MOBERN LIGHTING

FEATURES & BENEFITS

INTENDED USE
The FHBI series open frame fluorescent high bay is a fully accessorized open frame fixture perfect for warehouse lighting. Premium full specular mirrored reflectors provide efficient lighting and maximum throw for medium to high mount applications. Built tough for industrial applications. Fully accessorized.

SIZE W x L x H in inches
4 lamp: 14.25W x 48L x 3.25D (370 x 1220 x 80)
6 lamp: 21.25W x 48L x 3.25D (540 x 1220 x 80)
8 lamp: 28.25W x 48L x 3.25D (720 x 1220 x 80)
10 lamp: 35.3W x 48L x 3.25D
12 lamp: 42.25W x 48L x 3.25D

MOUNTING
4 point chain mount (HC101 accessory available)
2 point long chain mount (HC202 or HC203 acc available)
2 point stem mount-1/2" -no accessories required
Single point mount (7HBD accessory available)
Not designed for surface mounting on ceiling or wall.

MATERIALS & FEATURES
Galvanized steel body. Code gauge. Lamps secured in twist lock lamp holders. Premium, full specular mirrored reflector with protective film. Multiple KOs and access plate on back for rapid wiring. Fixture efficiency greater than 83%.

LAMP
4, 6, 8, 10 or 12 T8, T5HO or T55 lamp positions

LISTING
Fixture & Ballast; UL listed
Ballast: Thermally protected, class P, HPF
Non PCB

TYPICAL OPTIONS AND ACCESSORIES
Emergency ballasts. Cord sets, whips, occupancy sensors, hanging kits, wire guards. Contact factory for additional options.

High Output Versions
10 Light Pictured
Also Available in 12 Light
Available with uplight

ORDERING DATA

EXAMPLE: FHBI 4 32 MV

FHBI

Series	# of Lamps		Lamp Size		Reflector Type		Ballast Type	
FHBI	**4**	4 lamp	**32**	48" T8	**Blank**	Silver	**MV**	Multivolt
	6	6 lamp	**54**	46" T5HO	**UP**	Silver Uplight	**PMV**	Program Multivolt
	8	8 lamp			**W**	White	**480V**	480 Volt
	10	10 lamp						
	12	12 lamp						

Options

B1	T8/T5 1L500 Lumen Battery Backup (B11)
B2	T8/T5 1L/2L 700 Lumen Battery Backup (B48)
B3	T8/T5 1L/2L 1400 Lumen Battery Backup (B223)
B51	T5HO 1L 500 Lumen Battery Backup (B625)
B52	T5HO 1L 800 Lumen Battery Backup (B585)
B53	T5HO 1L 1300 Lumen Battery Backup (B626)
OS	Occupancy Sensor
11	Dual Ballasts 1 Lamp + 1 Lamp
21	Dual Ballasts 2 Lamp + 1 Lamp
22	Dual Ballasts 2 Lamp + 2 Lamp
31	Dual Ballasts 3 Lamp + 1 Lamp
RIF	Radio Interference Filter

*See chart on page 2 for whip & cord ordering options

Brands

Code No.	Description
A	Advance
G	GE Ballast
L	Lutron
S	Sylvania Ballast
U	Universal

Performance Levels

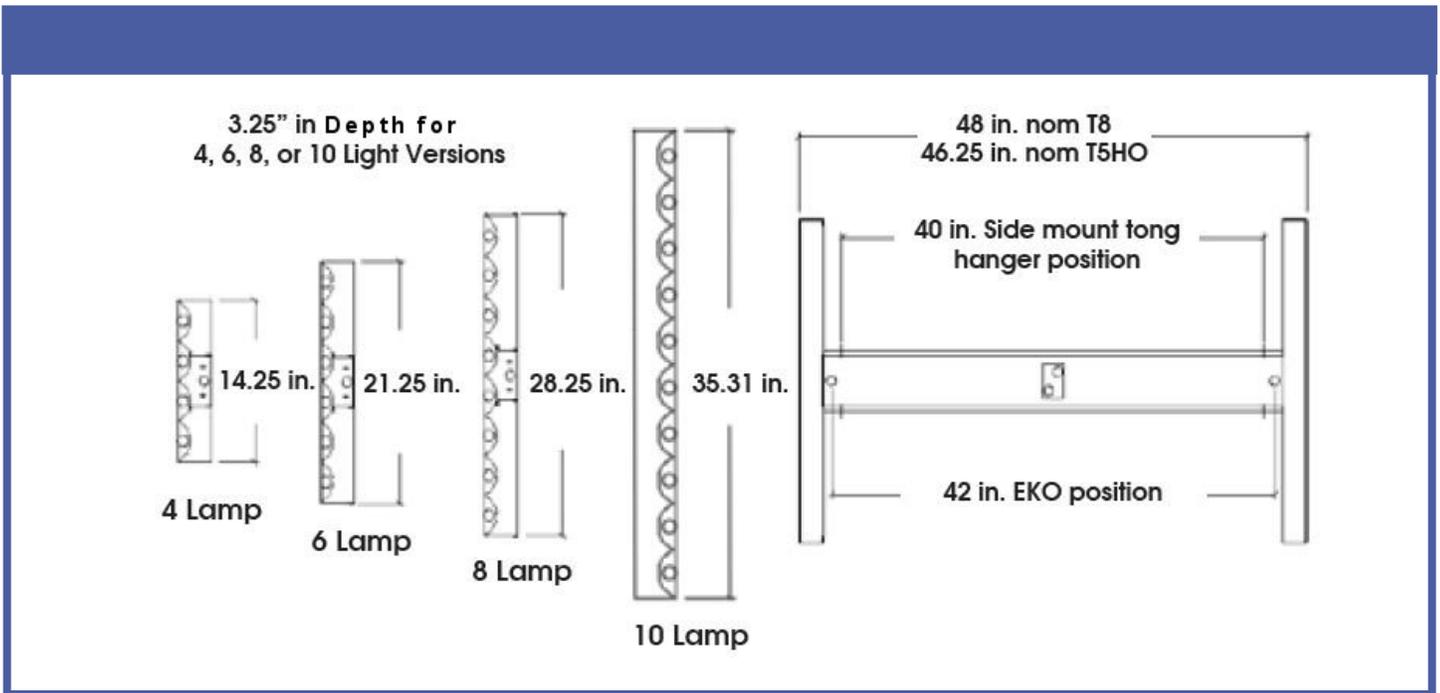| Ballast			
Manufacturer	Standard - Leave blank if no preference	High Efficiency Instant Start	High Efficiency Program Start
Advance (A)	Centium ICN (A)	Optanium (AL, AN, AH)	Optanium PS (APL, APN ???)
GE (G)	Proline GE (G)	UltraMax (GL, GN, GH)	UltraStart (GPL, GPH, GPH)
Osram/Sylvania (S)	Quicktronic Pro (S)	Quicktronic QHE (SL, SN, SH)	ProStart (SPL, SPN, SPH)
Universal (U)	ULT STD Electronic (U)	HP Electronic (UL, UN, UH)	AccuStart (UPI, UPN, UPH)

♦ **800-444-WATT** ♦ www.mobern.com ♦
8200 Stayton Dr., Ste. 500, Jessup, MD 20794

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*Cord & Whip Ordering Chart (Add to End of Fixture Part Number)

Part No.	# of Wires	Length	End Fitting	Finish	Voltage	Amps (TL Only)
WP - Whip **CS** - Cordset	**(Blank)** 3 Wire **4** - 4 Wire **5** - 5 Wire **6** - 6 Wire	**(Blank)** 6 feet **8** - 8 feet **10** - 10 feet **12** - 12 feet **15** - 15 feet	**(Blank)** No Plug **P*** - Standard Plug **TL*** - Twist Lock	**BK** - Black **WH** - White	**(Blank)** 120-277V **120** - 120V **277** - 277V **347** - 347V **480** - 480V	**15** - 15 Amps **20** - 20 Amps

DIMENSIONS

3.25" in Depth for 4, 6, 8, or 10 Light Versions

14.25 in. — 4 Lamp

21.25 in. — 6 Lamp

28.25 in. — 8 Lamp

35.31 in. — 10 Lamp

48 in. nom T8
46.25 in. nom T5HO

40 in. Side mount tong hanger position

42 in. EKO position

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PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 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 HBG432 Spacing Ratio Along1.2 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 HBG454 Spacing Ratio Along1.2 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 HBG632 Spacing Ratio Along1.2 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 HBG654 Spacing Ratio Along1.2 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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