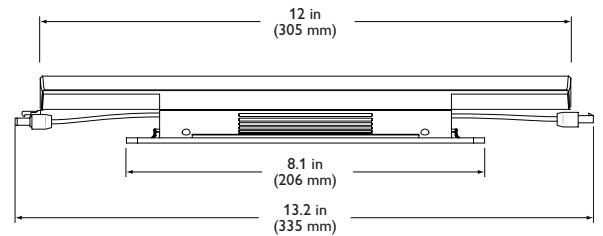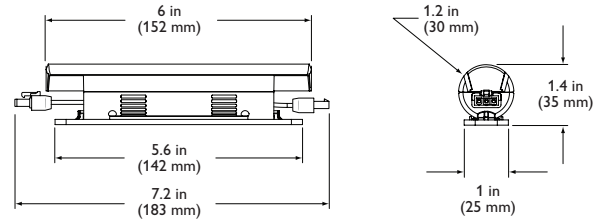# iColor Cove QLX

100° x 40° beam angle

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

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 angles. 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 Color Kinetics line of controllers, including iPlayer 3, Light System Manager, and ColorDial Pro, 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 angles.

- 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.philipscolorkinetics.com/ls/rgb/cove_qlx/

PHILIPS

Specifications

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

Item	Specification		6 in (152 mm)	12 in (305 mm)
	Lumens*		21	39
	LED Channels		Red / Green / Blue	
	Mixing Distance		2 in (51 mm) to uniform light	
	Lumen Maintenance†		50,000 hours L50 @ 25° C	23,000 hours L50 @ 50° C
Electrical	Input Voltage		24 VDC via sPDS-60ca, PDS-60ca, and sPDS-480ca	
	Power Consumption		2 W maximum at full output, steady state	3 W maximum at full output, steady state
Control	Interface		sPDS-60ca 24V (DMX or Ethernet) PDS-60ca 24V (Pre-programmed, DMX, or Ethernet) sPDS-480ca 24V (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)		1.2 x 6 x 1.4 in (30 x 152 x 36 mm)	1.2 x 12 x 1.4 in (30 x 305 x 36 mm)
	Weight		3 oz (85 g)	5 oz (142 g)
	Housing		Charcoal gray injection-molded plastic	
	Lens		Clear 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 (-20° – 80° C) Storage	
	Humidity		0 – 95%, non-condensing	
	Maximum Fixtures Per Power / Data Supply†	PDS-60ca 24V	30 total	20 total
		sPDS-60ca 24V	30 total	20 total
		sPDS-480ca 24V	240 total, 30 per port	160 total, 20 per port
Certification and Safety	Certifications		UL / cUL, FCC Class B, CE, PSE, C-Tick, SAA	
	Environment		Dry 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.

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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

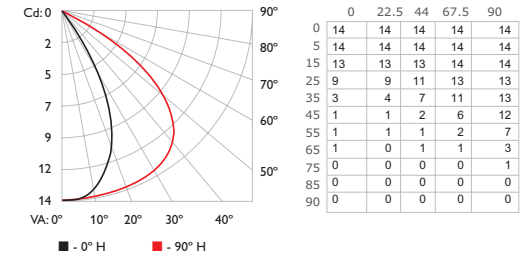Use Item Number when ordering in North America.

Photometrics

100° x 40° beam angle, 6 in (152 mm)

Polar Candela Distribution

	0	22.5	44	67.5	90
0	14	14	14	14	14
5	14	14	14	14	14
15	13	13	13	14	14
25	9	9	11	13	13
35	3	4	7	11	13
45	1	1	2	6	12
55	1	1	1	2	7
65	0	0	1	1	3
75	0	0	0	0	1
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	56 fc	0.5 ft	1.4 ft
1.0 ft	14 fc	1.1 ft	2.9 ft
1.5 ft	6 fc	1.6 ft	4.3 ft
2.0 ft	3 fc	2.2 ft	5.7 ft
2.5 ft	2 fc	2.7 ft	7.1 ft
3.0 ft	2 fc	3.3 ft	8.6 ft
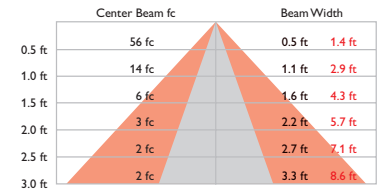
3.7 ft (1.1 m)   ■ Vert. Spread: 57.2°
1 fc maximum distance   ■ Horiz. Spread: 110.0°

LED	Lumens	Efficacy
RGB	21	10.5

For lux multiply fc by 10.7

100° x 40° beam angle, 12 in (305 mm)

Polar Candela Distribution

	0	22.5	44	67.5	90
0	25	25	25	25	25
5	24	24	24	24	25
15	23	23	24	24	24
25	18	19	21	23	24
35	7	9	14	21	22
45	2	2	4	12	19
55	1	1	2	5	12
65	1	1	1	2	5
75	0	0	0	1	1
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	99 fc	0.6 ft	1.4 ft
1.0 ft	25 fc	1.2 ft	2.8 ft
1.5 ft	11 fc	1.8 ft	4.2 ft
2.0 ft	6 fc	2.4 ft	5.6 ft
2.5 ft	4 fc	2.9 ft	6.9 ft
3.0 ft	3 fc	3.5 ft	8.3 ft
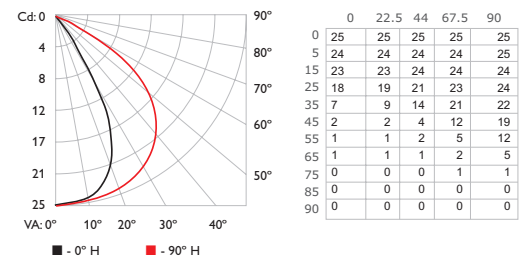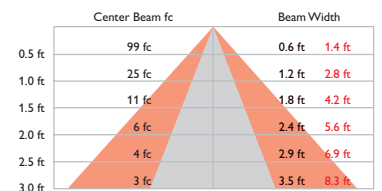
5.0 ft (1.5 m)   ■ Vert. Spread: 60.9°
1 fc maximum distance   ■ Horiz. Spread: 108.5°

LED	Lumens	Efficacy
RGB	39	13