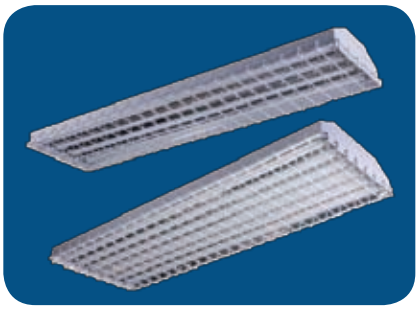
Saylite
Texas Fluorescents
Reinvented

HBT Series

**Fluorescent HiBay,
Enclosed Body, Economy**



FEATURES & SPECIFICATIONS

INTENDED USE

The HBT is an economy version of the full body high bay fluorescent, yet still provides the premium mirrored reflectors for high efficiency lighting. Post painted for superior appearance and appeal, the HBT is suitable for modern commercial and retail environments, and gymnasiums when fitted with optional wire guards. The fixtures are typically provided with premium mirrored reflectors suitable for medium to high mount positions.

SIZE W x L x H in inches (mm)

4 lamp: 13.38W x 48.5L(T8) or 47L(T5) x 4.25H
6 lamp: 18.50W x 48.5L(T8) or 47L(T5) x 4.25H

LAMP

4 or 6 T8, T5HO, or T5.5 lamp positions

MOUNTING

4 Point chain mount (Chain kit included)

MATERIALS & FEATURES

Baked white enamel code gage steel
Premium full specular mirrored reflector
Multiple KOs and access plate
Access to ballast from above so no need to remove lamps or reflector.

DFA

Shown with Door frame

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.

ORDERING INFORMATION

Example: HBT8DFA632MV

HBT8 | **DFA** | **6** | **32** | | **MV**

Series

HBT8
HBT5
Fluorescent HiBay
Enclosed Body
Economy

Door Frame

blank	No Door Frame
DFA	With Door Frame

T8 & T5HO Lamps, all colors.
Ask about the new T5.5 lamp.
Operates on any T8 ballast, fits any 48" T8 fixture.

Lamp Count

4 or 6
Lamps Not included

Lamp Type [1]

32	48 in. T8
54	46 in. T5HO

Reflector [2]

Blank	Full Specular (Mirrored)

Ballast & Voltage [1]

E120	Electronic, 120V
E277	Electronic, 277V
MV	Electronic, Multivolt (120-277)
H120	Electronic, 120V, Hi-Lume [3]
H277	Electronic, 277V, Hi-Lume [3]
HMV	Electronic, Multivolt, Hi-Lume [3]

Options [1]

CS	5-15P 120V 8ft. Cord & Plug
CS12	L7-15P 277V 8ft. Cord & Plug
CS08	8ft. Cord, No Plug
WP	6 ft. 3 wire, Whip
WP10	6ft. 4 wire, Whip
EM	Emergency ballast, 500 lumens
EM14	Emergency ballast, 1400 lumens

Note: EM14 required for T5HO lamps
Consult factor for occupancy and daylight sensors.

Accessories

Order as Seperate Part Number

HBT84WG	Wire Guard, 4 Lamp Unit T8
HBT86WG	Wire Guard, 6 Lamp Unit T8
HBT54WG	Wire Guard, 4 Lamp Unit T5
HBT56WG	Wire Guard, 6 Lamp Unit T5

Notes

[1] See end of T02HiBay for many additional lamps, ballasts, finishes, and options.
[2] Custom reflectors available to create any light distribution.
[3] HiLume and LoLume ballasts available for T8 lamps only.

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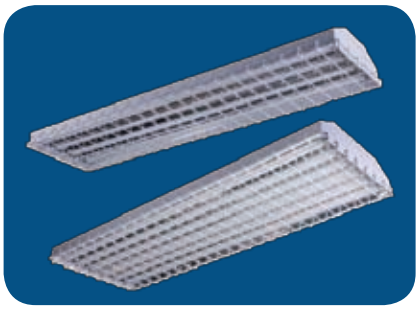
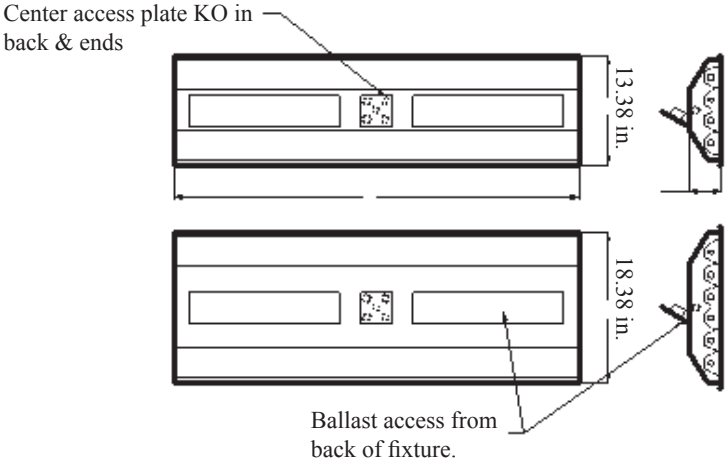


DIMENSIONS

All dimensions are inches. Specifications subject to change without notice.



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	HBT432	Spacing ratio.	Along 1.2	Across 1.3			
0	1.12	1.13	1.12	1.10	1.09	0.99	0.99	0.94
1	1.03	0.97	0.93	1.00	0.95	0.87	0.85	0.81
2	0.93	0.85	0.78	0.91	0.83	0.77	0.72	0.69
3	0.85	0.74	0.66	0.83	0.73	0.68	0.62	0.59
4	0.78	0.66	0.57	0.76	0.64	0.61	0.54	0.52
5	0.71	0.58	0.50	0.69	0.57	0.54	0.47	0.45
6	0.66	0.52	0.43	0.64	0.51	0.49	0.42	0.40
7	0.61	0.47	0.39	0.59	0.47	0.44	0.37	0.36
8	0.57	0.43	0.35	0.55	0.43	0.41	0.34	0.33
9	0.53	0.40	0.32	0.52	0.39	0.37	0.31	0.30
10	0.50	0.36	0.29	0.48	0.36	0.35	0.28	0.27

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	HBT454	Spacing ratio.	Along 1.2	Across 1.3			
0	1.14	1.14	1.14	1.12	1.11	1.01	1.01	0.96
1	1.06	1.01	0.97	1.03	0.99	0.91	0.88	0.84
2	0.97	0.89	0.83	0.95	0.88	0.81	0.77	0.74
3	0.90	0.80	0.72	0.87	0.78	0.73	0.68	0.65
4	0.83	0.72	0.63	0.81	0.70	0.66	0.60	0.58
5	0.77	0.64	0.56	0.75	0.63	0.60	0.54	0.52
6	0.71	0.58	0.50	0.69	0.57	0.55	0.48	0.47
7	0.66	0.53	0.45	0.65	0.53	0.50	0.44	0.43
8	0.62	0.49	0.41	0.61	0.49	0.47	0.40	0.39
9	0.58	0.46	0.38	0.57	0.45	0.43	0.37	0.36
10	0.55	0.42	0.35	0.54	0.42	0.40	0.34	0.33

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	HBT632	Spacing ratio.	Along 1.2	Across 1.3			
0	1.10	1.10	1.10	1.08	1.07	0.97	0.97	0.92
1	1.02	0.97	0.93	0.99	0.95	0.87	0.85	0.81
2	0.93	0.86	0.79	0.91	0.84	0.78	0.74	0.70
3	0.86	0.76	0.68	0.83	0.74	0.70	0.64	0.62
4	0.79	0.68	0.60	0.77	0.67	0.63	0.57	0.55
5	0.73	0.61	0.53	0.71	0.60	0.57	0.51	0.49
6	0.68	0.55	0.47	0.66	0.54	0.52	0.45	0.44
7	0.63	0.50	0.42	0.61	0.50	0.47	0.41	0.40
8	0.59	0.46	0.39	0.58	0.46	0.44	0.38	0.36
9	0.55	0.43	0.35	0.54	0.42	0.41	0.34	0.33
10	0.52	0.39	0.32	0.51	0.39	0.38	0.32	0.31

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	HBT654	Spacing ratio.	Along 1.2	Across 1.3			
0	1.01	1.01	1.00	0.99	0.99	0.90	0.89	0.85
1	0.94	0.90	0.86	0.92	0.88	0.81	0.79	0.75
2	0.87	0.80	0.74	0.84	0.78	0.73	0.69	0.66
3	0.80	0.71	0.64	0.78	0.70	0.65	0.61	0.58
4	0.74	0.64	0.57	0.72	0.63	0.59	0.54	0.52
5	0.68	0.58	0.50	0.67	0.57	0.54	0.48	0.47
6	0.63	0.52	0.45	0.62	0.51	0.49	0.43	0.42
7	0.59	0.48	0.41	0.58	0.47	0.45	0.40	0.38
8	0.56	0.44	0.37	0.54	0.44	0.42	0.36	0.35
9	0.52	0.41	0.34	0.51	0.40	0.39	0.33	0.32
10	0.49	0.38	0.31	0.48	0.37	0.36	0.31	0.30

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