



WAC LIGHTING
Responsible Lighting

CASE STUDY | GINGKO BACCHUS

WINNER OF IES ILLUMINATION AWARD OF MERIT

CHENGDU, CHINA





JHT-007 with 008FP Low Voltage Track Head On 2-Circuit J2 Track System



When CD+M Lighting Design Group needed to specify energy efficient, high-performance lighting fixtures for an intimate restaurant environment in Chengdu (capital of Sichuan Province), China, the design firm contacted WAC Lighting for Responsible Lighting solutions in a variety of architectural task and ambient applications. The project received an IES (Illuminating Engineering Society) Award of Merit.

WAC Lighting, a leading manufacturer and designer of track, recessed, undercabinet, monorail and decorative lighting, develops nearly all of its Responsible products in the family owned, ISO 9001-certified manufacturing campus with in-house UL approved testing labs and zero landfill status.

Gingko Bacchus, known for its surrealistic blend of western and Chinese restaurant decor and food culture, was designed by Graft Design to create unique experiences with each visit to the space. To blend with the design concept, CD+M Lighting Design utilized WAC Lighting to add to the mystique by supplying high-performance lighting that could be concealed within the architecture. WAC deployed a combination of energy efficient, low voltage 2-circuit and linear track luminaires, xenon light bars and recessed halogen downlights. The WAC Lighting brand was specified for its broad selection of innovative styles, finishes, sizes and mounting options, for several unique applications,

The design firm used blacked out space as the focus, while guests “float” through “a river” created by undulated

wood ceiling and the stainless steel intarsiate floor patterns. Along “the river” are enlarged photographic reinterpretations of traditional Dutch still-life paintings, which are displayed as murals on the walls.

Lighting functionality and appearance needed to be dynamic since the images on the walls changed through time-controlled lighting systems. The images are placed behind one-way mirrors and certain elements of the images are highlighted and fade over time. The entire hallway appears to be set in slow motion-- when the lights fade, the images disappear, and the patrons appear to be reflected in the one-way mirrors.

WAC’s low voltage, two-circuit track system and luminaires were used for spot, ambient and general lighting applications. For hard to light display areas, swivel “Flex” fixtures were utilized with low voltage MR16 halogen lamps for pure, white light. Low voltage xenon Recessed Light Bars and diminutive Linear reflectors were used for undercabinet applications.

Eight private dining rooms are located like “boulders” along “a stream”—each is color coded and themed by food and famous Bacchus depictions. Each private dining room offers its own customized wallpaper featuring images of simple foods like carrots, mushrooms, walnuts, broccoli, beans, peppers and artichokes. WAC Spotlights were used with framing projectors to highlight the artwork by creating the appearance of self-illuminating surfaces. The fixtures’ adjustable metal shims form square and rectangular beams while projecting light on the paint work.



JHT-007-BK Low Voltage Track Head On 2-Circuit J2 Track System



Project Challenges:

- Conceal track luminaires that blend within the architecture.
- Offer dynamic, time-controlled lighting functionality.
- Project self illuminating surfaces without spilling light on surrounding walls.
- Create unobtrusive, warm light above mirrors and in displays.

Along the eight dining rooms, scenes from the myth of Bacchus are represented, from Caravaggio's depiction of Bacchus as a young "Boy with a Fruit Basket," to the "Triumph of Bacchus" by Velazquez. The paintings are used in pixilated abstraction, with graphics that are laser cut out of stainless steel sheets. Through the laser-cut Bacchus paintings, customers see the illuminated background of the vegetable wallpapers and Arcadian landscapes.

Through pixilated and laser cut images of grapes, Nymphs – playmates of Bacchus- can be viewed from different angles on the ceilings. The sexual undertone is repeated in the custom designed counters, tables and sofas, which are composed in various forms of embrace and separation.

To create unobtrusive, soft warm light above mirrors and in dramatic displays, WAC Lighting provided miniature low voltage recessed downlights, including gimbal rings, slot trims and step baffles. WAC fixtures illuminate dark tinted mirrors and reflective surfaces to create surrealistic extensions of space; blurring guests' orientation. Interplay of illusion and reflection is represented throughout the restaurant. The fixtures were also used to light all of the dining areas, as well as decorative architectural pieces such as the mirrored walls down the main corridor, and the floating perforated metal panels in the private dining rooms. For the mirrored walls, WAC 2-circuit track and luminaires were controlled separately on timed control systems that were set at different intervals. The track system created a random effect that gave guests different experiences when walking past each of the installations.



Model JHT-007
with 008FP

Product used for installation



Model HR-1137



Model J2-T8

Miniature low voltage surface mounted and track mounted luminaires were used to highlight artwork and accent pieces, and deliver dramatic theatrical effects.

About CD+M Lighting Design Group, LLC

CD+M Lighting Design Group covers the full spectrum of architectural lighting design, blending theatrical lighting expertise, energy-efficient architectural lighting techniques and years of construction experience with exciting, high-quality designs that is both cost-effective and easily maintainable.

Principal Designer Ted Ferreira has been actively involved in the design and production of entertainment, educational and mixed-use commercial facilities. His work ranges from conceptual design to project management and site supervision for more than 250 projects worldwide, exceeding \$3 Billion. For this project, he and Patrick Yu, the senior associate based in, and operating from their Beijing office, formulated the concept, layout, selection and controls for the Gingko Steakhouse.

CD+M is a global consulting firm with staffed offices in Atlanta, Los Angeles, Orlando, New York, Dubai and



Project:
Ginkgo Bacchus, Chengdu China

Lighting Design:
CD+M Lighting Design Group

Interior Design:
GRAFT Design

Lighting:
WAC Lighting - Responsible Lighting

Beijing, which retains a diverse team of professional designers who have participated in more than 750 projects over the past 26 years.

About GRAFT Design

Since its establishment in 1998, GRAFT Design has been commissioned to design and manage a wide range of projects in multiple disciplines and locations. With the core of the firm's enterprises gravitating around the field of architecture, GRAFT has always maintained an interest in crossing the boundaries between disciplines and "grafting" the creative potentials and methodologies of different realities.

The firm's collective professional experience encompasses a wide array of building types including Fine Arts, Educational, Institutional, Commercial and Residential facilities.

GRAFT executes projects from programming to design and through construction, and governmental agency review, while rigorously undertaking an increasing role in programming, master-planning and urban design. The company has won numerous awards in Europe, as well as in the United States.

About WAC Lighting

WAC Lighting has developed a stellar reputation for high quality decorative and task lighting lines backed by an extraordinary level of service, an unprecedented shipping record, and a Five Year Product Warranty.

This year WAC Lighting has received the TED Magazine's "Best of the Best" Marketing Award for the INVISIBLED™ LED Literature/Selling Tools. WAC President Shelley Wang has also recently received Residential Lighting

Magazine/ALA Industry Leadership Award. In addition, the company received the 2009 New York Minority Enterprise Development Supplier Of The Year Award.

To reflect Green energy saving strategies, social progress and community involvement, WAC had changed its company standard to "Responsible Lighting." Helping to lead the industry's sustainability charge, the firm has contributed to social progress with responsible manufacturing practices and energy saving technology. The firm employs stringent sourcing, water recycling, lead-free and zero-landfill capabilities in its wholly owned, Clean ISO 9001-certified manufacturing campus. Sustainable CFL and LED lighting products have been added to the extensive line with the most energy efficient technology available for cabinet, track, niche, cove, recessed, and decorative lighting applications.

The firm retains its corporate headquarters and east coast distribution center in Garden City, New York, a west coast distribution center and offices in City of Industry, California, and a showroom in Dallas, Texas. Nearly 90% of WAC Lighting products are fabricated, including components, at its state-of-the-art manufacturing campus in China.

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