Date: _____ Type: _____

Firm Name: _____

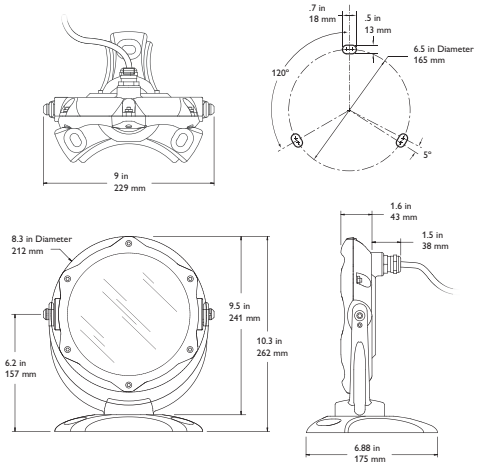
Project: _____

C-Splash 2

Submersible LED spotlight with intelligent color light

C-Splash 2 is an ultra-thin, submersible fixture designed to provide vibrant color and color-changing light in water to a depth of 15 ft (4.6 m). With its watertight cast brass housing and silicon bronze adjusting hardware, C-Splash 2 is perfect for water-based applications such as fountains and theme park installations, as well as for applications situated in harsh environments.

- Rugged and watertight — Cast brass housing and yoke with silicon bronze adjusting hardware is designed for submersion in water to a depth of 15 ft (4.6 m). This IP68-rated fixture is also able to withstand water treated with bromine or chlorine.
- Two beam angles — The frosted tempered glass lens offers a soft-edge beam of light at 22°, while the clear glass lens offers extended light projection at 10°.
- Unified power and data cable — Each C-Splash 2 fixture comes with a 60 ft (18.3 m) unified power and data cable to minimize wiring. C-Splash 2 is intended for use with PDS-150e and PDS-60 24V power / data supplies.
- Industry-leading controls — C-Splash 2 works seamlessly with the complete line of Philips controllers, including iPlayer 3, Light System Manager, and ColorDial Pro, as well as third-party controllers.
- Versatile light positioning — Locking base and pivot allows vertical and horizontal rotation through a full 360°.
- Temperature monitoring — C-Splash 2 has a temperature monitoring feature that automatically interrupts operation to protect the fixtures from damage due to extreme operating temperatures.



- High output, underwater — This submersible fixture offers the full range 16.7 million RGB colors and an output of over 500 lumens. Long-life LEDs significantly reduce or eliminate required maintenance, a major advantage for underwater installations.

For detailed product information, please refer to the C-Splash 2 Product Guide at www.philipscolorkinetics.com/ls/rgb/csplash2/

PHILIPS

Specifications

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

Item	Specification	Clear Lens	Frosted Lens
Output	Beam Angle	10°	22°
	Lumens*	583	515
	Lumen Maintenance†	50,000+ hours L_{50} @ 50° C (full output)	
	LED Channels	Red / Green / Blue	
Electrical	Input Voltage	24 VDC via PDS-150e, or PDS-60	
	Power Consumption	25 W maximum at full output, steady state	
Control	Interface	PDS-150e 24V (DMX or Ethernet) PDS-60 24V (DMX, Pre-programmed, or Ethernet)	
	Control System	Philips Color Kinetics full range of controllers, including Light System Manager, iPlayer 3, and ColorDial Pro, or third-party controllers	
Physical	Dimensions *(Height x Width x Depth)*	10.3 x 9 x 1.6 in (262 x 229 x 41 mm)	
	Weight	22 lb (10 kg)	
	Housing	Cast brass	
	Lens	Clear tempered glass	Tempered ground glass
	Fixture Connections	60 ft (18.3 m) unified power / data cable	
	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 – 100%	
	Cable Length	60 ft (18.3 m) standard 150 ft (45.7 m) maximum 400 ft (121.9 m) total per power / data supply	
	Maximum Fixtures Per Power / Data Supply	PDS-150e 24V: 6 (1 per port) PDS-60 24V: 2 (1 per port)	
Certification and Safety	Certifications	UL / cUL, FCC Class A, CE, C-Tick, CQC, SAA	
	Environment	Dry / Damp / Wet, IP68	

* Lumen measurement complies with IES LM-79-08.

† L_{70} = 70% lumen maintenance (when light output drops below 70% of initial output). 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.

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Fixtures and Accessories

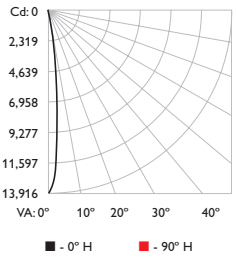
Item	Type	Item Number	Philips 12NC
C-Splash 2	10° clear lens	116-000024-01	910503700617
	22° frosted lens	116-000024-00	910503700616
PDS-150e 24V	DMX / Ethernet	109-000008-01	910503700092
PDS-60 24V	Pre-programmed	109-000017-00	910503700096
	DMX / Ethernet	109-000017-03	910503700097

Use Item Number when ordering in North America.

Photometrics

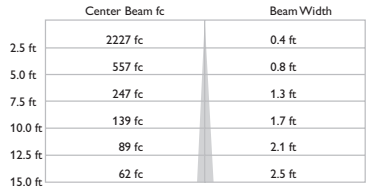
10° clear lens

Polar Candela Distribution



	0	22.5	44	67.5	90
0	13916	13916	13916	13916	13916
5	6549	6549	6549	6549	6549
15	217	217	217	217	217
25	72	72	72	72	72
35	49	49	49	49	49
45	23	23	23	23	23
55	8	8	8	8	8
65	2	2	2	2	2
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



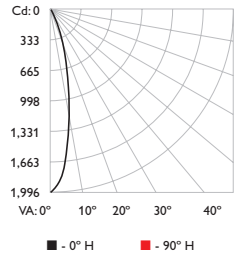
118 ft (36 m) ■ Beam Spread: 9.6°
1 fc maximum distance

LED	Lumens	Efficacy
RGB	583	23.3

For lux multiply fc by 10.7

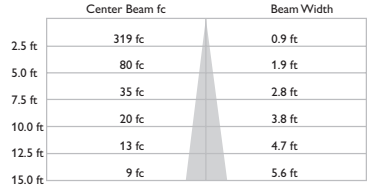
22° frosted lens

Polar Candela Distribution



	0	22.5	44	67.5	90
0	1996	1996	1996	1996	1996
5	1689	1689	1689	1689	1689
15	583	583	583	583	583
25	182	182	182	182	182
35	79	79	79	79	79
45	43	43	43	43	43
55	24	24	24	24	24
65	13	13	13	13	13
75	5	5	5	5	5
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



44.6 ft (13.6 m) ■ Beam Spread: 21.3°
1 fc maximum distance

LED	Lumens	Efficacy
RGB	515	20.6

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