WLS LIGHTING SYSTEMS

IFH SERIES

FLUORESCENT HI-BAY

listed for wet locations

SPECIFICATIONS

HOUSING - The IFH series features a galvanized, code gauge steel body. the rear has multiple KOs and an access plate for rapid wiring.

REFLECTORS / DISTRIBUTION - Each fixture features a premium, full specular reflector with protective film. WLS offers three reflectors: M23 - full specular mirror reflector, no uplight, wide distribution. M21 - full specular mirror reflector, no uplight, narrow distribution. W21 - enhanced white reflector, no uplight, standard distribution.

LIGHT SOURCES - The IFH series offers two light sources. T8 48" fluorescent lamp and T5HO 46" fluorescent lamp.

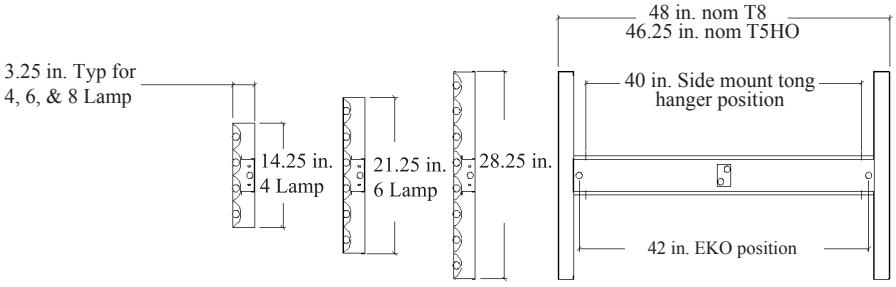
SOCKETS - Equipped with a twist lock lampholder that ensures that the lamp is secured.

BALLASTS - Featuring a UL listed electronic ballast available in 120V, 277V, Multi-Volt, 120V Hi-Lume, 277V Hi-Lume, and Multi-Volt Hi-Lume. The ballast is thermally protected, class P, HPF, Non PCB.

MOUNTING - The IFH series can be mounted in a variety of ways. 4 point chain mount (HC101). 2 point tong chain mount (HC202 or HC 203). 2 point stem mount - 1/2" (no accessories required). Single point mount (7HBD). Surface mount - (no accessories required).

WARRANTY - 1 year manufacturers warranty on all components. 5 year warranty on ballast.

DIMENSIONS			
	Length in/mm	Width in/mm	Depth in/mm
4 Lamp	14.25 / 370	48 / 1220	3.25 / 80
6 Lamp	21.25 / 540	48 / 1220	3.25 / 80
8 Lamp	28.25 / 720	48 / 1220	3.25 / 80



Approved By: _____ Project Name: _____

Location: _____ Date: _____

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

IFH SERIES

FLUORESCENT HI-BAY

ORDERING INFORMATION

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

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

IFH **M23** **T8** **FL** **4** **E120** **NO** **NA**

(EXAMPLE ORDER)

ORDER:
WLS-IFH _____ _____ _____ _____ _____ _____ _____

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 IESNALM41 procedure. Lamp configurations shown are typical. Photometric data on these and other configurations available upon request.

Floor	20%	20%	20%	20%	20%	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 4 T8 lamps 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%	20%	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 4T5HO lamps 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%	20%	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 6 T8 lamps 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%	20%	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 6 5 lamps 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

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