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iW Cove Powercore

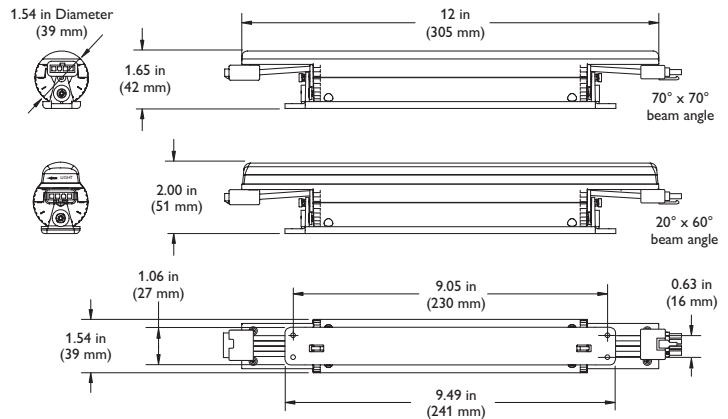
Compact, intelligent white cove light for brilliantly illuminating interior spaces

iW® Cove Powercore is a high-performance, white-light LED fixture that brilliantly illuminates alcoves and other interior spaces wherever adjustable color temperature is required. This compact, versatile fixture offers color temperatures ranging from a warm 3000 K to a cool 6500 K, along with the improved operational efficiency, simplified installation, and cost-effectiveness of Powercore® technology. With its rotating housing, flexible end-to-end locking power connectors, and two beam angles, iW Cove Powercore is the perfect choice for a wide range of retail, exhibit, hospitality, and architectural applications.

Fixtures rotate in 10° increments through a full 180° for precise aiming and color mixing.

- Integrates Powercore technology— Powercore technology rapidly, efficiently, and accurately controls power output to iW Cove Powercore fixtures directly from line voltage. The Philips iW Data Enabler merges line voltage with control data and delivers them to the fixture over a single standard wire, dramatically simplifying installation and lowering total system cost.
- Wide range of color temperature and brightness — Channels of warm white and cool white LEDs produce color temperatures ranging from 3000 K – 6500 K. You can adjust fixture brightness while varying or maintaining constant color temperature.
- High-intensity, consistent white light — iW Cove Powercore offers the greatest possible light intensity at all color temperatures. Advanced LEDs and optics deliver unequalled color uniformity and light distribution.
- Two beam angles — iW Cove Powercore is available in medium (50° x 50°) and true forward-throw asymmetric (20° x 30° x 160°) beam angles to reduce light loss and optimize efficiency in a variety of cove configurations.

- Universal power input range — iW Cove Powercore accepts power input of 100 to 240 VAC. Depending on input voltage, a single iW Data Enabler can support up to 78 fixtures at 240 VAC, installed end-to-end in a single run.
- Easy installation — Contractor-friendly installation using standard mounting and wiring dramatically simplifies installation and helps lower total system cost. Easy-to-install 4 ft (1.2 m) mounting tracks allow quick project setup in linear applications.



- Flexible mounting and positioning — With end-to-end locking power connectors that can make 180° turns, these compact 12 in (305 mm) cove fixtures are easy to position in even the most challenging mounting circumstances. Optional mounting tracks support vertical and overhead positioning. The 40 ft (12.2 m) leader cable is field-cuttable. 1 ft (305 mm) and 5 ft (1.5 m) jumper cables can add extra space between fixtures.

For detailed product information, please refer to the iW Cove Powercore Product Guide at www.colorkinetics.com/l/intelliwhite/iwcovep/



Specifications

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

Item	Specification	Medium Beam	Asymmetric Beam	
Output	Beam Angle	50° x 50°	20° x 30° x 160°	
	Lumens†	178	162	
	Color Temperature	3000 K (+375 / -300) – 6500 K (+400 / -500)		
	Efficacy (lm/W)	11.9	10.8	
	Mixing Distance	10 – 12 in (254 – 305 mm) to uniform light		
	CRI	81 all, 73 warm, 86 cool	80 all, 76 warm, 86 cool	
	Lumen Maintenance‡	40,000+ hours L70 @ 50° C (Full output)		
Electrical	Input Voltage	100 – 240 VAC, auto-switching, 50 / 60 Hz		
	Power Consumption	15 W maximum at full output, steady state 18 W peak at 120 VAC		
Control	Interface	iW Data Enabler		
	Control System	iW Scene Controller		
Physical	Dimensions (Height x Width x Depth)	1.5 x 12 x 1.6 in (39 x 305 x 42 mm)	1.5 x 12 x 2 in (39 x 305 x 51 mm)	
	Weight	0.8 lbs (0.36 kg)		
	Housing	Die-cast aluminium, gray powder-coated finish.		
	Lens	Soft-focus frosted 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		
	Fixture Run Lengths Per iW Data Enabler*	42 @ 100 VAC 48 @ 110 VAC 78 @ 220 VAC 82 @ 240 VAC	Configuration: 20 A circuit, standard 40 ft (12 m) Leader Cables, installed end-to-end	
	Certification and Safety	Certification	UL/cUL, CE, PSE	
		LED Class	Class 2 LED product	
Environment		Dry / Damp Location, IP50		

† Lumen measurement complies with IES LM-79-08

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

* These figures, provided as a guideline, are accurate for this configuration only. Changing the configuration can affect the fixture run lengths.



Fixtures, Data Enablers, and Controllers

Item	Type	Item Number	Philips 12NC
iW Cove Powercore	50° x 50° (medium) beam angle	523-000002-00	910503700201
	20° x 30° x 160° (asymmetric) beam angle	523-000002-01	910503700202
Mounting Track	25 @ 4 ft (1219 mm)	123-000006-00	910503700149
40 ft (12 m) Leader Cable with terminator	North America (UL)	108-000021-00	910503700081
	Europe (CE)	108-000021-01	910403326501
Jumper Cable	1 ft (305 mm)	108-000022-00	910403326601
	5 ft (1.5 m)	108-000022-01	910403326701
iW Data Enabler		506-000001-00	910503700190
iW Scene Controller		503-000001-00	910503700189
iW Translator		104-000013-00	—

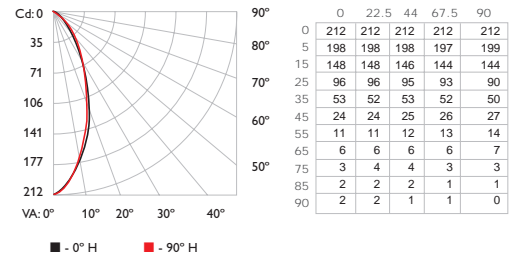


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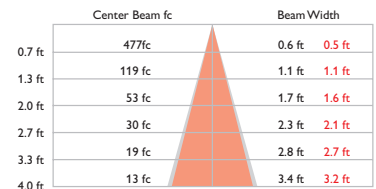
Photometrics

50° x 50° (medium) beam angle

Polar Candela Distribution



Illuminance at Distance



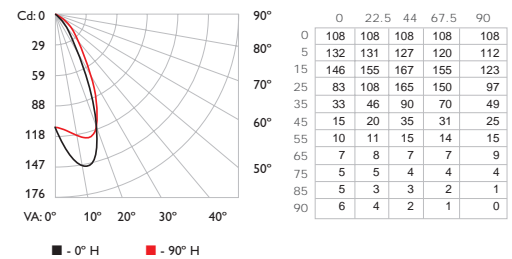
14.6 ft (4.5 m) 1 fc maximum distance
Vert. Spread: 45.8°
Horiz. Spread: 43.9°

Power Consumption	15 W
Lumens	178
Efficacy	11.9 lm/W

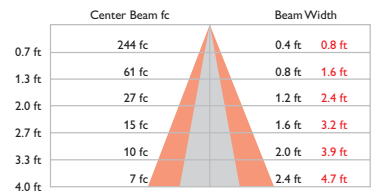
For lux multiply fc by 10.7

20° x 30° x 160° (asymmetric) beam angle

Polar Candela Distribution



Illuminance at Distance



10.4 ft (3.2 m) 1 fc maximum distance
Vert. Spread: 33.3°
Horiz. Spread: 61.2°

Power Consumption	15 W
Lumens	162
Efficacy	10.8 lm/W

iW Cove Powercore fixtures are part of a complete system which includes fixtures and:

- One or more iW Data Enablers.
- One leader cable to connect each iW Data Enabler output to a series of fixtures.
- (Optional) Jumper cables to add space between fixtures.
- (Optional) Mounting track to ensure straight runs of fixtures.
- One or more iW Scene Controllers (up to four per single run of iW Data Enablers).

For detailed product information, please refer to the iW Cove Powercore Product Guide at www.colorkinetics.com/ls/intelliwhite/iwcoverp/

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