



NEO fx

Creative Pixel Washlight

- 24 x 40W RGBL provide a luminous flux of 12,000lm
- Dual independent zoom levels (patent pending), 4.5°-70° zoom range
- Magnetic Smart-Glass filter (patent pending) enables dynamic beam, wash and unprecedented graphic effects
- 60,000lx (RAW) / 57,000lx (5600K) @ 5m
- Single Pixel Control & Continuous Pixel Pitch across multiple devices
- IP65 In/Outdoor



The NEO fx is a powerful and versatile LED wash and effect light, designed for the most demanding lighting applications. With its IP65-rated housing, 24x40W RGBL LEDs, and a massive zoom range of 4.5°-70° enabled by two independent zoom levels (patent pending), it sets a new standard for creative lighting versatility. Delivering a luminous flux of 12,000lm (5600K) and an illuminance of 60,000lx (RAW) / 57,000lx (5600K) @ 5m, the NEO fx ensures exceptional brightness and performance in both indoor and outdoor environments.

The fixture stands out with patented features, including a unique zoom effect created when paired with the removable, magnetic Smart Glass Filter. This filter, also patented, adds a dynamic strobe effect and allows seamless transitions between a narrow beam, a wide wash, and stunning graphic effects, opening unparalleled creative possibilities.

Enjoy precise lighting control with single pixel control and continuous pixel pitch across multiple devices, enabling impressive graphic and light curtain effects. The fixture's quiet and fast motorized 188° tilt enhances dynamic lighting design, while numerous built-in effects offer foreground and background color control for easy animation and chase effects.

Its dual-input mode allows control to be split into basic and pixel functions for enhanced flexibility. Advanced wireless capabilities, including an integrated CRMX transceiver, Bluetooth module, and Near Field Communication (NFC), ensure effortless setup and configuration, even without power.

The NEO fx supports DMX, SACN, Art-Net, and RDM, giving you complete control over your lighting setup. Optional accessories include an elliptical holographic filter and anti-glare grid for precise beam shaping and glare protection, as well as touring cases for secure transportation.

With a CRI and TLCI of up to 85 across the white spectrum, the NEO fx delivers accurate and vibrant color reproduction for professional-grade results.

Whether used as a standalone unit or in combination with multiple fixtures, the NEO fx is the perfect choice for concerts, tours, festivals, live events, and broadcast productions, bringing state-of-the-art lighting effects to every stage.

Apps



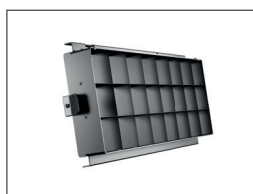
Accessories



Smart Glass Filter



Elliptical Horizontal Filter



Grid



Omega Bracket ST



Cases

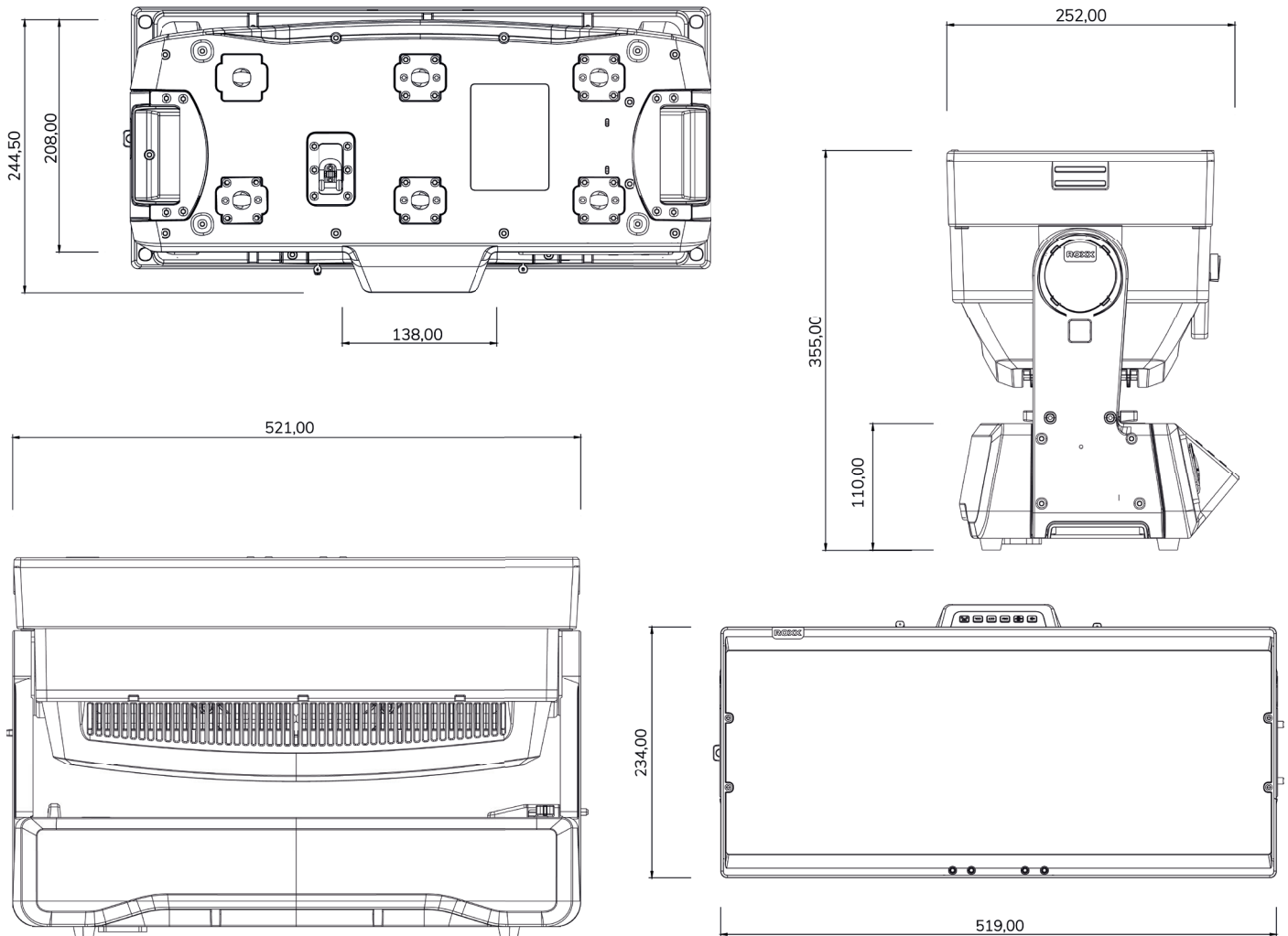
Technical Data

| Photometrics | |
|------------------------------------------------------------------|-----------------------------------------------------------|
| LED expected lifetime | 50.000 hours |
| Lightsources | 24x 40W RGBL |
| Type of optical system | Lightrid & PC Zoom lens |
| LED PWM Frequency | selectable 800Hz, 1.300Hz, 2.000Hz, 3.600Hz, 12kHz, 25kHz |
| Total Zoom Beam / Field angle | 4,5° - 70° (50% beam) / 6,9° - 142° (10% field) |
| Optical (Motor) Zoom Beam / Field angle | 4,5° - 30° (50%) / 6,9° - 40° (10% field) |
| Color temperature range | 2000-10.000K |
| CRI/Ra @ 5600K | 76 @ Normal CRI / 85 @ High CRI |
| TLCI @ 5600K | 63 @ Normal CRI / 75 @ High CRI |
| TLCI mixed @ 11.000K | 85 |
| Luminous flux @ 5600K (wide zoom / normal CRI) | 12.300lm |
| illuminance Lux @ 5m / 16,4ft (@ Full / RAW) @ narrow zoom | 59.820lx |
| illuminance Lux @ 5m / 16,4ft (@ 5600K Normal CRI) @ narrow zoom | 56.790lx |
| illuminance Lux @ 5m / 16,4ft (@ 5600K High CRI) @ narrow zoom | 34.780lx |
| Efficacy @ Full 230V (max) | 12.30 lm/W |
| Dimensions & Weight | |
| IP class | IP65 |
| IK class | IK08 |
| Body material | Magnesium, Aluminum, Nylon |
| Lens material | Tempered glass front |
| Net dimensions (w x h x d) - head straight up | 521 x 347 x 245 |
| Net dimensions inches - head straight up | 20,52 x 13,66 x 9,65 |
| Net weight | TBA |
| Tilt | 188° |
| Tilt Locking System | Mechanical locking system |
| Tilt Locking System | Locking system including 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 (Boost Mode) | 1234W @ 230V / 1310W @ 100V |
| Constant power consumption (Illumination Mode) | 1000W @ 230V / 1055W @ 100V |

Technical Data

| Electrical Data | |
|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Max. Out @ Max. Power Consumption (Boost Mode) | 5,55A @ 230V (1234W) / 13,44A @ 100V (1310W) |
| Power Max. Out @ Constant Power Consumption (Illumination Mode) | 4,44A @ 230V (1000W) / 10,6A @ 100V (1055W) |
| Power Linking @ Max. Power Consumption (Boost Mode) | 2 units @ 230V / 1 units @ 100V |
| Power Linking @ Constant Power Consumption (Illumination Mode) | 2 units @ 230V / 1 units @ 100V |
| Power Factor @ Max. Power Consumption (Boost Mode) | 0.993PF @ 100V / 0.976PF @ 230V |
| Power Factor @ Constant Power Consumption (Illumination Mode) | 0.994PF @ 100V / 0.976PF @ 230V |
| Standby Power | 40W |
| Power Supply Unit | Inbuilt auto-ranging electronic switch-mode |
| Operator & Controller | |
| DMX Channels | 15CH RGB, 19CH RGB, 26CH RGB, 30CH RGB, 28CH DIRECT, 33CH DIRECT, 81CH PURE, 154CH PURE, 9CH Dual mode, 10CH Dual mode, 95CH FULL ACCESS, 168CH FULL ACCESS |
| DMX Modes | 12 |
| Protocol | USITT DMX512A RDM ANSI E1.20 Art-Net sACN CRMX, W-DMX™ G2, W-DMX™ G3, W-DMX™ G4, W-DMX™ G4S Bluetooth (Low Energy) |
| Setting and addressing | 2.0" TFTdisplay / 10 controls RDM ANSI E1.20 Near Field Control (NFC) |
| Standalone mode | Auto Program, Color Macro, Quick Color, Tunable White, User Color |
| Wireless DMX | Lumen Radio transmitt & receive function (CRMX) |
| Indicator | 2.0" TFT display |
| Controls | 10 backlighted controls |
| Strobe | 0-30Hz |
| DMX I/O | IP65 XLR 5-pin male/female |
| Power In | TRUE1 compatible input & link-thru sockets |
| USB Firmware Update | IP65 USB socket |
| Included / Optional | |
| Included items | 2m Power Cable |
| Optional Accessories | Smart-Glass Filter (electronic frost), magnetic filter (elliptical-horizontal), Grid, Omega Bracket ST, Cases |
| Color options | Black – RAL 9004 (Standard) Custom color – any RAL (on request) |
| Installation | |
| Mounting point on fixture bottom side | 3x 1/4 turn Omega Bracket |
| Mounting point on fixture Yoke side | 1x 1/4 turn Omega Bracket |
| Orientation | Any |
| Rigging possibilities | hanging direct |
| Safety features | 1x bottom mount for fixtures safety wire / 2x head-mount (handle) for accessory safety wires |
| Minimum distance from flammable materials | 0,3 meters (11,8 inch) |

Technical Drawing



Order Number

| ROXX NEO fx | Order Number |
|----------------------------------------|--------------|
| ROXX NEO fx | 14203001 |
| Accessories | Order Number |
| NEO fx Filters (Smart Glass) | 14906201 |
| NEO fx Filters (Elliptical Horizontal) | 14906301 |
| NEO fx Grid | TBA |
| Omega Bracket ST | 90900002 |
| NEO fx Case | TBA |

