



# FORTACAST<sup>®</sup>

Drive-Over Inground Lighting

Inspiration

  
ORGANIC LIGHTING<sup>®</sup>





Culture Kings flagship store, Caesar's Palace Forum, Las Vegas, Lighting Design by LDA Los Angeles Architect, BunnyFish Studio. Contractor; Shawmut design and Construction.  
[www.organiclighting.com](http://www.organiclighting.com)

Patent#11,644,163B2 / International patents pending

Organic Lighting's® revolutionary buriable polymer concrete FortaCast® lighting fixtures overcome all the limitations of drive over lighting. The structural, self supporting fixtures can be installed in roadways, paths or stonework with the ease of installing pavers. FortaCast® sections lock together to form continuous illuminated straight or curved lines capable of supporting up to 10,000 PSI.

Encapsulated, P68 submersible LEDs are flood and typhoon proof and are replaceable from an end of run.

## FortaCast® is a modular drive-over lighting system with endless design possibilities.

Constructed of interlocking polymer concrete sections, self supporting paver style units lock together to your design without the high cost of secondary housings. Replaceable lighting installs at one end and runs up to 90 feet.

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- Drive over to 10,000 PSI.
- Self supporting; No secondary housings.
- Long Continuous lighting runs.
- Vibration proof.
- Low energy; Up to 100,000 hours lifetime
- Lights are replaceable from one end.
- Extreme environment tested.
- Perfectly diffused light.
- Program effects or synchronize.
- Polymer GFR concrete, no metal.
- Impact resistant upper surface.
- Non slip.



## Safety First

As we become more and more entranced in the world at our fingertips, statistics are rising of hazards to the modern phone “zombie”. Fortunately, the FortaCast®, with its seamless inground design, 10,000 PSI capability, and IP68 weather proof feature, provides for endless solutions for our ever evolving population. The inground illumination is far more visible to the pedestrians’ eye and can be synchronized with traffic signaling.





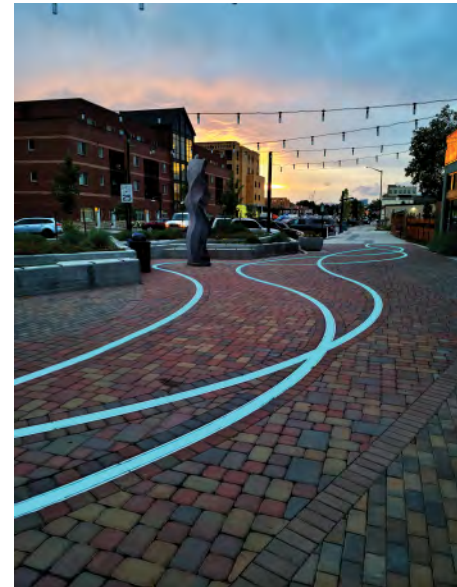
## Lighting the Way for Transportation

FortaCast® is a completely customizable lighting solution that can provide reliable, energy efficient illumination for transportation and infrastructure projects. With a range of options including safety enhancing colors, brightness and durability. You can create a unique environment using cutting edge lighting technology that will seamlessly incorporate into any design and enhance the safety, functionality and beauty of any transportation project.



## Architectural

Before FortaCast®, illuminated practical drive-over lighting was limited to straight lines. Installation was complicated and costly. Failures were continuous and maintenance was difficult.



## Creativity Without Limits

Unleash your creativity without limits with FortaCast®! Create a unique and unforgettable environment, from color changing LEDs to completely customizable shapes that gives you the power to design an atmosphere that truly reflects your vision and dream.

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Willow Street Plaza Art in Public Places - Illuminated Inground Application , Fort Collins, CO,  
Lighting Design by Clanton & Associates, Landscape Architecture by BHA Design  
[www.organiclighting.com](http://www.organiclighting.com)



# Themes & Scenes



Willow Street Plaza  
Fort Collins, CO



Culture Kings, Las Vegas, LDA  
Los Angeles



Drive Shack, West Palm Beach, FL

# All Shapes & Sizes

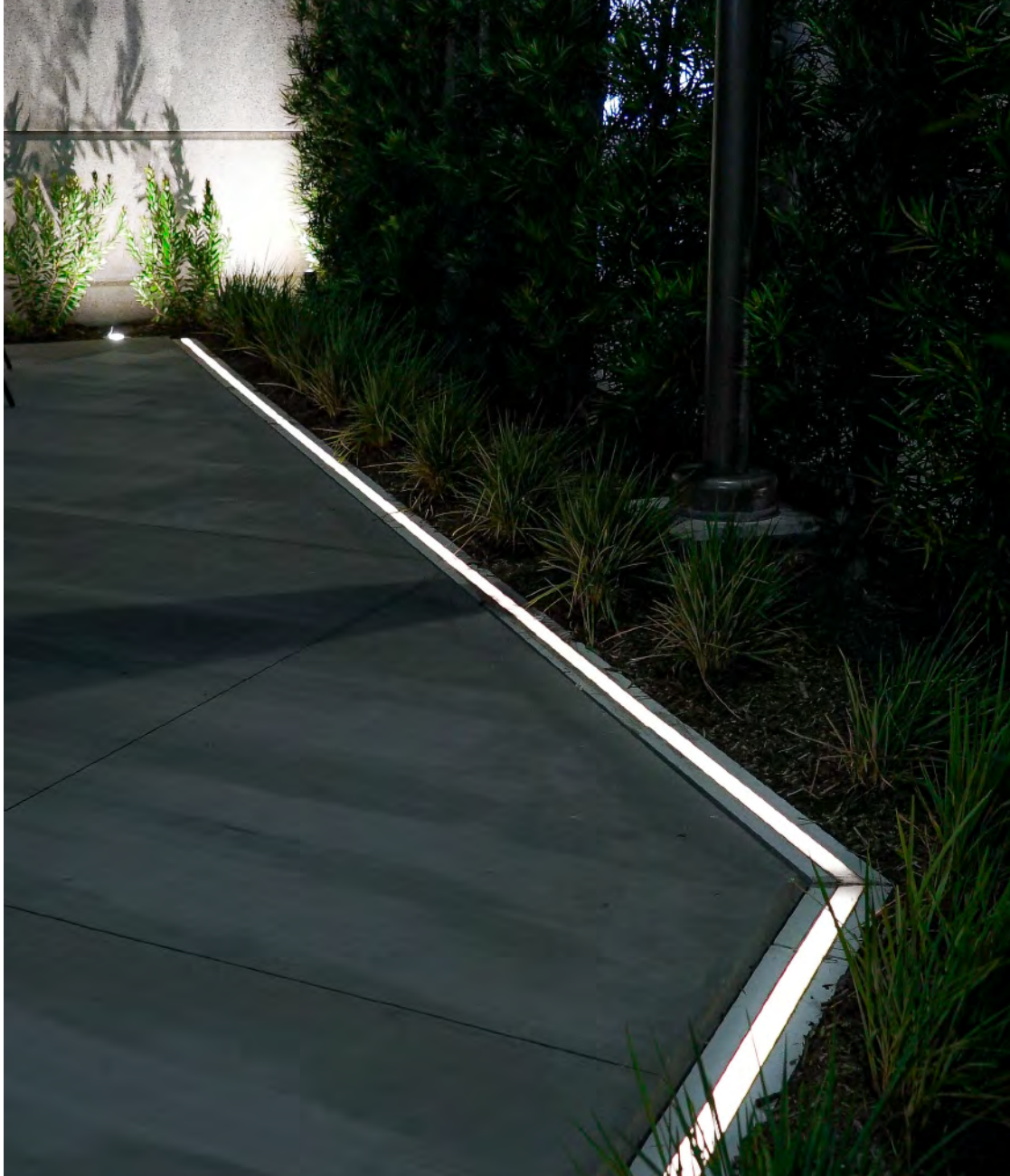
Get in touch with your natural side with Organic geometry - A celebration of lines, curves and organic forms! Experience the magic and possibilities of FortaCast®.



Las Vegas Raiders Headquarters  
Architect: Leo A Daly Las Vegas, Design  
Architect: Manica Architecture, Kansas City

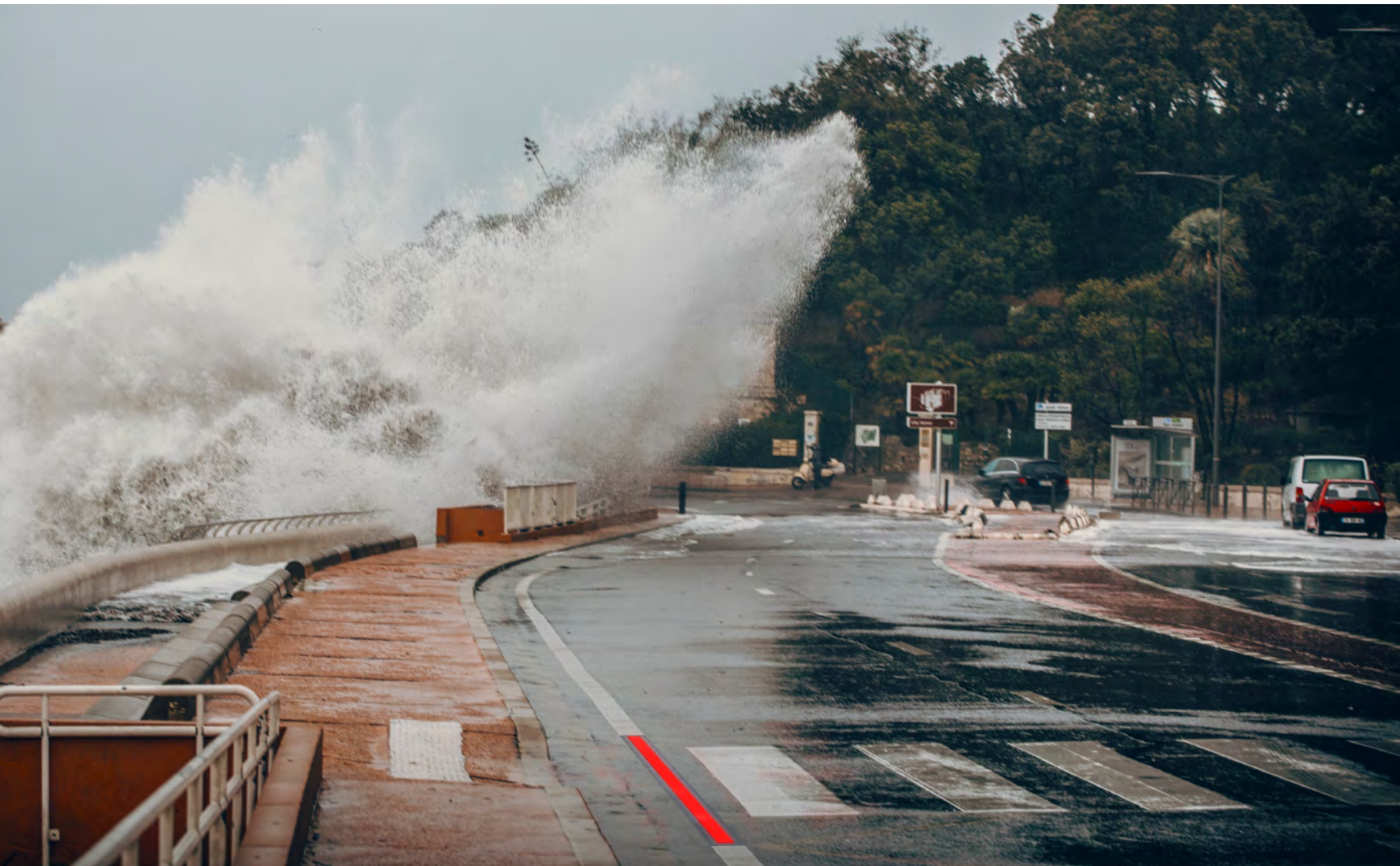


500 Broad St, Floor to Wall Application  
Columbus, OH  
NBBJ & Architectural Alliance



City Tower, Orange CA, Interior Architects, Inc.

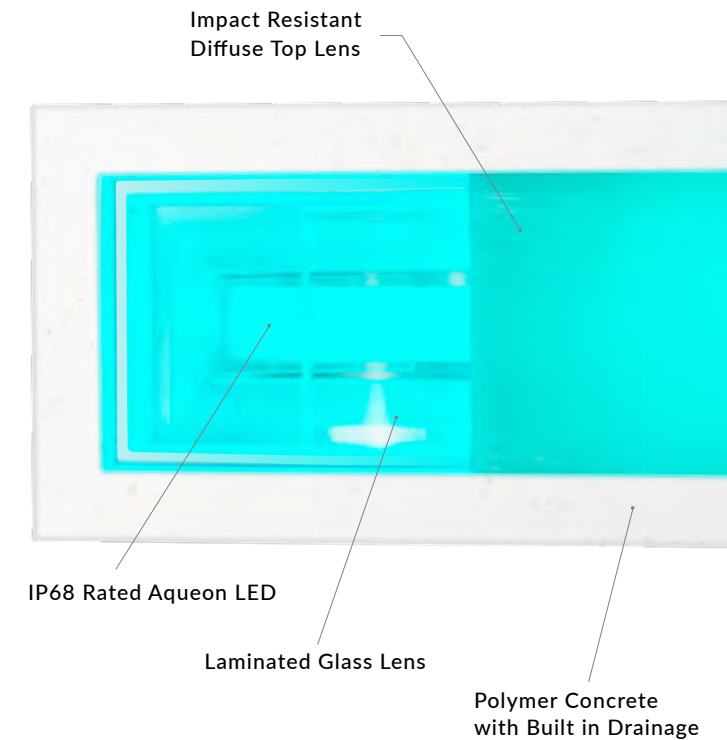




## Aqueon® LED

Submersible, Flood proof, Vibration proof, and capable of withstanding the harshest environments. Aqueon® is a new type of flexible light. Superior standards, new materials, new methods, military grade components and advanced circuit design.

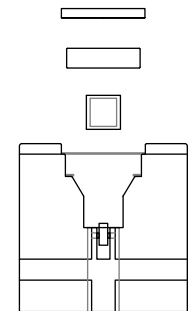
Low energy (1.83W/ft | RGBW 2.74W/ft) DMX programmable, streaming digital pixel with remote 24V drivers (Dimmable 0-10V).



## Built to Last

Precision cast structural sections lock in place, becoming part of the surrounding surface. Structural laminated glass with anti-vibration cushioned sealing and a protective impact resistant upper lens seals the structure. Encapsulated, diffused LEDs, are submersible, chemical resistant and replaceable. Drive-over applications support up to 10,000 PSI. Suitable for high traffic roadways.

Patent Pending.



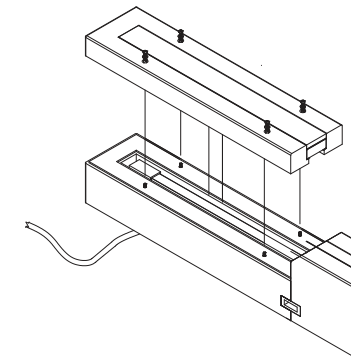




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## Contractor Friendly Installation

FortaCast® sections are set in place, connect and lock together. Numbered sections are delivered to site, ready for installation. After all construction and lenses are in place, the Aqueon® LED lighting is installed from one end of the run. Miniature rollers guide the LED strip to the end of the run. Simple!



## Easy to Maintain

After a long life of up to 50,000 hours, the Aqueon® LED is easily to replace. Simply slide out the LED strip through the LED access point and slide in a new Aqueon® LED strip. Like changing a light bulb!





Orange County Courthouse - Law Enforcement Memorial, Orlando, FL

**FORTACAST.**

Patent#11,644,163B2

International patents pending

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