



ArchiPoint

iColor Powercore

Exterior daylight-visible LED point with intelligent color light

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ArchiPoint iColor Powercore is a daylight-visible, exterior-rated LED point of light ideally suited for a range of direct-view and beacon applications, as well as for accent applications such as path and marker lighting. These versatile low-profile fixtures display large-scale video, graphics, and intricately designed effects in a host of settings, including architectural, retail, and entertainment installations. ArchiPoint iColor Powercore offers high-intensity output with the efficiency and cost-effectiveness of Powercore technology in a rugged, aluminum housing.

- Daylight visible — Outputs up to 25,150 nits of intelligent color light in a weatherproof, low-profile housing, perfect for large-scale video, dynamic effects, and other direct-view applications. Easily visible in brightly lit urban environments and daylight — even in direct sunlight.
- Direct view or illumination — Supports large-scale video for architectural, media façade, and advertising applications for viewing day or night. Indirect illumination delivers high levels of intensity for beacon, paths and marker lighting.
- Multiple mounting base options — Conduit Mounting Base offers side and back openings for flexible connections in surface-mounted installations. Concealed Conduit Mounting Base hides all conduit and wiring behind the mounting surface for a clean look.
- Superior color consistency and accuracy — Optibin, an advanced binning algorithm, sets a new standard for the color consistency and uniformity of LED sources used in manufacturing.
- Integrates Powercore technology — Powercore delivers line voltage and data to fixtures over a single cable, dramatically simplifying installation and lowering total system cost. Philips Color Kinetics Data Enabler Pro merges line voltage and control data and delivers them to the fixture over a single cable, dramatically simplifying installation and lowering total system cost.
- Universal power input range — Accepts a universal power input range of 100 – 240 VAC for consistent installation anywhere in the world. Each Data Enabler Pro can support multiple fixtures for creating long runs of intricately changing color.
- Industry-leading controls — Works seamlessly with the complete Philips line of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, as well as third-party controllers.
- Outdoor rated — Fully sealed for maximum fixture life and IP66-rated for outdoor applications.



Flexible Installation Options

Low-profile fixtures — 3.9 in (99 mm) from the mounting base to the surface of the clear flat lens — allow for installation in spaces too tight for conventional spotlights. Multiple mounting base options offer flexibility in a wide range of installation types and situations.

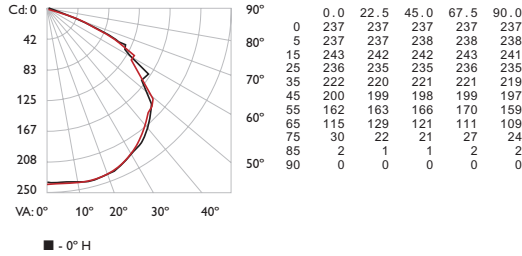
Photometrics

Photometric data is based on test results from an independent NIST traceable testing lab. IES data is available at www.philipscolorkinetics.com/support/ies.

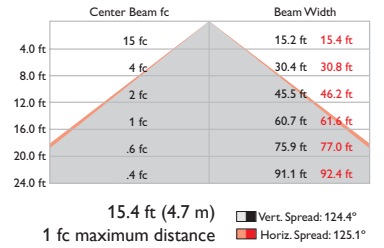
ArchiPoint iColor Powercore Clear flat lens

LED	Lumens	Efficacy
RGB	774	27.4

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	200	25.8
0- 40	338	43.6
0- 60	635	82.1
0- 90	774	100.0
90-180	0	0.0
0-180	774	100.0

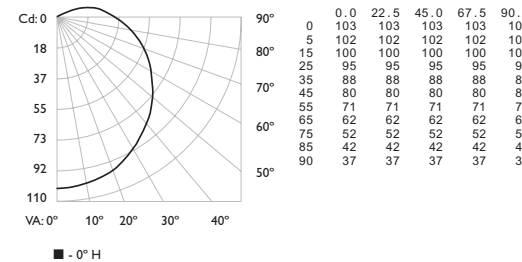
Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%																				
	80			70			50			30			10	0							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	1191	1911	1911	1911	1161	1611	1611	1611	1111	1111	1111	1061	1061	1061	1021	1021	1021	100	100	100	100
1	1101	0510	101	98	1071	103	99	96	99	96	93	95	92	90	91	89	88	85	85	85	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71	71	71	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60	60	60	60
4	83	71	62	56	81	70	62	55	67	60	54	65	59	54	63	57	53	51	51	51	51
5	76	63	54	47	74	62	54	47	60	52	47	58	51	46	56	50	46	44	44	44	44
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	38	38	38
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33	33	33	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29	29	29	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26	26	26	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24	24	24	24

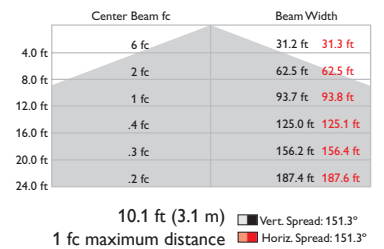
ArchiPoint iColor Powercore Translucent dome lens

LED	Lumens	Efficacy
RGB	501	17.6

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	82	16.3
0- 40	137	27.3
0- 60	263	52.4
0- 90	425	84.7
90-120	73	14.5
90-130	76	15.3
90-150	77	15.3
90-180	77	15.3
0-180	501	100.0

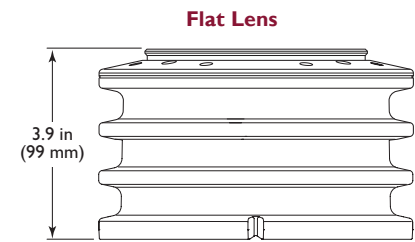
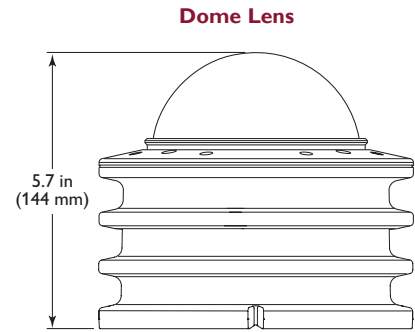
Coefficients Of Utilization - Zonal Cavity Method

RC	Effective Floor Cavity Reflectance: 20%																				
	80			70			50			30			10	0							
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	
0	1151	1151	1151	1151	1111	1111	1111	1111	1031	1031	1031	95	95	95	88	88	88	85	85	85	85
1	101	95	89	84	97	91	86	81	84	80	76	77	74	71	71	68	66	63	63	63	63
2	91	81	72	65	86	77	70	63	71	65	60	66	60	56	60	56	52	49	49	49	49
3	82	70	60	53	78	67	58	51	62	54	48	57	51	46	52	47	43	40	40	40	40
4	74	61	51	44	71	59	50	43	54	46	40	50	43	38	46	40	36	33	33	33	33
5	68	54	44	37	65	52	43	36	48	40	34	44	38	32	41	35	31	28	28	28	28
6	63	48	39	32	60	47	38	31	43	35	30	40	33	28	37	31	27	24	24	24	24
7	58	44	34	28	55	42	33	27	39	31	26	36	30	25	34	28	23	21	21	21	21
8	54	40	31	24	51	38	30	24	36	28	23	33	27	22	31	25	21	19	19	19	19
9	50	36	28	22	48	35	27	21	33	25	20	30	24	20	28	23	19	17	17	17	17
10	47	33	25	20	45	32	24	19	30	23	18	28	22	18	26	21	17	15	15	15	15

Specifications

Due to continuous improvements and innovations, specifications may change without notice.

Item	Specification	Details
Output	Viewing Angle	125° (clear flat lens) / 150° (translucent dome lens)
	Luminance in Nits	25,150 cd / m ² (clear flat lens) / 10,877 cd / m ² (translucent dome lens)
	Lumens*	774 (clear flat lens) / 501 (translucent dome lens)
	Lumen Maintenance†	70,000 hours L70 @ 25° C 40,000 hours L70 @ 50° C 100,000 hours L50 @ 25° C 70,000 hours L50 @ 50° C
	LED Channels	Red / Green / Blue
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz via Data Enabler Pro
	Power Consumption	25 W maximum at full output, steady state
	Power Factor	.93 @ 120 VAC
	Maximum Wiring Volume	22.0 cu in
Control	Interface	Data Enabler Pro (DMX / Ethernet)
	Control System	Philips full range of controllers, including Video System Manager Pro, Light System Manager, and iPlayer 3, or third-party controllers
Physical	Fixture Dimensions (Height x Width x Depth)	3.9 x 6.4 x 6.4 in (76 x 164 x 164 mm) Flat lens 5.7 x 6.4 x 6.4 in (145 x 164 x 164 mm) Dome lens
	Weight	3.2 lb (1.5 kg) Flat lens fixture 3.3 lb (1.4 kg) Dome lens fixture 1.7 lb (.78 kg) Conduit Mounting Base 2.2 lb (.98 kg) Concealed Conduit Mounting Base
	Housing	Die-cast aluminum with silver gray powder-coated finish
	Lens	Clear polycarbonate (clear flat lens) Translucent polycarbonate (translucent dome lens)
	Fixture Connections	7 in (178 mm) flying leads
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage
	Fixture Run Lengths	To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/
	Humidity	0 – 95%, non-condensing
	Vibration Resistance	ANSI C136.31
	Certification and Safety	Certification
Environment		Dry / Damp / Wet Location, IP66



* Lumen measurement complies with IES LM-79-08 testing procedures.

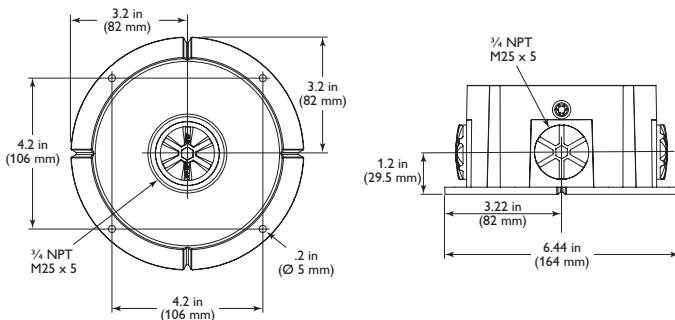
† L70 = 70% lumen maintenance (when light output drops below 70% of initial output).

L50 = 50% lumen maintenance (when light output drops below 50% of initial output). Ambient luminaire temperatures specified. Lumen maintenance calculations are based on lifetime prediction graphs supplied by LED source manufacturers. Calculations for white-light LED fixtures are based on measurements that comply with IES LM-80-08 testing procedures. Refer to www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf for more information.

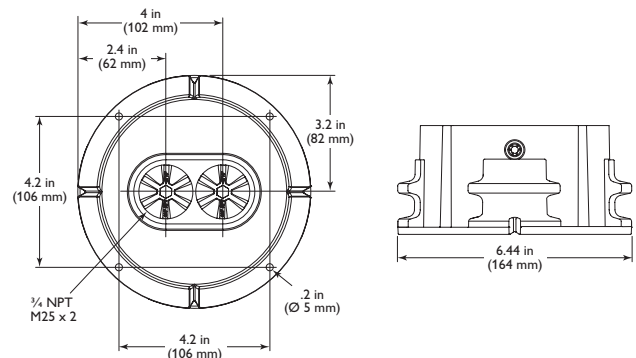


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CK TECHNOLOGY | CK TECHNOLOGY | CK TECHNOLOGY

Conduit Mounting Base



Concealed Conduit Mounting Base



Fixtures and Mounting Bases

Included in the box

ArchiPoint iColor Powercore fixture

Installation Instructions



Item	Type	Item Number	Philips 12NC
ArchiPoint iColor Powercore 100 – 240 VAC	Translucent Dome Lens	123-000022-00	910503702579
	Clear Flat Lens	123-000022-01	910503702580
Conduit Mounting Base	3/4 in NPT (U.S. trade size conduit)	123-000152-00	910503702574
	M25 (metric size conduit)	123-000152-01	910503702575
Concealed Conduit Mounting Base	3/4 in NPT (U.S. trade size conduit)	123-000152-02	910503702576
	M25 (metric size conduit)	123-000152-03	910503702577

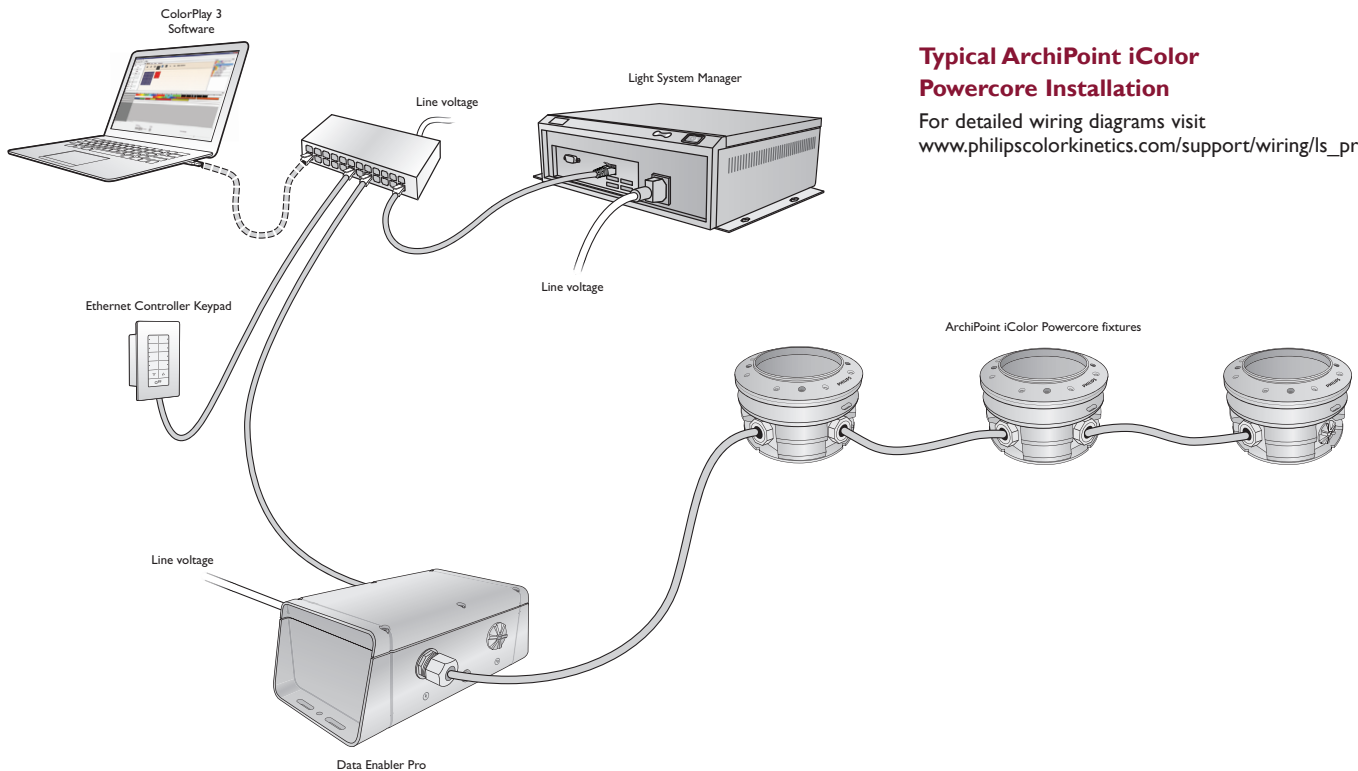
Use Item Number when ordering in North America.

Glare Shield and Data Enabler Pro



Item	Type	Item Number	Philips 12NC
Glare Shield		120-000153-00	910503702674
Data Enabler Pro	3/4 in / 1/2 in NPT (U.S. trade size conduit)	106-000004-00	910503701210
	PG21 / PG13 (metric size conduit)	106-000004-01	910503701211

Use Item Number when ordering in North America.



Typical ArchiPoint iColor Powercore Installation


For detailed wiring diagrams visit www.philipscolorkinetics.com/support/wiring/lc_prod.html

Installation

ArchiPoint iColor Powercore is a daylight-visible, exterior-rated LED point of light ideally suited for a range of direct-view and beacon applications, as well as for accent applications such as path and marker lighting. These versatile low-profile fixtures display large-scale video, graphics, and intricately designed effects in a host of settings, including architectural, retail, and entertainment installations. ArchiPoint iColor Powercore offers high-intensity output with the efficiency and cost-effectiveness of Powercore technology in a rugged, aluminum housing.

Owner / User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate ArchiPoint iColor Powercore fixtures in such a manner as to comply with all applicable codes, state and local laws, ordinances, and regulations. Consult with the appropriate electrical inspector to ensure compliance.

 Refer to the ArchiPoint iColor Powercore Installation Instructions for specific warning and caution statements.

Installing in Damp or Wet Locations

When installing in damp or wet locations, seal all fixture connections, power / data supplies, and junction boxes with electronics-grade, room-temperature vulcanizing (RTV) silicone sealant so that water or moisture cannot enter or accumulate in wiring compartments, cables, or other electrical parts. Use suitable outdoor-rated junction boxes when installing in damp or wet locations. Additionally, use gaskets, clamps, and other parts required for installation to comply with all applicable local and national codes.

Plan the Installation

Because of their potential complexity, ArchiPoint iColor Powercore installations require upfront planning for configuring, positioning, and mounting fixtures. The Conduit Mounting Base offers four conduit connection openings on the side and one opening in the rear, from which you can use any two to connect the fixture. The Concealed Mounting Base provides two conduit connection openings at the back for installations where hiding the housing and connections from view is preferred.

ArchiPoint iColor Powercore fixtures receive power and data from the Philips Data Enabler Pro. Planning includes understanding how to position fixtures in relation to Data Enabler Pro devices, the number of fixtures you can connect together in a single run, and which mounting base and connection methods are needed. Planning for video displays involves additional considerations such as pixel pitch, minimum and maximum viewing distances, sampling, and display resolution.

All installations involve three main steps:

1. Create a lighting design plan and layout grid
2. Mount and connect fixtures
3. Address and configure fixtures

If you're planning a simple installation with relatively few fixtures, or if running an Ethernet lighting network with an accessible Ethernet switch, you can install the fixtures first, then address and configure them after installation. For more complex installations, especially for installations requiring fixtures to be mounted in locations that are difficult to access or where the fixtures are not all visible from a single location, you may want to address fixtures in a staging area before installing them.

DMX or Ethernet Control?

ArchiPoint iColor Powercore installations can be controlled via either DMX or Ethernet. DMX may be more appropriate for relatively simple installations, or for installations where all lights operate in unison.

Because it is not subject to the DMX addressing limitations, Ethernet is the preferred environment for more intricate, color-changing light shows and video displays, both of which require large numbers of unique addresses. In an Ethernet environment, each power / data supply effectively acts as its own universe.

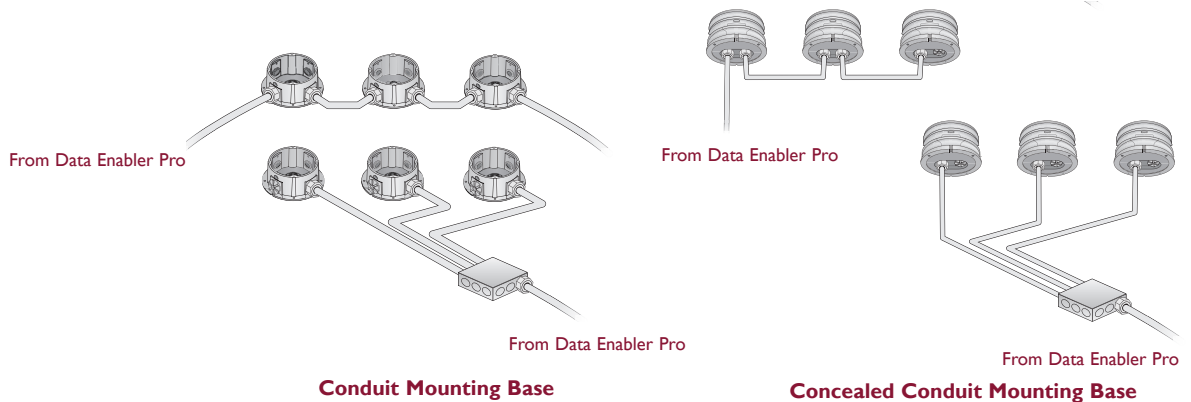
ArchiPoint iColor Powercore fixtures are 8- and 16-bit capable. In 8-bit mode, each fixture uses three sequential DMX addresses, one for red, one for green, and one for blue. In 16-bit mode, each fixture uses two DMX addresses per LED channel or 6 sequential DMX addresses. See “Address and Configure Fixtures” below for more details.

Prepare for Installation

Refer to the lighting design plan, architectural diagram, or other diagram that shows the physical layout of the installation to identify the locations of all switches, controllers, Data Enabler Pro devices, fixtures, and cables.

ArchiPoint iColor Powercore fixtures can be mounted using the Conduit Mounting Base or the Concealed Conduit Mounting Base. Fixtures can be installed in series or in parallel (wired to a common junction box). The maximum number of fixtures each Data Enabler Pro can support depends on specific configuration details such as wire gauge, fixture spacing, circuit size, line voltage, and method of connection (in series or in parallel). To calculate fixture run lengths and total power consumption for your specific installation, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/

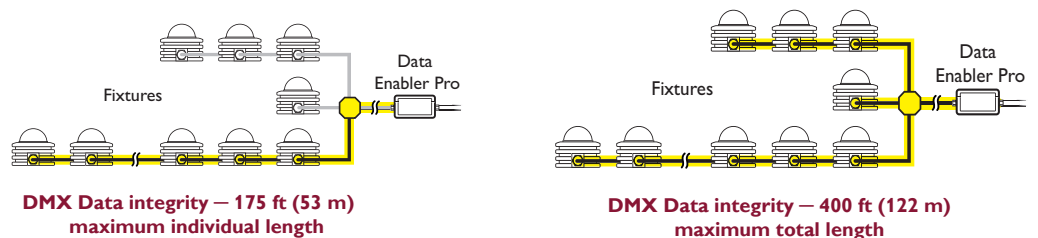
* Do not attach more than two conduit connections per mounting base.



Conduit Mounting Base

Concealed Conduit Mounting Base

In addition to maximum fixture run lengths determined by the electrical configuration, each Data Enabler Pro imposes maximum run lengths based on DMX data integrity. To ensure data integrity, maximum individual run length should not exceed 175 feet (53.3 m), and the total cable length per Data Enabler Pro should not exceed 400 feet (122 m).



Considerations for Video Displays

In addition to the planning required for all ArchiPoint iColor Powercore installations, planning for video displays involves special considerations such as pixel pitch, minimum and maximum viewing distances, sampling, and display resolution.

Determining Pixel Pitch and Viewing Distances for Video Displays

When using ArchiPoint iColor Powercore to display video, each fixture acts as a pixel in the display. Images on an LED video display appear to be sharper to the human eye as the distance to the display increases. Likewise, images appear less visible as the distance decreases. The spacing between pixels, known as the *pixel pitch*, determines the minimum and maximum viewing distances for discernible video output. Pixel pitch is measured center-to-center. For an ArchiPoint iColor Powercore fixture, you determine pixel pitch by measuring from the center of one fixture to the center of the next.

The following calculations and examples are general guidelines for determining minimum and maximum viewing distances, based on video displays using grids of evenly spaced pixels:

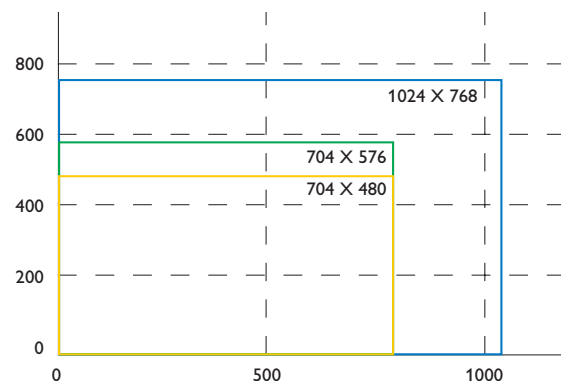
- To determine minimum viewing distance, multiply pixel pitch by 100 distance units. For example, if the pixel pitch is 2 in (50 mm), the minimum viewing distance is 16.4 ft (5 m).
- To determine the maximum viewing distance for discernible video, multiply the screen height by 20 distance units. For example, if the screen height is 65.6 ft (20 m), then the maximum viewing distance for recognizable video is 1312.3 ft (400 m).
- LED screens are visible beyond the maximum viewing distance for discernible video. To determine the maximum viewing distance that still creates visual impact, multiply the screen height by 50 units. For example, a screen 65.6 ft (20 m) high will continue to create visual impact at 3280.8 ft (1000 m).

Working with Video Display Resolutions

The resolution of an LED video display equals the total number of vertical and horizontal pixels — the greater the pixel count, the greater the resolution.

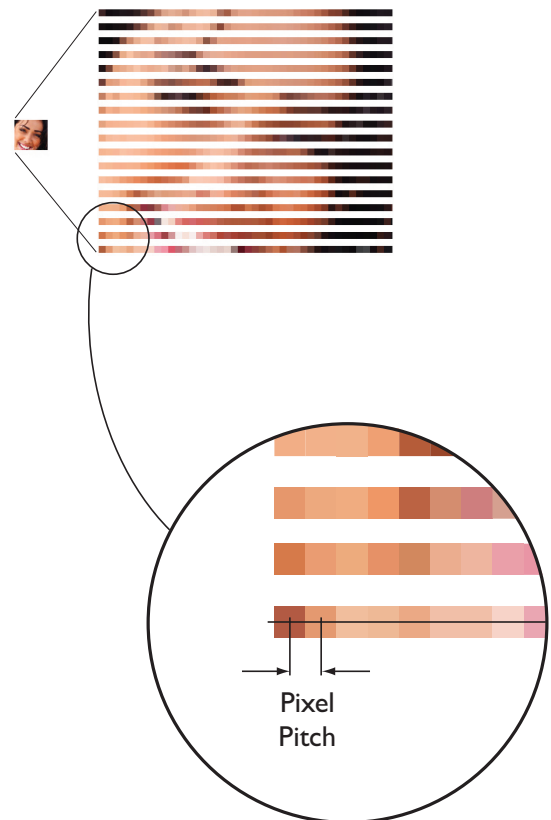
- The resolution of VSE digital video is 1024 x 768
- The resolution of PAL video is 704 x 576
- The resolution of NTSC video is 704 x 480

Reproducing a video signal with 1:1 pixel mapping on an LED display requires a substantial pixel count. For example, true NTSC video output requires 337,920 pixels, PAL output requires 405,504 pixels, and digital video output requires 786,432 pixels.



* VSE Pro, or Video System Engine Pro, is the hardware component of Video System Manager Pro, an integrated video controller from Philips Color Kinetics. Visit www.philipscolorkinetics.com/its/controllers/vsmpro/ for complete information.


* For designs where the acceptable level of discernible video may be more or less demanding, or for help with your specific installation, contact Philips Color Kinetics Applications Engineering Services for assistance.



However, you can use a controller such as Philips Color Kinetics Video System Manager Pro to reduce the required pixel count for any video format by sampling and distributing pixels from the source video to match your installation.

For example, if you retain the horizontal resolution of a digital video source (1024 lines wide), but sample every tenth line of pixels vertically (76 lines high instead of 768 lines), you can retain the correct aspect ratio while exponentially reducing the pixel count. From a distance, even with only 76 lines of vertical output, the human eye can still discern video images because the horizontal resolution is dense.

An installation using 1024 x 76 nodes would have a pixel count of 77,824 yet still display high-quality digital video output. This method is especially effective when creating an installation that covers a building which, by necessity, already has spacing between lines of video due to windows and other architectural features.

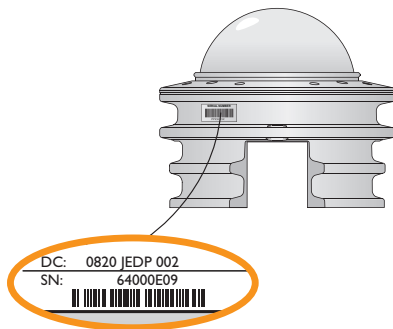
 To streamline the configuration of complex installations, record the serial number (DMX) or IP address (Ethernet) and location of each Data Enabler Pro.

Start the Installation

1. Install all Data Enabler Pro devices, including any interfaces with controllers. Data Enabler Pro devices and external controllers send power and control signals to the fixtures over a single fixture cable. Additional cabling is required to connect fixtures together in parallel or in series.
2. Verify that all additional supporting equipment (switches, controllers) is in place.
3. Ensure that all additional parts and tools are available, including:
 - A sufficient length of 12 AWG (2.05 mm), 4-conductor stranded copper wire
 - Conduit, as required
 - Mounting hardware appropriate for the mounting surface
 - Electronics-grade room temperature vulcanizing (RTV) silicone sealant for installations in damp and wet environments,
 - A Phillips head screwdriver
 - A 7/64 in (3 mm) hex wrench for installing the Glare Shield

Included in the box

ArchiPoint iColor Powercore fixture
Installation Instructions



Record fixture serial numbers

Unpack and Prepare Fixtures and Mounting Bases

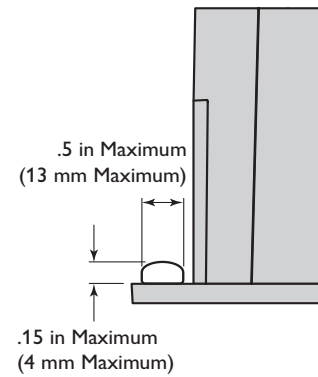
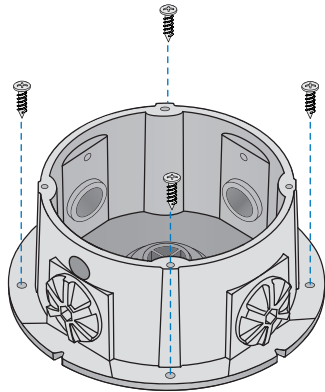
1. Carefully inspect the box containing ArchiPoint iColor Powercore and the contents for any damage that may have occurred in transit.
2. Each ArchiPoint iColor Powercore fixture ships with a unique serial number. As you unpack the fixtures, record the serial numbers in a layout grid (typically a spreadsheet or list) for easy reference and light addressing.
3. Assign each fixture to a position in the lighting design plan.
4. To streamline installation and aid in show programming, you can affix a weatherproof label identifying the order or placement in the installation to an inconspicuous location on each fixture's housing.
5. Unpack the mounting bases. Carefully inspect the box containing the mounting base and the contents for any damage that may have occurred in transit.

Install Mounting Bases

Make sure the power is OFF before mounting ArchiPoint iColor Powercore mounting bases.

When mounting hardware to substrate, use fasteners appropriate for type of substrate. To fit the fixture properly, fasteners can not exceed the maximum screw height of .15 in (.4 mm) and maximum screw width of .53 in (.14 mm).

1. Mount the ArchiPoint iColor Powercore bases in accordance with the lighting design plan using mounting hardware suitable for the type of surface.



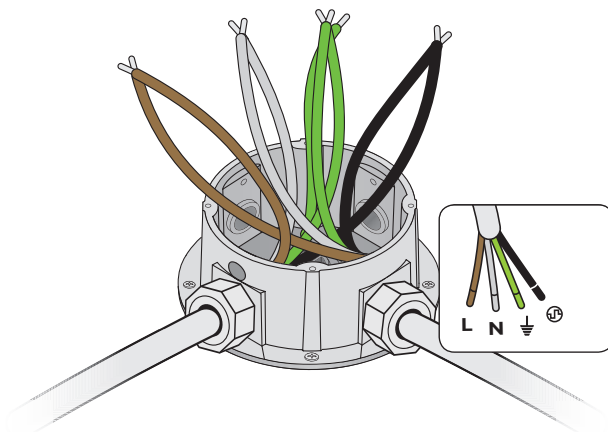
2. When using the Concealed Conduit Mounting Base, be sure to cut holes in the substrate large enough to accommodate the cabling.
3. If installing fixtures in a series, pull 4-conductor copper wire between each mounting base in the series.

If installing fixtures in parallel, pull 4-conductor copper wire from a common junction box to each fixture's mounting base.

The maximum cable run from a Data Enabler Pro to any individual ArchiPoint iColor Powercore fixture is 174 feet (53.3 m). When installing in parallel, the total cable length cannot exceed 400 feet (122 m).

4. Trim the cable inside the mounting base, leaving enough cable to make wiring connections.

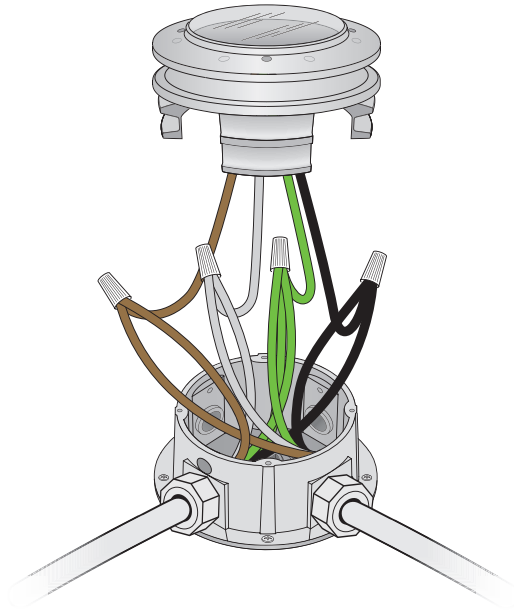
⚠ Do not attach more than two conduit connections per mounting base.



Connect ArchiPoint iColor Powercore Fixtures

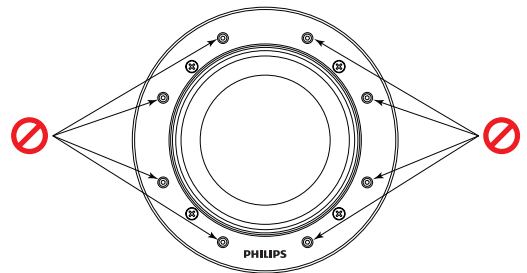
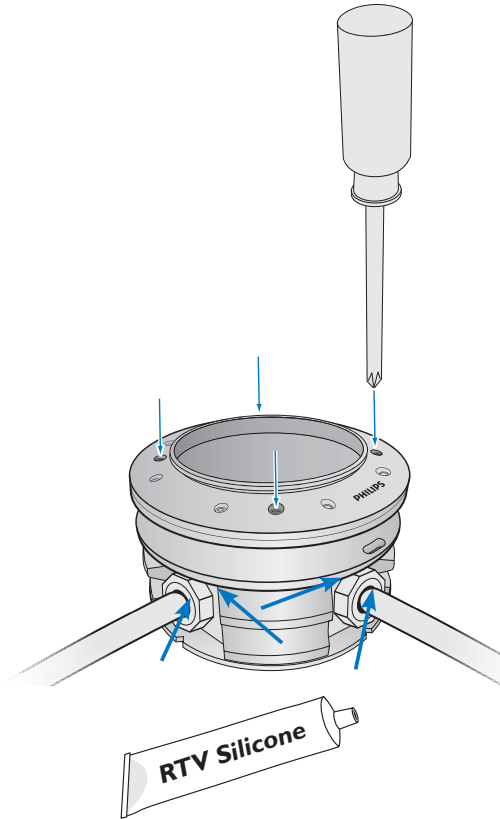
Make sure the power is OFF before connecting ArchiPoint iColor Powercore fixtures.

1. Use wire nuts to connect line, neutral, ground, and data.
2. Tuck all wire connections in to the mounting base.
3. Seat each fixture on to the mounting base, taking care not to crimp or pinch the wire connections.



4. Using a Phillips head screwdriver, tighten each of the four Phillips head mounting screws and torque each as required by the screw and substrate combination.

- If installing in a damp or wet location, seal mounting bases and any junction boxes with electronics-grade RTV silicone sealant. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes. For damp or wet locations, seal all points of entry to the fixture to prevent water ingress / infiltration.



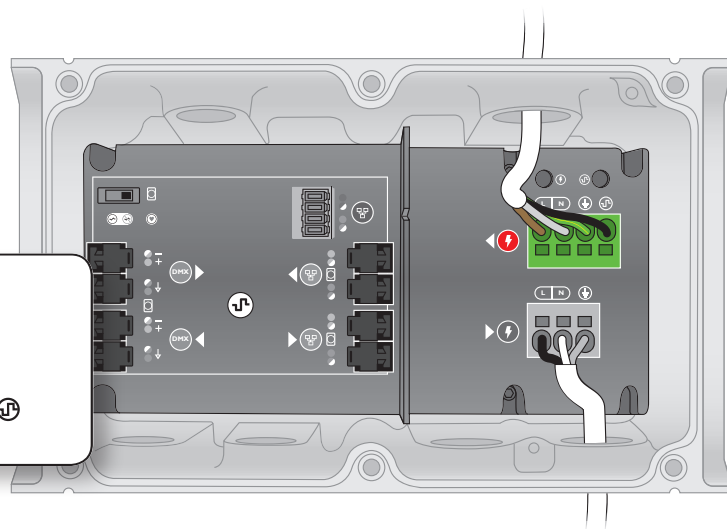
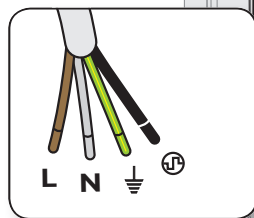
* Do not unscrew the fixture's preset screws for any reason. For more information, refer to the ArchiPoint iColor Powercore Installation Instructions.

* Improper sealing can lead to water ingress and fixture damage or failure, and void the warranty.

- Run the wiring from the first mounting base in the series to the Data Enabler Pro, or, if installing in parallel, run the wiring from the common junction box to the Data Enabler Pro. Secure connections within the Data Enabler Pro housing.

Power / data output to fixtures

* Refer to the Data Enabler Pro Product Guide for comprehensive installation and configuration instructions. You can view or download the guide from www.philipscolorkinetics.com/ls/pds/dataenablerpro

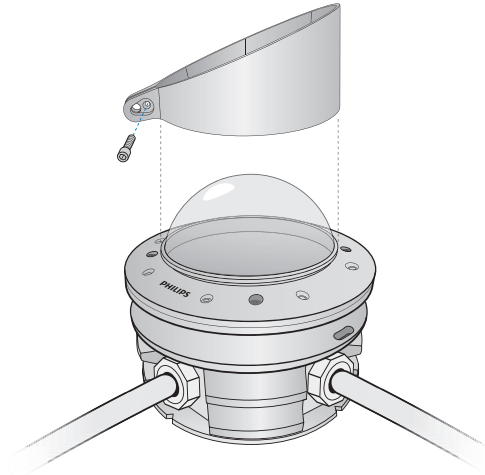


Mains voltage input

- Secure the Data Enabler Pro cover. If installing in a damp or damp location, seal the Data Enabler Pro with RTV silicone. Use gaskets, clamps, and other parts and fittings required to comply with local outdoor wiring codes.

Attach Glare Shield (Optional)

- Fit the Glare Shield over the top of the fixture and position it.

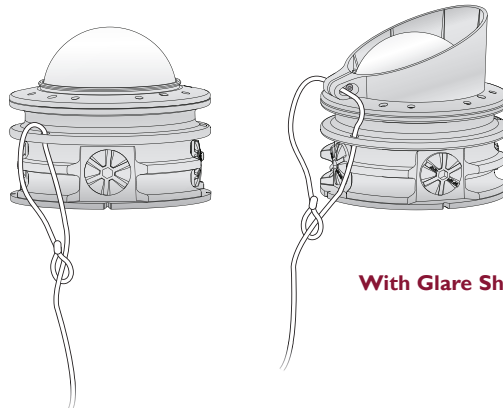


- When fully seated, insert the included locking screw into the opening on the glare shield. Use a 7/64 in (3 mm) hex wrench and torque to 6-in-lbs (.6 Nm).

Attach Safety Cable (Optional)

When dictated by local or state code or advised by a structural engineer, attach a safety cable to the ArchiPoint iColor Powercore fixture housing and tether it to a secure anchor point.

- Thread a safety cable through the fixture housing as shown. If using the Glare Shield, thread a safety cable through the Glare shield and the fixture housing as shown.
- Attach the safety cable to the mounting surface using a method that follows the code or engineer's requirements.



Safety cable minimum requirements

Material	304 or 316 Stainless Steel
Size	5/32 in (4 mm) nominal diameter Minimum break load must be greater than 2,400 lb (1089 kg)

Address and Configure Fixtures

Make sure the power is ON before addressing and configuring fixtures.

You address and configure ArchiPoint iColor Powercore fixtures using QuickPlay Pro addressing and configuration software, which you can download for free from www.philipscolorkinetics.com/support/addressing/

Addressing ArchiPoint iColor Powercore Fixtures

ArchiPoint iColor Powercore fixtures operate in 8-bit mode by default. You can configure ArchiPoint iColor Powercore to operate in 16-bit mode, which increases fixture resolution for smoother dimming.

In 8-bit mode, fixtures use one DMX address per LED channel (red, green, and blue). In 16-bit mode, fixtures use two DMX addresses per LED channel. The first DMX address corresponds to the “coarse” data for that channel, and the second corresponds to the “fine” data. By using double the number of DMX addresses, 16-bit mode increases fixture resolution from 256 dimming steps to 65,536 (256 x 256) dimming steps.

DMX Address Assignments						
8-Bit Mode	1		2		3	
	Red		Green		Blue	
16-Bit Mode	1	2	3	4	5	6
	Red Coarse	Red Fine	Green Coarse	Green Fine	Blue Coarse	Blue Fine

ArchiPoint iColor Powercore fixtures come factory-addressed with a starting DMX address of 1. For video displays and light show designs that require different fixtures to show different light output simultaneously, you must assign unique DMX addresses to your fixtures and sort them in a useful order:

- In Ethernet installations, you can address and configure your fixtures using QuickPlay Pro with a computer connected to your lighting installation’s network. QuickPlay Pro can automatically discover all of your fixtures, controllers, and Data Enabler Pro devices for quick configuration.
- In DMX installations, you can address and configure your fixtures using QuickPlay Pro with iPlayer 3 or SmartJack Pro. You can manually enter fixture serial numbers, or you can import a spreadsheet listing each fixture’s serial number and starting DMX address.

⚠ For lighting designs where fixtures work in unison, all fixtures can be assigned the same starting DMX address. Changes to the default starting DMX address is not necessary, but if lights were previously readdressed for use in other installations, you must reset them.

Setting Fixture Dimming Curve

Dimming curves describe how slowly or quickly a fixture dims at different levels of input. For finer control, ArchiPoint iColor Powercore offers three different dimming curves for use in different situations and applications:

- **Normal**
The non-linear (gamma) dimming curve used in most Philips Color Kinetics LED lighting fixtures. ArchiPoint iColor Powercore fixtures use the normal dimming curve by default.
- **Linear**
A dimming curve with a linear relationship between power input and DMX output.
- **Tungsten**
A non-linear dimming curve that emulates the dimming curve of incandescent lamps on a DMX dimmer. This curve offers the most control at low intensities.

Setting LED Transition Speed

Normally, LEDs react to DMX or other control data instantaneously. In some cases, you may want to slow down the reaction speed to achieve smoother transitions when the intensity of different LED channels changes. ArchiPoint iColor Powercore offers five levels of decreasing LED transition speed, from Fast (instant snap changes) to Delay-4 (slowest transition speed).



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