



# PureStyle Intelligent Color Powercore RGBW

Premium concealed interior linear LED luminaire with intelligent white and color light



# PureStyle Intelligent Color Powercore RGBA

## Premium concealed interior linear LED luminaire with intelligent color light

Innovative PureStyle Powercore luminaires bring lighting professionals high output in a compact, easily concealed luminaire. PureStyle delivers exceptionally high-quality light for a wide range of interior applications from cove to wall-washing to backlighting and beyond. Here are just some of the powerful advantages that PureStyle brings to lighting professionals and their clients.

- **Unbeatable Performance**—Major innovations, including a unique optical cluster, enable PureStyle to deliver up to 800 lumens—all with superior beam quality that delivers bright, smooth light.
- **Innovative Design**—With its compact size and an extremely short mixing distance, PureStyle can excel in areas where traditional linear luminaires are impractical. It's available in 305 mm (1 ft) and 1219 mm (4 ft) extruded anodized aluminium housings, as well as a range of beam angles—including wide (100° x 100°), medium (30° x 60°), and narrow (10° by 60°). Interlocking connectors ensure end-to-end installation without visible light scalloping between luminaires—just pure, seamless light.
- **White and Color Light**—PureStyle combines tunable white and dynamic color light in one innovative, high-performance luminaire that's easy to install and control.
- **Superior Color Consistency**—Optibin, our proprietary binning optimization process, guarantees uniformity and consistency of hue across LEDs, luminaires, and manufacturing runs.
- **Industry-Leading Controls**—PureStyle luminaires 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.
- **Higher Efficiency, Lower Cost**—All PureStyle luminaires integrate Powercore technology, which controls power output to luminaires directly from line voltage – rapidly, efficiently, and accurately. The Philips Color Kinetics Data Enabler Pro merges line voltage with control, and delivers them to the luminaire over a single standard cable—simplifying installation dramatically and lowering total system cost.
- **Easy Installation**—PureStyle luminaires accept power input of 100 to 277 VAC for consistent installation anywhere in the world. Powercore allows long runs and eliminates the need for special wiring and external power supplies. For example, special connectors enable PureStyle luminaires to be connected directly (using jumper cables) with leader cables or with the terminator.



### Flexible mounting and positioning

The PureStyle end-to-end locking power connectors can make 180° turns, making these compact luminaires easy to position in even the most challenging mounting scenarios. 305 mm (1 ft) and 1.5 m (5 ft) jumper cables can add extra space between luminaires

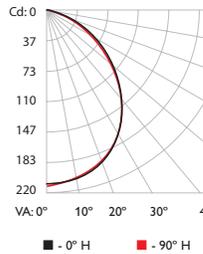
# Photometrics

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

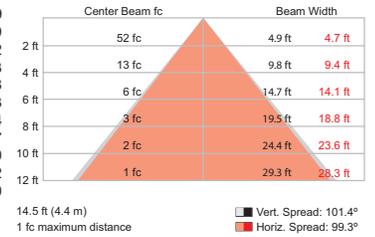
PureStyle Intelligent Color Powercore  
**RGBA**  
 All LED channels full on  
 1 ft, 100° x 100° (wide) beam angle

Lumens	Efficacy
538	40.9

## Polar Candela Distribution



## Illuminance at Distance



## Zonal Lumen

Zone	Lumens	% Luminaire
0-30	162.3	30.1%
0-40	262.8	48.8%
0-60	438.1	81.4%
0-90	526.1	97.7%
60-90	88.0	16.4%
70-100	39.3	7.3%
90-120	7.9	1.5%
90-180	12.1	2.3%
0-180	538.2	100.0%

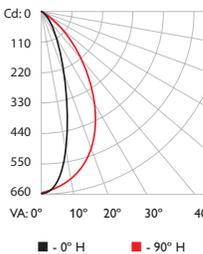
## Coefficients Of Utilization - Zonal Cavity Method

		Effective Floor Cavity Reflectance: 20%																	
RCC %:	80	70	50	30	10	0													
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0				
RCR:	0	1.19	1.19	1.19	1.19	1.15	1.15	1.15	0.98	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	0.98
1	1.09	1.04	1.00	0.97	1.06	1.02	0.98	0.84	0.97	0.94	0.92	0.93	0.91	0.88	0.89	0.87	0.85	0.83	0.83
2	1.00	0.92	0.85	0.80	0.97	0.90	0.84	0.72	0.86	0.81	0.77	0.82	0.78	0.75	0.79	0.76	0.73	0.70	0.70
3	0.91	0.81	0.74	0.67	0.89	0.80	0.72	0.62	0.76	0.70	0.65	0.73	0.68	0.64	0.70	0.66	0.62	0.60	0.60
4	0.84	0.72	0.64	0.58	0.81	0.71	0.63	0.54	0.68	0.61	0.56	0.66	0.60	0.55	0.63	0.58	0.54	0.52	0.52
5	0.77	0.65	0.56	0.50	0.75	0.64	0.56	0.47	0.61	0.54	0.49	0.59	0.53	0.48	0.57	0.52	0.47	0.45	0.45
6	0.72	0.59	0.50	0.44	0.70	0.58	0.50	0.42	0.56	0.48	0.43	0.54	0.47	0.43	0.52	0.46	0.42	0.40	0.40
7	0.66	0.53	0.45	0.39	0.65	0.52	0.44	0.37	0.51	0.44	0.38	0.49	0.43	0.38	0.48	0.42	0.37	0.36	0.36
8	0.62	0.49	0.41	0.35	0.60	0.48	0.40	0.34	0.47	0.39	0.34	0.45	0.39	0.34	0.44	0.38	0.34	0.32	0.32
9	0.58	0.45	0.37	0.32	0.56	0.44	0.37	0.30	0.43	0.35	0.31	0.42	0.35	0.31	0.41	0.35	0.31	0.29	0.29
10	0.54	0.41	0.34	0.29	0.53	0.41	0.33	0.28	0.40	0.33	0.28	0.39	0.32	0.28	0.38	0.32	0.28	0.26	0.26

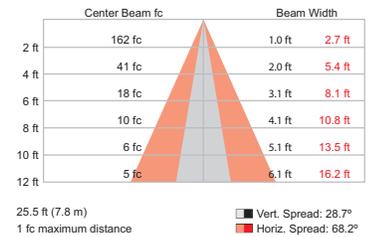
PureStyle Intelligent Color Powercore  
**RGBA**  
 All LED channels full on  
 1 ft, 30° x 60° (medium) beam angle

Lumens	Efficacy
520	38.9

## Polar Candela Distribution



## Illuminance at Distance



## Zonal Lumen

Zone	Lumens	% Luminaire
0-30	290.9	55.9%
0-40	382.2	73.5%
0-60	475.3	91.4%
0-90	517.8	99.5%
60-90	42.5	8.2%
70-100	23.1	4.4%
90-120	2.4	0.5%
90-180	2.4	0.5%
0-180	520.2	100.0%

## Coefficients Of Utilization - Zonal Cavity Method

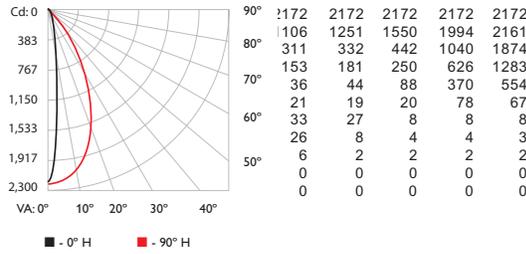
		Effective Floor Cavity Reflectance: 20%																	
RCC %:	80	70	50	30	10	0													
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	0				
RCR:	0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.12	1.08	1.05	1.02	1.09	1.06	1.03	0.90	1.02	0.99	0.97	0.98	0.96	0.94	0.94	0.93	0.91	0.89	0.89
2	1.05	0.98	0.93	0.89	1.02	0.97	0.92	0.81	0.93	0.89	0.86	0.90	0.87	0.84	0.87	0.85	0.82	0.80	0.80
3	0.98	0.90	0.84	0.79	0.96	0.89	0.83	0.74	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.75	0.73	0.73
4	0.92	0.83	0.76	0.71	0.90	0.82	0.76	0.68	0.79	0.74	0.70	0.77	0.73	0.69	0.75	0.71	0.68	0.66	0.66
5	0.87	0.77	0.70	0.65	0.85	0.76	0.69	0.62	0.74	0.68	0.64	0.72	0.67	0.63	0.70	0.66	0.63	0.61	0.61
6	0.82	0.72	0.65	0.60	0.80	0.71	0.64	0.58	0.69	0.63	0.59	0.67	0.62	0.58	0.66	0.61	0.58	0.56	0.56
7	0.77	0.67	0.60	0.55	0.76	0.66	0.60	0.54	0.65	0.59	0.55	0.63	0.58	0.54	0.62	0.57	0.54	0.52	0.52
8	0.73	0.63	0.56	0.51	0.72	0.62	0.56	0.50	0.61	0.55	0.51	0.60	0.54	0.50	0.59	0.54	0.50	0.49	0.49
9	0.70	0.59	0.52	0.48	0.68	0.58	0.52	0.47	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.51	0.47	0.46	0.46
10	0.66	0.56	0.49	0.45	0.65	0.55	0.49	0.44	0.54	0.48	0.45	0.53	0.48	0.44	0.52	0.48	0.44	0.43	0.43

For lux multiply fc by 10.7

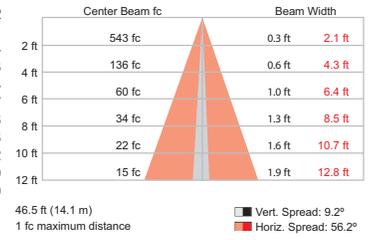
PureStyle Intelligent Color Powercore  
**RGBA**  
 All LED channels full on  
 1 ft, 10° x 60° (narrow) beam angle

Lumens	Efficacy
578	41.9

**Polar Candela Distribution**



**Illuminance at Distance**



**Zonal Lumen**

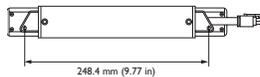
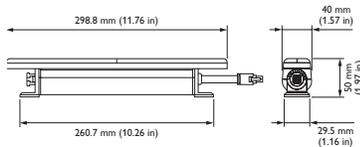
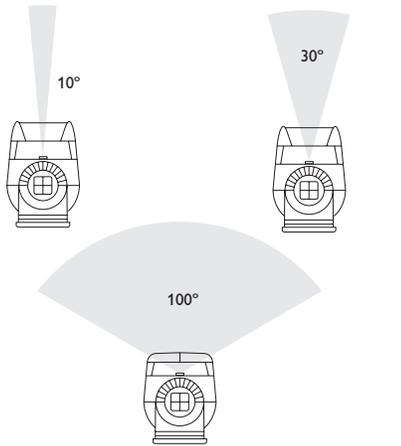
Zone	Lumens	% Luminaire
0-30	425.8	73.7%
0-40	519.1	89.8%
0-60	566.3	98.0%
0-90	577.8	100.0%
60-90	11.5	2.0%
70-100	3.8	0.7%
90-120	0.0	0.0%
90-180	0.0	0.0%
0-180	577.9	100.0%

**Coefficients Of Utilization - Zonal Cavity Method**

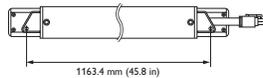
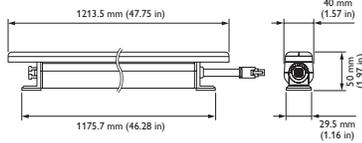
RCC %:	Effective Floor Cavity Reflectance: 20%																		
	80	70	50	30	10	0	80	70	50	30	10	0							
RW %:	70	50	30	0	70	50	30	0	50	30	20	50	30	20	50	30	20	0	
RCR:	0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
	1	1.14	1.11	1.09	1.06	1.11	1.09	1.07	0.94	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
	2	1.08	1.04	1.00	0.96	1.06	1.02	0.98	0.88	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.88
	3	1.03	0.97	0.92	0.88	1.01	0.96	0.91	0.83	0.93	0.89	0.86	0.91	0.88	0.85	0.88	0.86	0.84	0.82
	4	0.98	0.91	0.86	0.82	0.97	0.90	0.85	0.78	0.88	0.84	0.81	0.86	0.82	0.80	0.84	0.81	0.79	0.77
	5	0.94	0.86	0.81	0.76	0.92	0.85	0.80	0.74	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.73
	6	0.90	0.81	0.76	0.72	0.88	0.81	0.75	0.70	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
	7	0.86	0.77	0.72	0.68	0.85	0.77	0.71	0.66	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.65
	8	0.82	0.74	0.68	0.64	0.81	0.73	0.68	0.63	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
	9	0.79	0.70	0.65	0.61	0.78	0.70	0.64	0.60	0.69	0.64	0.61	0.68	0.64	0.60	0.67	0.63	0.60	0.59
	10	0.76	0.67	0.62	0.58	0.75	0.67	0.61	0.57	0.66	0.61	0.58	0.65	0.61	0.58	0.64	0.60	0.58	0.56

# Specifications

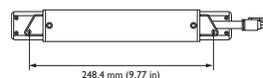
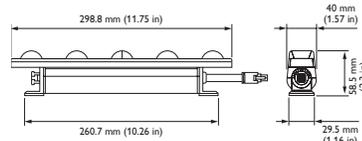
Due to continuous improvements and innovations, specifications may change without notice.



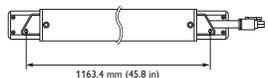
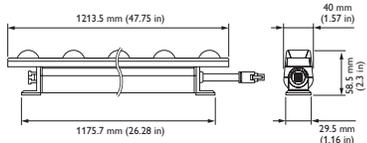
**1 ft, 100° x 100° (wide) beam angle**



**4 ft, 100° x 100° (wide) beam angle**



**1 ft, 10° x 60° / 30° x 60° (narrow/medium) beam angle**



**4 ft, 10° x 60° / 30° x 60° (narrow/medium) beam angle**

Item	Specification	Length	Wide	Medium	Narrow		
Output	Lumens*	305 mm (1 ft)	538	520	578		
		1219 mm (4ft)	2,152	2,080	2312		
	Efficacy		38.9	39	41.9		
	Lumen Maintenance†	Reported		L50	L70	L80	L90
			Calculated	> 54,000 hours	> 54,000 hours	35,700 hours	11,300 hours
LED Channels		Red / Green / Blue / Amber					
Electrical	Input Voltage	100 to 277 VAC, auto-ranging, 50 / 60 Hz via Data Enabler Pro					
	Power Consumption	13 W maximum at full output, steady state		52 W maximum at full output, steady state			
	Power Factor	> 0.9 @ 100 to 240 VAC, > 0.85 @ 240 to 277 VAC					
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 (Length x Width x Height)	305 mm (1 ft) Wide Beam	298.8 x 40 x 50 mm (11.75 x 1.57 x 1.97 in)				
		305 mm (1 ft) Narrow/Medium Beam	1298.8 x 40 x 58.5 mm (11.75 x 1.57 x 2.3 in)				
		1219 mm (4ft) Wide Beam	1213.5 x 40 x 50 mm (47.75 x 1.57 x 1.97 in)				
		1219 mm (4ft) Narrow/Medium Beam	1213.5 x 40 x 58.5 mm (47.75 x 1.57 x 2.3 in)				
	Weight	0.5 kg (1.1 lb) - 305 mm (1 ft) 1.8 kg (4.2 lb) - 1219 mm (4 ft)					
	Housing	Extruded anodized aluminium					
	Lens	Polycarbonate					
	Luminaire Connections	Integral male/female connectors					
	Temperature Ranges	-20 to 50 °C (-4 to 122 °F) Operating -20 to 50 °C (-4 to 122 °F) Startup -40 to 80 °C (-40 to 176 °F) Storage					
	Humidity	0 to 95%, non-condensing					
Luminaire Run Lengths	To calculate luminaire run lengths and total power consumption for your specific installation, download the Configuration Calculator from <a href="http://www.philipscolorkinetics.com/support/install_tool/">www.philipscolorkinetics.com/support/install_tool/</a>						
Certification and Safety	Certification	UL/cUL, FCC Class B, CE, PSE, CQC, RCM					
	Environment	Dry/Damp Location, IP20					

CHROMACORE<sup>®</sup> CKTECHNOLOGY | OPTIBIN<sup>®</sup> CKTECHNOLOGY | POWERCORE<sup>®</sup> CKTECHNOLOGY



\* 305 mm (1 ft) lumen measurements comply with IES LM-79-08 testing procedures. 1219 mm (4 ft) measurements are estimated based on the 305 mm (1 ft) measurements.

† 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 luminaires are based on measurements that comply with IES LM-80-08 testing procedures. Refer to [www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf](http://www.philipscolorkinetics.com/support/appnotes/lm-80-08.pdf) for more information.

# Luminaires and Accessories

PureStyle Intelligent Color Powercore RGBA luminaires are part of a complete system which includes luminaires and the following equipment:

- One or more Data Enabler Pro devices.
- One Leader Cable to connect each Data Enabler Pro output to a series of luminaires, 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

PureStyle Intelligent Color Powercore RGBA luminaire
Installation Instructions

Item	Type	Item Number	Philips 12NC
PureStyle Intelligent Color Powercore RGBA 305 mm (1 ft)	100° x 100° (Wide)	123-000026-00	912400133454
	30° x 60° (Medium)	123-000026-01	912400133455
	10° x 60° (Narrow)	123-000026-02	912400133456
PureStyle Intelligent Color Powercore RGBA 1219 mm (4 ft)	100° x 100° (Wide)	123-000026-03	912400133457
	30° x 60° (Medium)	123-000026-04	912400133458
	10° x 60° (Narrow)	123-000026-05	912400133459

Item	Style	Item Number*	Philips 12NC
Data Enabler Pro	3/4 in / 1/2 in NPT (US trade size conduit)	106-000004-00	910503701210
	PG21/PG13 (metric size conduit)	106-000004-01	910503701211

Item	Type	Item Number	Philips 12NC	
Leader Cable	1.2 m (10 ft)	UL	108-000065-00	912400133637
		CE/CCC	108-000065-01	912400133638
Jumper Cable	305 mm (1 ft)	UL	108-000066-00	912400133639
		CE/CCC	108-000066-01	912400133640
	1219 mm (5 ft)	UL	108-000066-02	912400133641
		CE/CCC	108-000066-03	912400133642
Mounting Track	White	120-000194-00	912400133643	
Wiring Compartment	UL	120-000191-00	912400133644	
Louver	305 mm (1 ft)	120-000192-02	912400133647	
End Of Run Diffusers	Bag of 10	120-000196-00	912400134527	

Use Item Number when ordering in North America.

# Installation

PureStyle Intelligent Color Powercore RGBA offers high-intensity indoor cove lighting with Powercore technology. Powercore, which integrates LED power and data management within the luminaire, 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 PureStyle Intelligent Color Powercore RGBA luminaires 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 *PureStyle Intelligent Color Powercore RGBA Installation Instructions* for specific warning and caution statements.

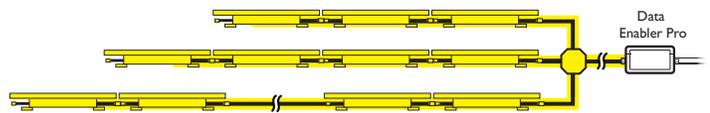
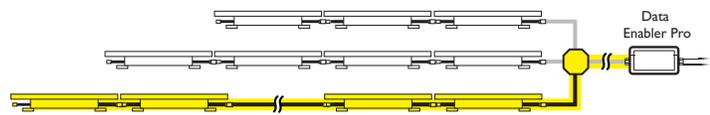
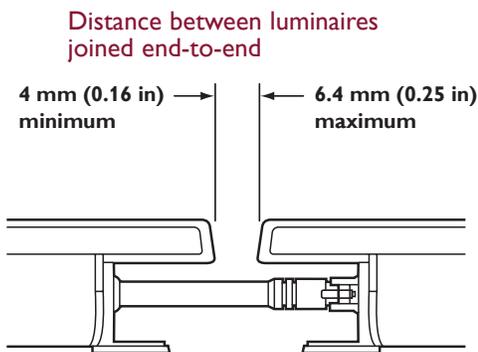
## Create a Lighting Design Plan and Layout Grid

1. Determine the appropriate location of each Data Enabler Pro in relation to the luminaires, and of the luminaires in relation to each other.

PureStyle Intelligent Color Powercore RGBA luminaires are installed in series. The in-line connectors allow end-to-end luminaire connections for the best visual effects. Joined directly together, the connectors allow for spacing of 4 mm (0.16 in) to 6.4 mm (0.25 in) without a jumper cable. When you need to separate luminaires by more than these minimums, use the 305 mm (1 ft) or 1.5 m (5 ft) jumper cables.

The maximum number of luminaires each Data Enabler Pro can support depends on specific configuration details such as luminaire length, luminaire spacing, circuit size, line voltage, and Leader Cable length. For help calculating the number of luminaires your specific installation can support, download the Configuration Calculator from [www.philipscolorkinetics.com/support/install\\_tool/](http://www.philipscolorkinetics.com/support/install_tool/), or consult Application Engineering Services at [support@colorkinetics.com](mailto:support@colorkinetics.com).

In addition to maximum luminaire 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 53.3 m (175 ft), and the total cable length per Data Enabler Pro should not exceed



122 m (400 ft).

2. PureStyle Intelligent Color Powercore RGBA is a versatile linear 4-channel LED lighting luminaire that can be used successfully in many different types of accent and direct-view lighting applications. Because of its high light output, PureStyle Intelligent Color Powercore RGBA should be positioned at a minimum distance from illuminated surfaces in accent lighting applications to ensure smooth color mixing.

Because PureStyle luminaires can be used in several lighting applications, setback distance is installation dependent. A wide beam angle is recommended for

cove applications where there is more distance between the luminaire and the illuminated surface, while a narrow/medium beam angle is recommended for grazing applications where the distance between luminaire and illuminated surface is shorter. IES files are provided, but a mockup is recommended for the most accurate evaluation of a space.

At up to 549 lumens per foot, PureStyle Intelligent Color Powercore RGBA luminaires may be more appropriate for wall-washing, grazing, and indirect lighting applications than for traditional cove applications at full output, especially where coves are relatively small.

If installing PureStyle Intelligent Color Powercore RGBA in a cove, make sure that you use the luminaire's power consumption and efficacy 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 luminaire setback based on the cove dimensions and room width. We strongly recommend creating dimensional models and mockups prior to installation.

## Start the Installation

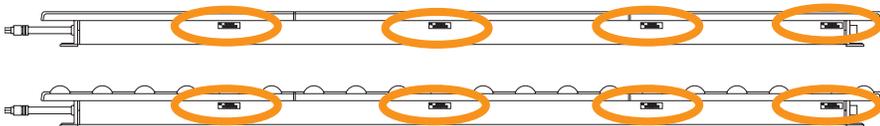
1. Install all Data Enabler Pro devices, including any interfaces with controllers. One Leader Cable is required to connect each run or series of luminaires to a Data Enabler Pro. The Data Enabler Pro sends power and control signals to the luminaires over the Leader Cable.
2. Verify that all additional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

 For medium and narrow beam angle luminaires, make sure the Power and Data is fed from the appropriate side of the run to account for directionality of light.

## Unpack and Prepare Luminaires

1. Carefully inspect the box containing PureStyle Intelligent Color Powercore RGBA 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, luminaires, and Leader and Jumper Cables.
3. PureStyle Intelligent Color Powercore RGBA luminaires are addressable in 305 mm (1 ft) segments. This feature allows playback controllers to send unique light output data to each segment of each luminaire within your installation.

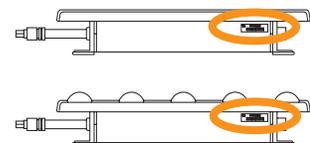
Each luminaire segment (node) comes pre-programmed with a unique serial number. Luminaires have one or four serial numbers, depending on luminaire length. As you unpack the luminaires, record the serial numbers in a layout grid



Location of serial numbers on 1219 mm (4 ft) PureStyle Intelligent Color Powercore RGBA luminaires

(typically a spreadsheet or list) for easy reference and light addressing.

4. Assign each luminaire to a position in the lighting design plan.
5. To streamline installation and aid in light show programming, you can affix a

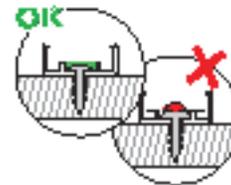


Location of serial number on 305 mm (1 ft) PureStyle Intelligent Color Powercore RGBA luminaires

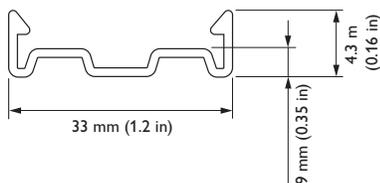
weatherproof label identifying the order or placement in the installation to an inconspicuous location on each luminaire's housing.

## Install the Luminaires

You can mount PureStyle Intelligent Color Powercore RGBA luminaires directly to a wall, ceiling, cabinet, or other secure surface. For linear applications, you can install several PureStyle Intelligent Color Powercore RGBA luminaires in optional 1219 mm (4 ft) lengths of mounting track to ensure straight runs.



### Mounting Track dimensions



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

✳ You can use the luminaire base as a template when pre-drilled holes are required. Hold the luminaire in place and mark the two screw holes.

### (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 luminaire fit, hardware must not extend above the track standoffs after installation. The recommended maximum spacing between screws is 305 mm (1 ft).

### Mount and Connect the Luminaires

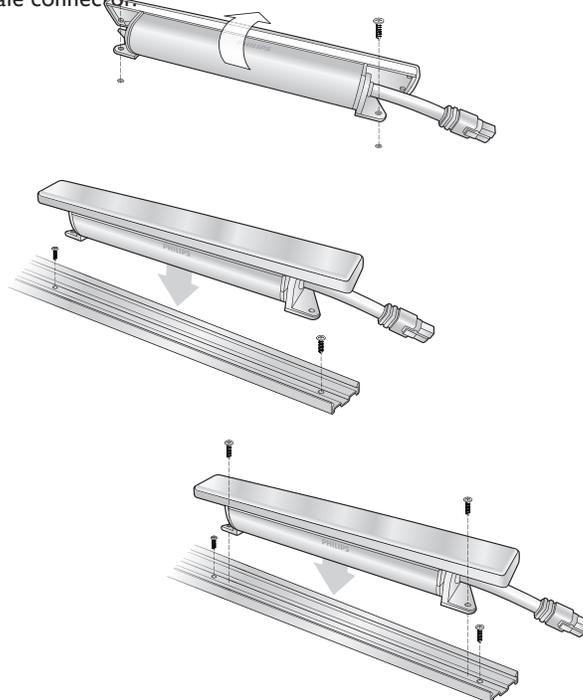
Make sure the power is OFF before mounting and connecting luminaires.

1. Rotate a PureStyle Intelligent Color Powercore RGBA luminaire as necessary to provide unobstructed access to the mounting holes.
2. Position the first luminaire in a series.

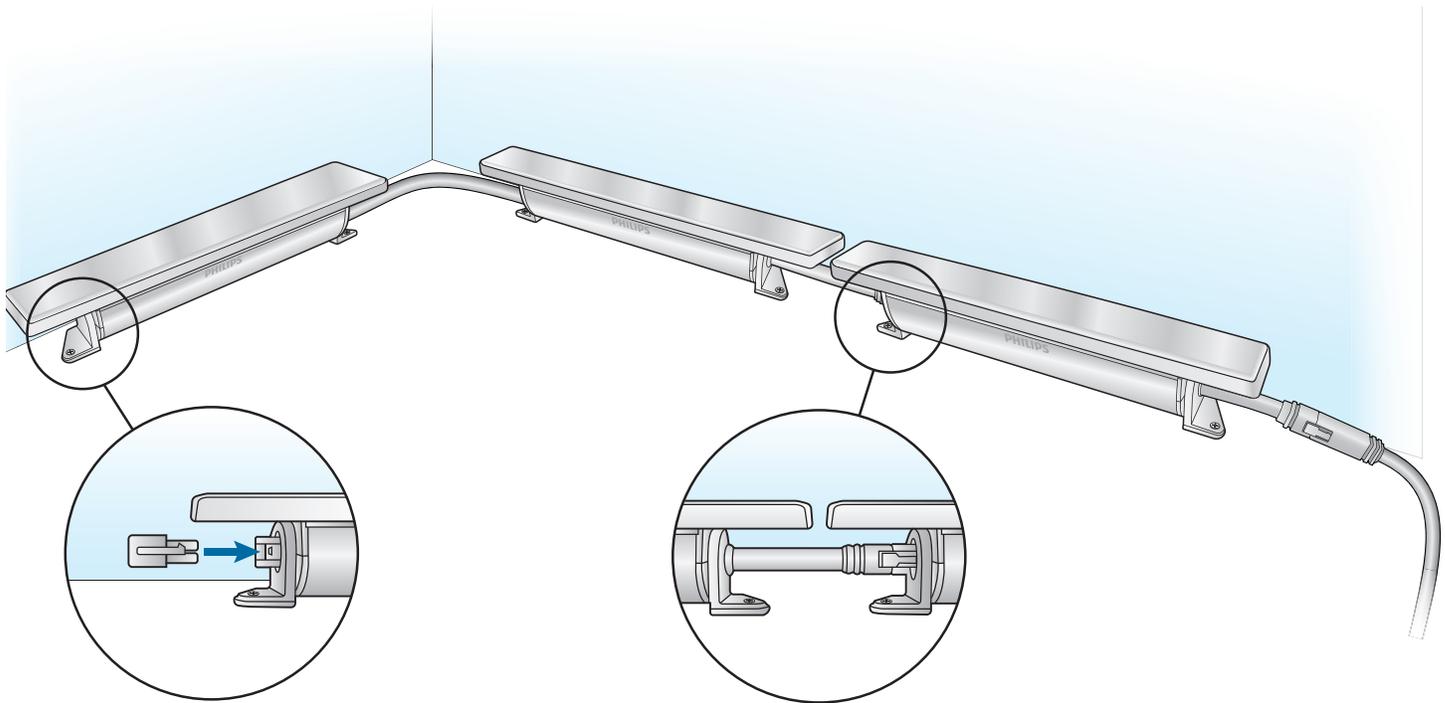
If using mounting tracks on a horizontal surface, snap the luminaire into the track.

If using mounting tracks on vertical or overhead surfaces, or if not using mounting tracks, attach 305 mm (1 ft) luminaires with two #6 (3.5 mm) mounting screws each (not included) suitable for the mounting surface. Attach 1219 mm (4 ft) luminaires with two #6 (3.5 mm) mounting screws suitable for the mounting surface, four at each end of the luminaire,

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

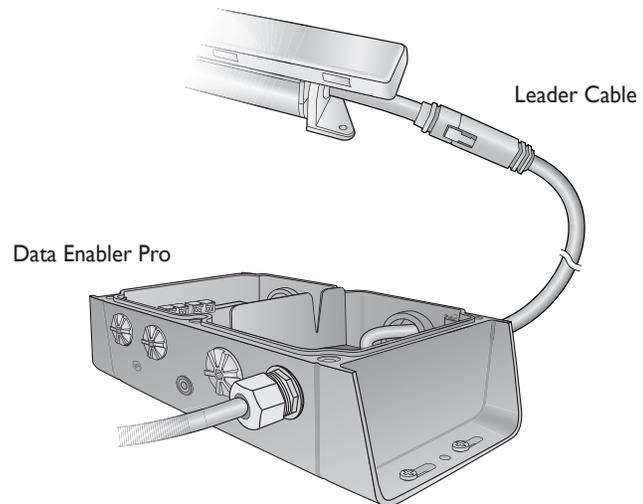


3. Position the next luminaire in the series, matching the male connector end to the female connector of the previously mounted luminaire. Attach the luminaire to the surface or snap it into the track.
4. Continue mounting the luminaires, making power/data connections as you go, until all lights in the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



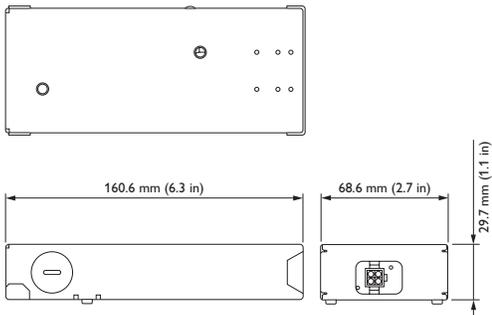
6. Make power connections:

If using a Leader Cable, connect the Leader Cable to the first luminaire in the series. Run the Leader Cable to the Data Enabler Pro.

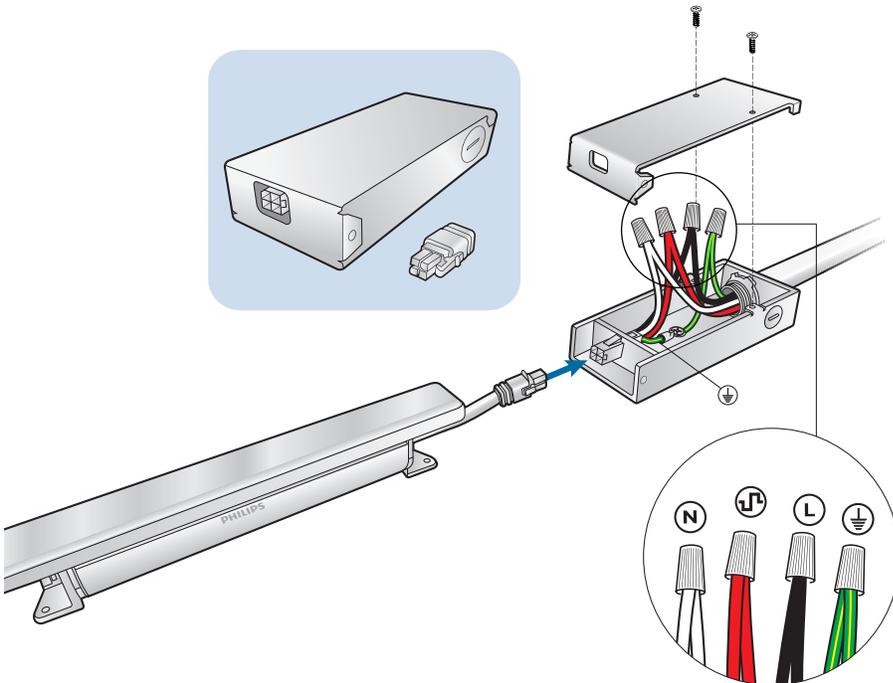


If using the PureStyle Intelligent Color Powercore RGBA Wiring Compartment to run conduit from the Data Enabler Pro to the first luminaire in a series, pull cable through conduit. (We recommend standard 4-conductor 12 AWG copper wire.)

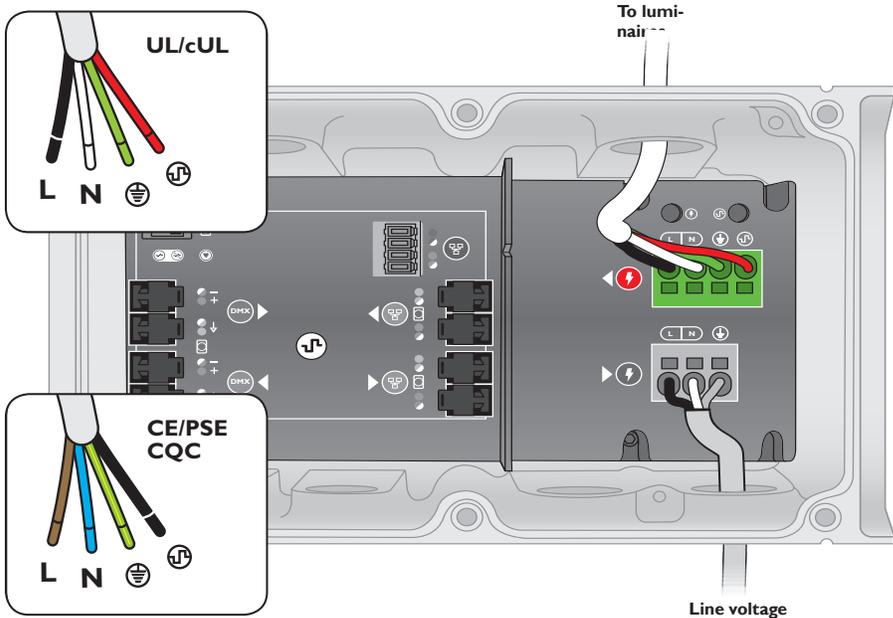
**Wiring Compartment dimensions**



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 luminaire in the series.



**7. Secure connections within the Data Enabler Pro housing.**



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

# Address and Configure the Luminaires

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

PureStyle Intelligent Color Powercore RGBA luminaires are addressable in 1 ft (305 mm) segments, or nodes. PureStyle Intelligent Color Powercore RGBA luminaires have one or four nodes, depending on luminaire length. Each node is identified by a unique serial number.

PureStyle Intelligent Color Powercore RGBA luminaires operate in 8-bit mode by default. You can configure PureStyle Intelligent Color Powercore RGBA to operate in 16-bit mode, which increases luminaire resolution for smoother dimming.

In 8-bit mode, luminaire nodes use one DMX address per LED channel (red, green, blue, and amber). In 16-bit mode, luminaire 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 luminaire resolution from 256 dimming steps to 65,536 (256 x 256) dimming steps.

Configuration	DMX Addresses Per Segment
3-3 Channel Configuration, 8-bit	3
3-3 Channel Configuration, 16-bit	6
3-4 Channel Configuration, 8-bit	3
3-4 Channel Configuration, 16-bit	6
4-4 Channel Configuration, 8-bit	4
4-4 Channel Configuration, 16-bit	8

Each PureStyle Intelligent Color Powercore RGBA node comes factory-addressed with a starting DMX address of 1. For lighting designs where luminaires 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 luminaires, you must assign unique DMX addresses to nodes and sort them in a useful order.

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

For complete details on addressing and configuring PureStyle Intelligent Color Powercore RGBA luminaires with QuickPlay Pro, refer to the *Addressing and Configuration Guide*, which you can view or download at [www.philipscolorkinetics.com/support/addressing](http://www.philipscolorkinetics.com/support/addressing).

 You can address luminaires and switch between 8-bit mode and 16-bit mode using QuickPlay Pro. You can download QuickPlay Pro from [www.philipscolorkinetics.com/support/addressing/](http://www.philipscolorkinetics.com/support/addressing/)

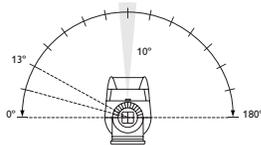
 You will need the layout grid that you created when you recorded the serial numbers of the light luminaires in your installation.

## Aim Luminaires

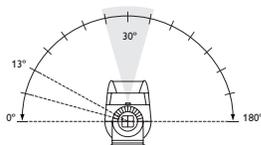
Make sure power is ON before aiming luminaires.

Aim the luminaires by rotating each luminaire to the correct angle. There are detents every 13° in the bracket that hold it in position.

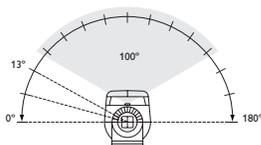
 Do not look directly into the luminaire when aiming and locking.



**10° x 60° (narrow beam angle)**



**30° x 60° (medium beam angle)**



**100° x 100° (wide beam angle)**

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