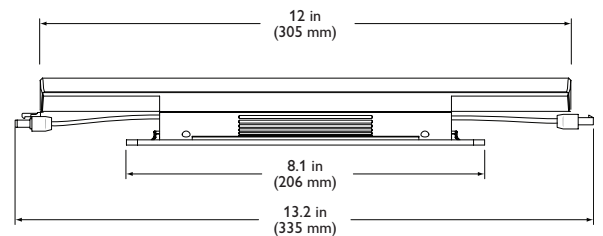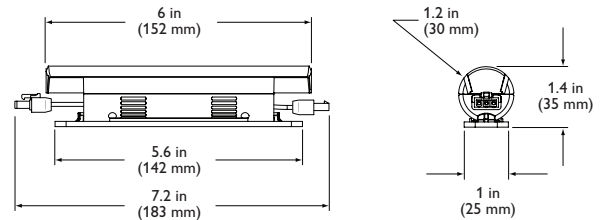# iColor Cove QLX

120° x 120° beam angle, 12 in (305 mm)

Versatile, cost-effective intelligent RGB cove light offering saturated color and dynamic effects

iColor Cove® QLX is a compact linear LED fixture that generates saturated color and dynamic effects in alcoves, accent areas, and other interior spaces. The fixture is available in two standard lengths and wide or medium beam widths. An integrated rotating mount provides precise positioning, while optional mounting tracks allow quick project setup in linear applications. Flexible mounting and positioning options let you install fixtures in virtually any desired configuration.

- Cost-effective — Auto-addressing through Chromasic technology simplifies installation, addressing, and programming. Chromasic integrates power, communication, and control to lower overall system cost.

- Versatile applications — iColor Cove QLX delivers color-changing illumination and lighting effects to alcoves, task and accent spaces, and other confined areas in a wide range of applications, from large-scale commercial installations to simpler residential installations.

- Superior color mixing — iColor Cove QLX offers excellent mixing at 2 in (51 mm), with no shadowing between fixtures in a long run.

- Industry-leading controls — iColor Cove QLX works seamlessly with the complete Philips line of controllers, including iPlayer 3 and Light System Manager, as well as third-party DMX controllers.

6 in (152 mm)
5.6 in (142 mm)
7.2 in (183 mm)

1.2 in (30 mm)
1.4 in (35 mm)
1 in (25 mm)

12 in (305 mm)
8.1 in (206 mm)
13.2 in (335 mm)

- Two standard lengths and beam angles — Available in 6 in (152 mm) and 12 in (305 mm) lengths, with wide (120° x 120°) and medium (100°x 40°) beam widths.

- 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. Optional mounting tracks ensure straight runs in linear applications, and support vertical and overhead positioning. Optional 1 ft (305 mm) and 5 ft (1.5 m) jumper cables offer extra space between fixtures or staggered positioning that lets you achieve curves and other geometries to fill alcoves and interior spaces of any shape or complexity.

For detailed product information, please refer to the iColor Cove QLX Product Guide at www.colorkinetics.com/ls/rgb/cove_qlx/

PHILIPS

Specifications

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

Item	Specification	Details
Output	Beam Angle	120° x 120° (wide)
	Lumens†	46
	Color Range	16.7 million additive RGB colors; continuously variable intensity
	Mixing Distance	2 in (51 mm) to uniform light
	Lumen Maintenance‡	50,000 hours L70 @ 25° C (typical application)
Electrical	Input Voltage	24 VDC from DMX in / Chromasic out power / data supply
	Power Consumption	3 W maximum at full output, steady state
Control	Interface	sPDS-60ca 24V (DMX or Ethernet) sPDS-480ca 24V (Ethernet) PDS-60ca 24V (Pre-programmed, DMX, or Ethernet)
	Control System	Philips full range of controllers, including Light System Manager and iPlayer 3, or third-party DMX controllers
Physical	Dimensions (Height x Width x Depth)	1.2 x 12 x 1.4 in (30 x 305 x 36 mm)
	Weight	5 oz (142 g)
	Housing	Charcoal gray injection-molded plastic
	Lens	Clear polycarbonate
	Fixture Connections	Integral male / female connectors
	Operating Temperature	-40° – 122° F (-40° – 50° C) Operating -4° – 122° F (-20° – 50° C) Startup
	Humidity	0 – 95%, non-condensing
	Maximum Fixtures Per Power / Data Supply — PDS-60ca 24V	20 total
	sPDS-60ca 24V	20 total
	sPDS-480ca 24V	160 total, 20 per power port
Certification and Safety	Certifications	UL / cUL, CE, PSE, C-Tick
	LED Class	Class 2 LED product
	Environment	Dry Location, IP20

† Lumen measurement complies with IES LM-79-08

‡ L70 = 70% maintenance of lumen output (when light output drops below 70% of initial output). Ambient temperature specified.

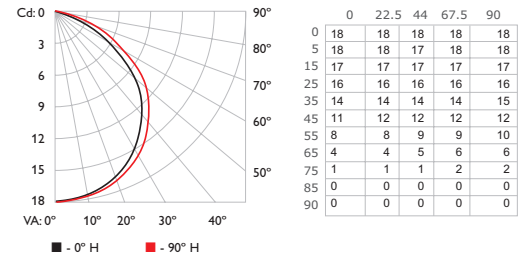iColor Cove QLX fixtures are part of a complete low-voltage system which includes fixtures and:

• One or more power / data supplies.

• One 30 ft (9144 mm) leader cable to connect each power / data supply output to a series of fixtures.

• Any Philips controller, including Light System Manager and iPlayer 3, or a third-party DMX controller.

For detailed product information, please refer to the iColor Cove QLX Product Guide at www.colorkinetics.com/ls/rgb/cove_qlx/
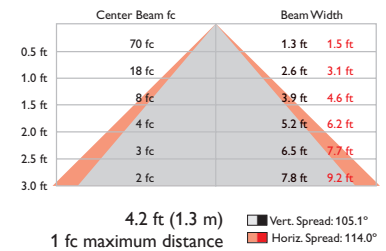
Photometrics

120° x 120° beam angle, 12 in (305 mm)

Polar Candela Distribution

	0	22.5	44	67.5	90
0	18	18	18	18	18
5	18	18	17	18	18
15	17	17	17	17	17
25	16	16	16	16	16
35	14	14	14	14	15
45	11	12	12	12	12
55	8	8	9	9	10
65	4	4	5	6	6
75	1	1	1	2	2
85	0	0	0	0	0
90	0	0	0	0	0

■ - 0° H   ■ - 90° H

Illuminance at Distance

	Center Beam fc	Beam Width	
0.5 ft	70 fc	1.3 ft	1.5 ft
1.0 ft	18 fc	2.6 ft	3.1 ft
1.5 ft	8 fc	3.9 ft	4.6 ft
2.0 ft	4 fc	5.2 ft	6.2 ft
2.5 ft	3 fc	6.5 ft	7.7 ft
3.0 ft	2 fc	7.8 ft	9.2 ft

4.2 ft (1.3 m)
1 fc maximum distance

■ Vert. Spread: 105.1°
■ Horiz. Spread: 114.0°

LED	Lumens	Watts	Efficacy
RGB	46	3	15.3

For lux multiply fc by 10.7

Fixtures and Accessories

Item	Type	Item Number	Philips 12NC
iColor Cove QLX 6 in	120° x 120° beam angle	101-000066-02	910503700218
	100° x 40° beam angle	101-000066-03	910503700220
iColor Cove QLX 12 in	120° x 120° beam angle	101-000066-00	910503700217
	100° x 40° beam angle	101-000066-01	910503700219
Mounting Track	4 ft (1.2 m)	523-000006-01	910503700452
Leader Cable	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
Light System Manager	Ethernet	103-000015-02	910503700221
iPlayer 3 North America Power Cord	DMX	103-000019-00	910403327101
iPlayer 3 Europe Power Cord	DMX	103-000019-01	910503700392
ColorDial Pro	DMX	103-000025-00	910503700790
Synchronizer	DMX	103-000001-00	—
Multi Synchronizer	DMX	103-000002-00	—

Use Item Number when ordering in North America.

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