Date: _____ Type: _____

Firm Name: _____

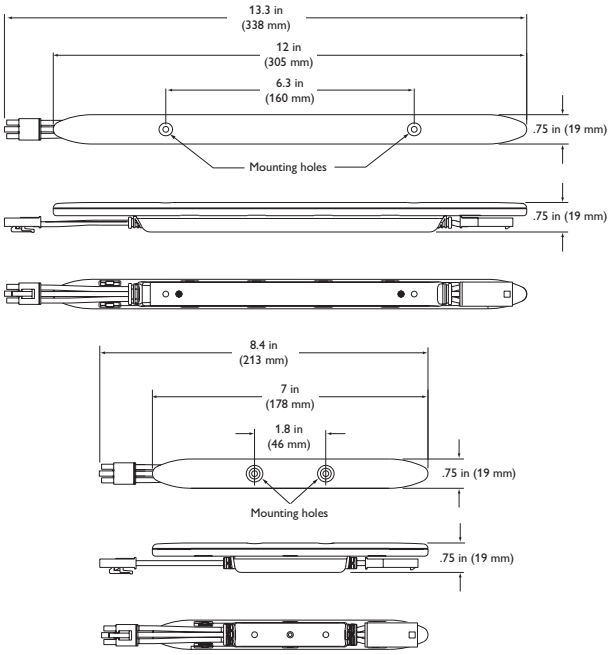
Project: _____

iColor Cove EC

Cost-effective linear interior LED cove and accent fixture with intelligent color light

iColor Cove EC is the most cost-effective option in the popular iColor Cove family. This low-profile fixture is designed for accent, perimeter, or cove lighting where lower light intensity and lower costs are desired. iColor Cove EC offers an economical way to bring color-changing light and lighting effects to alcoves, task areas, and other tight spaces.

- Two lengths — Available in 7 in (178 mm) and 12 in (305 mm) lengths. End-to-end mounting or staggered positioning lets you achieve curves and other geometries to fill alcoves and interior spaces of any shape or complexity.
- Soft-edge light projection — Each fixture projects a soft-edge strip of light at a 120° x 120° beam angle.
- Simple, rapid installation — The sleek, low-profile housing enables installation in tight areas, and easy through-hole mounting and in-line power and data connections reduce installation time.
- Versatile positioning — In addition to end-to-end locking connectors for rapid installation of solid runs, optional 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures, depending on your lighting requirements. Optional mounting tracks ensure straight runs in linear applications, and support vertical and overhead positioning.
- Cost-effective and energy-efficient — Auto-addressing through Chromasic technology simplifies installation, addressing, and programming. Chromasic integrates power, communication, and control to lower power consumption and overall system cost.
- Highly consistent color — Optibin, our proprietary binning optimization process, ensures optimal color consistency from fixture to fixture and run to run.
- Industry-leading controls — iColor Cove EC fixtures work seamlessly with the complete line of Philips controllers, including ColorDial Pro, iPlayer3 and Light System Manager, as well as third-party controllers.



For detailed product information, please refer to the iColor Cove EC Product Guide at www.philipscolorkinetics.com/ls/rgb/cove_ec/

PHILIPS

Specifications

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

Item	Specification	7 in (178 mm)	12 in (305 mm)
Output	Beam Angle	120° x 120°	
	Lumens*	7.4	11
	LED Channels	Red / Green / Blue	
	Mixing Distance	2 in (51 mm) to uniform light	
	Lumen Maintenance†	50,000 hours L_{50} @ 50° C (full output)	
Electrical	Input Voltage	24 VDC via PDS-60ca 24V, sPDS-60ca 24V, or sPDS-480ca 24V	
	Power Consumption	2 W maximum at full output, steady state	
Control	Interface	PDS-60ca 24V (DMX, Preprogrammed, or Ethernet), sPDS-60ca 24V (DMX / Ethernet), or sPDS-480ca 24V	
	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)*	.75 x 7 x .75 in (19 x 178 x 19 mm)	.75 x 12 x .75 in (19 x 305 x 19 mm)
	Weight	2 oz (57 g)	3 oz (85 g)
	Housing	Rigid plastic	
	Lens	Clear polycarbonate	
	Fixture Connections	Integral male / female connectors	
	Temperature Ranges	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup -40° – 176° F (-40° – 80° C) Storage	
	Humidity	0 – 95%, non-condensing	
	Maximum Fixtures Per Power / Data Supply	PDS-60ca 24V or sPDS-60ca 24V: 30 fixtures total sPDS-480ca 24V: 240 fixtures total	
Certification and Safety	Certification	UL / cUL, CE	
	Environment	Dry Location, IP20	

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

† L_{50} = 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® CK TECHNOLOGY | OPTIBIN® CK TECHNOLOGY | POWERCORE® CK TECHNOLOGY

Fixtures and Accessories

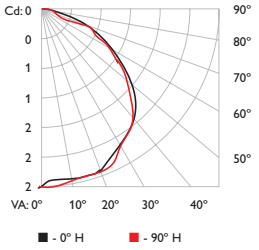
Item	Type	Item Number	Philips 12NC
iColor Cove EC	7 in (178 mm)	101-000022-01	910503700014
	12 in (305 mm)	101-000022-00	910503700013
Mounting Track	4 ft (1.2 m)	101-000038-00	910503700024
Leader Cable with terminator	30 ft (9.1 m)	108-000015-00	910503700072
Jumper Cable	1 ft (305 mm)	108-000020-00	910503700079
	5 ft (1.5 m)	108-000020-01	910503700080
sPDS-60ca 24V	DMX / Ethernet	109-000021-02	910503700106
PDS-60ca 24V	Preprogrammed	109-000016-00	910503700095
	DMX	109-000016-01	910503700333
	Ethernet	109-000016-02	910503700334
sPDS-480ca 24V	Ethernet	109-000026-00	910503700110

Use Item Number when ordering in North America.

Photometrics

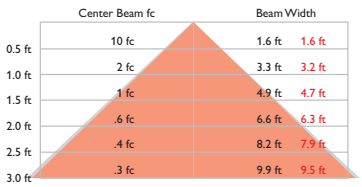
7 in (178 mm)

Polar Candela Distribution



	0	22.5	45	67.5	90
0	2	2	2	2	2
5	2	2	2	2	2
15	2	2	2	2	2
25	2	2	2	2	2
35	2	2	2	2	2
45	2	2	2	2	2
55	1	1	1	1	1
65	1	1	1	1	1
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



1.6 ft (488 mm)
1 fc maximum distance

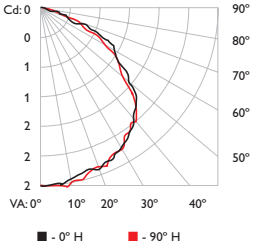
Vert. Spread: 117.4°
Horiz. Spread: 115.2°

LED	Lumens	Efficacy
RGB	7.4	3.7

For lux multiply fc by 10.7

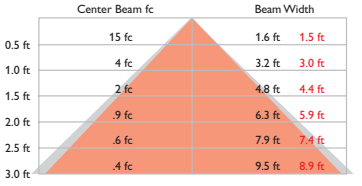
12 in (305 mm)

Polar Candela Distribution



	0	22.5	45	67.5	90
0	4	4	4	4	4
5	4	4	4	4	4
15	4	4	4	4	4
25	4	4	4	4	4
35	3	3	3	3	3
45	3	3	3	3	3
55	2	2	2	2	2
65	1	1	1	1	1
75	0	1	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



1.9 ft (579 mm)
1 fc maximum distance

Vert. Spread: 115.5°
Horiz. Spread: 111.9°

LED	Lumens	Efficacy
RGB	11	5.5

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