



i·2 RGBW

RGBW LED Wash Light



Description

The i-2 RGBW is a compact and lightweight wash luminaire generating a narrow beam of light in spot position, suitable for any application requiring high output over medium and long distances. Sharing some features of the P-2, like color calibration and seamless beam projection, the i-2 RGBW adds the benefits of a narrow and powerful beam with a very low power consumption. In the i-2 series, each individual lens is related to one R, G, B or W LED chip only.

Features and benefits

- ✓ High-performance IP65 RGBW light source with 69 LEDs
- ✓ 8° native beam angle
- ✓ DMX, RDM, and wireless control
- ✓ Optional diffusers and barndoors
- ✓ Accurate 16bit dimming performance
- ✓ 2000K - 10000K CTC control
- ✓ Flicker-free / Programmable scenes
- ✓ Practically maintenance-free

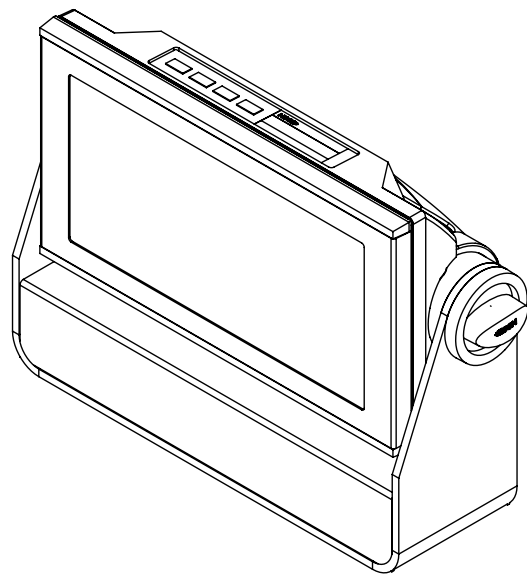
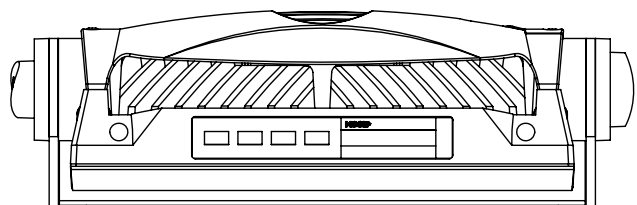
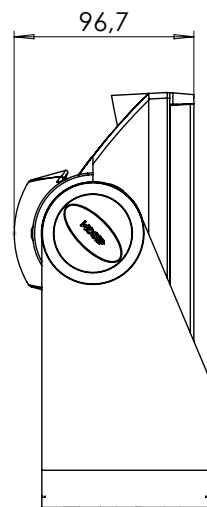
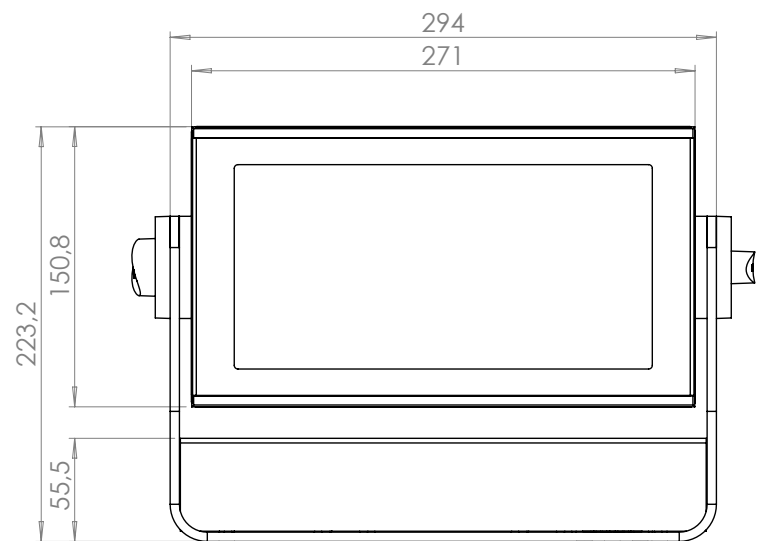
Certifications & classifications

IP65

RoHS

CE

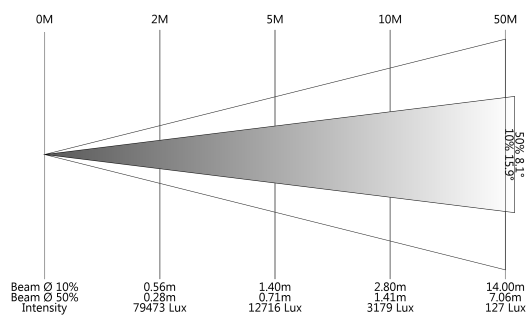




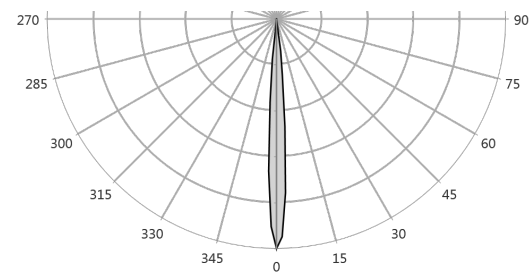
Manufacturer	SGM
Luminaire	I-2 All on raw peak
Measurement Date	29-12-2017
Power Consumption	225 W
Light Output	9 908 lm
Field Angle	15.9 deg
Beam Angle	8.1 deg
Color Temperature	7 426 K



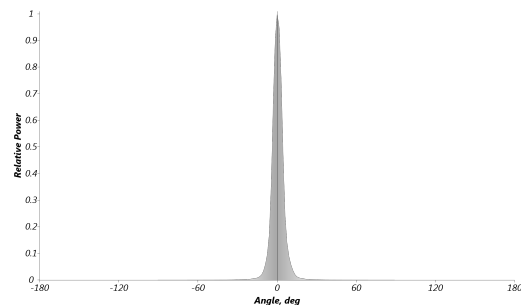
Lux Diagram



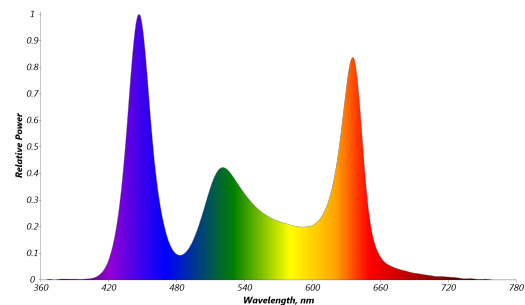
Polar Distribution



Beam Profile



Spectral Distribution



Specification

Optical Data	LED expected lifetime	50,000 hours
	Lens	8.5°
	Lightsources	69 LEDs total, 18 Red, 18 Green, 9 Blue, 24 White (5,700K)
	Optional honeycomb	Internal
Photometric	Beam angle(s)	8° (with 8.5°)
	Color temperature range	2000K - 10000K
	CRI typical	80
	Efficacy	44 lm/W
	Light output all LEDs on	9908 lm
	Light output blue	250 lm
	Light output green	2553 lm
	Light output red	1565 lm
	Lux @ 10m	3179 lux
	Lux @ 3m	35321 lux
	Lux @ 5m	12716 lux
	Maximum Field Angle	17 °
Physical	Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
	Effective Projected Area	0.65 Square ft
	IP class	IP65
	Lens material	PE and tempered glass front
	Material	Aluminium
	Net dimensions	334 x 223 x 105 mm
	Net dimensions inches	13.2 x 8.8 x 4.1 inches
	Net weight	6.1 kg (13.5 lbs)
Features	Dimming	Electronic
	Filters	18° 40° 60°x10° (elliptical)
	Strobe	Ultra-high-speed strobe effects
	Tilt	0 - 190°
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	75 A
	Max power consumption	230 W
	Power factor	0.98 PF (230 V)
	Power Supply Unit	Inbuilt IP 67 Auto-ranging electronic switch-mode
	Standby power consumption	5 W
	Typical power consumption	100 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue
	Cabled DMX	5 pin XLR input/output
	DMX channels	3, 4, 6 or 8
	DMX modes	8
	Protocol	USITT DMX512A RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 Standalone mode
	Standalone mode	Quick Color Up to 24 programmable scenes
Connections	DMX data in/out	IP65 XLR 5-pin cable 0.5m
	Power	Power cable 1 meter with bare ends
Installation	Mounting point	2 quarter-turn locking points for one Omega bracket
	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
Included items	Included items	Mounting bracket (incl. screws) 1 Omega bracket with quarter-turn fasteners Safety instructions and installation

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
	UL (Int)	UL Std. 1573
Certified To	CSA	CSA-E598-2-17-98, Ed: 1 CSA E60598-1, Ed: 3

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-2 RGBW Wash, 8,5deg, Std, WH	80031150
☐	I-2 RGBW Wash, 8,5deg, Std, CU	80031180
☐	I-2 RGBW Wash, 8,5deg, Std, BL	80031100
☐		
Accessories		Item number
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	4-way Barndoors for P·2, Q·2, i·2	83061129
☐	8-way Barndoor for P·2, Q·2, i·2	83061130
☐	Accessory Holder for P·2 & i·2	83061127
☐	Color Frame for P·2, Q·2, i·2	83061131
☐	Flight Case for 4 pcs P·2, Q·2, Q·2 W & i·2 incl barndoors	82051503
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A·4	80070217
☐	Diffusion filter for P·2, i·2 - medium, external	83061021
☐	Diffusion filter for P·2, i·2 - wide, external	83061022
☐	Diffusion filter for P·2, i·2 - elliptical horizontal, external	83061023
☐	Diffusion filter for P·2, i·2 - elliptical vertical, external	83061024
☐	RDM Addressing Tool	
☐		



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