliptical)
	Strobe	Ultra-high-speed strobe effects
	Tilt	0 - 190°
<b>Electrical</b>	AC power, max.	190 - 264V 50/60Hz
	AC Power, nominal	208 - 240V 50/60Hz
	Electrical Protection	Overload protection

	Max Inrush Current	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
	Typical power consumption	240 W
<b>Programming and Control</b>	16-bit control	Dimmer, Red, Green, Blue
	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
<b>Connections</b>	DMX data in/out	IP65 XLR 5-pin cable 0.5m
	Power	Power cable 1 meter with bare ends
<b>Installation</b>	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).
<b>Thermal</b>	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
<b>Included items</b>	Included items	Wireless DMX antenna Mounting bracket (incl. screws)

2 Omega bracket with quarter-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
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
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**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
<input type="checkbox"/>	I-5 RGBW Wash, 8,5deg, Std, CU	80031380
<input type="checkbox"/>	I-5 RGBW Wash, 8,5deg, Std, BL	80031300
<input type="checkbox"/>	I-5 RGBW Wash, 8,5deg, Std, WH	80031350
<input type="checkbox"/>		
	<b>Accessories</b>	<b>Item number</b>
<input type="checkbox"/>	Omega Bracket with 1/4-turn fasteners	83060602
<input type="checkbox"/>	4-way Barndoors for P·5, i·5, X·5, Q·7	83061120
<input type="checkbox"/>	8-way Barndoors for P·5, i·5, X·5, Q·7	83061121
<input type="checkbox"/>	Accessory Holder for P·5 & i·5	83061119
<input type="checkbox"/>	Color Frame for P·5, Q·7, X·5, i·5	83061122
<input type="checkbox"/>	SGM USB uploader cable	83062011
<input type="checkbox"/>	Vacuum Test Kit	83061136
<input type="checkbox"/>	A·4	80070217
<input type="checkbox"/>	Diffusion filter for P·5, i·5 - elliptical horizontal, external	83061027
<input type="checkbox"/>	Diffusion filter for P·5, i·5 - elliptical vertical, external	83061028
<input type="checkbox"/>	Diffusion filter for P·5, i·5 - medium, external	83061025
<input type="checkbox"/>	Diffusion filter for P·5, i·5 - wide, external	83061026
<input type="checkbox"/>	RDM Addressing Tool	
<input type="checkbox"/>		



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