

BW
SERIES

General Area Light Distribution Fluorescent High-Bay

Product Description

An extremely efficient fluorescent high-bay (96%+) that provides exceptional light distribution for general areas and aisles. The simple, open reflector design allows for a very economic lighting solution. Applications include warehouses, manufacturing facilities and open construction retail.

Heat Dissipation – The arc bottom to the fixtures in this series creates a means for exceptional heat dissipation. Removing heat build-up allows lamps to perform at their maximal lumen output temperature rating. Additionally, as heat rolls off the sides of this fixture, this reduces the possibility of dirt build up on the reflectors and at the vent holes.

Light Distribution – The bottom arc angle of this fixture series provides a wide distribution pattern – excellent for use in general or open areas. When used in aisles with racking or shelving, turning this fixture perpendicular to the aisle allows the bottom arc to throw light evenly along the floor, lighting between the fixtures. The arced bottom also enhances the vertical footcandles, providing more even illumination down the product walls.

Mounting Methods

BW fixtures offer flexible mounting methods that most commonly include: standard chain hangers and surface mounting. There are several mounting options for this fixture series, and they are listed as “hanging options” below.

Hanging Options Include:

- Surface Mount [Mounting holes provided in the housing] (Standard)

- Chain Mount [Chain hangers are supplied with the fixture] (Standard)
- Quick Cable [QC – Quick hang cable system] (Optional)

Product Construction

The BW fixture housing is brake formed from heavy gauge cold rolled steel. Ends and socket plates are permanently riveted together for strength and rigidity. The housing is pre-painted with a durable, highly reflective powder-coat finish.

Optical Reflector system is precision brake formed of the selected aluminum material – enhanced aluminum or highly reflective white. The one piece reflector is removable without the use of tools, using 1/4 turn fasteners to secure it in place.

Lampholders are made of a Polycarbonate material; these locking-style lampholders are utilized to ensure positive lamp retention. Additionally, the material contributes to a longer life product in high temperature applications.

Ballasts are electronic programmed-start (T5HO) or instant-start (T8) as a standard. Optional ballasts are available, consult factory for available systems and system specifications. Available voltages: 120v, 277v, 347v, voltage sensing 120-277v and 347-480v.

Listings – All fixtures are UL and CUL listed

Photometric Data

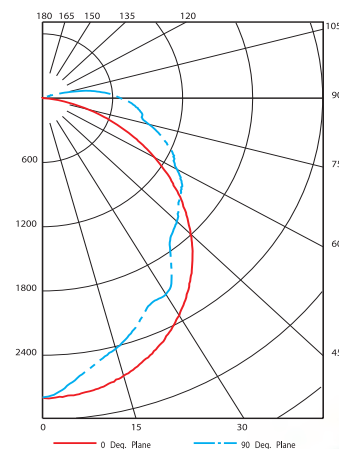
LTL NUMBER: 9703
CAT#: BW 332 27 1HI E 841

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	2000	23.4	24.0
0-40	3235	37.8	38.8
0-60	5661	66.2	67.9
0-90	7939	92.9	95.2
90-120	401	4.7	4.8
90-130	401	4.7	4.8
90-150	401	4.7	4.8
90-180	401	4.7	4.8
0-180	8340	97.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 97.5%

CIE TYPE:	DIRECT	90-DEG
PLANE:	0-DEG	90-DEG
SPACING CRITERIA:	1.2	1.1



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FIXTURES



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BW – Fixture Ordering Information

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options*2
BW	—	3	32	12	1	HI	E	BLANK	C ()	BLANK	HP
BWT*1	—	4	54	27	2	LI	W	QC	6T1	830	A
		5		34	3	SI	B	QC ()	6T2	835	TG
		6		UV		SI+			E ()	841	SS
				HV		PS			F	850	ES ()
						PSL			OS ()		XL
						PSH			SC		
						PD			20G		
						SDH			SDT		
						AX			PC		

Please Specify When Ordering:

Fixture Series	Lens	# of Lamps	Lamp Type	Voltage	# Ballasts	Ballast Type	Reflector	Hanging	Options	Lamp Color	Lamp Options
BW	—										

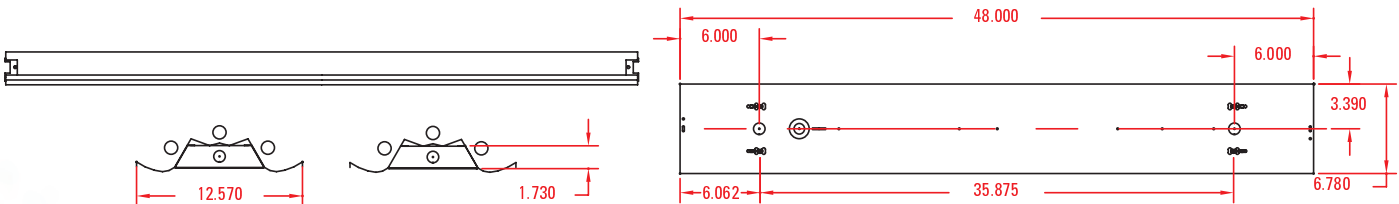
*1 BWT are 8ft tandem fixtures, # lamps are for the profile of the fixture.
*2 Consult Factory for Manufacturer Specific Ordering Codes/Availability.

Lamp Type Selections	Ballast Selections	Reflector Selections	Options Selections	Lamp Color Selections
32 F32T8 System 54 F54T5HO System Voltage Selections 12 120V 27 277V 34 347V UV 120-277V HV 347-480V	HI High Ballast Factor (HBF) Electronic* LI Low Ballast Factor (LBF) Electronic* SI Standard Ballast Factor (NBF) Electronic* SI+ 1.0BF Electronic* PS Programmed Start (NBF) PSL Programmed Start LBF* PSH Programmed Start HBF* PD Programmed Start Dimming SDH Step Dimming HBF (100% to 60% Dimming)* AX Daylight Harvesting Ballast with remote mount photosensor* * T8 Only	E Enhanced Aluminum W Highly Reflective White Aluminum B 95% Reflective Extreme White Aluminum Hanging Selections BLANK V-Chain Hangers QC Quick Hang Cable (10') QC () Quick Hang Cable (Specify Length)	C () Single Circuit Cord (Specify Length) 6T1 6' Cord with L5-15 Locking End 6T2 6' Cord with L7-15 Locking End E () Emergency Pack (# Lumens) F Inline Fuse OS () Occupancy Sensor (Specify Lamps on Low/Lamps on High) SC Safety Cable 20G 20 gauge NYC Standards SDT Step Down Transformer (480V to 277V) PC Photocell	BLANK Lamps Not Included 830 80+ CRI, 3000K 835 80+ CRI, 3500K 841 80+ CRI, 4100K 850 80+ CRI, 5000K Lamp Options Selections HP High Performance, Long Life Lamps* A Amalgam Tip Lamps** TG Tubeguarded Lamps SS Shattershielded Lamps ES () Energy Saver (Specify Wattage) XL Long Life* * T8 Only ** T5HO Only

Common Fixture Selections

Catalog Number	System	# of Lamps	Wattage (120/277V)*	Initial System Lumens*	Mean System Lumens*
BW 454 UV 1PS W	T5HO	4	232w / 226w	20,000	19,000
BW 554 UV 2PS E	T5HO	5	304w / 300w	25,150	23,893
BW 632 UV 2HI E	T8	6	222w / 218w	21,948	21,240
BW 654 UV 2PS E	T5HO	6	348w / 341w	30,000	28,500

*Wattages may vary depending on the ballast manufacturer and lamp type used.
Initial and mean system lumens are the initial/mean lumen output of the lamp/ballast system as rated by lamp and ballast manufacturer and may vary from manufacturer to manufacturer.
Specifications and dimensions subject to change without notice. Contact Optimum Lighting for current availability and ordering information.



Fixture Type: _____

Catalog #: _____ Quantity: _____

Project: _____