Preliminary Datasheet
CLUSTER EVO B4

ROXX®

Photometrics	
LED expected lifetime	50.000 hours
Lightsource	4x 750W Red, Green, Blue, Amber, Warm-White
Type of optical system	Reflector with ROXX DWE glass lens
LED PWM Frequency	selectable 800Hz, 1.200Hz, 2.000Hz, 3.600Hz, 12kHz, 25kHz
Beam angles (50%)	73°
Maximum Field angles (10%)	117°
Color temperature range	2000-10.000K
CRI/Ra (5600K)	90
Efficacy @ 3000K	55lm/W
Luminous flux @ 3000K	79903lm
illuminance Lux @ 5m / 16,4ft (@ 3000K)	2146lx / 199,4fcd
Dimensions & Weight	
IP class	IP66
IK class	IK08
Body material	Aluminum, Nylon
Lens material	Tempered glass front
Net dimensions without Yoke (w x h x d)	400 x 400 x 191mm
Net dimensions inches	15,75 x 15,75 x 7,52 inches
Net weight (incl. Yoke)	14,2 kg (31,3lbs)
Tilt	360°
Tilt Locking System	Locking system with toothing and angle indicator
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	1718W @ 100V / 1574W @ 230V
Max. Power thru @ 100V:	0A (ETL) / 0A
Max. Power thru @ 230V:	5A (ETL) / 8A
Power Linking @ Max Power Consumption (Boost Mode)	0 units @ 120V / 0 units @ 230V (ETL)
Power Factor	PF 0,99 (120V) / PF 0,99 (230V)
Power Supply Unit	Inbuilt auto-ranging electronic switch-mode

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Included / optional	
Included items	Yoke 4.2, 2m Power Cable, Puk
Optional Accessories	Yoke 4.3, Yoke Floor Extension, Yoke Floor Bracket, Rigging Bracket G2, Line-Array Accessories, Omega Bracket ST
Color options	Black – RAL 9004 (Standard) Custom color – any RAL (on request)
Operator & Controller	
DMX Functions	Master Dimmer, Master Dimmer Fine, Shutter, Duration, Dimmer 1-4, Dimmer 1-4 Fine, Rot 1-4, Rot 1-4 Fine, Grün 1-4, Grün 1-4 fine, Blau 1-4, Blau Fine 1-4, Amber 1-4, Amber 1-4 Fine, Warm-White 1-4, Warm-White 1-4 Fine, CTC 1-4, Tint 1-4, Color Macro 1-4, Color Macro Crossfade 1-4, Dimmer Curve, Dimmer Response, Redshift, Effekt, Device Settings
DMX channels	1CH DWE, 2CH DWE, 4-1CH DWE, 4-2CH DWE, 9CH DWE+, 8CH STROBE, 22CH COMP RGB, 22CH SECTION RGB, 12CH RGB, 10CH BASIC RGB, 14CH BASIC RGB, 21CH STANDARD RGB, 38CH STANDARD RGB, 40CH EXTENDED RGB, 57CH EXTENDED RGB, 20CH DIRECT, 12CH DIRECT, 29CH DIRECT, 48CH DIRECT, 73CH DIRECT
DMX modes	20
Protocol	USITT DMX512A RDM ANSI E1.20
Setting and addressing	TFT display / 4 controls RDM ANSI E1.20 NFC (Near Field Communication)
Standalone mode	Auto Program, Color Macro, Quick Color, Tunable White, User Color
Wireless DMX	n.a.
indicator	TFT display
controls	4 backlighted controls
Strobe	0-20Hz
DMX I/O	IP67 XLR 5-pin male/female
Power In	IP67 TRUE1 compatible input & link-thru sockets
USB Firmware Update	IP67 USB socket
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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