



The MAC 401 Dual CT Zoom™ is an exceptionally versatile, color temperature variable, white light source wash luminaire with fast zoom. It is also available as a module that easily fits onto either side of any MAC 401 Dual fixture, creating a white light or color plus white light source.

- n Brighter than traditional RGB LED fixtures
- n Color temperature adjustable
- n Exceptional quality of light
- n Excellent for highlighting skin tones or textiles
- n Fast linear zoom
- n Highly efficient with low power consumption

Physical Length: 221 mm
 Width: 505 mm
 Height: 527 mm
 Weight: 21 kg incl. 2 head modules, excl. brackets

Dynamic Effects Color temperature control: Variable 7 000 - 3 000 K
 Pre-programmed effects: Two superimposable chase/pulse/flip/flicker/strobe/static effects with variable intensity, x-fading and 'pixel wheel' rotation speed
 Strobe effect: Electronic, with pulse and random effects
 Electronic dimming: 0 - 100%, four dimming curve options
 Zoom: 16° in Hypermode, 20° - 50°
 Pan: 630° with two speed settings
 Tilt: 300° with two speed settings

Control and Programming Control: DMX
 DMX channels: 13/17/21/25/33 depending on control mode & pixel grouping
 Setting and addressing: Control panel with LED display
 Protocol: USITT DMX512/1990
 Transceiver: RS-485

Optics Light source: 36 x LedEngin 10 W warm white/daylight white emitters
 LED refresh rate: 887 Hz

Construction Color: Black
 Housing: High-impact flame-retardant thermoplastic and die-cast aluminum
 Protection rating: IP20

Installation Mounting points: 2 pairs of 1/4-turn locks
 Orientation: Any
 Minimum distance to combustible materials: 200 mm
 Minimum distance to illuminated surfaces: 200 mm
 Minimum distance to persons and objects in beam zone: 1 m

Connections AC power input: Neutrik PowerCon
 DMX data in/out: 5-pin locking XLR, RJ-45

Electrical	AC power: 100-240 V nominal, 50/60 Hz Power supply unit: Auto-ranging electronic switch-mode Main fuses: 10 AT (slow blow) x 2
Typical Power and Current	Only CT Zoom module installed (standard configuration) 100 V, 50 Hz: 398 W, 4.0 A, PF 0.994 100 V, 60 Hz: 400 W, 4.0 A, PF 0.995 110 V, 60 Hz: 399 W, 3.7 A, PF 0.993 120 V, 60 Hz: 400 W, 3.4 A, PF 0.992 208 V, 60 Hz: 396 W, 2 A, PF 0.964 120 V, 60 Hz: 749 W, 6.3 A, PF 0.993 208 V, 60 Hz: 732 W, 3.6 A, PF 0.980 230 V, 50 Hz: 731 W, 3.3 A, PF 0.965 240 V, 50 Hz: 730 W, 3.2 A, PF 0.955 <i>Measurements made at nominal voltage with all LEDs at full intensity. Allow for a deviation of +/- 10%.</i> 230 V, 50 Hz: 396 W, 1.8 A, PF 0.965 240 V, 50 Hz: 399 W, 1.8 A, PF 0.959 CT Zoom and optional RGB Zoom modules installed 100 V, 50 Hz: 770 W, 7.8 A, PF 0.996 100 V, 60 Hz: 765 W, 7.8 A, PF 0.997 110 V, 60 Hz: 755 W, 7.0 A, PF 0.995
Thermal	Cooling: Filtered forced air (temperature-regulated, low noise) Maximum ambient temperature (Ta max.): 40° C Minimum ambient temperature (Ta min.): 5° C Maximum surface temperature, steady state: 80° C Total heat dissipation (calculated, +/- 10%), one module installed: 1360 BTU/hr. Total heat dissipation (calculated, +/- 10%), two modules installed: 2630 BTU/hr.
Approvals	EU safety: EN 60598-2-17 EU EMC: EN 61000-6-1, EN 61000-6-3 US safety: UL 1573 Canadian safety: CAN/CSA E60598-1, CAN/CSA E598-2-17
Included Items	CT Zoom Module (installed): 91611349 Two Omega clamp attachment brackets with 1/4-turn fasteners: 91602001 User manual: 35000243 Neutrik PowerCon NAC3FCA male input connector: 05342804 Two 10 AT main fuses (installed): 05021029
Related Items	Martin USB Duo™ DMX Interface Box: 90703010
Spare Parts	10 AT main fuse: 05021029 Replacement head air filter: 62407156
Ordering Information	MAC 401 Dual™ CT Zoom, in cardboard box: 90231210

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