



# LAWSON DESIGN & ENGINEERING LLC.



## LED Lighting Specialists

LD&E offers a full range of services to builders and homeowners designing, planning, and installing energy efficient LED lighting systems.

We use AGi32 lighting prediction software to give our clients a realistic view how their designs will look and perform. Our systems can be designed and programmed to work with simple wall plates, off the shelf ELV dimmers, or your home automation system.

Using Color Kinetecs software your entire LED indoor or outdoor system can be programmed for an endless combination of looks.



## Interior Lighting

LD&E uses Phillips Color Kinetics lighting fixtures. This guarantees quality, control, and consistency that our customers expect. Phillips Intelliwhite fixtures will satisfy any bright light requirements for new or replacement general illumination lighting. This Eliminates the need for costly fluorescent fixtures that contain harmful mercury. The wide ranges of RGB fixtures that we carry are capable of reproducing millions of different colors in any configuration. From a simple retrofit to a complex new system we can make the installation of a LED system easy and able to fit any budget.



## Exterior Lighting

LD&E provides the same quality outdoor fixtures. Phillips Colorblast line of products is impervious to weather and harsh outdoor conditions. They have the same 50,000 hour lifespan as the other LED products.

Phillips Intelliwhite and Essentialwhite fixtures can provide landscape lighting as well as satisfy any bright light requirement such as walkway and building illumination.

Phillips RGB fixtures can add 16 million different colors to your landscape or building and enable designers to make your house or structure stand out. As with all of our systems your landscape and outdoor lighting can be run from the same control as your indoor lighting, or directly interface with your home automation system.

## Energy Efficient LED Designs

L.E.D. packages complete with design, install and programming are available. Our systems are designed to work with a single control system.

**We offer services for :**

**Home Owners**

**Business and Commercial spaces**

**Single Home and Development Builders**

**Architects**

**Energy Efficient Building Consultants**

**Website: [www.LDandE.com](http://www.LDandE.com)**

**Phone: 813-610-4367**

**Email: [info@LDandE.com](mailto:info@LDandE.com)**

**LD&E IS AN AUTHORIZED DEALER OF  
PHILLIPS SOLID STATE LIGHTING**



COSTA SERENA CRUISE SHIP

LOCATION: Genoa, Italy

DESIGN: Joe Farcus; Carl Impey, Nautilus Entertainment Design;  
Arkilux; Fincantieri Cantieri Navali Italiani S.p.A.

Photos: Carl Impey

## Think LED

Once relegated to humble indicator lights in electronic devices, LEDs have advanced at remarkable rates to enable an entirely new category of lighting that's projected to reach \$30 billion by 2025.

These very same sources will one day light our homes and everyday spaces. Why? Because they're highly efficient, long-lasting, environmentally friendly and inherently controllable – enabling both new and traditional applications of light. Promising future aside, LED systems *already* illuminate famous buildings, bridges, retail shops, television studios, theater stages, hotels, casinos, hospitals, restaurants and celebrity-filled nightclubs around the world.

LED technology surpasses the constraints of today's lighting conventions, including limitations posed by product size, source life, heat emission, and lack of simple control. We can put light where it was previously impossible or impractical: in tight spaces, built into furnishings, surfaces or compact devices. As inherently digital light sources, LEDs are capable of digital control, which makes them uniquely suited for generating wide-ranging visual effects.

But they're also smart from an operational standpoint. They consume less energy and last much longer than most conventional light sources, they radiate no heat or UV, contain no toxic mercury, and require little maintenance. The result? A true "win win" in terms of achieving precise aesthetics while reducing lighting costs and complexity.



LIGHTFLOW THE HUB MK

LOCATION: Milton Keynes, UK

DESIGN: Peter Freeman

## Think sustainability

The sustainable design movement is gaining tremendous momentum as architects, designers and facility owners alike seek out environmentally friendly and efficient building practices. Solid-state lighting inherently supports these practices and complies with a growing number of energy and environmental regulations.

LEDs are already four times more efficient than incandescent and halogen sources, while rapidly gaining ground on fluorescent. Philips participates in several government and industry initiatives related to energy conservation. As a member of the Next Generation Lighting Industry Alliance, we are helping to develop a technology roadmap for the U.S. Department of Energy and Energy Star criteria for LED lighting.

One must also consider the true cost of light when practicing sustainable design. This cost exceeds the initial purchase price to include the operating cost of the lighting system over its lifetime. It takes six criteria into consideration: energy costs, lamp costs, power consumption, lifetime, labor costs and light output. By this formula, LED lighting systems already intersect the cost of light of incandescent and halogen sources, and are fast approaching the economic cross-over point for fluorescent sources.

On top of their efficiency, LED lighting systems boast long source life and high reliability, which translate to less replacement and less waste. Still, a growing number of our products can be disassembled for recycling purposes. Recyclable materials that we use include polymer and aluminum housings, fasteners, glass lenses and the electronic circuit boards inside our fixtures. Unlike fluorescent sources, LEDs contain no hazardous mercury which makes recycling difficult.



## Old North Church

### LOCATION

Boston, MA

### SYSTEM

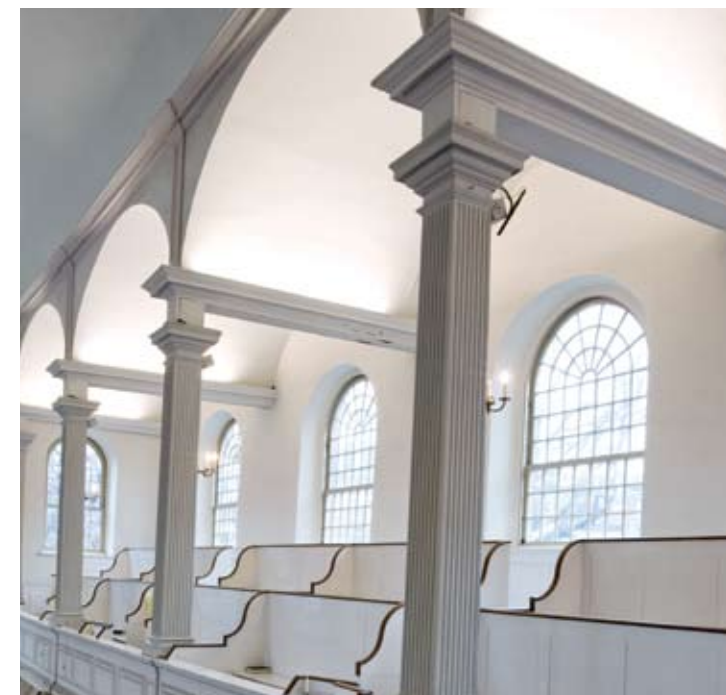
eW Cove Powercore

### PROJECT CREDITS

Lighting Design: Lana Nathe, Light Insight

Boston Light Source

Photography: John Brandon Miller



Pivotal to Paul Revere's famous midnight ride and once illuminated by gas lanterns, Boston's Old North Church uniquely combines the best of 18th century architecture with cutting-edge LED technology – demonstrating the ease with which solid-state lighting adapts to even the oldest of existing lighting environments.

As part of on-going refurbishment, the 285 year-old church sought a sustainable and low-maintenance light source to replace the dated, linear incandescent tube system lining 18 interior niches. The solution? A low-profile, linear LED fixture that delivers 5X the efficiency of common incandescent click-strip lighting. **It is expected to consume 85% less energy than the previous system** while achieving the desired warm white light to accentuate the building's historic arches and moldings.

## Think white lighting systems



Philips offers two product lines for applications of LED-based white light.

The IntelliWhite® series allows the simple customization of environments with color temperature control – whether to mimic changes in daylight or to alter displays without re-lamping existing fixtures.

The EssentialWhite™ series provides the inherent advantages of LED sources, such as long life, low maintenance and low energy consumption, for common or retrofit applications that don't require advanced control.

## eW Cove Powercore

NEW!



eW™ Cove Powercore is a compact linear fixture that provides an energy-saving alternative to traditional cove lighting. This high performance fixture is designed to accommodate various applications, such as interior cove, accent and display lighting, light boxes and other tight spaces in retail, exhibit, hospitality and architectural settings.

### FEATURES

- Available in two fixed color temperatures: 2800K, 4200K
- Runs of up to 100 12" units on a single circuit
- Mounts directly to any flat surface
- Line voltage – no external transformer

### CONTROL OPTIONS

- Electronic, low-voltage (ELV) dimmers

### ENVIRONMENT

- Dry

### TECHNOLOGIES

- Optibin, Powercore

### BEAM ANGLE

- 120° x 120°

### DIMENSIONS

- 12.0" x 2.0" (30.5 cm x 5 cm)
- 6.0" x 2.0" (15.2 cm x 5 cm)

## eW Cove



eW Cove is a dimmable, cost-effective 6" (15.2 cm) or 12" (30.5 cm) linear fixture for common, medium-luminance alcove applications. Its low profile makes it a perfect choice for a wide variety of installations in retail, exhibit, hospitality and architectural settings.

### FEATURES

- Available in three fixed color temperatures: 2700K, 3000K, 4200K
- Powered by Philips-recommended 24VDC power supply
- Mounting bracket provides 180° rotation

### ACCESSORIES

- 0 - 10V Dimming adaptor

### ENVIRONMENT

- Dry

### TECHNOLOGIES

- Chromatic, Optibin

### BEAM ANGLE

- 120° x 120°

### DIMENSIONS

- 12.0" x 1.4" (30.5 cm x 4 cm)
- 6.0" x 1.4" (15.2 cm x 4 cm)

## eW Profile Powercore

NEW!



eW Profile Powercore is a low-profile, linear fixture ideal for commercial and residential surface illumination. Applications include work surfaces and work stations in offices, hospitals and other commercial locations. It is also ideal for display and showcases and under shelf installations for merchandising, exhibits, and bars.

### FEATURES

- Available in two fixed color temperatures: 2700K, 4000K
- Low profile housing: 0.875" (2 cm) high, 1.5" (3.8 cm) wide
- Installs into mounting clips or continuous profile track
- Runs of up to 50 feet on a single circuit
- Line voltage – no external transformer

### CONTROL OPTIONS

- Electronic, low-voltage (ELV) dimmers

### ENVIRONMENT

- Dry

### TECHNOLOGIES

- Optibin, Powercore

### BEAM ANGLE

- 120° x 120° with 20° offset

### DIMENSIONS\*

- 9.3" x 1.7" (23.6 cm x 4.3 cm)
- 19.3" x 1.7" (49.0 cm x 4.3 cm)
- 39.3" x 1.7" (99.8 cm x 4.3 cm)

\* Fixture dimensions only. Wiring accessories add length. Check website for details: [www.colorkinetics.com/support](http://www.colorkinetics.com/support).

## eW Graze Powercore



eW™ Graze Powercore is an exterior-rated, linear fixture designed for architectural applications of high-quality white light, including accent highlighting, wall grazing and sign lighting. The slim form factor makes it easy to implement in almost any architectural niche.

### FEATURES

- Available in two fixed color temperatures: 2700K, 4000K
- Adjustable mounting foot with 90° rotation
- Line voltage operation via Powercore® technology
- Controllable via commercially available dimmers

### CONTROL OPTIONS

ELV-type dimmers

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Optibin, Powercore

### BEAM ANGLES

10° x 60°  
30° x 60°

### DIMENSIONS

24.0" x 2.8" x 2.7" (61.0 cm x 7.1 cm x 6.9 cm)  
36.0" x 2.8" x 2.7" (91.5 cm x 7.1 cm x 6.9 cm)  
48.0" x 2.8" x 2.7" (122.0 cm x 7.1 cm x 6.9 cm)

## eW Flex SLX



eW Flex SLX is a durable, flexible strand that allows for dynamic points of white light to be installed across nearly any interior or exterior surface – walls, ceilings, floors, and three-dimensional sculptures and set pieces. It is also well suited for lighting tight alcove spaces and signage.

### FEATURES

- Available in two fixed color temperatures: 2700K, 4200K
- 50 individually controllable nodes
- Standard node spacing is 4" (10.1 cm) or 12" (30.5 cm). Custom on-center spacing is available up to 12" (30.5 cm)
- Clear flat or translucent dome lens options

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Chromatic, Optibin

### BEAM ANGLE

Flat lens 115°

### DIMENSIONS

Flat lens 1.2" x 0.5" (31 mm x 14 mm)

## eW MR



eW MR is a compact LED lamp designed to fit into many MR16 fixtures and sockets and is well suited for use with tracks, rails, cables, and pendants in interior architectural, retail, exhibit, and display applications.

### FEATURES

- Available in two fixed color temperatures: 2700K, 4200K
- High intensity LED package and customized optics for efficient and even distribution of light
- Two beam angle variations for wide variety of spot and narrow flood applications

### ENVIRONMENT

Dry

### TECHNOLOGIES

Optibin

### BEAM ANGLE

10°  
25°

### DIMENSIONS

2.0" (5 cm) diameter

## eW Downlight SM Powercore



eW Downlight SM Powercore is a sleek, surface-mounted downlight for general illumination.

### FEATURES

- Available in two fixed color temperatures: 2700K, 4200K
- Extremely low profile offers unobtrusive installation and mitigates common challenges associated with installing fixtures into shallow recess depths
- Mounts to standard junction boxes or any flat surface
- Replaceable lamp module
- Low power consumption enables up to 150 units on single 20A circuit

### CONTROL OPTIONS

ELV-type dimmers

### ENVIRONMENT

Dry

### TECHNOLOGIES

Optibin, Powercore

### BEAM ANGLE

30°  
65°

### DIMENSIONS

7.5" x 2.0" (19 cm x 5 cm)

## iW Blast 12 Powercore



A compact, high-performance system for wall washing, flood lighting and grazing applications.

### FEATURES

- Powercore technology for maximum efficiency and ease of installation
- Versatile mounting base allows for full pan and tilt rotation
- Accepts a universal power input range from 100 to 240VAC via the iW Data Enabler
- Color temperature control from 3000K to 6500K

### ACCESSORIES

- Top Hat, Half Top Hat, Egg Crate Louver, Barn Door, Spread Lens

### CONTROL OPTIONS

- Philips iW Scene Controller or third-party control

### ENVIRONMENT

- Dry, Damp, Wet

### TECHNOLOGIES

- Chromacore, Optibin, Powercore

### BEAM ANGLE

- 18°
- 24°

### DIMENSIONS

- 12.5" x 8.5" (32 cm x 21 cm)

## iW Blast 12 TR



A compact, high-performance system designed to withstand the taxing nature of temporary installations.

### FEATURES

- Floor or truss-mount capability
- Protective cover
- Standard 4-pin XLR connector

### ACCESSORIES

- Top Hat, Half Top Hat, Egg Crate Louver, Barn Door, Spread Lens

### CONTROL OPTIONS

- Philips DMX controllers, third-party DMX system

### ENVIRONMENT

- Dry

### TECHNOLOGIES

- Chromacore, Optibin

### BEAM ANGLE

- 18°
- 24°

### DIMENSIONS

- 12.5" x 8.5" (32 cm x 21 cm)

## iW Cove Powercore



A low profile, 12" (30.5 cm) linear system designed to project tunable white light in common interior alcove applications.

### FEATURES

- Powercore technology for maximum efficiency and ease of installation
- Mounting base allows for 180° rotation in 10° increments
- Available in medium and forward-throw asymmetric beam angles
- Accepts a universal power input range from 100 to 240VAC via the iW Data Enabler
- Color temperature control from 3000K to 6500K

### CONTROL OPTIONS

- Philips iW Scene Controller or third-party control

### ENVIRONMENT

- Dry, Damp

### TECHNOLOGIES

- Chromacore, Optibin, Powercore

### BEAM ANGLE

- 50° x 50°
- 20° x 30° x 160°

### DIMENSIONS

- 12.0" x 2.0" (30.5 cm x 5 cm)

## iW Profile g2



A low-profile, linear 12" (30.5cm) system designed for interior display, exhibit, under-cabinet, task and small alcove lighting.

### FEATURES

- End-to-end connections capable of making 180° turns
- Available in narrow, medium and forward-throw asymmetric beam angles
- Color temperature control from 3000K to 6500K

### ACCESSORIES

- Mounting Track

### CONTROL OPTIONS

- Philips iW Scene Controller or third-party control

### ENVIRONMENT

- Dry, Damp

### TECHNOLOGIES

- Chromacore, Optibin

### BEAM ANGLE

- 10° x 110°
- 50° x 50°
- 20° x 40° x 110°

### DIMENSIONS

- 12.0" x 1.1" (30.5 cm x 3 cm)

## Think RGB Lighting Systems



For applications of color and color-changing light, Philips offers a growing line of fixtures, controllers and power/data supplies for diverse installations – from majestic façades, to Broadway sets, to contemporary interiors. Our systems make the use of color feasible where it was previously impossible or cost-prohibitive, turning ordinary walls into animated, customizable surfaces that can change the entire mood of a space with the push of a button.

# iColor Cove Family



The iColor Cove® product family brings saturated color and dynamic effects to alcoves, accent areas and other tight spaces. The compact, linear units are highly versatile, offering end-to-end mounting for continuous streams of color or staggered positioning to achieve curves or more complicated geometries.

## *iColor Cove MX Powercore*

### FEATURES

- Highest intensity of the iColor Cove family
- Powercore technology for maximum efficiency and ease of installation
- 180° rotation in 10° increments

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry

### TECHNOLOGIES

Chromacore, Optibin, Powercore

### BEAM ANGLE

- 70° x 70°
- 10° x 60°

### DIMENSIONS

12.0" x 1.6" (30.5 cm x 4 cm)



## *iColor Cove QLX*

### FEATURES

- Medium intensity
- Chromatic technology for self-addressing and rapid setup
- 180° rotation

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry

### TECHNOLOGIES

Chromacore, Chromasic, Optibin

### BEAM ANGLE

- 100° x 40°
- 120° x 120°

### DIMENSIONS

- 12.0" x 1.4" (30.5 cm x 3.5 cm)
- 6.0" x 1.4" (15.2 cm x 3.5 cm)



## *iColor Cove EC*

### FEATURES

- Low intensity
- Chromatic technology for self-addressing and rapid setup
- Low profile housing

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry

### TECHNOLOGIES

Chromacore, Chromasic, Optibin

### BEAM ANGLE

- 120° x 120°

### DIMENSIONS

- 12.0" x 0.75" (30.5 cm x 2 cm)
- 7.0" x 0.75" (17.8 cm x 2 cm)

## ColorGraze Powercore



ColorGraze™ Powercore is an exterior-rated, linear fixture designed for architectural applications of color and color-changing light, including accent highlighting, wall grazing and sign lighting. The slim form factor makes it easy to implement in almost any architectural niche.

ColorGraze Powercore is easy to install, featuring adjustable mounting options and Powercore® technology for single-cable line voltage operation. It applies Chromacore® technology to enable RGB additive color mixing, and is easily controlled by Philips' wide range of controllers, or via DMX-compatible, third-party controllers.

### FEATURES

- Adjustable mounting foot with 90° rotation
- Powercore technology for easy installation
- 1-foot control resolution

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Chromacore, Powercore, Optibin

### BEAM ANGLE

- 10° x 60°
- 30° x 60°

### DIMENSIONS

- 24.0" x 2.8" x 2.7" (61.0 cm x 7.1 cm x 6.9 cm)
- 36.0" x 2.8" x 2.7" (91.5 cm x 7.1 cm x 6.9 cm)
- 48.0" x 2.8" x 2.7" (122.0 cm x 7.1 cm x 6.9 cm)

## ColorBlaze 48 & ColorBlaze 72



The ColorBlaze® fixture is an intelligent high-performance LED "border light" that casts far-reaching color and dynamic effects. Its maximized light output offers a powerful solution for theatrical, entertainment, event, TV studio, and architectural applications.

### FEATURES

- Features on-board power supply, simplifying specification & installation
- Controllable in 6" (15cm) increments
- Equipped with mounting brackets and locking knobs, allowing 360° rotation

### ACCESSORIES

Egg Crate Louver, Spread lenses

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry

### TECHNOLOGIES

Chromacore, Optibin

### BEAM ANGLE

10°

### DIMENSIONS

- 45.1" x 7.5" (114.0 cm x 19 cm)
- 68.6" x 7.5" (174.0 cm x 19 cm)

## iColor Accent Powercore



The iColor® Accent Powercore fixture is a rugged, direct-view, linear light that creates seamless columns of color. It features 1.2" control resolution to reproduce graphics, intricate patterns and video effects.

### FEATURES

- Mounted end-to-end or with jumper cables
- Features UV resistant diffused plastic lens with a 250° x 180° viewing angle
- Controllable in 1.2" (3.0 cm) intervals

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Chromacore, Chromasic, Powercore, Optibin

### VIEW ANGLE

250° x 180°

### DIMENSIONS

- 24.0" x 3.9" (61.0 cm x 9.9 cm)
- 48.0" x 3.9" (122.0 cm x 9.9 cm)
- 96.0" x 3.9" (243.0 cm x 9.9 cm)

## ColorBlast Family



### ColorBlast 12 Powercore

ColorBlast® 12 Powercore is an exterior-rated fixture designed for architectural flood and wash lighting applications. It projects rich, saturated color for the dynamic illumination of building facades, monuments and architectural details. It features a low-profile design, adjustable mounting and Powercore technology for simplified installation and operational efficiency.

<b>FEATURES</b>
Low-profile, adjustable, locking mounting base
Offers up to 350° rotation and a 110° locking rotation
Powercore technology for maximum efficiency and ease of installation
<b>ACCESSORIES</b>
Top Hat, Half Top Hat, Egg Crate Louver, Barn Door, Spread Lens
<b>CONTROL OPTIONS</b>
Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system
<b>ENVIRONMENT</b>
Dry, Damp, Wet
<b>TECHNOLOGIES</b>
Chromacore, Optibin, Powercore
<b>BEAM ANGLES</b>
8°
10°
23°
<b>DIMENSIONS</b>
12.5" x 8.5" (32 cm x 21 cm)



### ColorBlast 12 & ColorBlast 6

The ColorBlast 12 and ColorBlast 6 fixtures generate rich, uniform color for wall washing applications.

<b>FEATURES</b>
Available with a soft-focus lens or clear lens for extended light projection
May be mounted to a junction box or to a flat surface
Offers up to 350° rotation and a 110° locking rotation
<b>ACCESSORIES</b>
Top Hat, Half Top Hat, Egg Crate Louver, Barn Door, Spread Lens
<b>CONTROL OPTIONS</b>
Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system
<b>ENVIRONMENT</b>
Dry, Damp, Wet
<b>TECHNOLOGIES</b>
Chromacore, Optibin
<b>BEAM ANGLES</b>
10°
23°



### ColorBlast 12 TR

The ColorBlast 12 TR fixture is designed to withstand the taxing nature of stage and set environments.

<b>FEATURES</b>
Replaceable soft-focus and clear lens for extended light projection
Floor or truss-mount capability
Protective cover
Standard 4-pin XLR connector
<b>ACCESSORIES</b>
Top Hat, Half Top Hat, Egg Crate Louver, Barn Door, Spread Lens
<b>CONTROL OPTIONS</b>
Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system
<b>ENVIRONMENT</b>
Dry
<b>TECHNOLOGIES</b>
Chromacore, Optibin
<b>BEAM ANGLES</b>
10°
23°

## ColorBurst 6



The ColorBurst® fixture is a round spotlight that generates vibrant colors and color-changing effects.

### FEATURES

- Available with a soft-focus or clear lens for extended light projection
- May be mounted to a junction box or an optional 350° rotation mounting base
- Unique mounting arm allows optimum positioning that may be locked into place

### ACCESSORIES

Top Hat, Half Top Hat, Egg Crate Louver, Barn Door, Spread Lens

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Chromacore, Optibin

### BEAM ANGLES

12°  
22°

### DIMENSIONS

8.4" x 8.2" (21 cm x 21 cm)

## C-Splash 2



The C-Splash™ 2 fixture is a submersible light that provides vibrant color and color-changing effects for use in fresh and saltwater locations up to 15' (4.6 meters) deep. Ideal for fountain, landscaping and theme park applications.

### FEATURES

- Available with a soft-focus glass diffuser or clear lens for extended projection
- Unified power and data cable minimizes wiring
- May be used in water treated with bromine and chlorine

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet, Submersible

### TECHNOLOGIES

Chromacore, Optibin

### BEAM ANGLE

10°  
22°

### DIMENSIONS

9.0" x 10.0" (23 cm x 26 cm)

## iColor MR g2



The iColor® MR g2 lamp is a color-changing MR16 replacement that generates saturated colors and fits into most standard MR16 fixtures and sockets.

### FEATURES

- Can be used with low voltage track, rail, cable and pendant systems
- Each lamp may be individually addressed and controlled
- Multiplexes both power and data over standard two-wire low voltage circuits via PDS-70mr

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry

### TECHNOLOGIES

Chromacore, Optibin, SmartJuice

### BEAM ANGLE

24°  
60°

### DIMENSIONS

2.0" x 2.0" (5 cm x 4 cm)

## iColor Tile FX 2:2



The iColor Tile™ FX panels provide an unlimited creative canvas in the form of a sophisticated 2' x 2' (60 x 60 cm) fixture that enables dynamic images with light.

### FEATURES

- Each tile incorporates 144 individually addressable tricolor nodes
- Ideal for recess and surface mounting or retrofitting ceiling tiles, fitting both US and European grids
- May be used independently or as part of a multi-tiled installation

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp

### TECHNOLOGIES

Chromacore, Chromasic, Optibin

### BEAM ANGLE

120°

### DIMENSIONS

23.5" x 23.5" (60 cm x 60 cm)

## iColor Module FX



The iColor Module™ FX panel is a 6" square (15 cm) lighting medium that brings complex lighting designs to life, including scrolling text and images, video and animations. iColor Module FX 6:9 is spaced 2" on center and iColor Module FX 6:36 is spaced 1" on center for higher resolution.

### FEATURES

- Matte black polycarbonate cover
- May be used independently or as part of a multi-unit installation
- Ideal for interior surface designs

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry

### TECHNOLOGIES

Chromacore, Chromasic, Optibin

### BEAM ANGLE

120°

### DIMENSIONS

6.0" x 6.0" (15 cm x 15 cm)

## iColor Flex SL



The iColor Flex™ SL strand is a versatile, multi-purpose product that enables completely new applications, from grids of light for direct viewing, to the lighting of three-dimensional shapes, or large-scale exterior façade lighting.

### FEATURES

- Up to 50 Individually addressable tricolor nodes on white or black cable
- 4" and 12" on-center spacing or custom increments
- Clear or translucent dome lens options

### ACCESSORIES

Mounting clips or track, cover spacers

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Chromacore, Chromasic, Optibin

### VIEW ANGLES

Dome 120°

### DIMENSIONS

Dome 0.6" x 0.7" (16 mm x 19 mm)  
Tall 0.6" x 1.3" (16 mm x 33 mm)

## iColor Flex SLX



The iColor Flex™ SLX strand is a brighter, larger-node version of iColor Flex SL, offering optimal viewing from an angle and/or longer distances. Ideal for use in millwork, signage, and amusement industries or in large-scale façade lighting.

### FEATURES

- Up to 50 Individually addressable nodes on white or black cable
- 4" and 12" on-center spacing or custom increments
- Clear flat or translucent dome lens options

### ACCESSORIES

Mounting clips or track, cover spacers

### CONTROL OPTIONS

Philips DMX controllers, Light System Manager, Video System Manager, third-party DMX system

### ENVIRONMENT

Dry, Damp, Wet

### TECHNOLOGIES

Chromacore, Chromasic, Optibin

### VIEW ANGLES

Flat 115°

### DIMENSIONS

Flat 1.2" x 0.5" (32 mm x 14 mm)  
Dome 1.2" x 1.0" (32 mm x 28 mm)


# Controllers

Ranging from simple, pre-programmed options to highly sophisticated scalable control

PRODUCT	FEATURES	TYPE OF CONTROL	CONTROL CAPACITY	ENVIRONMENT	DIMENSIONS
 SYNCHRONIZER	Compact, affordable solution for controlling multiple Philips lighting fixtures	Dipswitch control of seven variable pre-programmed effects	12 unique addresses	Dry	1.65" x 1.03" x 2.70" 4.3cm x 2.6cm x 6.9cm
 MULTISYNCHRONIZER	Synchronizer functionality with a pushbutton interface and triple-gang wall mount assembly	Choose between eight user-defined effects	12 unique addresses	Dry	6.40" x 4.19" x 1.20" 16.2cm x 10.6cm x 3.0cm
 COLORDIAL	Architecturally-styled, single gang, wall mount controller providing colored light and dynamic effects at the push and turn of a knob	Push and rotational control of eight pre-programmed effects	60 unique addresses	Dry	2.00" x 4.19" x 2.71" 5.1cm x 10.6cm x 6.9cm
 IW SCENE CONTROLLER	Single-gang, wall-mount, 4 zone, 4 scene, preset lighting controller for IntelliWhite products	Pushbutton control of: • Color temperature from warm to cool • Four zone pre-sets • Four scene pre-sets • Master ON/OFF	4 zones, 4 scenes	Dry	2.99" x 4.70" x 1.00" 7.4cm x 11.9cm x 2.5cm
 IW TRANSLATOR	Hardware device enabling 3rd party architectural controllers to interface with IntelliWhite products	Interface control of color temperature from warm to cool and dim to OFF via input from: • 3rd party architectural controller • Multiple iW Scene Controllers	One 3rd party architectural controller or up to two iW Scene Controller inputs	Dry	4.40" x 1.40" x 5.50" 11.1cm x 3.5cm x 14.0cm
 iPLAYER3/COLORPLAY3	Authoring software and storage/playback device for control of medium-scale installations that span up to two DMX universes	Software and hardware package for: • Show authoring • Show storage and playback • Real-time editing and adjustment • Optional external wall-mount keypad • Available third-party interface (Auxbox)	Two DMX universes or 340 unique addresses	Dry	5.25" x 8.50" x 1.25" 13.3cm x 21.6cm x 3.2cm
 LIGHT SYSTEM MANAGER	Integrated software and hardware platform providing control for large-scale, Ethernet-based installations that span multiple DMX universes	Software and hardware package for: • Show authoring • Show storage and playback • Real-time editing and adjustment • Installation mapping, addressing and configuration • Optional external wall-mount keypad	Up to 10,000 unique addresses (luminaire-specific)	Dry	8.00" x 7.50" x 1.150" 20.3cm x 19.1cm x 29.2cm
 VIDEO SYSTEM MANAGER PRO	Video-based, Ethernet control of large scale installations that span multiple DMX universes	Software and hardware package for: • Installation mapping, addressing and configuration • Enabling standard, live video conversion from media sources including: DVD, media servers, camcorders and personal computers	Up to 250,000 unique addresses (luminaire-specific)	Dry	Rack Mount: Standard 2U

# Power/Data Supplies

These compact devices are universal, supplying voltages ranging from 100 to 240 VAC.

PRODUCT	# OF FIXTURES POWERED	WATTS/CLASS	CONTROL	ENVIRONMENT	TECHNOLOGIES SUPPORTED
 PDS 150e / iW PDS-150	ColorBurst 6: 6 ColorBlast 6: 6 ColorBlast 12: 3 C-Splash 2: 6 iW Profile g2: 10	150 Watts/UL Class 2	RGB Products DMX Ethernet  White Products iW Scene Controller	Dry	Chromacore
 PDS-60ca / PDS-60 / PDS-70mr	iColor Flex SL: 2 iColor Flex SLX: 1 iColor Tile FX 2:2: 1 iColor Module FX 6:9: 16 iColor Module FX 6:36: 4 iColor Cove QLX 6": 40 iColor Cove QLX 12": 20 iColor Cove EC 7": 50 iColor Cove EC 12": 30 ColorBurst 6: 2 ColorBlast 6: 2 ColorBlast 12: 1 iColor MRg2: 14 eW Flex SLX: 1	PDS-70 mr 72 Watts/UL Class 2  All other products 62 Watts/UL Class 2	Pre-programmed DMX Ethernet	Dry, Damp, Wet	PDS-60ca Chromacore, Chromasic PDS-60 Chromacore PDS-70mr Chromacore, Smartjuice
 PDS-750 TR	ColorBlast 12 TR: 12	750 Watts	DMX	Dry	Chromacore
 sPDS-60ca / iW PDS-60	iW Profile g2: 4 iColor Cove QLX 6": 30 iColor Cove QLX 12": 20 iColor Cove EC 7": 50 iColor Cove EC 12": 30 eW Flex SLX: 1	62 Watts/UL Class 2	iW PDS-60 iW Scene Controller  sPDS-60ca DMX Ethernet	Dry	iW PDS-60 Chromacore sPDS-60ca Chromacore, Chromasic
 sPDS-480ca	iColor Flex SL: 16 iColor Flex SLX: 8 iColor Tile FX 2:2: 8 iColor Module FX 6:9: 128 iColor Module FX 6:36: 32 eW Flex SLX: 8	480 Watts/UL Class 2	Ethernet	Dry	Chromacore, Chromasic
 iW DATA ENABLER / DATA ENABLER	Application specific. Please confirm with Philips configuration calculator located at <a href="http://www.colorkinetics.com/support/install_tool">www.colorkinetics.com/support/install_tool</a>	10 Watts/UL Class 1	Data Enabler DMX Ethernet  iW Data Enabler iW Scene Controller	Dry, Damp, Wet	Chromacore, Chromasic, Powercore
 PS-60	Synchronizer: 1 Multi Synchronizer: 1 ColorDial: 1	60 Watts/UL Class 2	NA	Dry	NA
 PS-96 24V	eW Cove 12": 36 eW Cove 6": 65 eW Flex SLX: 1	12 Watts/UL Class 2	NA	Dry	NA