

# EXPRESS

By Edsun Lighting Fixture Manufacturing

## "HBF"

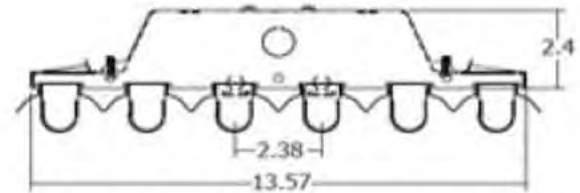
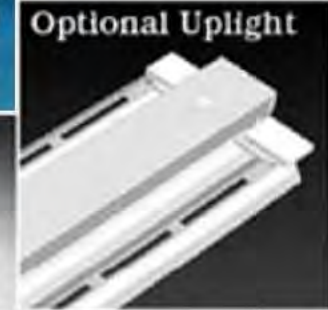
### Fluorescent High Bay



## 4 and 6-Lamp T8 and T5



Optional Uplight



6-Lamp end view showing reflector configuration and lamp location

4-Lamp end view showing reflector configuration. on the four lamp application the four internal lamps are assembled no two outer lamps. Wire guards are optionally available. Major brand ballasts only.

The Miro4™ reflector system of the EXPRESS™ Component Kit delivers a new level of performance and control for High and Low Bay applications.

**Flexible:** Engineered for both T5 and T8 lamps. High-reflectance Miro4™ specular optics serve a wide range of high and low bay applications.

**Economical:** Simple design provides excellent optical performance in an economical high bay package.

**Optional Uplight:** Engineered slot locations provide indirect illumination adding an additional design options.

#### Specifications

Reflector Material: Miro4™

Housing Material: Die Formed CRS

Voltages:

T5: 120-277V • 480V



Edsun Lighting Fixture Manufacturing is in the USA.

#### Fluorescent High Bay Express Kits — 4 and 6-Lamp T8 & T5

Part Number	Description
<b>T8 Assemblies*</b>	
HB4F32	4' (4) Lamp T8 Miro High Bay
	4' (4) Lamp T8 White High Bay
HB6F32	4' (6) Lamp T8 Miro High Bay
	4' (6) Lamp T8 White High Bay
<b>T5 Assemblies*</b>	
HB4F54	4' (4) Lamp T5 Miro High Bay
	4' (4) Lamp T5 White High Bay
HB6F54	4' (6) Lamp T5 Miro High Bay
	4' (6) Lamp T5 White High Bay

\* Uplight versions available for all models. Add suffix (U) after part number to specify Uplight version.

Edsun Lighting Fixture Mfg. • 569 W 17 ST, HIALEAH, FL USA 33010-2412  
Ph.: 305 888-8849 • FAX: 305 883-0005 • email: sales@edsunlighting.com  
WEB: www.edsunlighting.com



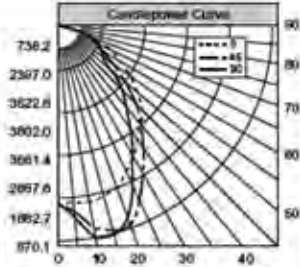
# fluorescent High Bay

## 4 and 6-Lamp T5 and T8 Photometric Data

**4-Lamp T5 High Bay**  
Lamps: F54T5HO  
Rated Lumens: 5000

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	6656	33.3	33.7
0-40	10458	52.3	53.0
0-60	16807	84.0	85.2
0-90	19731	98.7	100.0
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	19731	98.7	100.0



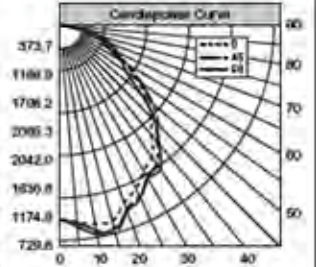
**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE													
	80				70				50					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	112	112	112	112	109	109	109	109	104	104	104	104	104	104
1	103	99	95	92	101	97	94	91	93	90	88	89	88	88
2	95	88	82	77	92	86	81	76	83	78	74	78	74	74
3	87	78	71	65	85	77	70	65	74	68	64	68	64	64
4	80	70	62	56	78	68	61	56	66	60	55	60	55	55
5	73	62	54	48	71	61	53	48	59	52	47	52	47	47
6	68	56	47	42	66	55	47	41	53	46	41	46	41	41
7	62	50	42	36	61	49	42	36	48	41	36	41	36	36
8	57	45	37	32	56	44	37	31	43	36	31	36	31	31
9	53	40	33	27	51	40	32	27	39	33	27	33	27	27
10	49	37	29	24	46	36	29	24	35	29	24	29	24	24

**4-Lamp T8 High Bay**  
Lamps: F32T8  
Rated Lumens: 2950

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	3247	27.5	29.3
0-40	5332	45.2	48.2
0-60	9005	76.3	81.3
0-90	11072	93.8	100.0
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	11072	93.8	100.0



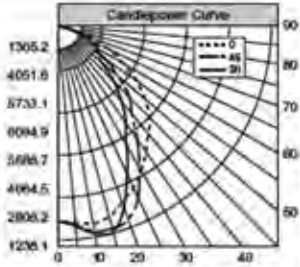
**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE													
	80				70				50					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	117	117	117	117	115	115	115	115	110	110	110	110	110	110
1	109	105	102	99	107	103	100	97	99	96	94	96	94	94
2	101	94	88	83	99	92	87	82	89	84	81	84	81	81
3	93	84	77	72	91	83	78	71	80	75	70	75	70	70
4	88	76	68	62	84	74	67	62	72	66	61	66	61	61
5	79	68	60	54	77	67	60	53	65	58	53	58	53	53
6	73	61	53	47	71	60	52	47	58	52	46	52	46	46
7	68	55	47	41	66	54	47	41	53	46	41	46	41	41
8	62	50	42	36	61	49	41	36	48	41	36	41	36	36
9	58	45	37	32	56	44	37	31	43	36	31	36	31	31
10	53	41	33	28	52	40	33	28	39	32	28	32	28	28

**6-Lamp T5 High Bay**  
Lamps: F54T5HO  
Rated Lumens: 5000

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	11090	37.0	35.7
0-40	17185	57.3	55.4
0-60	26838	89.5	86.4
0-90	31046	103.5	100.0
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	31046	103.5	100.0



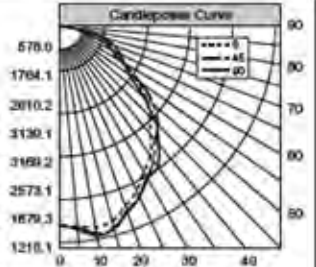
**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE													
	80				70				50					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	123	123	123	123	120	120	120	120	115	115	115	115	115	115
1	115	111	107	104	112	109	105	102	104	102	99	102	99	99
2	106	99	94	89	104	98	92	88	94	90	86	90	86	86
3	99	89	82	77	96	88	81	76	85	79	75	79	75	75
4	91	80	73	67	89	79	72	66	77	70	65	70	65	65
5	84	72	64	58	82	71	63	57	69	62	57	62	57	57
6	78	65	57	51	76	64	56	51	63	56	50	56	50	50
7	72	59	51	45	70	58	50	45	57	50	45	50	45	45
8	67	53	45	40	65	53	45	39	51	44	39	44	39	39
9	61	48	40	35	60	48	40	35	48	39	34	39	34	34
10	57	44	36	31	56	43	36	31	42	35	31	35	31	31

**6-Lamp T8 High Bay**  
Lamps: F32T8  
Rated Lumens: 2950

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	4952	28.0	28.8
0-40	8092	46.7	47.0
0-60	13825	78.1	80.3
0-90	17206	97.2	100.0
90-120	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	17206	97.2	100.0



**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE													
	80				70				50					
	70	50	30	10	70	50	30	10	50	30	10	50	30	10
0	116	116	116	116	113	113	113	113	108	108	108	108	108	108
1	107	102	99	95	104	100	97	94	96	93	91	96	93	91
2	98	90	84	79	95	89	83	78	85	80	76	80	76	76
3	90	80	73	67	88	79	72	66	76	70	66	70	66	66
4	83	72	63	57	80	70	63	57	68	61	57	61	57	57
5	76	63	55	49	74	62	54	49	60	53	49	53	49	49
6	70	57	49	42	68	56	48	42	54	47	42	47	42	42
7	64	51	43	37	62	50	43	37	49	42	37	42	37	37
8	59	46	38	32	58	45	37	32	44	37	32	37	32	32
9	54	41	33	28	53	41	33	28	39	32	28	32	28	28
10	50	37	30	25	49	37	30	25	36	29	24	29	24	24



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