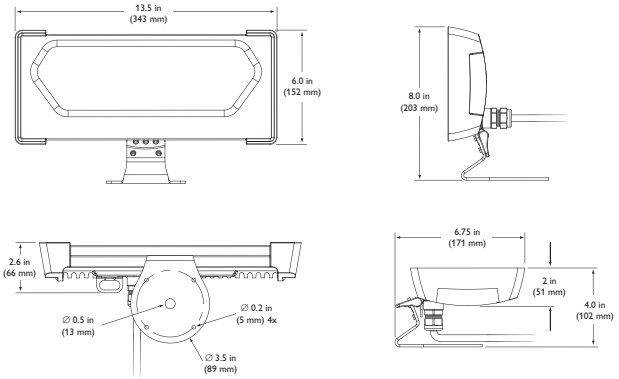
Date: _____ Type: _____

Firm Name: _____

Project: _____

iW Blast TR

Industry-standard theatrical and rental LED wash fixture with intelligent white light



iW Blast TR is a rugged, intelligent white LED fixture designed specifically to withstand taxing stage, set, and touring environments. This rental-friendly fixture offers ease of installation and control, along with the ability to produce high-quality white light with a temperature range of 2700 K to 6500 K. It features a standard 4-pin XLR connector, an innovative elastomeric sleeve that protects the fixture during rough handling, and a pivoting bezel for easy exchange of lenses. An industrial-grade hinge affords quick and reliable fixture aiming and locking. The mounting base easily accommodates truss clamps and other mounting and positioning options. Designed with live entertainment in mind, iW Blast TR is the ideal intelligent white LED fixture for demanding temporary and touring environments.

- Wide range of color temperature and brightness — Channels of warm white and cool white LEDs produce color temperatures ranging from 2700 K to 6500 K. You can adjust fixture brightness while varying or maintaining constant color temperature.
- Pivoting bezel and exchangeable lenses — The pivoting bezel and included 23° soft-focus and 10° clear tempered glass spread lenses let you switch quickly between soft-edge wash lighting and extended beam projection.
- Quick fixture aiming and locking — An industrial-grade constant torque hinge offers stable, 110° fixture tilting for quick and dependable aiming. Standard set screws let you lock the fixture without special tools.
- Versatile mounting options — The pre-assembled mounting base offers a range of options for mounting on the floor or various stage truss clamps. An integral safety bracket lets you easily attach a safety tether.
- On-board temperature monitoring — A compensation circuit prevents damage to the fixture if operating temperatures rise to unsafe levels. An auto-cycling feature automatically restores normal operation after 30 minutes.
- Innovative protective sleeve — Because stage and set environments can take their toll on equipment, iW Blast TR features an innovative elastomeric sleeve to protect the fixture and lens from the rigors of multiple setups and teardowns.
- Industry-standard power and control — iW Blast TR works seamlessly with the full range of Philips controllers, including Light System Manager and iPlayer 3, or third-party controllers. City Theatrical Inc. offers a line of power / data supplies specifically designed for use with iW Blast TR fixtures.

For detailed product information, please refer to the iW Blast TR Product Guide at www.philipscolorkinetics.com/ls/intelliwhite/iwblast12tr/

PHILIPS

Specifications

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

Item	Specification	10° Clear Lens	23° Frosted Lens
	Lumens*	1679	1469
	Color Temperature†	2700 K – 6500 K	
	Efficacy (lm / W)	33.6	29.4
	Mixing Distance	6 in (152 mm) to uniform light	
	CRI	83 all, 83 warm, 74 cool	
	Lumen Maintenance‡	70,000 hours L70 @ 25° C (typical application)	
Electrical	Input Voltage	24 VDC via PDS-750 TRX, PDS-375 TRX, PDS-150e, or PDS-60	
	Power Consumption	50 W maximum at full output, steady state	
Control	Interface	DMX via power / data supply Fixture firmware addressable 8- or 16-bit control	
	Control System	Philips full range of controllers, including Light System Manager and iPlayer 3, or third-party controllers	
Physical	Dimensions *(Height x Width x Depth)*	8 x 13.5 x 2.6 in (203 x 343 x 66 mm)	
	Weight	6.4 lb (2.9 kg)	
	Housing	Die-cast aluminium, black powder-coated finish	
	Lens	Clear glass	Frosted glass
	Fixture Connections	6 ft (1.8 m) power / data cable with 4-pin XLR connector	
	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 – 95%, non-condensing	
	Maximum Cable Length	Up to 54 ft (16.5 m) extension for a maximum of 60 ft (18.3 m)	
Certification and Safety	Certification	UL / cUL, FCC Class B, CE, CCC, C-Tick	
	Environment	Dry Location, IP20	

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

† Color temperatures conform to nominal CCTs as defined in ANSI Chromaticity Standard C78.377A.

‡ L70 = 70% lumen maintenance (when light output drops below 70% 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.

Fixtures and Accessories

* Intended for use with Blast fixtures with 10° clear lens

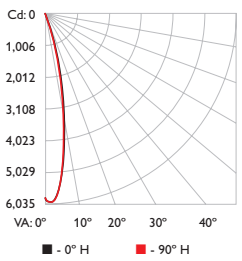
Item	Item Number	Philips 12NC
iW Blast TR	501-000001-00	910503700183
Replacement Protective Sleeve	120-000062-00	910503700370
Replacement Mounting Base	120-000060-00	910503700369
Replacement Lenses (23° frosted glass and 10° clear glass)	120-000066-00	910503700367
PDS-375 TRX	109-000030-01	910503702284
PDS-750 TRX	109-000030-00	910503702319
Accessory Holders: Black	120-000003-04	910503702840
Half Top Hats: Black	120-000009-04	910503702848
Top Hats: Black	120-000005-04	910503702844
Egg Crate Louvers: Black	120-000015-04	910503702852
Barndoors: Black	120-000019-04	910503702856
Horizontal Spread Lens:* 36° (ribs out) / 50° (ribs in)	120-000025-00	910503703897
Horizontal / Vertical Spread Lens*: 40° / 40°	120-000025-01	910503703898

Use Item Number when ordering in North America.

Photometrics

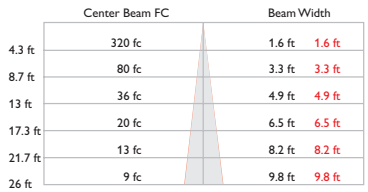
23° frosted lens

Polar Candela Distribution



	0	22.5	44	67.5	90
0	6003	6003	6003	6003	6003
5	5236	5278	5235	5189	5108
15	1872	1873	1879	1845	1799
25	542	542	543	532	520
35	201	201	199	196	191
45	94	95	95	94	92
55	54	54	55	56	55
65	30	30	31	33	32
75	10	10	12	14	14
85	0	0	1	1	1
90	0	0	0	0	0

Illuminance at Distance



77.5 ft (23.6 m)
1 fc maximum distance

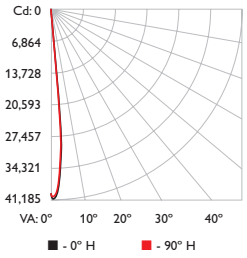
Vert. Spread: 21.3°
Horiz. Spread: 21.4°

Lumens	1469
Efficacy	29.4 lm / W

For lux multiply fc by 10.7

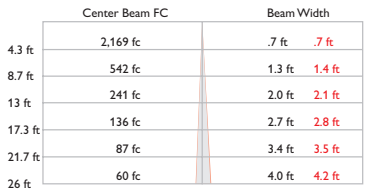
10° clear lens

Polar Candela Distribution



	0	22.5	44	67.5	90
0	40724	40724	40724	40724	40724
5	18090	18461	18629	18569	17567
15	573	743	813	810	746
25	203	207	207	205	205
35	35	44	47	47	42
45	35	32	27	25	25
55	35	37	30	42	42
65	25	7	2	5	5
75	0	0	0	0	0
85	0	0	0	0	0
90	0	0	0	0	0

Illuminance at Distance



202 ft (61.6 m)
1 fc maximum distance

Vert. Spread: 8.8°
Horiz. Spread: 9.1°

Lumens	1679
Efficacy	33.6 lm / W

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