ROXX®

CLUSTER **B2 W**

- 2 x 300W White
- WarmWhite + Amber + Red LED's
- Up to 20.000 luminous flux
- C-Lok Cluster System
- Magnetic Pre-Link system

All CLUSTER products can be easily connected both horizontal and vertically, by using the integrated C-Lok system. The series is made to enable toolless multiple array configurations, scalable from a single vertical line, to massive matrix like arrays. Due IP65 rating all products are outdoor ready and protected from ingress of dust and rain. There are several mounting options – Camlock mounts on top and back enable the use of Omega-Brackets, Yokes can be attached to mounting points on all sides, or the internal C-Lok system can be used for seemless interconnection. Pre-Link Magnets on top and side help to allign the fixtures, giving an incredible user-friendly operation and save interlocking. A specially designed rigging bracket is used for seemless connection of multiple Blinders, to avoid gaps due to bracing of the truss structure by variable, sliding mounting positions.
Floor extensions can be used to create vertical structures in single or double rows.

In the warmwhite versions, an emulated ´shift to warm´ warms the color temperature of the light as it dims. To deliver a perfect classic tungsten look, Amber and Red LED´s are mixed with the highpower warmwhite LED´s when decaying.
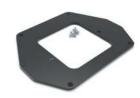
Accessories

Yoke 4.1
(Included)

Yoke 2.2
(Optional)

Yoke 4.3
(Optional)

Omega Bracket

Floor Extension

Rigging Bracket

Cases

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Technical Data

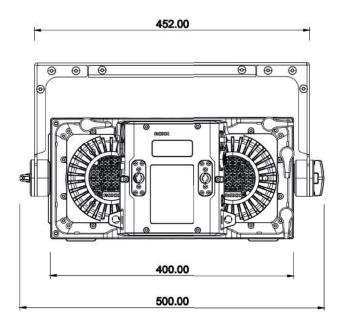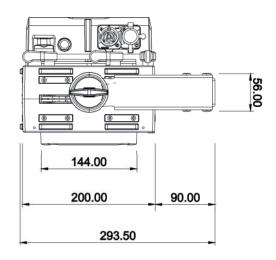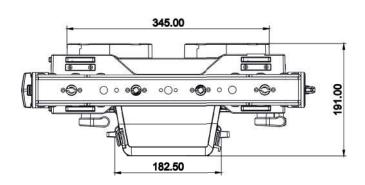| Photometrics	
LED expected lifetime	50.000 hours
Lightsource	2x 300W Warm-White + Amber + Red
Type of optical system	Reflector with Compound Eye Lens
LED PWM Frequency	selectable 800Hz, 1.200Hz, 2.000Hz, 3.600Hz, 12kHz, 25kHz
Beam angles (50%)	50°
Maximum Field angles (10%)	87°
Color temperature range	2.900K
CRI/Ra	80
Efficancy (max)	32 lm/W
Luminous flux	20.800 lm
illuminance Lux @ 1m / 3,3ft	21.228lx / 1972fcd
illuminance Lux @ 3m / 9,8ft	2360lx / 219fcd
illuminance Lux @ 5m / 16,4ft	870lx / 81fcd
illuminance Lux @ 7m / 23,0ft	440lx / 41fcd
illuminance Lux @ 10m / 32,8ft	218lx / 20fcd
Thermal Characteristics	
Cooling	Active, Forced Air, Temperature-regulated
Humidity (max.)	95%
Temperature range, Operating	-40°C to 45°C
Temperature range, Start-up	-20° to 45°C
Temperature range, Storage	-40°C to 80°C
Thermal Protection	Automatic overtemperature protection
Electrical Data	
AC Power, max	90 – 285V 50/60Hz
AC Power, nominal	100 – 240V 50/60Hz
Electrical protection	Overload protection with automatic recover
Max power consumption	650W
Constant power consumption	220W
Power Max. Out	13A @ 230V / 9A @ 120V
Power Linking @ Max Power Consumption (Boost Mode)	4 units @ 230V / 1 unit @ 120V
Power Linking @ Constant Power Consumption (Illumination Mode)	15 units @ 230V / 6 units @ 120V
Power Factor	0.963 PF (230V) / 0.994 PF (120V)
Power Supply Unit	Inbuilt auto-ranging electronic switch-mode
Operator & Controller	
DMX Functions	Master Dimmer, Master Dimmer Fine, Shutter, Duration, Dimmer 1-2, Dimmer 1-2 Fine, Dimmer Curve, Dimmer Response, Redshift, Effect, Device Settings
DMX channels	1CH DWE, 2CH DWE, 4CH DWE, 5CH STROBE, 7CH STANDARD (default), 10CH EXTENDED, 13CH EXTENDED
DMX modes	7
Protocol	USITT DMX512A RDM ANSI E1.20
Setting and addressing	OLED graphical display / 4 controls RDM ANSI E1.20
Standalone mode	Auto Program, Quick Light
Wireless DMX	n.a.

ROXX ®

Technical Data

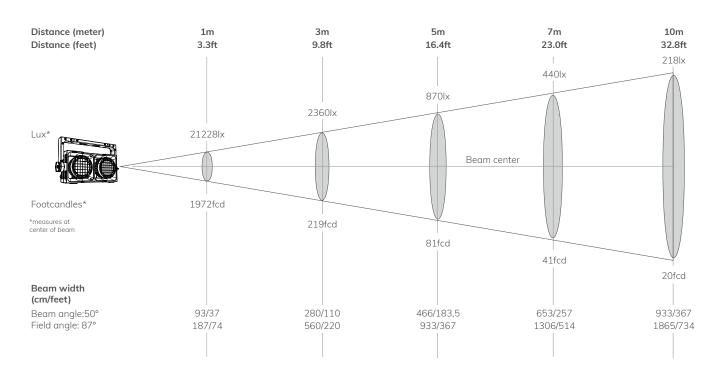| Operator & Controller	
Indicator	OLED graphical display
Controls	4 touch sensitive, backlighted controls
Strobe	0-20Hz
DMX I/O	IP65 XLR 5-pin male/female
Power In	TRUE1 compatible input & link-thru sockets
USB Firmware Update	IP65 USB socket
Dimensions & Weight	
IP class	IP65
IK class	IK08
Body material	Aluminum, Nylon
Lens material	Tempered glass front
Net dimensions without Yoke (w x h x d)	400 x 200 x 191mm
Net dimensions inches	15,75 x 7,87 x 7,52 inches
Net weight (incl. Yoke)	10,5 kg (23,15lbs)
Tilt	360°
Tilt Locking System	Locking system with toothing and angle indicator
Included / Optional	
Included Items	Yoke 4.1, 2m Power Cable, Puk
Optional Accessories	Yoke 2.2, Yoke 4.3, Yoke Floor Extension, Rigging Bracket, Omega Bracket ST
Color options	Black – RAL 9004 (Standard) Custom color – any RAL (on request)
Installation	
Mounting point by Yoke (included)	3x 13mm / 1/2" holes, 1x centric TV Spigot attachement, 3x integrated Camlocks for Omega Brackets
Mounting point on fixture	1/4 turn Omega Bracket on top and rear side
Mounting point with otional Rigging Bracket	2x 13mm / 1/2" holes for Clamp fixation
Orientation	Any
Rigging possibilities	Hanging or ceiling / pendant mount
Safety features	2x rear mount for safety wire
Minimum distance from flammable materials	0,3 meters (11,8 inch)

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Technical Drawing

452.00

400.00

500.00

56.00

144.00

200.00   90.00

293.50

345.00

191.00

182.50

Luminaire Photometrics

B2 W

Distance (meter)	1m	3m	5m	7m	10m
Distance (feet)	3.3ft	9.8ft	16.4ft	23.0ft	32.8ft

Lux*

					218lx
				440lx	
			870lx		
		2360lx			
Lux*	21228lx				

Beam center

Footcandles*	1972fcd				
*measures at center of beam		219fcd			
			81fcd		
				41fcd	
					20fcd

Beam width (cm/feet)					
Beam angle:50°	93/37	280/110	466/183,5	653/257	933/367
Field angle: 87°	187/74	560/220	933/367	1306/514	1865/734

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Order Number

CLUSTER	Order Number
B4 W	13204001
B2 FC	13202101
B4 FC	13204101

Accessories	Order Number
Yoke 2.2	13907001
Yoke 4.1	13907601
Yoke 4.3	13907101

Accessories	Order Number
Floor Extension	13907201
Rigging Bracket	13907411
Case 4 pcs. / 8 pcs.	13907411
Case 2 pcs / 4 pcs.	13907511
Omega Bracket	90900002

Further Versions

CLUSTER B4 W

CLUSTER B2 FC

CLUSTER B4 FC