

# FORTACAST®

Drive-Over Inground Lighting

Inspiration

US Patent #11,644,163B2 | International Patents Pending







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)

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, IP68 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 (27m).

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- Drive over to 10,000 PSI.
- Self-supporting; No secondary housings.
- Long Continuous lighting runs.
- Vibration proof.
- 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.





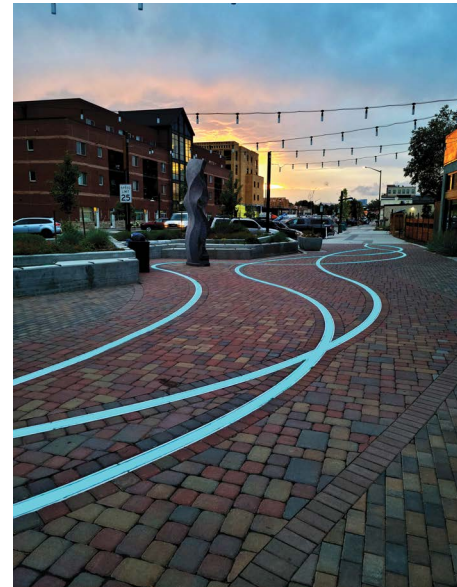
## Lighting the Way for Transportation

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

FortaCast® revolutionizes drive-over lighting, introducing versatile illumination beyond traditional straight lines. Adding simplified installation, reduced costs, enhanced reliability, and easy maintenance; Setting a new industry standard for linear ingrade lighting.



## 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  
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# Themes & Scenes



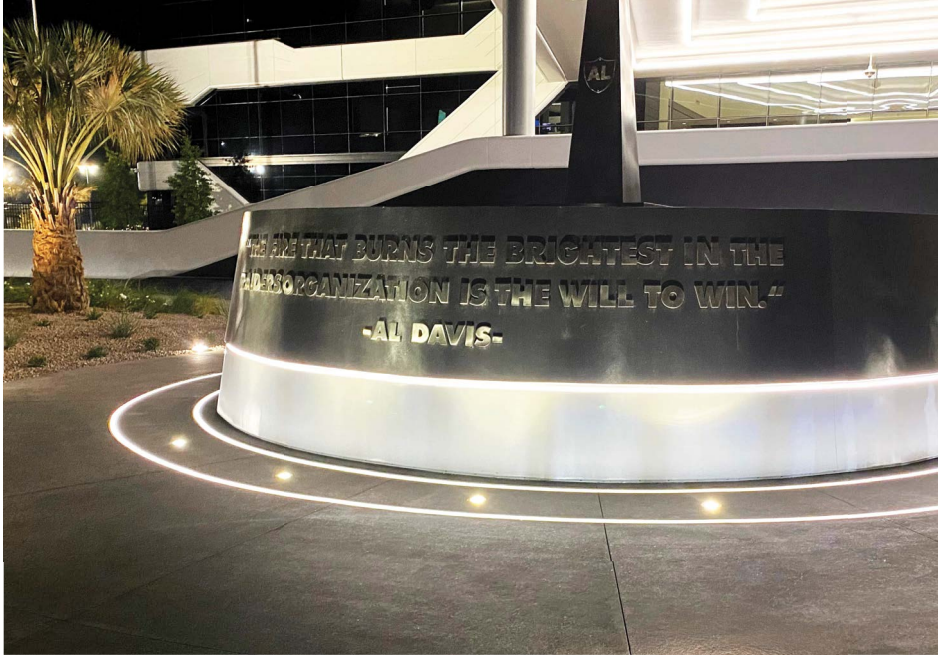
Willow Street Plaza  
Fort Collins, CO



September 11, 2001 Memorial  
Clarksburg, WV



Drive Shack, West Palm Beach, FL



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



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

# 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®.



Krog District - Pocket Park, Atlanta GA, CORE Landscape





Texture



SMOOTH



SANDWASH



SANDBLAST



SANDBLAST HEAVY

Color



BLANCO



CAPPUCINO



LAREDO



CREAM



NUEZ



GRIS



CARBON



DURANGO



MOCHA



Montage Park, Chula Vista, CA  
Lighting Designer: Kenny Perez Jr.-Visual Concepts Lighting, Inc. (VCL)  
Photography: Eddie Flores - Love Life Photography

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## Customize Your Concrete

FortaCast® is more than just strength and durability — it's also about aesthetics. We offer a wide range of color and texture options that let you customize the look and feel of your concrete to complement any architectural style or design vision. Blanco Smooth combination is the FortaCast® standard. Explore our 9 color options and 4 texture options to tailor to your design. Custom concrete colors are available. Sample finishes on request.

## Vibrant Color Choices

Choose from our curated palette of integral colors — from warm earth tones to bold contemporary hues. Our color formulations are UV-stable and fade-resistant, ensuring long-lasting beauty in any environment.

## Distinctive Textures

From smooth, modern finishes to rugged, natural stone looks, FortaCast® offers a full spectrum of surface textures. These finishes are designed not only for visual appeal, but also for slip resistance and tactile interest.

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## Versatile Profile Options

FortaCast® offers a range of profile options tailored to meet the needs of any space — from sleek architectural environments to high-impact commercial installations. With multiple lens sizes and customizable widths and heights, FortaCast® gives you complete control over the visual presence and performance of your lighting system.

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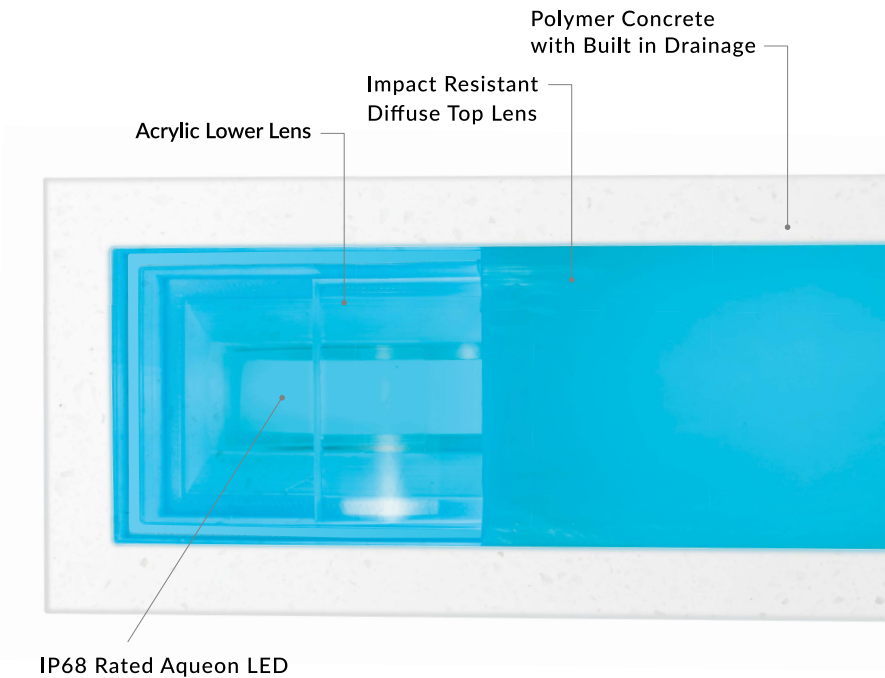




# Aqueon® LED

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)/ (6W/m | RGBW 9W/m) 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 acrylic lower lens 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.



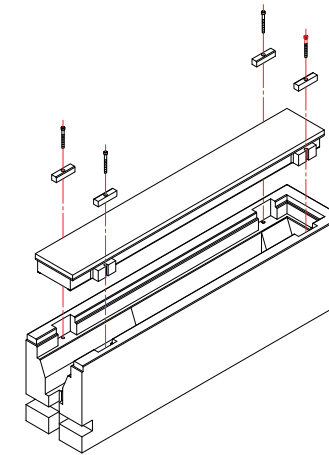
	FORTACAST™	Traditional Inground
Interior & Exterior Compatible	✓	✓
Customizable Design	✓	X
Easy Maintenance	✓	X
Simple Installation	✓	X
Environmentally Sustainable	✓	X
Supports 10,000 PSI	✓	X
IP68 Submersible	✓	X





## Contractor Friendly Installation

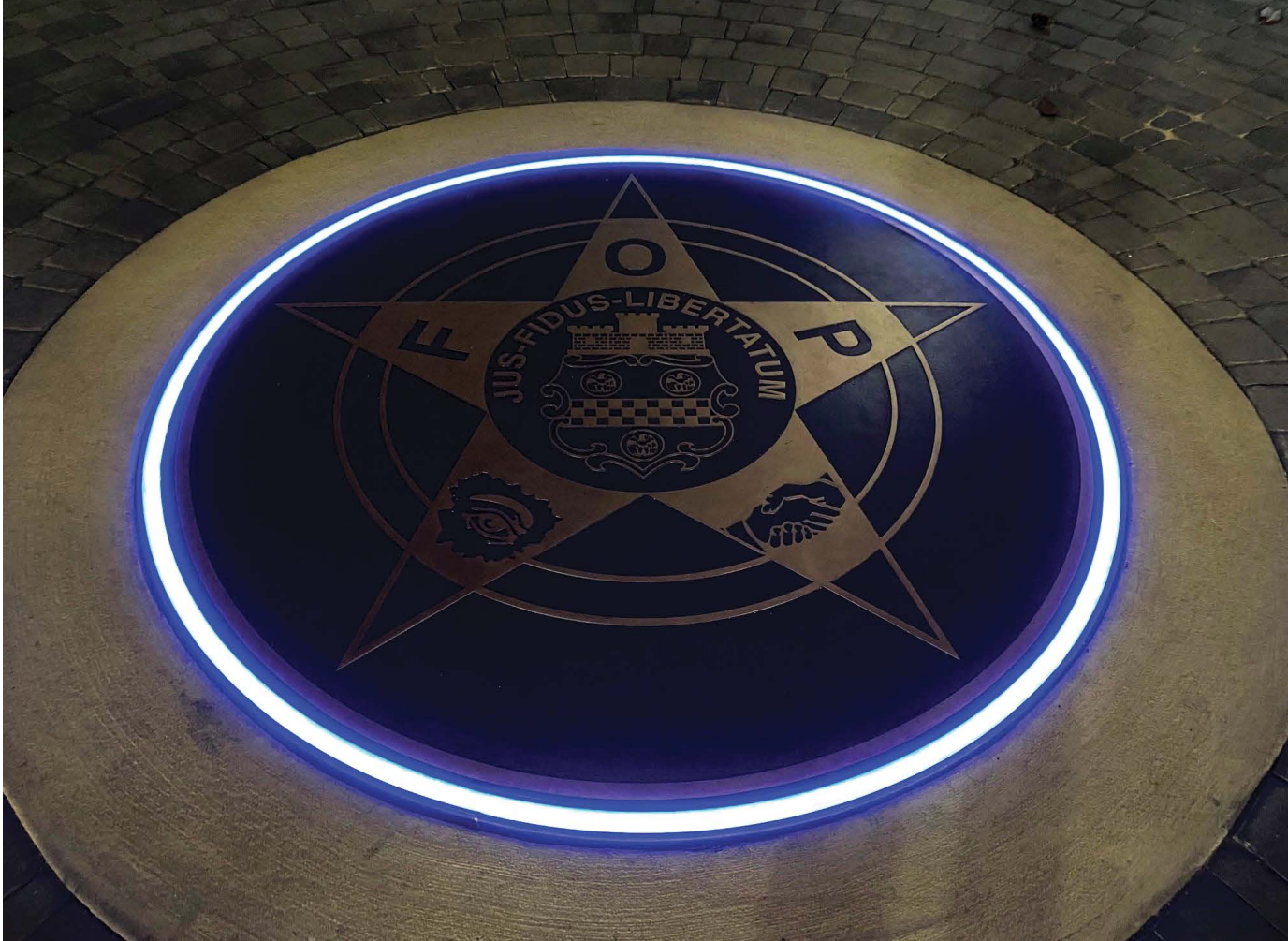
FortaCast® sections are set in place, connect and lock together. Numbered sections are delivered to site, ready for installation. After all construction and lenses are in place, the Aqueon® LED lighting is installed from one end of the run. Miniature rollers guide the LED strip to the end of the run.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



## Easy to Maintain

After a long life of up to 60,000 hours, the Aqueon® LED is easy to replace. Simply slide out the LED strip through the Power Endcap and slide in a new Aqueon® LED strip. Like changing a light bulb!





Orange County Courthouse - Law Enforcement Memorial, Orlando, FL



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