



## SPECIFICATIONS

**HOUSING** - Post painted white body provides a clean and neutral appearance. Code gage. Multiple KO's and access plate on back for rapid wiring.

**REFLECTORS / DISTRIBUTION** - Features your choice of a full specular mirrored reflector with no uplight and wide distribution (M23), a full specular mirrored reflector with no uplight and narrow distribution (M21), or an enhanced white reflector with no uplight and standard distribution (W13).

**LIGHT SOURCES** - The HBW series offers two light sources: 48" T8 and 46" T5HO fluorescent lamps.

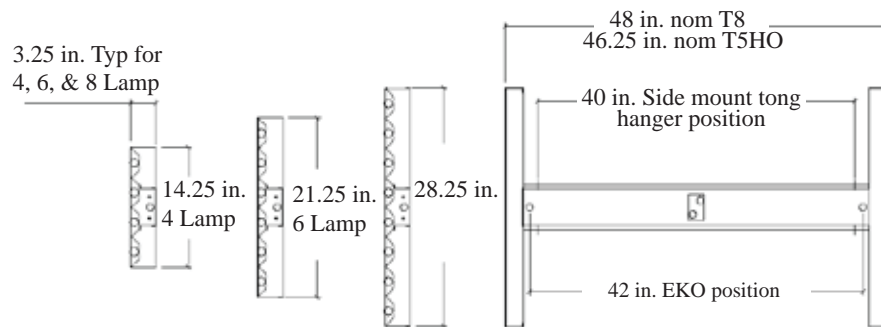
**SOCKETS** - Equipped with a twist lock lamp holder that ensures the lamp is secured.

**BALLASTS** - Featuring a UL listed electronic ballast available in 120V, 277V, Multi-Volt, 120V Hi-Lume, 277V Hi-Lume and Multi-Volt Hi-Lume.

**MOUNTING** - The HBW series can be mounted in a variety of ways. 4 point chain mount (HC101), 2 point tong chain mount (HC202 or HC203), 2 point stem mount - 1/2" (no accessories required), single point mount (7HBD), or surface mount (no accessories required).

**WARRANTY** - 1 year manufacturer warranty on all components. 5 year warranty on ballast.

## DIMENSIONS



Approved By: \_\_\_\_\_ Project Name: \_\_\_\_\_

Location: \_\_\_\_\_ Date: \_\_\_\_\_

# HBW SERIES

FLUORESCENT HI-BAY

**ORDERING INFORMATION** SELECT APPROPRIATE CHOICE FROM EACH COLUMN TO FORMULATE ORDER CODE. Refer to example below.

SERIES	LAMP COUNT	LAMP TYPE	DISTRIBUTION <sup>1</sup>	BALLAST & VOLTAGE <sup>2</sup>	OPTIONS	ACCESSORIES
HBW	6	T8 <sup>3</sup> T5HO	<b>M23</b> - Full specular reflector, no uplight, wide distribution <b>M21</b> - Full specular reflector, no uplight, narrow distribution <b>W21</b> - Enhanced white reflector, no uplight, standard distribution	<b>E120</b> - Electronic, 120V <b>E277</b> - Electronic, 277V <b>E480</b> - Electronic, 480V <b>MV</b> - Electronic, Multi-Volt <b>H120</b> - Electronic, 120V, Hi-Lume <b>H277</b> - Electronic, 277V, Hi-Lume <b>HMV</b> - Electronic, Multi-Volt, Hi-Lume	<b>CS</b> - 5-15P 120V 8ft. Cord and Plug <b>CS12</b> - L7-15P 277V 8ft Cord and Plug <b>CS08</b> - 8ft Cord, No Plug <b>WP</b> - 6ft, 3 wire Whip <b>WP10</b> - 6ft, 4 wire Whip <b>EM</b> - Emergency ballast, 500 lumens <b>EM14</b> - Emergency ballast, 1400 lumens <b>NO</b> - No Option	<b>HC101</b> - Chain kit, Includes: 6 S Hooks and 20ft chain <b>HC202</b> - Tong Hangers, End Mount (Pair) <b>HC203</b> - Tong Hanger, Side Mount (Pair) <b>7HBD</b> - Single Point hanger adapter <b>4WG</b> - 4 Lamp Wire Guard <b>6WG</b> - 6 Lamp Wire Guard <b>8WG</b> - 8 Lamp Wire Guard <b>NA</b> - No Accessories

**HBW 4 T8**  
(EXAMPLE ORDER)

**M23**

**E120**

**NO**

**NA**

**ORDER:**  
**WLS-HBW**

**FOOTNOTES:**

- 1 - Custom reflectors available to create any light distribution.
- 2 - Hi-Lume and Lo-Lume ballasts available for T8 lamps only.
- 3 - EM14 required for T5HO lamps.

**PHOTOMETRICS**

Calculated using the zonal cavity method in accordance with IESNA M41 procedure. Lamp configurations shown are typical. Photometric data on these and other configurations available upon request.

Floor	20%	20%	20%	20%	10%	10%	10%	10%
Ceiling	80%	80%	80%	70%	70%	50%	50%	0%
Wall	70%	50%	30%	70%	50%	50%	30%	30%
RCR	Zonal cavity coefficients			HBG432	Spacing ratio.		Along 1.2	Across 1.3
0	1.12	1.11	1.11	1.09	1.08	0.98	0.98	0.93
1	1.02	0.97	0.93	1.00	0.95	0.87	0.85	0.81
2	0.94	0.86	0.79	0.91	0.84	0.78	0.73	0.70
3	0.86	0.76	0.68	0.84	0.74	0.69	0.64	0.61
4	0.80	0.68	0.60	0.77	0.67	0.63	0.57	0.55
5	0.74	0.61	0.53	0.72	0.60	0.57	0.51	0.49
6	0.68	0.56	0.47	0.66	0.55	0.52	0.46	0.44
7	0.64	0.51	0.43	0.62	0.50	0.48	0.42	0.40
8	0.60	0.47	0.39	0.58	0.47	0.45	0.38	0.37
9	0.56	0.44	0.36	0.55	0.43	0.41	0.35	0.34
10	0.53	0.40	0.33	0.52	0.40	0.39	0.32	0.32

Floor	20%	20%	20%	20%	10%	10%	10%	10%
Ceiling	80%	80%	80%	70%	70%	50%	50%	0%
Wall	70%	50%	30%	70%	50%	50%	30%	30%
RCR	Zonal cavity coefficients			HBG454	Spacing ratio.		Along 1.2	Across 1.3
0	1.09	1.08	1.08	1.06	1.05	0.96	0.95	0.91
1	0.99	0.94	0.90	0.97	0.92	0.84	0.82	0.78
2	0.90	0.82	0.75	0.87	0.80	0.74	0.69	0.66
3	0.82	0.71	0.63	0.79	0.70	0.65	0.59	0.56
4	0.75	0.63	0.54	0.73	0.62	0.58	0.51	0.49
5	0.68	0.56	0.47	0.66	0.55	0.52	0.45	0.43
6	0.63	0.50	0.41	0.61	0.49	0.46	0.39	0.38
7	0.58	0.45	0.37	0.57	0.44	0.42	0.35	0.34
8	0.54	0.41	0.33	0.53	0.41	0.39	0.32	0.31
9	0.51	0.38	0.30	0.49	0.37	0.36	0.29	0.28
10	0.47	0.35	0.27	0.46	0.34	0.33	0.26	0.26

Floor	20%	20%	20%	20%	10%	10%	10%	10%
Ceiling	80%	80%	80%	70%	70%	50%	50%	0%
Wall	70%	50%	30%	70%	50%	50%	30%	30%
RCR	Zonal cavity coefficients			HBG632	Spacing ratio.		Along 1.2	Across 1.3
0	1.11	1.10	1.10	1.08	1.08	0.98	0.97	0.93
1	1.02	0.97	0.92	0.99	0.95	0.87	0.84	0.80
2	0.93	0.84	0.78	0.90	0.83	0.77	0.72	0.69
3	0.85	0.74	0.66	0.82	0.73	0.68	0.62	0.60
4	0.78	0.66	0.58	0.76	0.65	0.61	0.55	0.53
5	0.72	0.59	0.51	0.70	0.58	0.55	0.49	0.47
6	0.66	0.53	0.45	0.64	0.52	0.50	0.43	0.42
7	0.62	0.49	0.40	0.60	0.48	0.46	0.39	0.38
8	0.58	0.45	0.37	0.56	0.44	0.42	0.36	0.35
9	0.54	0.41	0.33	0.53	0.40	0.39	0.32	0.32
10	0.51	0.38	0.30	0.49	0.37	0.36	0.30	0.29

Floor	20%	20%	20%	20%	10%	10%	10%	10%
Ceiling	80%	80%	80%	70%	70%	50%	50%	0%
Wall	70%	50%	30%	70%	50%	50%	30%	30%
RCR	Zonal cavity coefficients			HBG654	Spacing ratio.		Along 1.2	Across 1.3
0	1.13	1.13	1.13	1.10	1.11	1.00	1.00	0.94
1	1.03	0.97	0.93	1.00	0.95	0.87	0.84	0.80
2	0.93	0.84	0.77	0.91	0.82	0.76	0.71	0.68
3	0.85	0.73	0.65	0.82	0.72	0.67	0.61	0.58
4	0.77	0.65	0.56	0.75	0.64	0.60	0.53	0.51
5	0.71	0.58	0.48	0.69	0.56	0.53	0.46	0.44
6	0.65	0.51	0.42	0.63	0.51	0.48	0.41	0.39
7	0.61	0.47	0.38	0.59	0.46	0.44	0.37	0.35
8	0.57	0.43	0.34	0.55	0.42	0.40	0.33	0.32
9	0.53	0.39	0.31	0.51	0.38	0.37	0.30	0.29
10	0.49	0.36	0.28	0.48	0.35	0.34	0.27	0.27

Approved By: \_\_\_\_\_ Project Name: \_\_\_\_\_

Location: \_\_\_\_\_ Date: \_\_\_\_\_

**WLS LIGHTING SYSTEMS**

P.O. Box 100519 Fort Worth, TX 76185 800.633.8711 Fax: 817.735.4824 www.wslighting.com

Consider the Impact!