

## E.SHOW FC

230W Single-Source LED

- 230W / 4 color LED
- 9.000lm luminous flux
- IP65 In/Outdoor

ROXX® Entertainment SHOW Series offers very high performance, weather-proof fixtures and features Single-Source-LEDs that produce an incredibly smooth lighting and uniform colors, providing a solution for any requirement. The LED variations range from a Tunable White over to a Full Color to a pure Tungsten and up to a Daylight version. Each one reaching an exceptionally good light quality with high CRI / TLCI and a massive light luminosity. The E.SHOW FC (Full Color) convinces with very strong, saturated colors and great white light quality. The RGBL LED produces a super balanced and luminous light without any color shadows. The addition of lime closes the gap between RGB, thus extending the color spectrum and improving the white light quality. ROXX® Color Calibration performs color matching across the entire range to ensure consistent colors throughout all fixtures and excellent whites as defined by the black body curve. Thanks to the specially developed ROXX® R.LOK technology, the lenses can be changed easily and without any tools. This allows the beam angle to be conveniently adjusted, whether from 17°, 35°, 59° or elliptical 16°x24° and 18°x57°. In addition to DMX and RDM control, Lumenradio's latest Wireless DMX technology (CRMX) enables wireless as well as flexible control plus integrating a Bluetooth interface allows direct controlling via unique ROXX.APP without additional hardware. Covering all possible requirements, the fixture includes an extensive range of accessories including 8-Way Barndoor, Honey Comb, Anti-Glare Shield, various lenses, Gel Frame, Omega Bracket and a specially developed Snapbag® and Snapgrid® by DoP-choice for an extremely even illumination of motifs in front of the camera.

### Accessories



Lenses



Accessory Holder



8-Way Barndoor



Honey Comb



Omega Bracket ST



Gel Frame



Snapbag®



Snapgrid®



Full Anti Glare Shield

### Apps

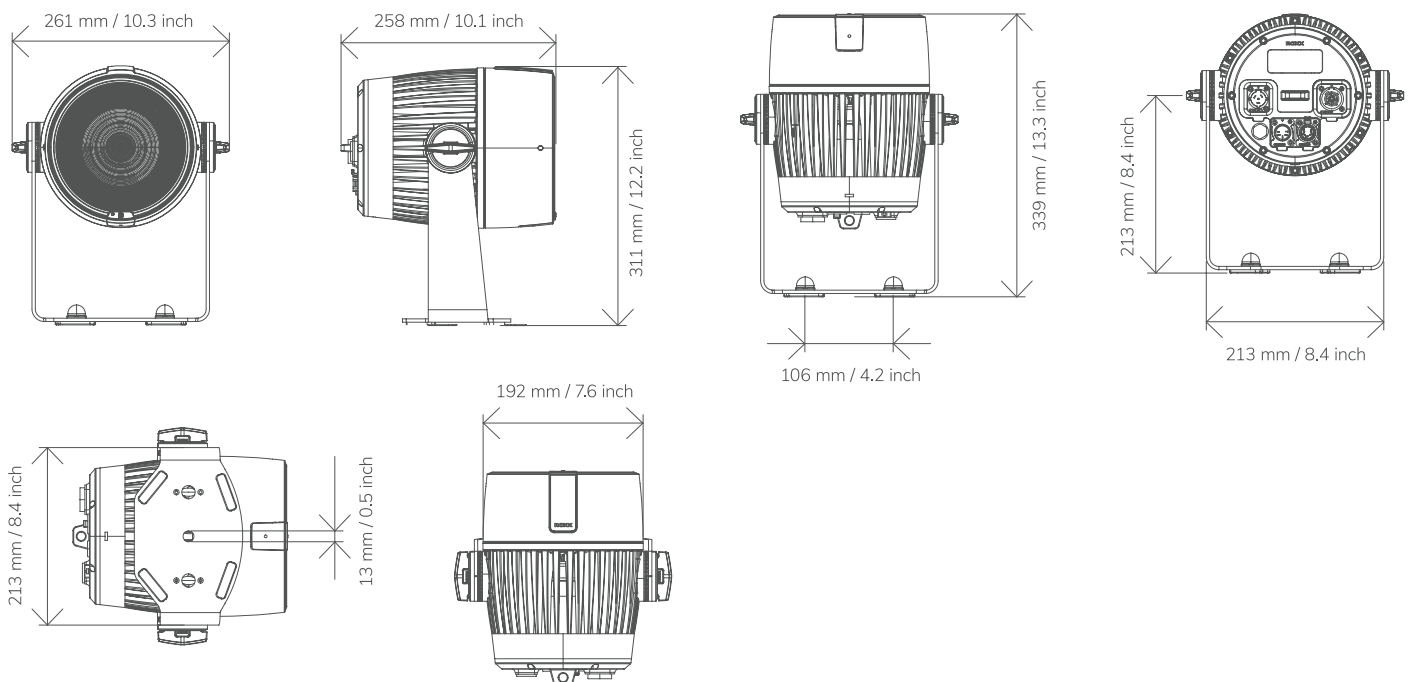


## Technical Data

Photometrics	
LED expected lifetime	50.000 hours
Lightsource	1x230W RGBL
Type of optical system	reflector + interchangeable lens plates
LED PWM Frequency	selectable 800Hz, 1200Hz, 2000Hz, 3600Hz, 12kHz, 25kHz
Beam angles (50%)	17° (with narrow lens) 35° (with medium lens) 59° (with wide lens) 16°x24° (with elliptical narrow lens ) 18°x57° (with elliptical wide lens )
Maximum Field angles (10%)	34° (with narrow lens) 70° (with medium lens) 88° (with wide lens ) 34°x45° (with elliptical-narrow lens ) 42°x80° (with elliptical-wide lens )
Color temperature range	2.000K – 10.000K
CRI/Ra	85
TLCI	77
Efficacy (max)	47,61 lm/W
Luminous flux	9.219 lm
illuminance Lux @ 5m (narrow lens)	1439 lx
illuminance Lux @ 5m (medium lens)	349 lx
illuminance Lux @ 5m (wide lens)	183 lx
illuminance Lux @ 5m (elliptical-narrow lens)	876 lx
illuminance Lux @ 5m (elliptical-wide lens)	372 lx
Thermal Characteristics	
Cooling	Active, Forced Air, Temperature-regulated
Humidity (max.)	95%
Temperature range, Operating	-20°C to 45°C
Temperature range, Start-up	-20°C to 50°C
Temperature range, Storage	-20°C to 80°C
Thermal Protection	Automatic overtemperature protection
Electrical Data	
AC power, max.	90 – 285V 50/60Hz
AC Power, nominal	100 – 260V 50/60Hz
Electrical Protection	Overload protection with automatic recover
Max Inrush Current	50A
Max power consumption	230W
Typical power consumption	154W
Standby power	6,7W
Max power thru @ 100 V	8A
Max power thru @ 230 V	8A
Power factor	0,92 PF (230 V) / 0,99 PF (100V)
Power Supply Unit	Inbuilt auto-ranging electronic switch-mode
Power Linking	4 units @ 120 V; 8 units @ 230 V
Operator & Controller	
DMX channels	3/10CH HSI, 3CH CCT, 3/6/9/11/14CH RGB, 4/8/11/16CH DIRECT
DMX modes	12

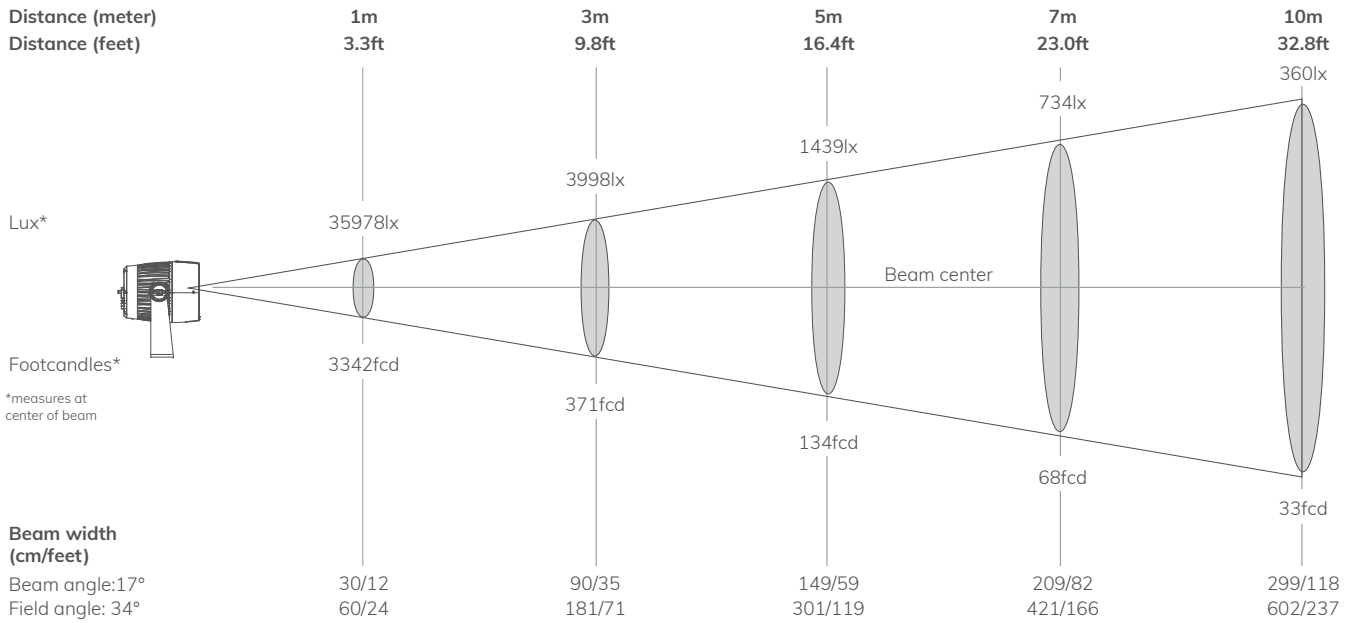
**Technical Data**

<b>Protocol</b>	CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S USITT DMX512A RDM ANSI E1.20 Bluetooth (Low Energy)
<b>Setting and addressing</b>	OLED graphical display / 4 controls RDM ANSI E1.20
<b>Standalone mode</b>	Auto Program, Editor, Color Macro, Quick Color, Tunable White, User Color, Timer
<b>Wireless DMX</b>	Lumenradio with RDM (CRMX)
<b>Indicator</b>	OLED graphical display
<b>Controls</b>	4 touch sensitive, backlit controls
<b>Strobe</b>	0-20Hz
<b>DMX I/O</b>	IP65 XLR 5-pin male/female
<b>Power I/O</b>	TRUE1 compatible input & link-thru sockets
<b>Dimensions &amp; Weight</b>	
<b>IP class</b>	IP 65
<b>Net Dimensions (w x h x d)</b>	261 x 311 x 258 mm
<b>Net Dimensions inches</b>	10,3 x 12,2 x 10,1 inches
<b>Physical Head Straight Up Height</b>	339 mm
<b>Net Weight</b>	5,7 kg (12,6 lbs)
<b>Included / Optional</b>	
<b>Included items</b>	2x radiator caps for pendant installation 2m power cable
<b>Color options</b>	Black – RAL 9004 (Standard) White – RAL 9010 Custom color – any RAL



**Luminaire Photometrics**

**Narrow Lens**



Lens	Angle	Distance									
		1m/3.3ft		3m/9.8ft		5m/16.4ft		7m/23ft		10m/32.8ft	
		Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch	Lux Center lx/fcd	Diameter cm/inch
N	Beam angle: 17°	35978/ 3342	30/12	3998/ 371	90/35	1439/ 134	149/59	734/ 68	209/82	360/ 33	299/118
	Field angle: 34°		60/24		181/71		301/119		421/166		602/237
M	Beam angle: 35°	8707/ 809	63/25	968/ 90	190/75	347/ 32	316/124	178/ 17	443/174	87/ 8	633/249
	Field angle: 70°		141/56		422/166		703/277		984/387		1406/554
W	Beam angle: 58°	4561/ 424	111 /44	507/ 47	334/131	182/ 17	557/219	93/ 7	779/307	46/ 4	1113/438
	Field angle: 88°		191/75		574/226		957/377		1340/528		1915/753
EN	Beam angle: 16°x24°	21886/ 2033	28x42/ 11x17	2432/ 226	85x125/ 33x49	876/ 81	142x209/ 56x82	447/ 42	199x292/ 78x115	219/ 20	285x418/ 112x165
	Field angle: 34°x45°		61x83/ 24x33		184x250/ 72x98		307x417/ 121x164		429x584/ 169x230		613x835/ 241x328
EW	Beam angle: 18°x57°	9303/ 864	31x108/ 12x43	1034/ 96	93x323/ 37x127	372/ 35	155x538/ 61x212	190/ 18	217x754/ 85x297	93/ 9	310x1077/ 122x424
	Field angle: 42°x80°		76x168/ 30x66		228x505/ 90x199		380x842/ 150x331		532x1179/ 209x464		760x1684/ 299x663

## Order Number

E.SHOW FC	Order Number
E.SHOW FC Black	11202101
E.SHOW FC White	11202102
E.SHOW FC Custom	11202103
Accessories	Order Number
E.SHOW Lens N (Narrow)	11207001
E.SHOW Lens M (Medium)	11207101
E.SHOW Lens W (Wide)	11207201
E.SHOW Lens EN (Elliptical Narrow)	11207301
E.SHOW Lens EW (Elliptical Wide)	11208201
E.SHOW Accessory Holder	11207401

Accessories	Order Number
E.SHOW Barndoor	11207501
E.SHOW Honey Comb	11207601
Omega Bracket ST	90900002
E.SHOW Case 4	11907801
E.SHOW Case 6	11907901
E.SHOW Case 8	11908001
SHOW Full Anti-Glare Shield (Black)	11208401
SHOW Full Anti-Glare Shield (Custom Color)	11208403
E.SHOW Snapbag by DoPchoice	11908301
E.SHOW Snapgrid 40° by DoPchoice	11208501

## Further Versions



E.SHOW TW+



E.SHOW T



E.SHOW D

