

# Illuminating Water Towers

An Application Guide



# Celebrating Local Identity

Whether a water tower is used, as a potable water source, fire protection, or simply as required public infrastructure, water tanks are sources of local community pride.

Water towers vary in size from one hundred thousand gallons up to a million gallons or more, and can be found in most US communities and around the world. Some cities have multiple water towers throughout the community.

Of the thousands of water towers in the US, many simply feature their city's name. However, others emphasize a local university or sports team, or a town logo, brand or slogan. Some even feature murals or locally manufactured products, all bringing pride, humor or neighborhood flavor.



# Extensive Experience Lighting Public Infrastructure

Our passion since 1997 has been breathing new life into landmarks and municipal spaces with dynamic and innovative LED lighting.

Whether you're looking to replace failing, energy-intensive lighting, increase safety within public spaces, drive tourism, or foster civic pride, we provide lighting systems that attract visitors, make cities better places to live and work, and strengthen a regions identity.

Reliable, energy-efficient government building and landmark lighting including:

- Bridges and Underpasses
- Parking Garages
- City Halls and Public Buildings
- Power Stations and Utility Buildings
- Airports
- Parks and Plazas
- Arenas

See more examples how lighting professionals around the world are using our LED lighting solutions to inspire memorable experiences, create beauty, attract crowds, build brands – and achieve their creative visions.

Visit [colorkinetics.com/global/showcase](https://colorkinetics.com/global/showcase)



State of Flow

## BAPS Shri Swaminarayan Mandir

An end-to-end Color Kinetics LED lighting system elevates the visitor experience and the BAPS Shri Swaminarayan Mandir structure as a spectacular landmark

[View showcase](#)



Meow Wolf Denver -...



Omn...



Höck Plaza Building



Kickapoo Lucky Eagle...



T-Mobile Arena



Mosaic



UCLA



Lit Brothers



Birmingham Regions...



The Lens





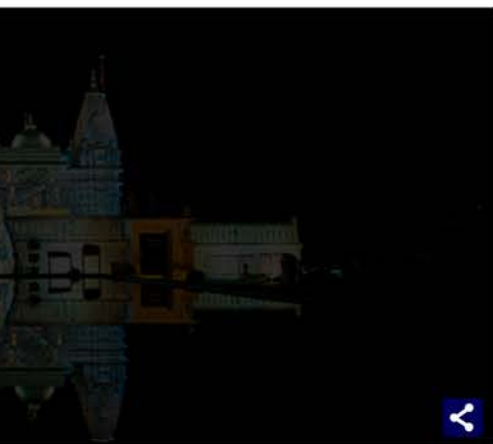
Erie Canals



Empire State Building



Las Olas City Centre



Flushing Ganesh Temple



Stamford Train Station



Otis Booth Pavilion Los...



Anaheim Convention...



San Antonio Colorline...



i Viking Lakes Hotel



The Davis Building



Marc Brickman Residence



Endeavour Condo Clear...



151 N Franklin St



Health Training...

## Terminal Tower

Located in the heart of downtown, the Terminal Tower has become the Cleveland's most recognizable landmark with its ancient Roman style architecture.

[View showcase](#)



Helix Garage



San Francisco City Hall



SandRidge Commons



The New York Historical...



Fairfield Inn and...



# Lighting Built for Your Application

Revitalizing your project with stunning dynamic LED lighting can create a unique identity for all types of infrastructure – from new, modest, and utilitarian to historic, monumental, and iconic.

**Get the unique capabilities you need:**

## Blast

Get the best and brightest flood light



With Blast OptiField you get exceptionally even lighting all around a water tower without hotspots and banding.

## BurstScape

Beautiful light—from the ground up



BurstScape shows the effect of the light but not the luminaire with this rugged in-the-ground spotlight.

## ReachElite

Delivering the right light for your project



And for very large projects, we offer ReachElite High Punch the luminaire that delivering lumens at distance and only where needed.

# Experience and Expertise

At Color Kinetics, we're committed to delivering systems that meet the evolving needs of our customers.

Matching the right solution to your project requires a clear vision of the kind of content you'll be using—and what effect you desire.

- **We deliver integrated systems**

You get a complete (and fully integrated) system—not a set of components that have to be pieced together into a system.

- **We're experts in controlling LED lighting systems**

As experts and innovators, we can offer you real-world advice, clear answers, and all the support you need to make your vision a reality.

- **We're dedicated to sustainable solutions**

Energy efficiency and sustainability aren't an option anymore—they're critical to our future.

- **Our experts have broad lighting experience**

Access to our responsive experts and certified system integrators can help answer questions and achieve the results you want.



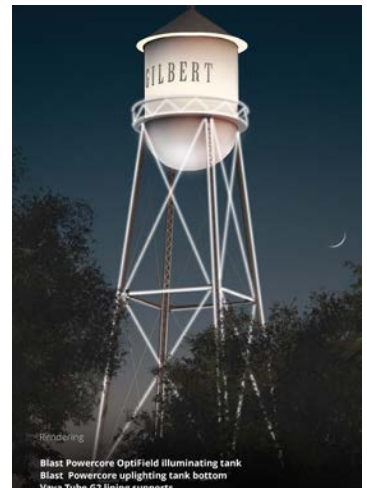


# Projects

Color Kinetics provides high-performance LED lighting systems across a wide range of applications for facades, from grazing, washing, flood and spot lighting to direct view.

The clear message behind these impressive projects? Anything is possible with Color Kinetics. And we're here to help you every step of the way.

## Gilbert Water Tower, Gilbert, Arizona



This water tower built in 1925 at a height of 70 m (230 ft) was actively used as fire protection and later as a water source until 1985.

Currently the centerpiece of Gilbert's Water Tower Plaza in downtown Gilbert, the water tower features lighting events during holidays, Cancer and Alzheimer's awareness, heritage district holiday lighting, and many other events.

### Products

Blast Powercore, OptiField

Blast Powercore

Vaya Tube G2

Flex Compact gen3, RGB

## Warner Brothers Studio Water Tower, Burbank, California



A historic water tower, originally built in 1927 as an emergency water supply, this 41 m (127 ft) 100,000-gallon water tower features the WB logo and is a company icon itself.

For more information  
[www.colorkinetics.com/global/showcase/wb-water-tower](http://www.colorkinetics.com/global/showcase/wb-water-tower)

### Products

ReachElite High Punch Powercore

iPlayer 3

## Olde Town Arvada Water Tower, Arvada, Colorado



Built in 1910 in the center of Arvada Colorado this 46 m (152 ft) tall 150,000-gallon water tower was completely restored as part of an area-wide revitalization effort.

The new energy efficient lighting system consumes just 11% of the power the previous lighting used, and the precisely controlled system is also designed to light only the tower, not the sky.

For more information  
[www.colorkinetics.com/global/showcase/arvada-water-tower](http://www.colorkinetics.com/global/showcase/arvada-water-tower)

### Products

Blast Powercore, OptiField

iPlayer 4 Controller

## Paramount Studios Water Tower, Los Angeles, California



Less than 10 miles from the Warner Brothers water tower on the Paramount Studios lot in Los Angeles is another iconic water tower.

Standing 41 m (133 ft), this tower features the Paramount logo and is a beloved icon of Animaniacs fans.

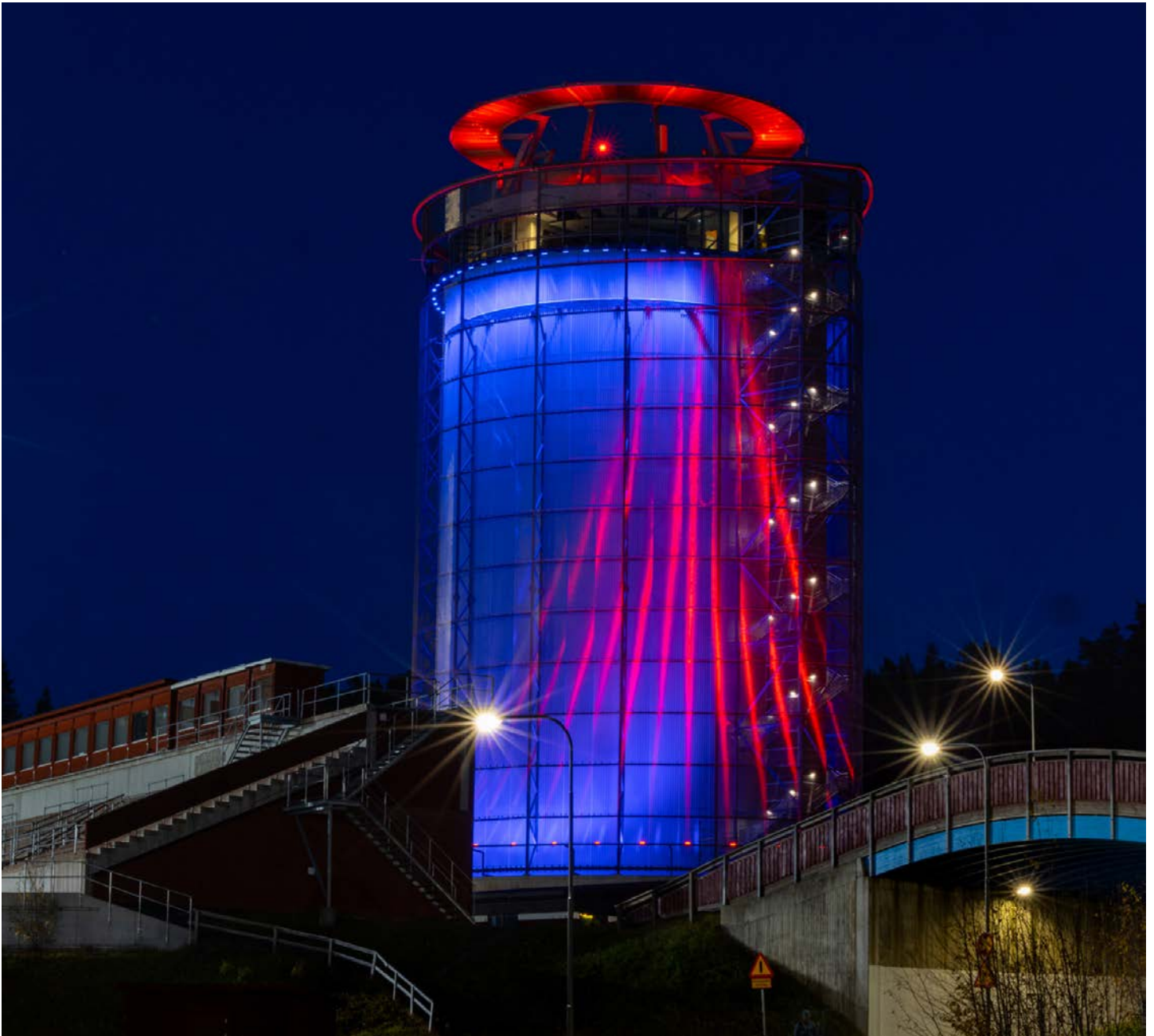
For more information  
[www.colorkinetics.com/global/showcase/paramount-water-tower](http://www.colorkinetics.com/global/showcase/paramount-water-tower)

### Product

ReachElite High Punch Powercore

iPlayer 3 Controller

## Arctura, Östersund, Sweden



This 6.8 million gallon “giant thermos” sits 210 ft tall and 88 ft diameter as part of a heat and power plant.

The new lighting for Arctura significantly reduced energy usage while simultaneously enhancing its visual impact and brightness as part of the city skyline.

For more information  
[www.colorkinetics.com/global/showcase/arctura](http://www.colorkinetics.com/global/showcase/arctura)

### Products

Blast Powercore, OptiField

iPlayer 4 Controller

# Water Tower Lighting Scenario

When considering illuminating water towers there are two primary areas of focus, the water tank itself and its supports.

## Water Tank

While a water tower has an average height of 130 ft, the tank itself has a height of 20 to 50 ft with varying circumferences.

Water tanks have a wide range of shapes and sizes and are most often made of steel and reinforced or prestressed concrete. They often have a circular or oval tank bottom, a walkway around the tank base, and a roof overhang.

### Luminaires

**Blast Powercore** is an exceptionally versatile luminaire available in 5 beam angles. Additionally Blast luminaires offer OptiField technology which provides full, bright, even light perfect for lighting the circumference of the tank when even lighting is important. Depending on the tank height, installing Blast OptiField 6 ft apart around the tank with a 6 ft or more setback is typical. Depending on the size of the walkway, mounting arms or brackets may be required for optimal tank lighting.

**ReachElite High Punch** features a 3° native beam illuminating structures over 1,000 ft. Perfect as a long-distance spotlight bringing emphasis to the side of a tank where a town name or logo might appear.

For maximum output consider **ReachElite High Output** for floodlighting and wall washing applications.

## Water Tank Supports

Supports that hold the tank high in the air vary in size, length, shape, quantity, and material, therefore many illumination options are available including grazing, spotlighting, flooding and direct view.

### Luminaires

Blast Powercore, Burst Powercore, and BurstScape Powercore are all excellent for grazing supports and for spotlighting the tank bottom.

Adding lines of light along the vertical and horizontal supports with **Vaya Tube** or **Accent Compact** is a popular and effective way to create beautiful effects and bring attention.

With **Flex Compact** or **Flex Micro** you get bendable, adjustable strands of LED nodes that you can configure and arrange as you see fit—from a consistent grid to complex geometries. Flex can be used as an accent adding visual interest.

Blast  
Powercore



#### Blast Powercore

High-performance exterior customizable floodlight

|             |          |                |
|-------------|----------|----------------|
| Lumens      | - Color  | 1,733 to 3,007 |
|             | - eW     | 2,999 to 3,635 |
| Power       |          | 21.6 to 47.9 W |
| Environment | Exterior |                |

#### Blast Powercore, Optifield

Coated luminaire delivers extremely uniform illuminance, providing smooth, even light and subtle shading with reduced setbacks—without hotspots or banding.

|        |         |                |
|--------|---------|----------------|
| Lumens | - Color | 1,157 to 2,170 |
|        | - eW    | 2,999 to 2,700 |
| Power  |         | 21.6 to 47.9 W |



**ReachElite High Punch** features 36 high-power LEDs per 100W module with a 3° native beam illuminating the tallest structures up to 571.1 m (1,874 ft) away with a 300W Essential White luminaire.

**Key differentiators:** Long throw, powerful punch, proven reliability  
Native beam angle: 3°  
Ideal applications: Grazing, spotlighting



**ReachElite High Output** features up to 87 lumens per watt (lm/W) with more than 500 mid-power LEDs per 100W module with a native 20° native beam.

**Key differentiators:** Maximum lumens, high efficiency, close mixing distance  
Native beam angle: 20°  
Ideal applications: Floodlighting, wall washing

ReachElite  
Powercore



Graze  
Compact  
Powercore

Vaya  
Tube G2

Flex  
Compact

Burst  
Powercore

BurstScape  
Powercore



#### Accent Compact

This high-resolution IP66 rated linear direct view luminaire with dynamic, color-changing RGBW light comes in 3 lengths, and is controlled in increments down to 1% in, or up to 4 ft.

#### Vaya Tube G2

This lightweight IP66 rated compact linear direct view luminaire with dynamic, color-changing RGBW light comes in 1 and 4 ft lengths, and has 6 in controllable sections.

#### Flex Compact & Micro

Flex offers IP66 rated flexible strands of 50 individually controllable LED nodes, in a variety of standard configurations, and numerous custom options.



#### Burst Powercore

You'll find Burst Powercore luminaires lighting architectural façades, bridges, parks, landscapes, and a wide range of other exteriors.

**Key advantages:** 2 form-factors, Architectural and Landscape, 7 beam angles, 3 light options, 3 housing colors, and a full range of accessories.



#### BurstScape Powercore

BurstScape's in-ground design delivers bright light, but keeps its source hidden while lighting buildings, walls, and façades.

**Key advantages:** Durable and hermetically sealed, IP65/IP66/IP67 rated BurstScape can withstand walk-over and slow drive-over traffic.

# Color Kinetics complete range of lighting controllers

To unlock the full potential of your luminaires, you need the right controller.

From simple to use all-in-one controllers with pre-programmed light shows, to full-featured controllers with timeline-based show editing, Color Kinetics offers a full range of control options that integrate perfectly with your project.

Read more about why **Control Matters**



## Creative control with our complete, easy-to-use system

Color Kinetics Creation & Control portfolio was designed for content creators providing a faster, easier way to create fantastic light shows. With easy-to-use tools and an intuitive user interface it all adds up to a great experience.

### Color Kinetics Creation & Control Portfolio includes:

ColorPlay 4 – Next-generation creative authoring software.

QuickPlay Pro 2 – Advanced commissioning and control software.

iPlayer 4 – Compact but powerful show storage and playback solution.

| Features                             |  iColor Player |  ColorDial Pro |  Antumbra Button iColor Keypad |  Antumbra Touch iColor Keypad |  iPlayer 3 |  iPlayer 4 |
|--------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
| Protocol                             | DMX                                                                                               | Ethernet                                                                                          | Ethernet                                                                                                          | Ethernet                                                                                                          | DMX                                                                                             | Ethernet                                                                                        |
| Nodes                                | 170                                                                                               | 170                                                                                               |                                                                                                                   |                                                                                                                   | 340                                                                                             | 500 – 15,000                                                                                    |
| Light Universes                      | 1                                                                                                 | 1                                                                                                 |                                                                                                                   |                                                                                                                   | 2                                                                                               | 1 – 90                                                                                          |
| Light Show Playback (Quantity)       | 1                                                                                                 | 8                                                                                                 | 6                                                                                                                 | 6                                                                                                                 | >100                                                                                            | >100                                                                                            |
| Lighting Effects Playback (Quantity) | 25                                                                                                | 7                                                                                                 | 6                                                                                                                 | 6                                                                                                                 | 25                                                                                              | 12                                                                                              |
| Video Playback                       | —                                                                                                 | —                                                                                                 | —                                                                                                                 | —                                                                                                                 | —                                                                                               | Animation Effects with Image/Frame                                                              |
| Scheduling                           | —                                                                                                 | —                                                                                                 | —                                                                                                                 | —                                                                                                                 | Configurable on device                                                                          | Configurable on Web Interface                                                                   |
| Multiple Zones                       | —                                                                                                 | —                                                                                                 | —                                                                                                                 | —                                                                                                                 | —                                                                                               | Supported                                                                                       |
| Sensors Integration                  | —                                                                                                 | —                                                                                                 | —                                                                                                                 | —                                                                                                                 | Contact closure with AuxBox via serial port                                                     | —                                                                                               |
| Keypad Integration                   | —                                                                                                 | —                                                                                                 | On-Board                                                                                                          | On-Board                                                                                                          | Serial Keypad                                                                                   | Ethernet Keypad                                                                                 |
| API / Cloud                          | —                                                                                                 | —                                                                                                 | —                                                                                                                 | —                                                                                                                 | —                                                                                               | HTTP REST via Interact Landmark                                                                 |
| Commissioning Software               | QuickPlay Pro 2                                                                                   | QuickPlay Pro 2                                                                                   | QuickPlay Pro 2                                                                                                   | QuickPlay Pro 2                                                                                                   | QuickPlay Pro 2                                                                                 | QuickPlay Pro 2                                                                                 |
| Authoring Software                   | ColorPlay 3                                                                                       | —                                                                                                 | Antumbra iColor Keypad Effect Manager                                                                             | Antumbra iColor Keypad Effect Manager                                                                             | ColorPlay 3                                                                                     | Light System Composer                                                                           |
| Power Consumption                    | 5 W                                                                                               | PoE                                                                                               | 3 W max via PoE                                                                                                   | 3 W max via PoE                                                                                                   | 5 W                                                                                             | 180 W maximum                                                                                   |

For more information visit [colorkinetics.com/controls](http://colorkinetics.com/controls)

Surge Protection

# 4-line surge protection, from Color Kinetics

Color Kinetics Surge Protector Powercore delivers 4-line surge protection against electrical surge transients for all Color Kinetics Powercore luminaires.

Learn more about **Surge Protector Powercore**

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