

VEGA RGBW B5-B9

Technical Datasheet



PRODUCT FEATURES

Application	Architectural lighting
Insulation class	I-II
Protection rating	IP65
Impact resistance	> IK08
Mounting	Via bracket
B5 dimensions	240 x 300 x 78 mm; max 6 kg
B9 dimensions	450 x 300 x 78 mm; max 10 kg
Color	Grey; epoxy powder coating
Certifications	Components compliant with applicable CE and ENEC standards

MECHANICAL FEATURES

Body and cover	Die-cast aluminum with epoxy powder coating
Screen	Transparent glass, 4 mm thickness
Heat sink	Internal V-shaped aluminum fins
Wiring	Double silicone cable and PG7 cable gland

OPTICAL UNIT FEATURES

Optical unit	Modular LED modules with LEDiL or equivalent optics
LED	CREE XP-L RGBW, RoHS compliant
Color channels	RGBW with 3000 K white; 4000 K / 5700 K on request
LED power	3 W per color; 12 W total per RGBW LED
CRI	Ra >= 70; other values on request
Optic	LEDiL Type 2x2 symmetrical 10°/25°/50°/65°/100° or asymmetrical
Optic material	PMMA, RoHS compliant
Temperatures	Operating -40°C/+55°C; ambient -25°C/+50°C

ELECTRICAL FEATURES

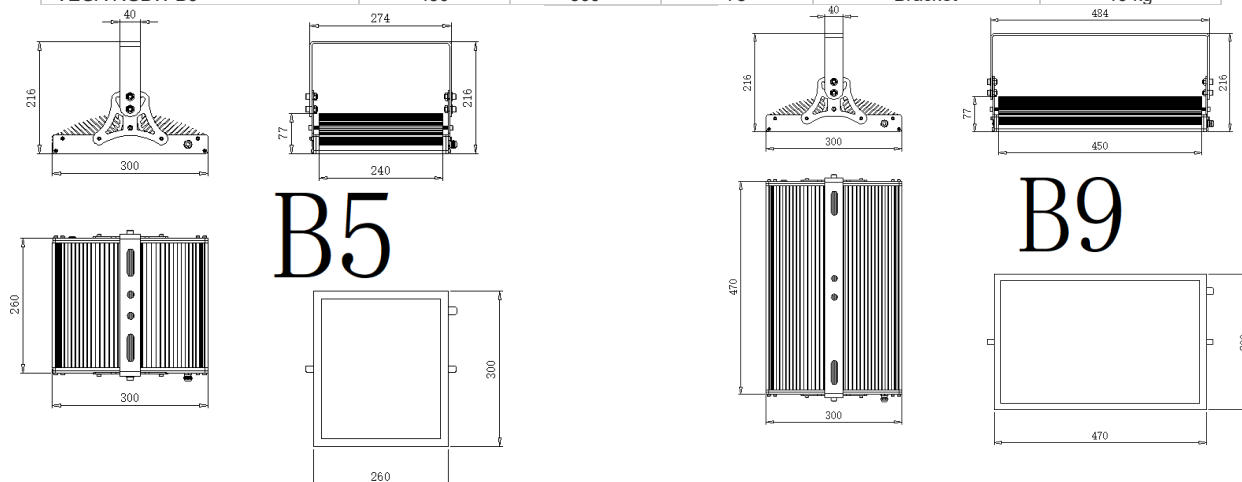
Voltage	220/240 V - 50/60 Hz
Power supply	Electronic dimmable Class I-II, IP67/IP40, Meanwell / Inventronics or equivalent
Driver efficiency	Up to 95%
Power unit	Class II
Power factor	cos Phi > 0.95
Protections	Short circuit, overvoltage and overcurrent
SPD	6 kV line-line; 10 kV line-earth
Control	DMX 512
Driver life	> 120.000 h @ case temperature 70°C

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Dimensions & Optics

DIMENSIONS

Model	L [mm]	W [mm]	H [mm]	Mounting	Max weight
VEGA RGBW B5	240	300	78	Bracket	6 kg
VEGA RGBW B9	450	300	78	Bracket	10 kg

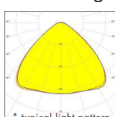


AVAILABLE OPTICS

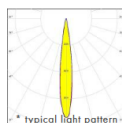
LEDiL Type 2x2 optics available in symmetrical or asymmetrical configuration, selected according to the application and lighting design calculation.



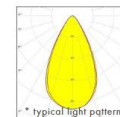
C14724_HB-2X2-WWW
~100° wide beam



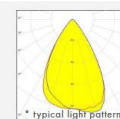
C14541_HB-2X2-RS
~10° spot beam



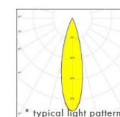
C12361_HB-2X2-W
~50° wide beam



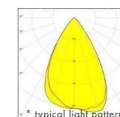
C13232_HB-2X2-WW
~65° wide beam



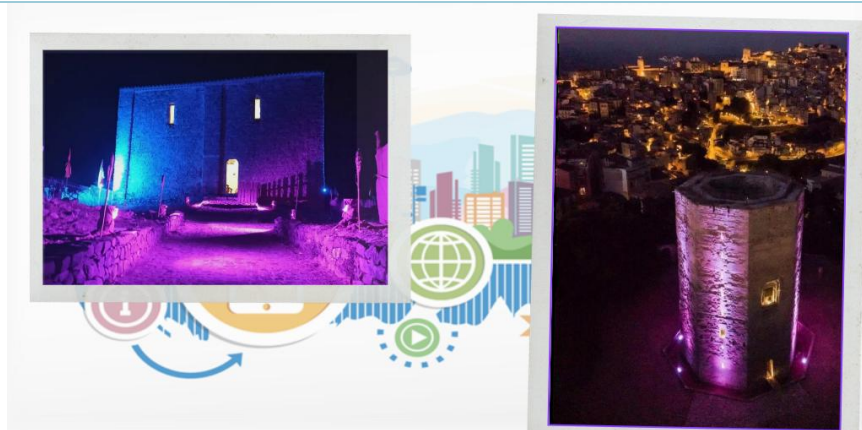
C13233_HB-2X2-M
~25° medium beam



C13232_HB-2X2-WW
~65° wide beam



EXAMPLES OF IMPLEMENTATIONS



VEGA RGBW B5-B9

Technical Data & Code Structure

PERFORMANCE AND CONFIGURATIONS

Values are to be considered with a tolerance of +/- 5%. Chromatic performance and actual luminous flux depend on the color channel used, the driving current, the selected optic and the DMX configuration.

Version	Max power single color	Max projector power	RGBW LEDs	Control
VEGA RGBW B5	60 W	120 W	24	DMX 512
VEGA RGBW B9	120 W	240 W	48	DMX 512

INDICATIVE RGBW LED DATA

Channel	Minimum range	Maximum range	Group	Min. flux @700 mA
Red	620 nm	630 nm	C6	95 lm
Green	520 nm	535 nm	C6	145 lm
Blue	450 nm	465 nm	C6	20 lm
Warm White	2700 K	3300 K	C6	140 lm

PERFORMANCE NOTES

CCT / RGBW	RGBW with 3000 K warm white as standard; 4000 K / 5700 K on request.
Optics	Symmetrical 10° / 25° / 50° / 65° / 100° or asymmetrical, according to the application.
Control	DMX 512 management for color scenarios, RGBW channel control and dimming.
Installation	Bracket mounting; inclination and aiming according to the support configuration.

PROPOSED PRODUCT CODE STRUCTURE

The following structure is a proposed format to configure the VEGA RGBW family consistently with the available technical variants.

Pos.	Field	Values	Description
1	Family	VEGA-RGBW	RGBW projector for architectural lighting
2	Body	B5 / B9	Mechanical size of the projector
3	Power	120 / 240	Maximum projector power
4	No. of LEDs	24 / 48	Number of installed RGBW LEDs
5	White CCT	30K / 40K / 57K	3000 K, 4000 K or 5700 K white
6	Optic	10 / 25 / 50 / 65 / 100 / ASY	Symmetrical or asymmetrical beam
7	Control	DMX	DMX 512 control

CONFIGURATION EXAMPLE

EXAMPLE	VEGA-RGBW-B5-120-24-30K-25-DMX
Description	VEGA RGBW B5, 120 W max projector power, 24 RGBW LEDs, 3000 K white, 25° optic, DMX 512 control.