



## unoCOLOR COVE



Color Kinetics® unoColor Cove is a digital, single-color cove light. It brings colored light and lighting effects to alcoves, task areas, accent areas and other tight spaces without the expense or constraints of conventional colored lighting methods.

unoColor Cove is modular in design, and projects a soft-edge strip of light at a 110° beam angle. Each length of unoColor Cove is available with red, green, blue, or amber LEDs.

unoColor Cove is available in fixed lengths of six and twelve inches. Each segment is cased in a low-profile, vented, molded plastic housing. The housing snaps directly into a one-piece mounting bracket; there is no need to open the case to mount the segment. The mounting brackets are indexed to lock unoColor Cove into place, allowing for the uniform alignment of multiple fixtures as well as the easy rotation of fixtures.

Each segment is equipped with a three-pin header that attaches to a master cable, making installations with curves or complicated geometry easy. Each master cable is designed to plug into an unoColor Cove power supply, which supplies power to all connected lights.

unoColor Cove comes packaged in lots of ten units. Each six- and twelve-inch unoColor Cove fixture comes with a mounting bracket and screws for use with the power supply and master cable, sold separately. Twelve-inch unoColor Cove fixtures are available for immediate delivery. Six-inch unoColor Cove requires an eight week lead time with a minimum quantity requirement. Contact Color Kinetics for additional information.

### Items Needed

<b>Power Supply</b>	unoColor Cove Power Supply (ITEM#: 109-000011-01)
<b>Cable Harness</b>	unoColor Cove Wire Harness (ITEM# 108-000010-00)

### iCOLOR COVE SPECIFICATIONS

<b>COLOR OPTIONS</b>	Red, green, blue, or amber
<b>SOURCE</b>	High brightness colored LEDs
<b>BEAM ANGLE</b>	110° x 50°
<b>HOUSING</b>	Two-piece vented plastic
<b>CONNECTORS</b>	3-pin power connector for use with master cable and Color Kinetics unoColor Cove power supply.
<b>LISTINGS</b>	UL listed, CE certified



ITEM# 112-000001-00 (RED, 12-inch)  
112-000001-01 (GREEN, 12-inch)  
112-000001-02 (BLUE, 12-inch)  
112-000001-03 (AMBER, 12-inch)  
112-000002-00 (RED, 6-inch)  
112-000002-01 (GREEN, 6-inch)  
112-000002-02 (BLUE, 6-inch)  
112-000002-03 (AMBER, 6-inch)

PATENTS PENDING

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BRO097 Rev 01

Specifications subject to change without notice.

### ELECTRICAL SPECIFICATIONS

<b>POWER REQUIREMENT</b>	24V DC
<b>POWER CONSUMPTION</b>	Maximum 12-inch: 1.7 Watts, Red and amber; 2.5 Watts, green and blue Maximum 6-inch: 0.9 Watts, Red and amber; 1.3 Watts green and blue
<b>POWER SUPPLY</b>	unoColor Cove Power Supply

### MANUFACTURING STANDARDS

To ensure the highest level of product reliability, this Color Kinetics design endured accelerated life test conditions including an operating temperature span of 360°F and cyclic loading up to 60G.

### SOURCE LIFE

Color Kinetics illumination products utilize high brightness LEDs as the illumination source. LED manufacturers predict LED life of up to 100,000 hours MTBF (mean time between failure), the standard used by conventional lamp manufacturers to measure source life. However, like all basic light sources, LEDs also experience lumen depreciation over time. So while LEDs can emit light for an extremely long period of time, MTBF is not the only consideration in determining useful life. LED lumen depreciation is affected by numerous environmental conditions such as ambient temperature, humidity and ventilation. Lumen depreciation is also affected by thermal management, current levels, and a host of other electrical design considerations.

Color Kinetics systems are expertly engineered to optimize LED life when used under normal operating conditions [ambient temperature: -4° F to 104° F (-20° C to 40° C), humidity: 0-95% non-condensing humidity, adequate ventilation and air volume.] Long-term operation outside of these ranges or conditions, or at the upper limits of these ranges or conditions, may subject the product to further degradation of the LED source life, or in extreme cases, failure of internal components. Source life information is based on LED manufacturers' data, as well as other third party testing.

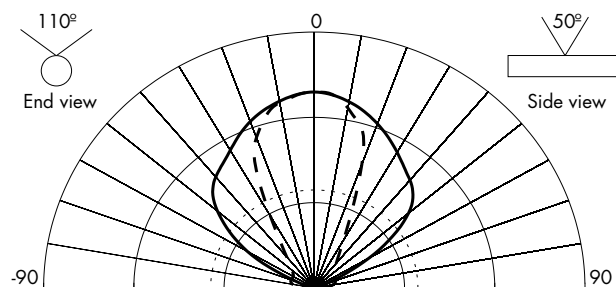
## unoCOLOR COVE — 12"

### PHOTOMETRIC PERFORMANCE

#### SOURCE SPECIFICATIONS

Optics: Clear polycarbonate  
 Source: 15 LEDs  
 Beam Angle: 110° x 50°  
 (at 50% of peak illuminance)  
 Distribution: Asymmetric direct illumination

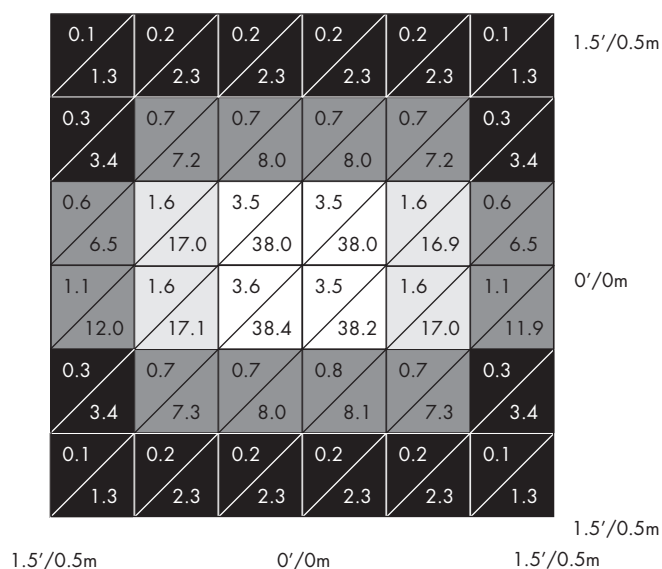
#### CANDLE POWER DISTRIBUTION



End View (solid line) and side view (dashed line) (Candelas)

Thin dashed line: Indicates 50% of peak

#### ILLUMINANCE DISTRIBUTION



Measured on: Green  
 Distance from surface: 1'/.3m (from center of grid)  
 Multipliers: 0.55 Red, 0.31 Blue, 2.2 Amber

#### LIGHT OUTPUT

COLOR	TOTAL OUTPUT (LUMENS)	POWER (WATTS)	EFFICACY (lm/w)
RED	10.2	1.7	6.0
GREEN	18.5	2.5	7.4
BLUE	5.7	2.5	2.3
AMBER	22.7	1.6	14.2

#### ILLUMINANCE

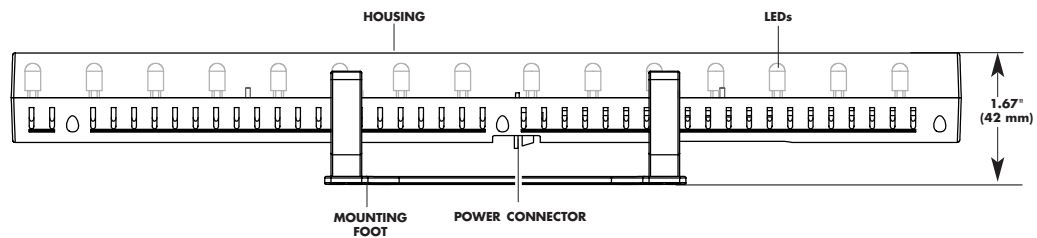
COLOR	3' 1m	6' 2m	9' 3m	12' 4m	15' 5m
RED	0.7 7.0	0.2 1.8	0.1 0.8	0.0 0.4	0.0 0.3
GREEN	1.2 12.9	0.3 3.2	0.1 1.4	0.1 0.8	0.0 0.5
BLUE	0.4 4.0	0.1 1.0	0.0 0.4	0.0 0.2	0.0 0.2
AMBER	3.1 33.4	0.9 9.1	0.4 4.3	0.2 2.2	0.2 2.2

Measured in Footcandles/Lux on axis.  
 lux = footcandles x 10.76

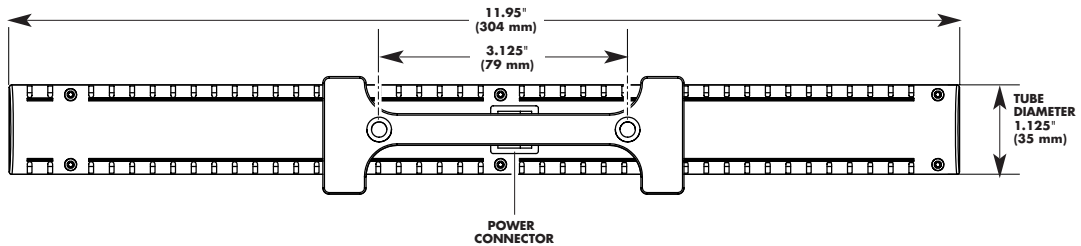
## unoCOLOR COVE

### PHYSICAL DIMENSIONS

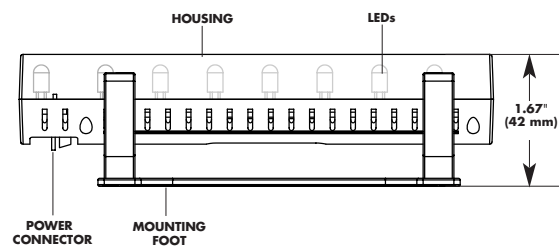
#### unoCOLOR COVE 12" (SIDE VIEW)



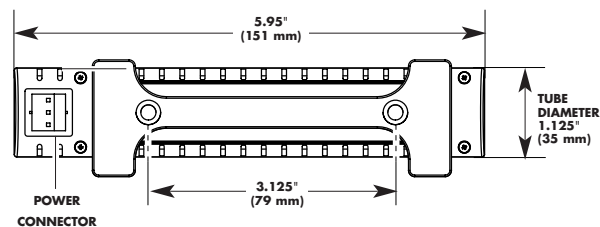
#### (BOTTOM VIEW)



#### unoCOLOR COVE 6" (SIDE VIEW)



#### (BOTTOM VIEW)



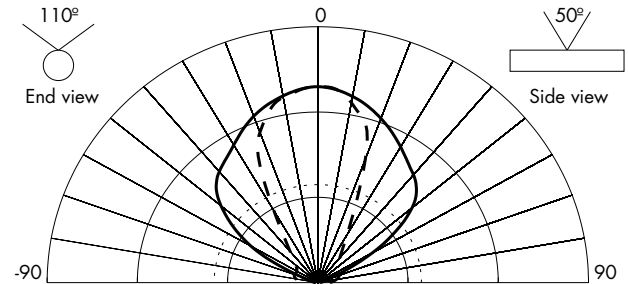
## unoCOLOR COVE — 6"

### PHOTOMETRIC PERFORMANCE

#### SOURCE SPECIFICATIONS

Optics: Clear polycarbonate  
 Source: 8 LEDs  
 Beam Angle: 110° x 50°  
 (at 50% of peak illuminance)  
 Distribution: Asymmetric direct illumination

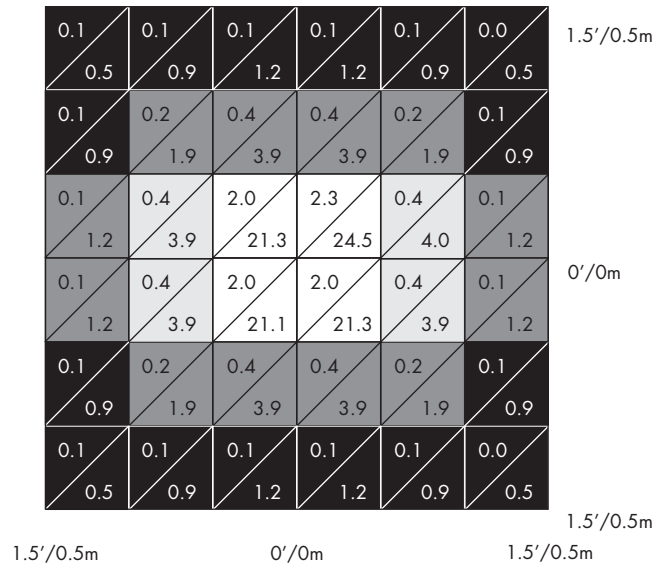
#### CANDLE POWER DISTRIBUTION



End View (solid line) and side view (dashed line) (Candelas)

Thin dashed line: Indicates 50% of peak

#### ILLUMINANCE DISTRIBUTION



Measured on: Green  
 Distance from surface: 1'/.3m (from center of grid)  
 Multipliers: 0.55 Red, 0.31 Blue, 2.2 Amber

#### LIGHT OUTPUT

COLOR	TOTAL OUTPUT (LUMENS)	POWER (WATTS)	EFFICACY (lm/w)
RED	5.1	0.9	5.6
GREEN	9.3	1.3	7.2
BLUE	2.9	1.3	2.2
AMBER	11.4	0.9	12.6

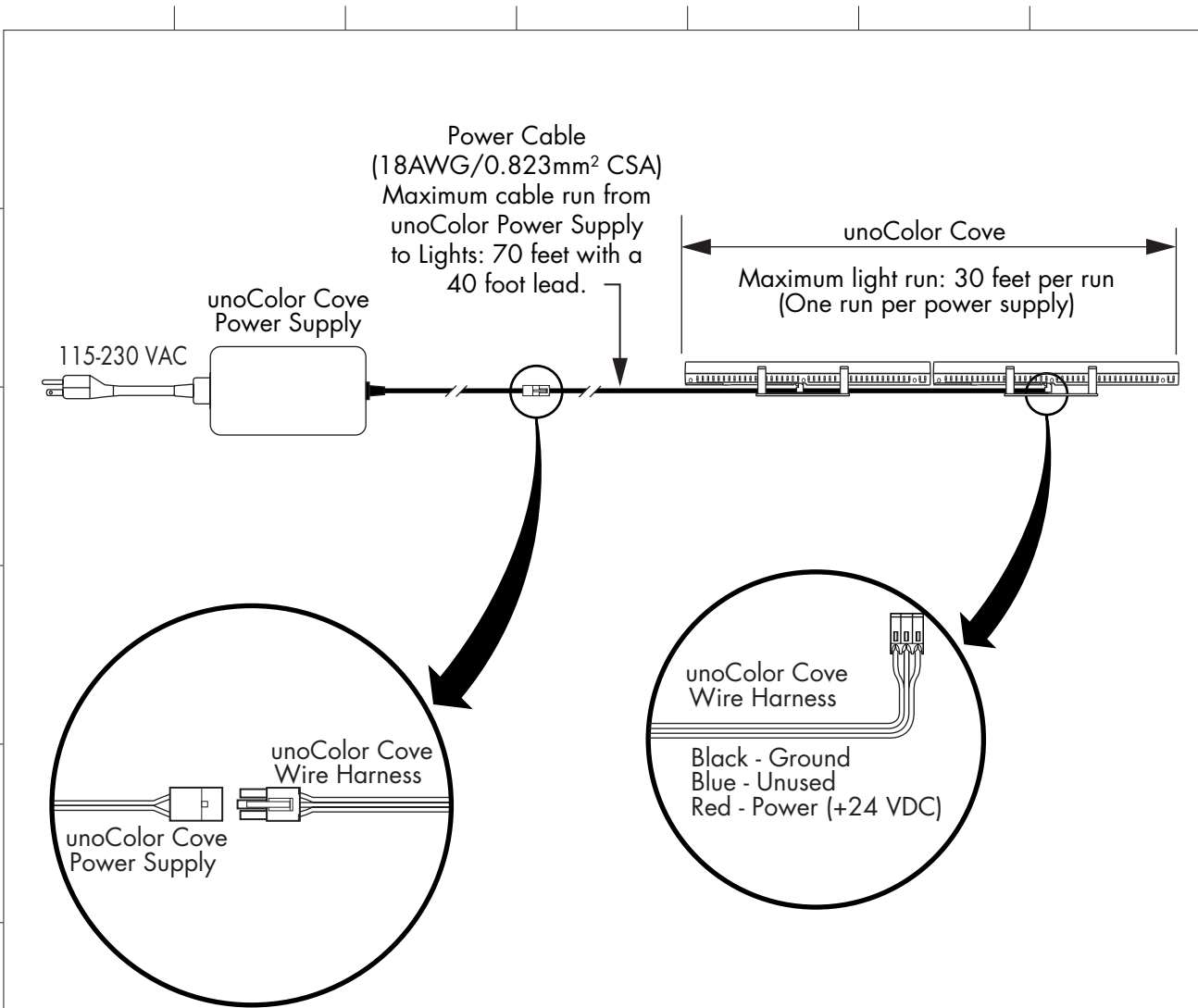
#### ILLUMINANCE

COLOR	3' 1m	6' 2m	9' 3m	12' 4m	15' 5m
RED	0.3 3.3	0.1 0.8	0.0 0.4	0.0 0.2	0.0 0.1
GREEN	0.6 6.0	0.1 1.5	0.1 0.7	0.0 0.4	0.0 0.2
BLUE	0.2 1.9	0.0 0.5	0.0 0.2	0.0 0.1	0.0 0.1
AMBER	1.6 17.2	0.5 5.4	0.2 2.2	0.1 1.1	0.1 1.1

Measured in Footcandles/Lux on axis.  
 lux = footcandles x 10.76

# unoCOLOR COVE

## FUNCTIONAL FLOW DIAGRAM



For complete installation instructions and safety precautions, refer to the unoColor Cove User Guide and wiring diagrams located at <http://support.colorkinetics.com>

### unoCOLOR COVE SERIES SPECIFICATIONS

ITEM#	112-000001-00	112-000001-01	112-000001-02	112-000001-03	112-000002-00	112-000002-01	112-000002-02	112-000002-03
COLOR	Red	Green	Blue	Amber	Red	Green	Blue	Amber
WEIGHT	3.9 oz (111 g)	3.9 oz (111 g)	3.9 oz (111 g)	3.9 oz (111 g)	2.0 oz (57 g)	2.0 oz (57 g)	2.0 oz (57 g)	2.0 oz (57 g)
POWER/DATA CONNECTOR	Three-pin header	Three-pin header	Three-pin header	Three-pin header	Three-pin header	Three-pin header	Three-pin header	Three-pin header
POWER REQUIREMENT	70mA @ 24VDC (1.7W)	104mA @ 24VDC (2.5W)	104mA @ 24VDC (2.5W)	70mA @ 24VDC (1.7W)	37.5mA @ 24VDC (0.9W)	70mA @ 24VDC (1.3W)	70mA @ 24VDC (1.3W)	37.5mA @ 24VDC (0.9W)

