

# Advanced Lighting I-Beam High Bay ALIB

## Features

The Advanced Lighting I-beam High-Bay is an all-new, high efficiency T5 or T8 luminaire housing for cost-effective lighting of low bay and high-bay warehouses, manufacturing plants, sports facilities and retail spaces.

- Instant on / Instant restrike
- Exceptional CRI and no color shift
- High system efficiency
- 93% lumen maintenance and extended lamp life
- Improved uniform illumination
- Made in the USA



## Specifications

- Housing: Die formed heavy-gauge cold rolled steel
- Ballast Access: Ballasts are accessible by removal of reflector screws
- Pre-painted white housing with precision-formed beveled Specular 95% or white aluminum reflector achieves maximum light output
- Mounting: designed for surface, pendant, or chain hanging
- Housing ballast chamber vented for extended ballast life

## Electrical Components

- Roto-Lock lamp holders
- Ballasts are UL listed Class P Thermally Protected, Type 1 Outdoor, Class A Sound Rated
- Quick disconnect
- Suitable for damp locations
- Lamps and ballasts warranted through their respective manufacturer
- UL listed to US and Canadian safety standards

## Ordering Options Example: ALIBT5-4L-PN-L5450-SP

Fixture	Lamps		Ballast Type <small>(120v-277v or Custom)</small>	Lamp			Reflector		
				Wattage	Color				
ALIBT5	4 Lamp	4L	Programmed Start, Normal BF (.88)	PN	54W	L54	500K	50	SP (Specular 95%)
ALIBT8	6 Lamp	6L	Programmed Start, High BF (>1.15)	PH	50W	L50	4100K	41	WH (White Alum)
			Instant Start, High BF (1.15)	IH	32W	L32	3500K	35	
			Instant Start, Normal Output Ballast	IN	Custom	CU			
			Custom	CU					

### Options

Sensor	S
Cable Hangers	CH
6' 18/3 Cord	6C

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	Energy Data	Mean Lumens*	Energy Savings
	IN/PN HE ballasts with 4-32W lamps 277V=107W	9,537	76%
	IH/PH HE ballasts with 4-32W lamps 277V=141W	12,465	69%
	IH/PH HE ballasts with 6-32W lamps 277V=218W	19,188	52%
	HE PSN ballast with 4-50W lamps 277V+209W	17,766	54%
	M/400/U w/ 1 magnetic ballast 277V=452W	17,784	Baseline

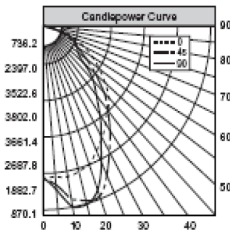
\*Fixture efficiency rated: 76% for HID 93% for High Bay

## Photometrics

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

**ZONAL LUMEN SUMMARY**

ZONE	LUMENS	%BARELAMP	%LUMINAIRE
0-30	6856	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
90-130	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



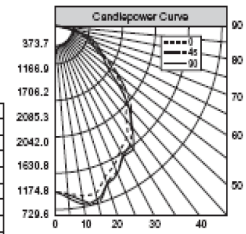
**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE										
	.80			.70			.50				
	70	50	30	10	70	50	30	10	50	30	10
0	112	112	112	112	109	109	109	109	104	104	104
1	103	99	96	92	101	97	94	91	93	90	88
2	96	88	82	77	92	86	81	76	83	78	74
3	87	78	71	65	85	77	70	65	74	68	64
4	80	70	62	56	78	68	61	56	66	60	55
5	73	62	54	48	71	61	53	48	59	52	47
6	68	56	47	42	66	55	47	41	53	46	41
7	62	50	42	36	61	49	42	36	48	41	36
8	57	45	37	32	56	44	37	31	43	36	31
9	53	40	33	27	51	40	32	27	39	33	27
10	49	37	29	24	46	36	29	24	35	29	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	78.3	81.3
0-90	11072	93.6	100.0
90-120	0	0.0	0.0
90-130	0	0.0	0.0
90-150	0	0.0	0.0
90-180	0	0.0	0.0
0-180	11072	93.6	100.0



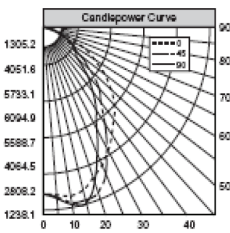
**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE										
	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
0	117	117	117	117	115	115	115	110	110	110	110
1	109	106	102	99	107	103	100	97	99	96	94
2	101	94	88	83	99	92	87	82	89	84	81
3	93	84	77	72	91	83	76	71	80	75	70
4	86	76	68	62	84	74	67	62	72	66	61
5	79	68	60	54	77	67	59	53	65	58	53
6	73	61	53	47	71	60	52	47	58	52	46
7	68	55	47	41	66	54	47	41	53	46	41
8	62	50	42	36	61	49	41	36	48	41	36
9	56	45	37	32	56	44	37	31	43	36	31
10	53	41	33	28	52	40	33	28	39	32	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	26836	89.5	86.4
0-90	31046	103.5	100.0
90-120	0	0.0	0.0
90-130	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



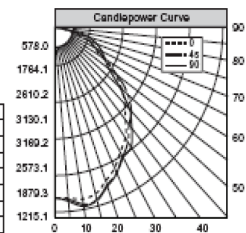
**COEFFICIENTS OF UTILIZATION**

Room Cavity Ratio	CEILING CAVITY REFLECTANCE										
	80			70			50				
	70	50	30	10	70	50	30	10	50	30	10
0	123	123	123	123	120	120	120	120	115	115	115
1	115	111	107	104	112	109	105	102	104	102	99
2	106	99	94	89	104	98	92	88	94	90	86
3	99	89	82	77	96	88	81	76	85	79	75
4	91	80	73	67	89	79	72	66	77	70	65
5	84	72	64	58	82	71	63	57	69	62	57
6	78	65	57	51	76	64	56	51	63	56	50
7	72	59	51	45	70	58	50	45	57	50	45
8	67	53	45	40	65	53	45	39	51	44	39
9	61	48	40	35	60	48	40	35	46	39	34
10	57	44	36	31	56	43	36	31	42	35	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	8082	45.7	47.0
0-60	13825	78.1	80.3
0-90	17206	97.2	100.0
90-120	0	0.0	0.0
90-130	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
0	116	116	116	116	113	113	113	113	108	108	108
1	107	102	99	95	104	100	97	94	96	93	91
2	98	90	84	79	95	89	83	78	85	80	76
3	90	80	73	67	88	79	72	66	76	70	66
4	83	72	63	57	80	70	63	57	68	61	57
5	76	63	55	49	74	62	54	49	60	53	49
6	70	57	49	42	68	56	48	42	54	47	42
7	64	51	43	37	62	50	43	37	49	42	37
8	59	46	38	32	56	45	37	32	44	37	32
9	54	41	33	28	53	41	33	28	39	32	28
10	50	37	30	25	49	37	30	25	36	29	24