Aria Resort and Casino, Las Vegas, NV

Design Architect: Pelli Clarke Pelli
Lighting Design: Brandston Partnership, Inc.
Architect of Record: HKS
CityCenter Team: Gensler (of Nevada)
Illuminating Concepts
Tishman Construction
Perini Building Company
Photography: Dana Hoff

Building Crown:
Typical bay: 15′ wide (column spacing) x 36′ tall
Horizontal fins: 6′ deep, stacked vertically at 3′-10″ o.c.
Lighting: (689) F164-T139-H-02-2-V0-0 (3′) and
(365) F164 units of various other lengths/wattages
Estimated illuminance: 15 fc avg. initial on underside of fins
Estimated power density: 0.48 W/sf of fin surface area

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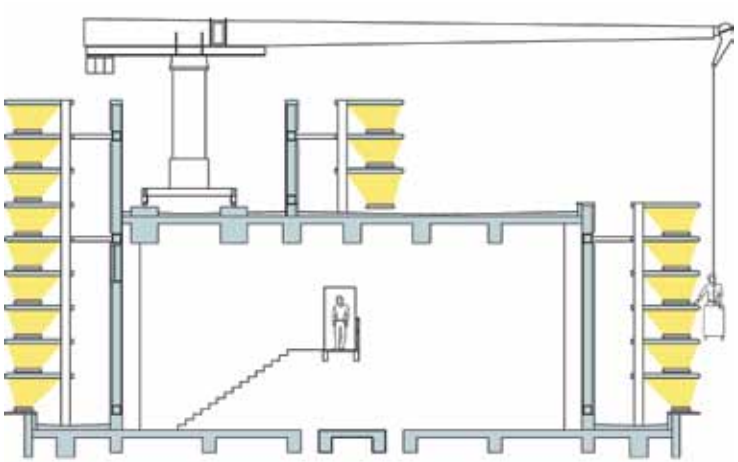
elliptipar Style F164

The Aria's two curvilinear steel and glass towers, topped by distinctive glowing crowns of diffused light, are the tallest structures in CityCenter. The crowns feature 10 levels of horizontal fins stacked vertically and spaced 3'-10" apart. **Style F164** luminaires with visors are mounted near the outboard sides of the fins where they can be reached from the washing rig.

Non-directional fill light was added to the corners using **F164s** with heavy prismatic diffusion lenses to provide a symmetric light distribution. The result is a uniform wash of light up the faces of the crowns that creates a dramatic glow in the night sky.

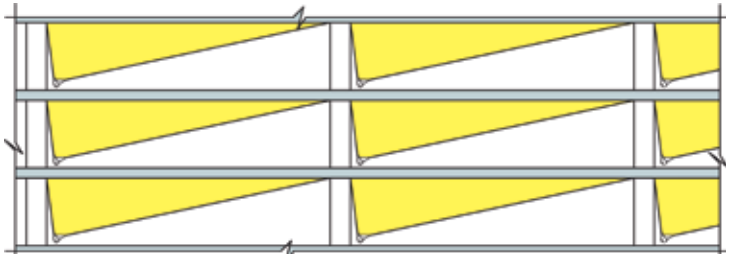
From its inception, the plan for CityCenter was to embody sustainable design and to bring a new level of environmental consciousness to the Las Vegas Strip. The 3.8 million square foot Aria property is the world's largest hotel to achieve a LEED Gold rating from the U.S. Green Building Council.

The illuminated crown elements wrap around the top 36' of each 600' tall tower, creating a signature presence on the Las Vegas skyline.



Maintenance is accomplished via rooftop window washing rigs, shown here in a schematic section through the south tower's mechanical penthouse.

To meet OSHA fall arrest requirements and for relamping with tool-less entry, each **F164** is equipped with a snap-on lens compression fitted over the extruded fixture body and tethered to the fixture by a small stainless steel cable.



Linear **F164s** oriented perpendicular to the main curtain wall are aimed to light in a repetitive direction (shown here as left-to-right) in every structural bay of each elevation.

Style F164 is Cradle to Cradle Certified℠, designating environmental safety and reusability in component materials.

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