



iColor Cove MX Powercore

Premium interior linear LED cove and accent fixture with intelligent color light



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iColor Cove MX Powercore high-intensity LED fixtures afford virtually limitless options for filling indoor alcoves and accent spaces with vibrant light. As the premium member of the iColor Cove family of intelligent color cove lights, this compact, high-performance fixture is also ideally suited for backlighting and cost-effective indoor wall washing. iColor Cove MX Powercore combines professional-grade color mixing and output of up to 387 lumens per foot with the efficiency and cost-effectiveness of Powercore technology.

- High-performance illumination — iColor Cove MX Powercore is available in 1 ft (305 mm) and 4 ft (1.2 m) die-cast aluminum housings with a wide 125° x 120° or medium 50° x 70° beam angle. Superior beam quality delivers striation-free light. Interlocking connectors accommodate end-to-end installation without visible light scalloping between fixtures.
- Integrates Powercore technology — Powercore technology rapidly, efficiently, and accurately controls power output to fixtures directly from line voltage. The Philips Color Kinetics Data Enabler Pro merges line voltage with control and delivers them to the fixture over a single standard cable, dramatically simplifying installation and lowering total system cost.
- Superior color consistency — Optibin, a proprietary binning optimization process, guarantees uniformity and consistency of hue across LEDs, fixtures, and manufacturing runs.
- Advanced color mixing — Patented Chromacore technology, pioneered by Philips Color Kinetics, enables precise control over individual LED channels to produce millions of colors and full-color, dynamic effects.
- Industry-leading controls — Fixtures work seamlessly with the complete Philips Color Kinetics line of controllers, including iPlayer 3, Light System Manager, and ColorDial Pro, as well as third-party controllers.
- Universal power input range — Accepts power input of 100 – 240 VAC for consistent installation anywhere in the world.
- Easy installation — Powercore allows long product runs and eliminates the need for special wiring and external power supplies.
- Flexible mounting and positioning — With end-to-end locking power connectors that can make 180° turns, these compact cove fixtures are easy to position in even the most challenging mounting circumstances. 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures. Optional mounting tracks support vertical and overhead positioning.



Lighting Design & Photography: Electroland

Intense Light

iColor Cove MX Powercore high-performance cove fixtures deliver professional-grade illumination, with total light output of up to 387 lumens per foot.

Fixtures rotate in 10° increments through a full 180° for precise aiming and color mixing.

Creativity Both Inside and Outside the Cove

iColor Cove MX Powercore is ideal for all cove and indirect lighting applications, but its intense, full-color light output and digital intelligence also offer extraordinary flexibility for creating highly innovative and intricate lighting installations.

Limerick House Spa

The Limerick House Spa in Limerick, Ireland, showcases the effectiveness of iColor Cove MX Powercore for innovative and dynamic cove and indirect lighting. The spa's pool is halo-lit from the perimeter by iColor Cove MX Powercore fixtures that bounce light down the walls and define the ceiling profile with a distinct line of light, providing a warm white glow or intense colors.



The installation won an International Association of Lighting Designers (IALD) International Lighting Design Award of Excellence in 2009. In the words of the IALD Award of Excellence press release, the design “created a series of calming, coherent and relaxing spaces in a newly carved-out basement. The lighting challenge was to

create a versatile yet discreet scheme, which would enhance and complement the forms, while creating the correct ambience for this tranquil subterranean retreat.”

With their compact profile, superior color mixing along linear runs, and saturated light output, iColor Cove MX Powercore fixtures are able to create dramatic effects from concealed locations above the asymmetrical ceiling panels. The IALD judges called the project “an archetypal achievement for pool and spa lighting design.”



Photography © Christian Richter

Target Interactive Breezeway

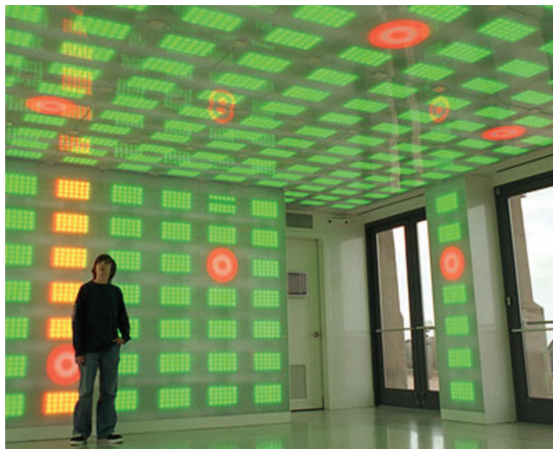
High atop New York's Rockefeller Center is a unique, interactive space that takes the capabilities of intelligent RGB LED lighting to new creative heights. The Target Interactive Breezeway is an imaginatively lit passage that connects the Center's top-floor observation decks, engaging visitors as they pass through by tracing their movement with intelligently controlled light.

The lighting designer needed an intelligent LED fixture that could effectively deliver the full RGB spectrum in a small package while keeping power consumption to a reasonable level. After researching the available options, he selected iColor Cove MX Powercore for its intense color output and reliability.

The Breezeway's ceiling and walls glow with 1,300 iColor Cove MX Powercore fixtures. Each fixture is configured as an individually controllable 1 ft units, creating an interactive video-like display that wraps around the Breezeway's surfaces. Each pixel in this intelligent skin is composed of four tightly grouped iColor Cove MX Powercore fixtures. These pixels are installed in all available wall and ceiling surfaces, behind translucent glass and backlit by white LED strips. The unmistakable Target brand is represented by bullseye logo light fixtures integrated within the pixel array.

The iColor Cove MX Powercore fixtures receive power and data from compact Data Enabler devices, which deliver line voltage and control data over a single cable, simplifying installation and reducing the number of required external power supplies. With support from Philips Color Kinetics, the design firm developed its own custom software for controlling the LED fixtures. The application transmits control messages (as UDP packets) via Ethernet directly to the Data Enabler devices to generate patterns in the intelligent skin.

The designers engaged a leading developer of 3D vision systems to produce an elaborate tracking scheme that uses the lighting fixtures' precise control to create an immersive, interactive environment. Data from four stereo video cameras locates and tracks up to 30 separate visitors as they enter and walk around the Breezeway. Each visitor is automatically assigned a "personality" by the system and is followed by individualized light colors and patterns. The designers continuously monitor the space remotely via webcam, and test and upload new patterns on a regular basis. The result is a dynamic and personalized immersive experience, made possible by iColor Cove MX Powercore.



Lighting Design & Photography: Electroland

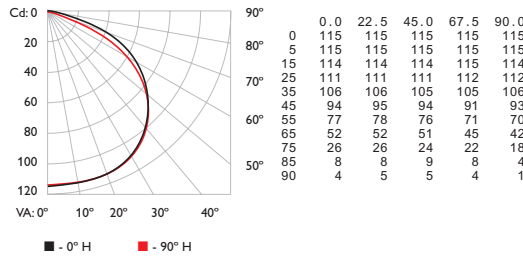
Photometrics

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

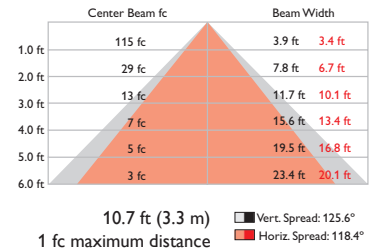
iColor Cove MX Powercore 1 ft, 125° x 120° (wide) beam angle

LED	Lumens	Efficacy
RGB	387	23.5

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	95	24.5
0- 40	161	41.5
0- 60	299	77.2
0- 90	381	98.5
90-120	5	1.4
90-130	6	1.5
90-150	6	1.5
90-180	6	1.5
0-180	387	100.0

Coefficients Of Utilization - Zonal Cavity Method

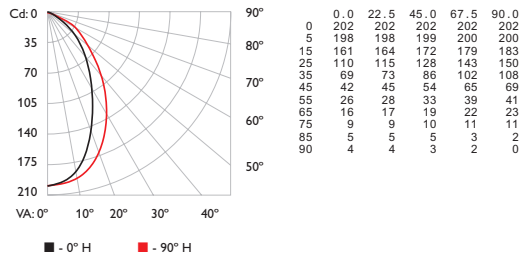
Effective Floor Cavity Reflectance: 20%

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	1181	181	181	118	118	115	115	115	110	110	110	105	105	105	100	100	100	98
1	108	103	98	94	105	100	96	93	96	93	90	92	89	87	88	86	84	82
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7	63	50	41	34	61	49	40	34	47	39	34	45	39	34	44	38	33	31
8	59	45	36	31	57	44	36	30	43	35	30	42	35	30	40	34	30	28
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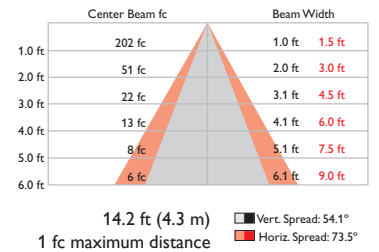
iColor Cove MX Powercore 1 ft, 50° x 70° (medium) beam angle

LED	Lumens	Efficacy
RGB	296	17.2

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	126	42.4
0- 40	180	60.9
0- 60	253	85.5
0- 90	288	97.3
90-120	5	1.8
90-130	6	2.2
90-150	8	2.6
90-180	8	2.7
0-180	296	100.0

Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

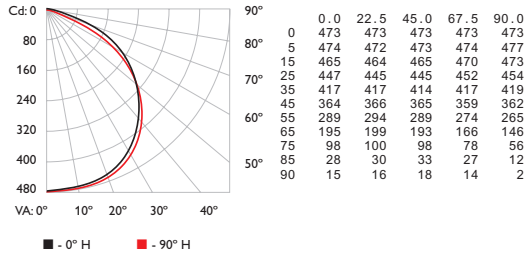
RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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8	67	55	48	43	66	54	47	42	53	47	42	52	46	42	50	45	41	39
9	63	51	44	39	62	51	44	39	49	43	39	48	42	38	47	42	38	36
10	60	48	41	36	58	47	41	36	46	40	36	45	40	36	44	39	35	34

For lux multiply fc by 10.7

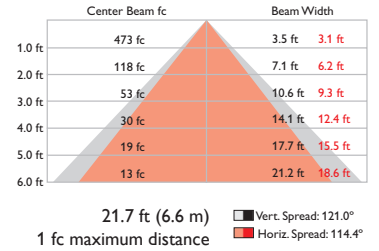
iColor Cove MX Powercore 4 ft, 125° x 120° (wide) beam angle

LED	Lumens	Efficacy
RGB	1500	31.3

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	384	25.6
0- 40	645	43.0
0- 60	1177	78.5
0- 90	1485	99.0
90-120	15	1.0
90-130	16	1.0
90-150	16	1.0
90-180	16	1.0
0-180	1500	100.0

Coefficients Of Utilization - Zonal Cavity Method

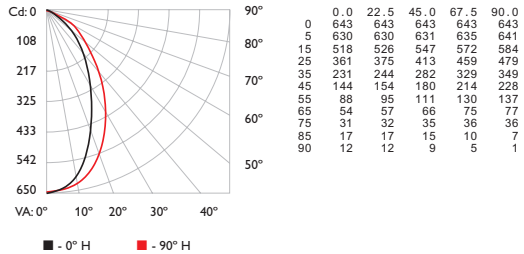
Effective Floor Cavity Reflectance: 20%

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
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2	98	90	83	77	96	88	82	76	84	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	77	70	64	74	68	62	71	66	61	69	64	60	58
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7	64	51	42	35	62	50	41	35	48	40	35	46	40	35	45	39	34	32
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9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	28	26
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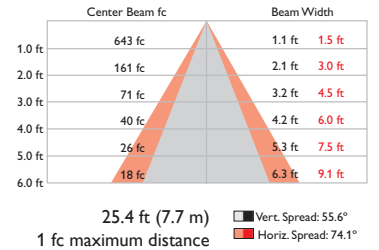
iColor Cove MX Powercore 4 ft, 50° x 70° (medium) beam angle

LED	Lumens	Efficacy
RGB	968	20.3

Polar Candela Distribution



Illuminance at Distance



Zonal Lumen

ZONE	LUMENS	%FIXT
0- 30	404	41.7
0- 40	583	60.2
0- 60	827	85.4
0- 90	944	97.6
90-120	16	1.6
90-130	19	2.0
90-150	23	2.4
90-180	23	2.4
0-180	968	100.0

Coefficients Of Utilization - Zonal Cavity Method

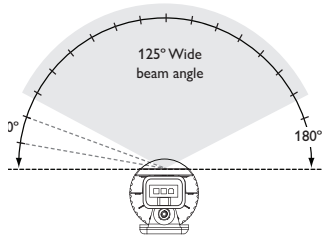
Effective Floor Cavity Reflectance: 20%

RC	80			70			50			30			10			0		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	110	106	102	99	107	103	100	97	99	96	94	95	92	90	91	89	87	85
2	102	95	89	84	99	93	87	83	89	84	81	85	82	78	82	79	76	74
3	94	85	78	73	92	83	77	72	80	75	70	77	73	69	75	71	67	65
4	87	77	70	64	85	76	69	63	73	67	62	71	65	61	68	64	60	58
5	81	70	62	57	79	69	62	56	67	60	56	65	59	55	63	58	54	52
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7	71	59	52	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43
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9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	41	38	36
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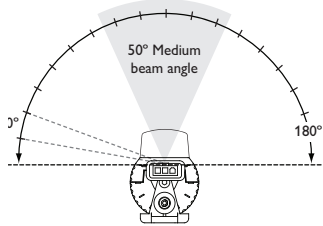
For lux multiply fc by 10.7

Specifications

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

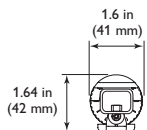


125° x 120° (wide beam angle)

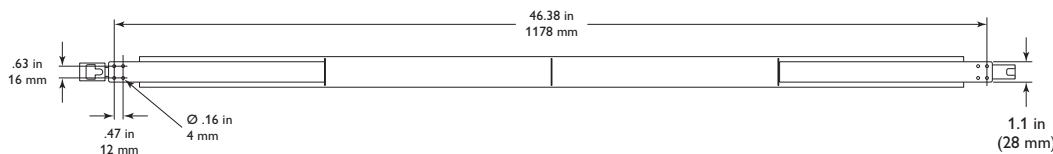
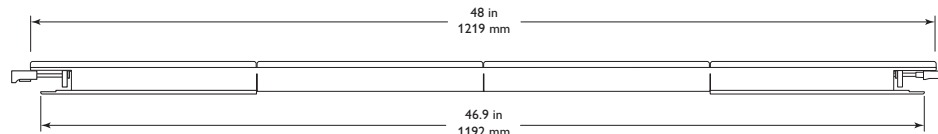
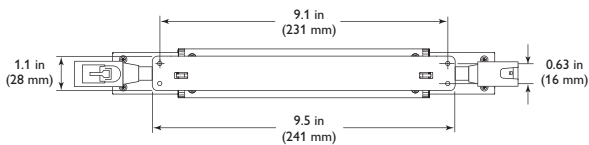
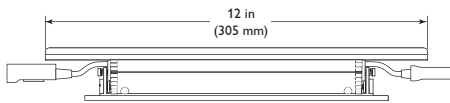
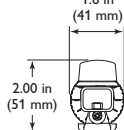


50° x 70° (medium beam angle)

Wide beam angle



Medium beam angle



Item	Specification	1 ft (305 mm)	4 ft (1.2 m)
Output	Lumens*	387 (125° x 120°) 296 (50° x 70°)	1500 (125° x 120°) 968 (50° x 70°)
	Lumen Maintenance†	120,000 hours L50 @ 25° C	90,000 hours L50 @ 50° C
	LED Channels	Red / Green / Blue	
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz	
	Power Consumption	13 W maximum at full output, steady state	50 W maximum at full output, steady state
Control	Interface	Data Enabler Pro (DMX or Ethernet)	
	Control System	Philips full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers	
Physical	Dimensions (Height x Width x Depth)	1.64 x 12 x 1.5 in (42 x 305 x 38 mm) (125° x 120°)	1.64 x 48 x 1.5 in (42 x 1219 x 38 mm) (125° x 120°)
		2.00 x 12 x 1.5 in (51 x 305 x 38 mm) (50° x 70°)	2.00 x 48 x 1.5 in (51 x 1219 x 38 mm) (50° x 70°)
	Weight	0.82 lb (372 g) (125° x 120°)	4.1 lb (1.85 kg) (125° x 120°)
		1 lb (454 g) (50° x 70°)	4.6 lb (2.1 kg) (50° x 70°)
	Housing	Die-cast aluminium, white powder-coated finish.	
	Lens	Polycarbonate	
	Fixture Connections	Integral male / female connectors	
Temperature Ranges	-4° – 122° F (-20° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage		
Humidity	0 – 95%, non-condensing		
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/		
Certification and Safety	Certification	UL / cUL, FCC Class B, CE, PSE, CCC, C-Tick, SAA	
	Environment	Dry / Damp Location, IP20	

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



† 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.

CHROMACORE CKTECHNOLOGY | **OPTIBIN** CKTECHNOLOGY | **POWERCORE** CKTECHNOLOGY

Fixtures and Accessories

iColor Cove MX Powercore fixtures are part of a complete system which includes fixtures and:

- One or more Data Enabler Pro devices.
- One Leader Cable to connect each Data Enabler Pro output to a series of fixtures, or one Wiring Compartment with a sufficient length of 4-conductor copper wire. Standard 12 AWG stranded wire is recommended.
- Any Philips controller, including Light System Manager, iPlayer 3, and ColorDial Pro, or a third-party controller.

Included in the box

iColor Cove MX Powercore fixture
Installation Instructions

Item	Type		Item Number	Philips 12NC
iColor Cove MX Powercore 1 ft (305 mm)	125° x 120°	UL / cUL / CE	123-000004-02	910503701221
		CCC	123-000004-05	910503701923
	50° x 70°	UL / cUL / CE	123-000004-03	910503701222
		CCC	123-000004-06	910503701997
iColor Cove MX Powercore 4 ft (1.2 m)	125° x 120°	UL / cUL / CE	123-000004-07	910503702587
		CCC	123-000004-09	910503703165
	50° x 70°	UL / cUL / CE	123-000004-08	910503702588
		CCC	123-000004-10	910503703166
Mounting Track, White	1 @ 4 ft (1219 mm)		120-000124-00	910503701787
Leader Cable with Terminator	10 ft (3.1 m)	UL / cUL	108-000050-00	910503701686
		CE / CCC	108-000050-01	910503701687
Jumper Cable	1 ft (305 mm)	UL / cUL	108-000049-01	910503701683
		CE / CCC	108-000049-03	910503701685
	5 ft (1.5 m)	UL / cUL	108-000049-00	910503701682
		CE / CCC	108-000049-02	910503701684
Wiring Compartment with Terminator		UL / cUL	120-000077-02	910503701740
Terminators, Quantity 10			120-000099-01	910503704251
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.

Installation

iColor Cove MX Powercore offers high-intensity indoor cove lighting with Powercore technology. Powercore, which integrates LED power and data management within the fixture, eases installation by eliminating the need for external power supplies.

Owner / User Responsibilities

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate iColor Cove MX 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.

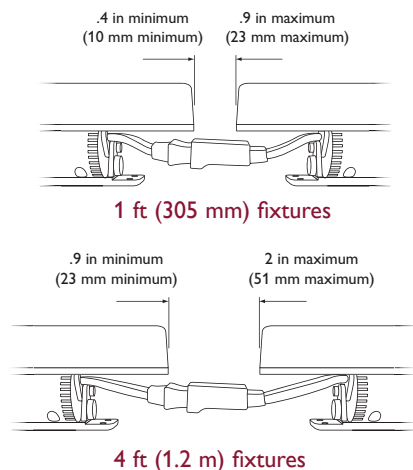
✳ Refer to the *iColor Cove MX Powercore Installation Instructions* for specific warning and caution statements.

✳ Refer to the *Data Enabler Pro Installation Instructions* or *Product Guide* for guidelines on configuring and positioning the Data Enabler Pro in relation to the controller.

Create a Lighting Design Plan and Layout Grid

1. Determine the appropriate location of each Data Enabler Pro in relation to the fixtures, and of the fixtures in relation to each other. The Data Enabler Pro and first fixture must be separated by no more than the 10 ft (3.1 m) length of the Leader Cable.

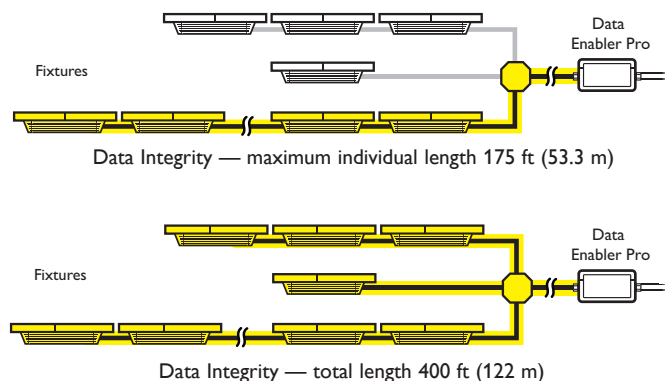
Distance between fixtures joined end-to-end



iColor Cove MX Powercore fixtures are installed in series. The in-line connectors allow end-to-end fixture connections for the best visual effects. Joined directly together, the connectors on the 1 ft (305 mm) fixtures allow for spacing of .4 in (10 mm) to .9 in (23 mm) without a jumper cable, while the connectors on the 4 ft (1.2 m) fixtures allow for spacing of .9 in (23 mm) to 2 in (51 mm) without a jumper cable. When you need to separate fixtures by more than these minimums, use the 1 ft (305 mm) or 5 ft (1.5 m) jumper cables.

The maximum number of fixtures each Data Enabler Pro can support depends on specific configuration details such as fixture length, fixture spacing, circuit size, line voltage, and Leader Cable length. For help calculating the number of fixtures your specific installation can support, download the Configuration Calculator from www.philipscolorkinetics.com/support/install_tool/, or consult Application Engineering Services at support@colorkinetics.com.

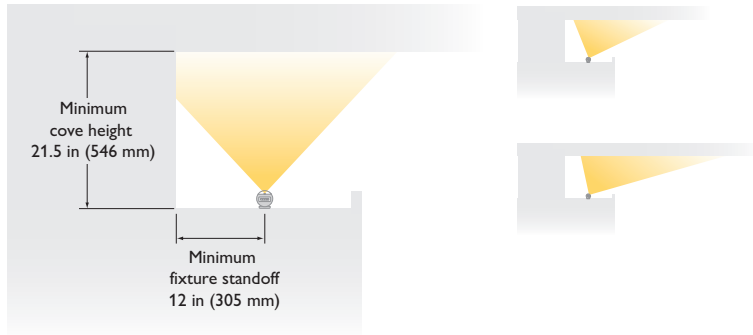
In addition to maximum fixture run lengths determined by the electrical configuration, each Data Enabler Pro imposes maximum run lengths based on data integrity. To ensure data integrity, maximum individual run lengths should not exceed 175 ft (53.3 m), and the total cable length per Data Enabler Pro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



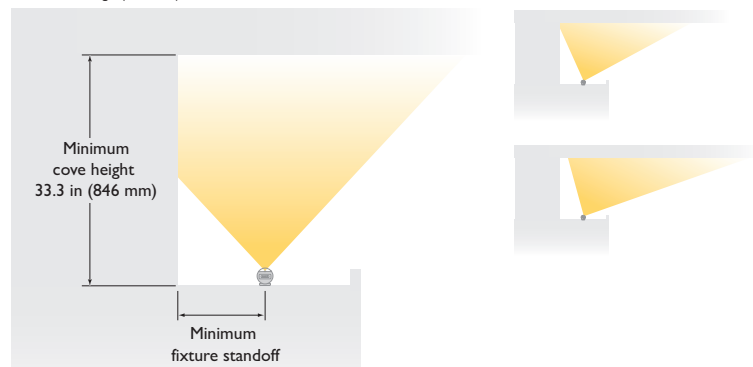
2. iColor Cove MX Powercore is a versatile linear RGB LED lighting fixture that can be used successfully in many different types of accent and direct-view lighting applications. Because of its high light output, iColor Cove MX Powercore should be positioned at a minimum distance from illuminated surfaces in accent lighting applications to ensure smooth color mixing.

In all cases, iColor Cove MX Powercore fixtures should be set back horizontally from illuminated surfaces by a minimum of 12 in (305 mm). When installed end-to-end in a cove, cornice, or other architectural feature at the perimeter of a space, minimum mixing distance at the center of a run of fixtures is 20 in (508 mm) for the wide beam angle, and 31.8 in (808 mm) for the medium beam angle. Because of end-of-run effects typical of all linear lighting fixtures, minimum mixing distance at the ends of runs of multiple fixtures, or for single fixtures used in isolation, increases to 32 in (813 mm) for the wide beam angle and 60 in (1.5 m) for the medium beam angle. Extra care should be taken to avoid or conceal unwanted color flares or variations in such situations.

iColor Cove MX Powercore
Wide beam angle (125° x 120°)



iColor Cove MX Powercore
Medium beam angle (50° x 70°)



At up to 387 lumens per foot, iColor Cove MX Powercore fixtures may be more appropriate for wall-washing and indirect lighting applications than for traditional cove applications at full output, especially where coves are relatively small.

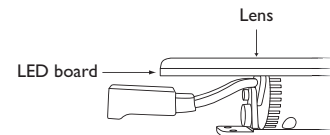
If installing iColor Cove MX Powercore in a cove, make sure that you use the fixture's power consumption and efficiency ratings to ensure that coves are large enough to keep operating temperatures within safe levels. The designer or architect should also determine the cove's fascia design and fixture setback based on the cove dimensions and room width. We strongly recommend creating dimensional models and mockups prior to installation.

Start the Installation

1. Install all Data Enabler Pro devices, including any interfaces with controllers. One Leader Cable is required to connect each run or series of fixtures to a Data Enabler Pro. The Data Enabler Pro sends power and control signals to the fixtures over the Leader Cable.
2. Verify that all additional supporting equipment (switches, controllers) is in place.
3. If your installation calls for Jumper Cables to add space between fixtures, make sure they are available.

⚠ These diagrams provide general guidelines for positioning iColor Cove MX Powercore fixtures in coves with matte white surfaces. Specific dimensions and positioning depend on the details of your installation.

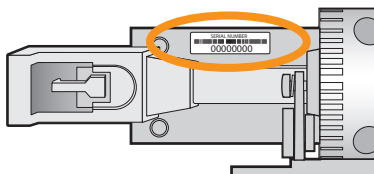
⚠ Minimum cove height is mixing distance + height of fixture to LED board.



4. Ensure that all additional parts (optional mounting tracks, mounting hardware, terminators) and tools are available.

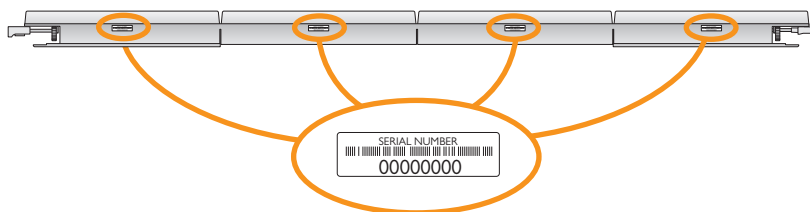
Unpack and Prepare Fixtures

1. Carefully inspect the box containing iColor Cove MX Powercore and the contents for any damage that may have occurred in transit.
2. On an architectural diagram or other diagram that shows the physical layout of the installation, identify the locations of all switches, controllers, power supplies, fixtures, and Leader and Jumper Cables.
3. iColor Cove MX Powercore fixtures are addressable in 1 ft (305 mm) segments. This feature allows playback controllers to send unique light output data to each segment of each fixture within your installation.



Location of serial number on 1 ft (305 mm) iColor Cove MX Powercore fixtures

Each fixture segment (node) comes pre-programmed with a unique serial number. Fixtures have one or four serial numbers depending on fixture length. As you unpack the fixtures, record the serial numbers in a layout grid (typically a spreadsheet or list) for easy reference and light addressing.



Location of serial numbers on 4 ft (1.2 m) iColor Cove MX Powercore fixtures

4. Assign each fixture to a position in the lighting design plan.
5. To streamline installation and aid in light 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.

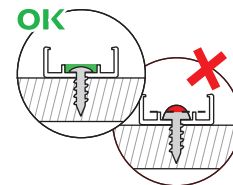
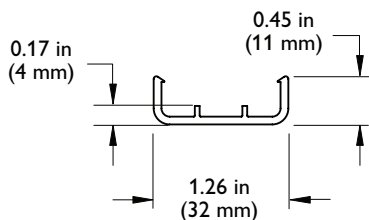
Install the Fixtures

You can mount iColor Cove MX Powercore fixtures directly to a wall, ceiling, cabinet, or other secure surface. For linear applications, you can install several iColor Cove MX Powercore fixtures in optional 4 ft (1.2 m) lengths of mounting track to ensure straight runs.

(Optional) Install Mounting Tracks

1. Field-cut the mounting tracks to the desired length with hacksaws or tin snips.
2. Install the mounting tracks using hardware suitable for the mounting surface.

To ensure proper fixture fit, hardware must not extend above the track standoffs after installation. The recommended maximum spacing between screws is 12 in (305 mm).



Mount and Connect the Fixtures

Make sure the power is OFF before mounting and connecting fixtures.

1. Rotate an iColor Cove MX Powercore fixture as necessary to provide unobstructed access to the mounting holes.
2. Position the first fixture in a series.

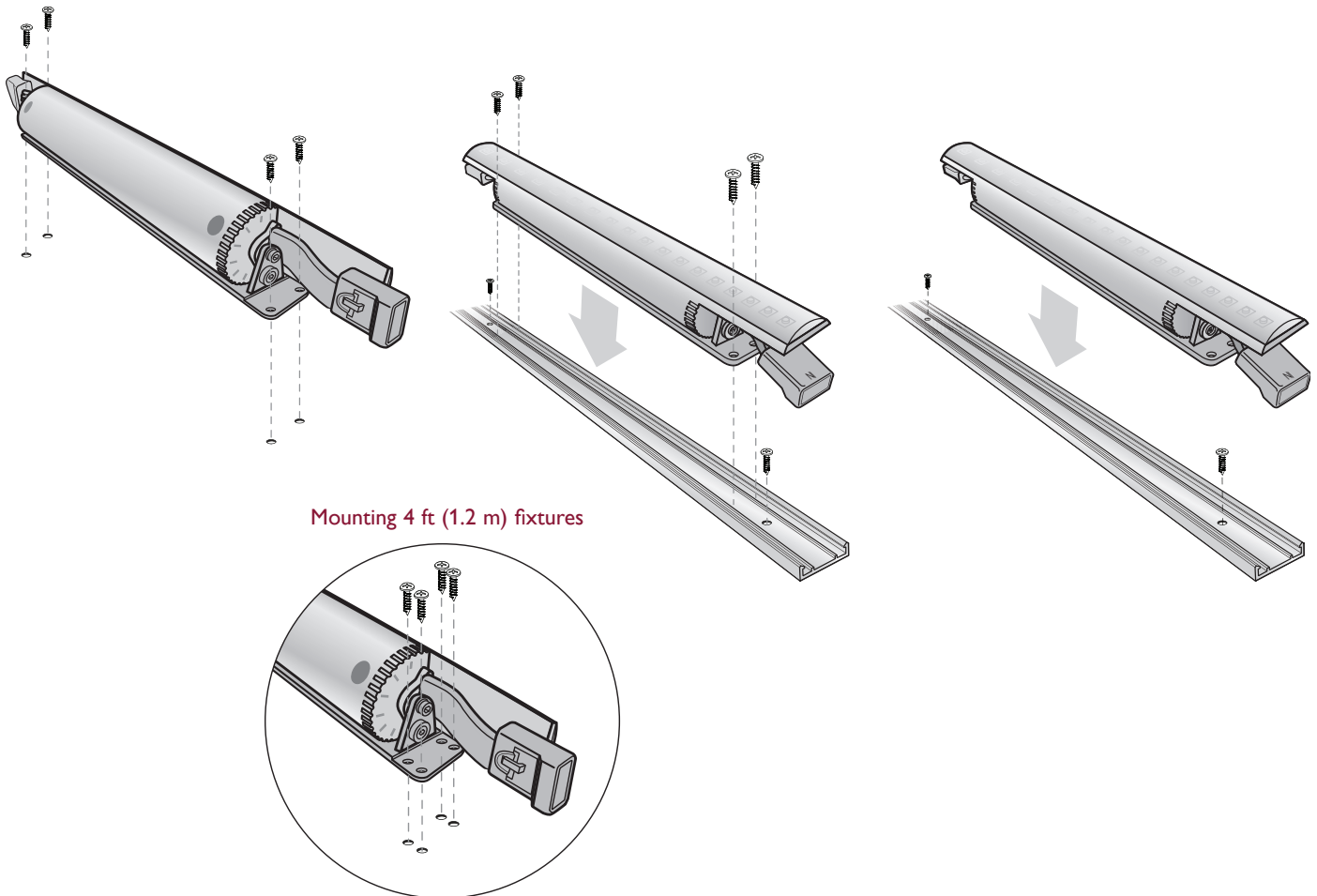
If using mounting tracks on a horizontal surface, snap the fixture into the track.

If using mounting tracks on vertical or overhead surfaces, or if not using mounting tracks, attach 1 ft (305 mm) fixtures with four #6 (3.5 mm) mounting screws each (not included) suitable for the mounting surface. Attach 4 ft (1.2 m) fixtures with eight #6 (3.5 mm) mounting screws suitable for the mounting surface, four at each end of the fixture,

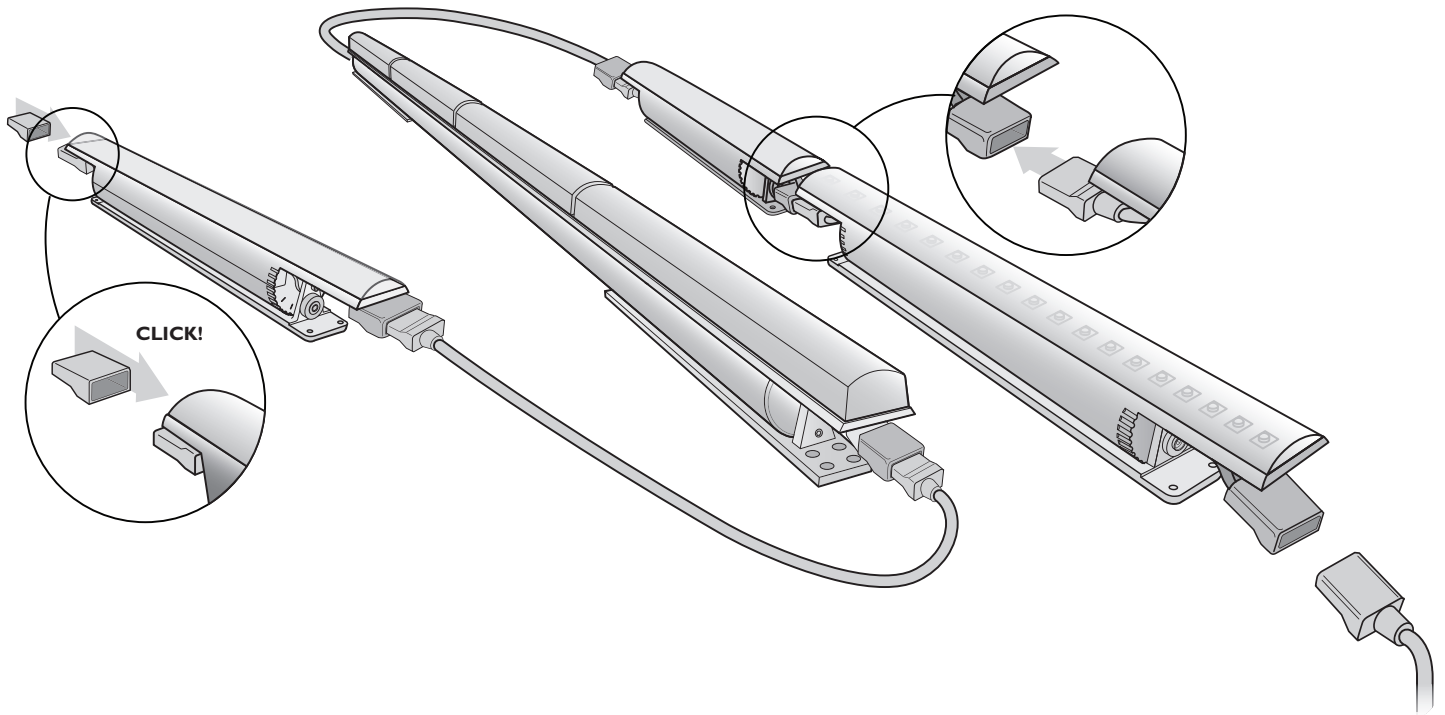
Ensure that the male connector is in position to receive data and power from the leader cable's female connector.

⚠ If using the Wiring Compartment to run conduit from Data Enabler Pro to the first fixture in a run, make sure you leave enough space at the end of the run to accommodate the Wiring Compartment.

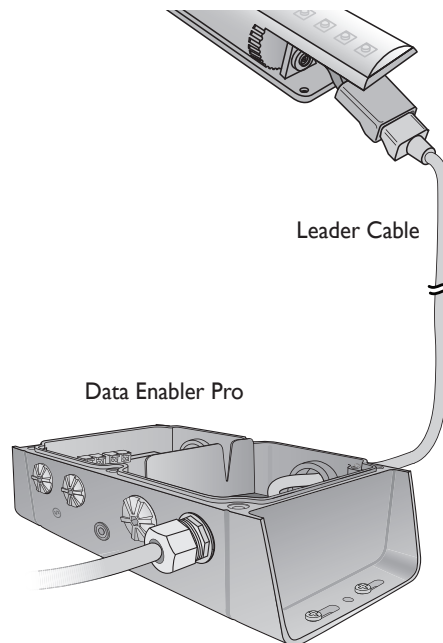
⚠ You can use the fixture base as a template when pre-drilled holes are required. Hold the fixture in place and mark the four screw holes.



3. Position the next fixture in the series, matching the male connector end to the female connector of the previously mounted fixture. Attach the fixture to the surface or snap it into the track.
4. Continue mounting the fixtures, making power / data connections as you go, until all lights in the series are mounted.
5. Insert the provided terminator into the last fixture in the series.

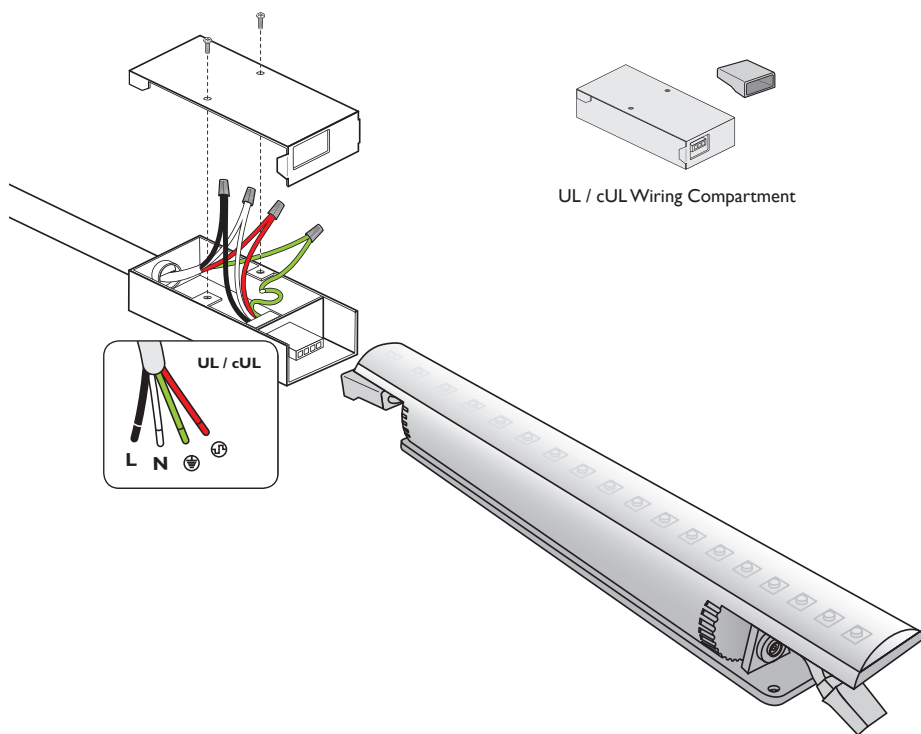


6. Make power connections:
 - If using a Leader Cable, connect the Leader Cable to the first fixture in the series. Run the Leader Cable to the Data Enabler Pro.

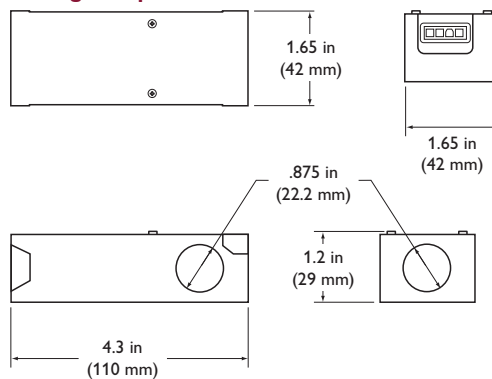


If using the iColor Cove MX Powercore Wiring Compartment to run conduit from the Data Enabler Pro to the first fixture in a series, pull cable through conduit. (We recommend standard 4-conductor 12 AWG copper wire.)

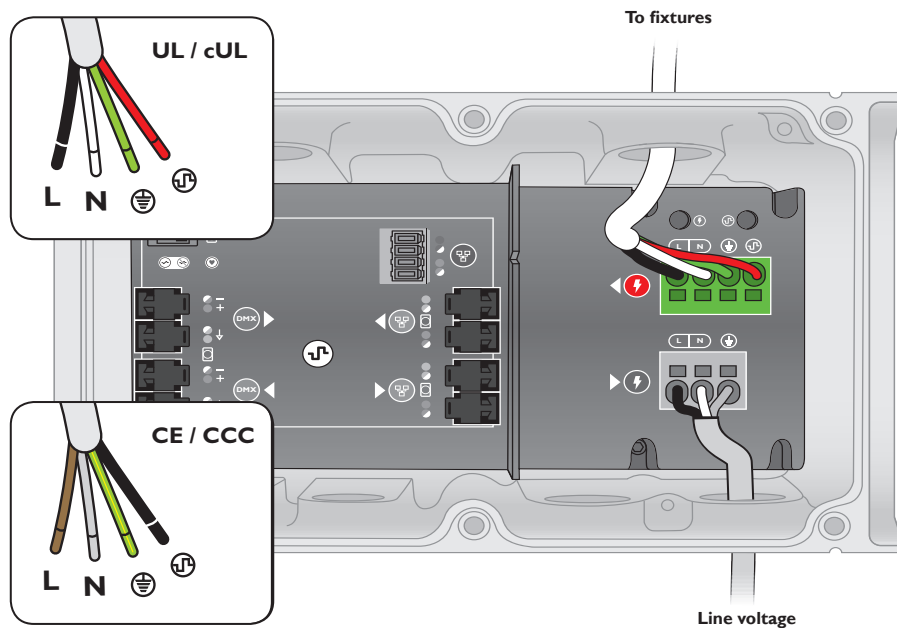
Remove the cover from the Wiring Compartment. Using wire nuts, make wire connections inside the Wiring Compartment housing, then replace the cover. Connect the Wiring Compartment to the first fixture in the series.



Wiring Compartment dimensions



7. Secure connections within the Data Enabler Pro housing.



8. Repeat steps 1 – 7 for each Data Enabler Pro in the installation.

Address and Configure the Fixtures

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

iColor Cove MX Powercore fixtures are addressable in 1 ft (305 mm) segments, or nodes. iColor Cove MX Powercore fixtures have one or four nodes, depending on fixture length. Each node is identified by a unique serial number.

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

In 8-bit mode, fixture nodes use one DMX address per LED channel (red, green, and blue). In 16-bit mode, fixture nodes 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.

* You can address fixtures and switch between 8-bit mode and 16-bit mode using QuickPlay Pro. You can download QuickPlay Pro from www.philipscolorkinetics.com/support/addressing/

DMX Channel 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

Each iColor Cove MX Powercore node comes factory-addressed with a starting DMX address of 1. For lighting designs where fixtures work in unison, all nodes can be assigned the same starting DMX address. Changes to the default starting DMX address are not necessary, but if nodes were previously readdressed for use in other installations, you must reset them. For light show designs that show different colors on different fixtures, you must assign unique DMX addresses to nodes and sort them in a useful order.

* You will need the layout grid that you created when you recorded the serial numbers of the light fixtures in your installation.

- 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.

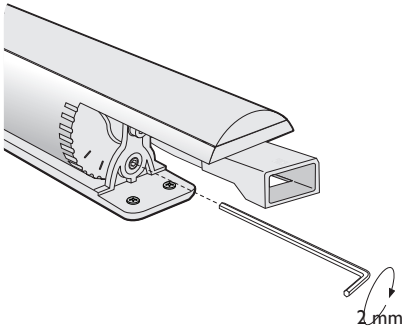
For complete details on addressing and configuring iColor Cove MX Powercore fixtures with QuickPlay Pro, refer to the *Addressing and Configuration Guide*, which you can view or download at www.philipscolorkinetics.com/support/addressing.


Aim and Lock the Fixtures

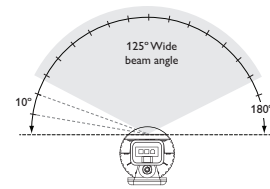
Make sure power is ON before aiming fixtures.

Aim the fixtures by rotating each fixture to the correct angle. There are detents every 10° in the bracket that hold it in position.

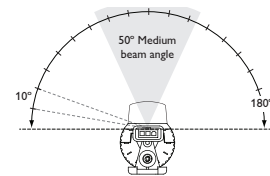
(Optional) Using a 2 mm hex key wrench, tighten the set screw located on each end of the fixture to lock the fixture in place.



 Do not look directly into the fixture when aiming and locking.



125° x 120° (wide beam angle)



50° x 70° (medium beam angle)



Philips Color Kinetics
3 Burlington Woods Drive
Burlington, Massachusetts 01803 USA
Tel 888.385.5742
Tel 617.423.9999
Fax 617.423.9998
www.philipscolorkinetics.com

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