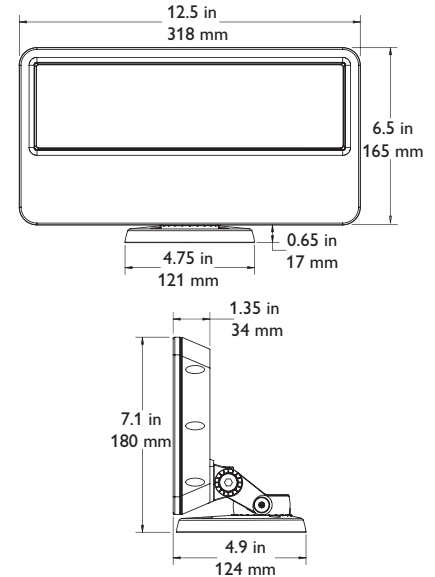# iW Blast Powercore 23° Frosted Lens

Intelligent, high-performance white floodlight
with variable color temperature

iW™ Blast Powercore is an intelligent, high-intensity white-light LED fixture that goes where white lights have never gone before. With superior fixture-to-fixture color consistency, iW Blast Powercore is ideal for situations in which bulb maintenance may be difficult or impossible. Rated for both indoor and outdoor use, iW Blast Powercore offers color temperatures ranging from a warm 2,700 K to a cool 6,500 K, iW Blast Powercore offers the improved efficiency, simplified installation, and cost-effectiveness of Powercore® technology in a rugged die-cast aluminum housing, available in black or white.

- Integrates patented Powercore technology— Powercore technology rapidly, efficiently, and accurately controls power output to iW Blast Powercore fixtures directly from line voltage, eliminating the need for an external power supply. Contractor-friendly installation using standard mounting and wiring dramatically simplifies installation and helps lower total system cost.

- Supports new applications for white light— Long-life LEDs (90,000 hours at 50% lumen maintenance) significantly reduce or eliminate maintenance problems. For example, iW Blast Powercore can effectively illuminate building features from positions accessible only by crane.

- Wide range of color temperature and brightness — Channels of warm white and cool white LEDs produce color temperatures ranging from 2,700 K to 6,500 K. Fixture brightness is adjustable separately from color temperature.

- High-intensity, energy-efficient white light — With an output of over 1,600 lumens, iW Blast Powercore offers high-intensity illumination at a significantly lower power draw than comparable ceramic metal halide light sources.

- Versatile lighting options — A 23° frosted glass lens for a soft-edge beam and a 10° clear lens for extended light projection support a wide range of white lighting applications.

12.5 in
318 mm

6.5 in
165 mm

4.75 in
121 mm

0.65 in
17 mm

1.35 in
34 mm

7.1 in
180 mm

4.9 in
124 mm

- Flexible light positioning — Locking base swivel, offering friction-free rotation of up to 350°, and 110° fixture tilting let you quickly aim the fixture without special tools.

- Easy installation — Fixtures can be mounted to a junction box on a wall, ceiling, or floor for maximum flexibility. The friction-free mounting base allows for after-installation rotation without precise junction box positioning.

- Universal power input range — iW Blast Powercore accepts a universal power input range of 100 to 240 VAC, allowing the installation of many units in a continuous run.

- Indoor and outdoor rated — Fully sealed for maximum fixture life and UL rated for both indoor and outdoor applications, iW Blast Powercore fixtures meet or exceed specifications for use in wet locations.

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

PHILIPS

Specifications

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

Item	Specification	Details
Output	Beam Angle	23° frosted lens
	Lumens†	1617
	Color Temperature	2700 K (+/− 145) – 6500 K (+/− 275)
	Efficacy (Lm/W)	32.3
	Mixing Distance	6 in (152 mm) to uniform light
	CRI	73
	Lumen Maintenance‡	90,000 hours L$_{50}$ @ 50° C
Electrical	Input Voltage	100 – 240 VAC
	Power Consumption	50 W maximum at full output, steady state
	Power Factor	>=0.7 residential, >=0.9 commercial
Control	Interface	iW Data Enabler (DMX or Ethernet)
	Control System	iW Scene Controller
Physical	Dimensions (Height x Width x Depth)	7.1 x 12.5 x 4.9 in (172 x 317 x 125 mm)
	Weight	6.4 lbs (2.9 kg)
	Housing	Die-cast aluminium White or black powder-coated finish
	Lens	Soft-focus, frosted polycarbonate
	Fixture Connections	6 ft (1.8 m) unified power / data cable
	Temperature	-40° F – 122° F (-40° C – 50° C) Operating -4° F – 122° F (-20° C – 50° C) Startup
	Humidity	0 – 95%, non-condensing
	Fixture Run Lengths Per iW Data Enabler*	33 – 110 VAC 36 – 120 VAC 52 – 220 VAC 52 – 240 VAC *Configuration: 20 A circuit, 20 ft (6.1 m) leader cable from iW Data Enabler to first junction box, 1 ft (305 mm) fixture cables, 2 ft (610 mm) jumper cables*
Certification and Safety	Certification	UL / cUL, FCC
	LED Class	Class 2 LED product
	Environment	Dry / Damp / Wet Environment, IP66

† Lumen measurement complies with IES LM-79-08
‡ L$_{50}$ = 50% maintenance of lumen output (when light output drops below 50% of initial output)
* 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	Housing Color	Item Number	Philips 12NC
iW Blast Powercore (UL) 23° Frosted Lens	White	523-000033-00	910503700379
	Black	523-000033-01	910503700380
iW Data Enabler		506-000001-00	910503700190
iW Scene Controller		503-000001-00	910503700189

Use Item Number when ordering in North America

iW Blast Powercore is part of a complete system which includes fixtures and:
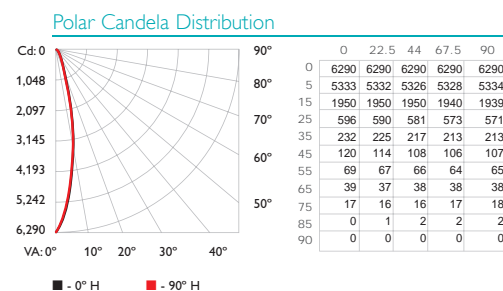• One or more iW Data Enablers
• iW Scene Controller (up to four per single run of iW Data Enablers)

Photometrics
23° frosted lens

Polar Candela Distribution

	0	22.5	44	67.5	90
0	6290	6290	6290	6290	6290
5	5333	5332	5326	5328	5334
15	1950	1950	1950	1940	1939
25	596	590	581	573	571
35	232	225	217	213	213
45	120	114	108	106	107
55	69	67	66	64	65
65	39	37	38	38	38
75	17	16	16	17	18
85	0	1	2	2	2
90	0	0	0	0	0

■ - 0° H   ■ - 90° H

Illuminance at Distance

	Center Beam fc	Beam Width	
4 ft	393 fc	1.5 ft	1.5 ft
8 ft	98 fc	3.1 ft	3.1 ft
12 ft	44 fc	4.6 ft	4.6 ft
16 ft	25 fc	6.2 ft	6.2 ft
20 ft	16 fc	7.7 ft	7.7 ft
24 ft	11 fc	9.2 ft	9.3 ft

80 ft (24 m)
1 fc maximum distance

■ Horiz. Spread: 21.8°
■ Vert. Spread: 21.8°

Power Consumption	50 W
Lumens	1617
Efficacy	32.3 lm/W

For lux multiply fc by 10.7

Accessories

Item	Housing Color / Type	Item Number	Philips 12NC
Accessory Holders	White	120-000070-00	—
	Black	120-000070-01	—
Half Top Hats	White	120-000009-03	—
	Black	120-000009-04	—
Top Hats	White	120-000005-03	—
	Black	120-000005-04	—
Egg Crate Louvers	White	120-000015-03	—
	Black	120-000015-04	—
Barndoors	White	120-000019-03	—
	Black	120-000019-04	—
Horizontal Spread Lens	36 / 50°	120-000025-00	—
Vertical Spread Lens	40°	120-000025-01	—