

# Advanced Lighting High Bay ALHBT8

## Features

The Advanced Lighting High-Bay is an all-new, high efficiency 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 efficacy
- 95% lumen maintenance and extended lamp life
- Improved Uniform Illumination
- Assembled in the USA



## Specifications

- Housing: Die formed heavy-gauge cold rolled steel
- Ballast Access: Ballasts are accessible by removal of socket-plate screws. Reflector swings out on hinged ends
- Pre-painted white housing with precision-formed beveled specular 95% or white aluminum reflector achieves maximum light output
- Mounting: designed for surface, pendant, stem or chain hanging
- Wireguard (optional): Combination 6 and 9 ga. wire with white powder coat finish. Attaches with clips for easy lamp access
- Lens Door (optional): specify lens type
- 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: ALHBT8-648-IN-L3250-SP

Fixture	Lamps	Ballast Type		Lamp			Reflector		
		(120v-277v or Custom)		Wattage	Color				
ALHBT8	1'X4' 2L	248	Instant Start, High-Efficiency, Normal BF (.88)	IN	32W	L32	5000K	50	SP (Specular 95%)
	1'x4' 4L	448	Instant Start, High-Efficiency, High BF (≥1.15)	IH	Custom	CU	4100K	41	WH (White Alum)
	2'x4' 5L	548	Programmed Start, Normal BF (.88)	PN			3500K	35	
	2'x4' 6L	648	Programmed Start, High BF (≥1.15)	PH					
			Custom	CU					

### Options

Wireguard	WG
Lense Door	LD
Sensor	S
Cable Hangers	CH
6' 18/3 Cord	6C



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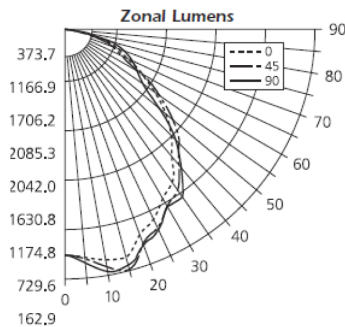
# Advanced Lighting High Bay ALHBT8

Energy Data	Mean Lumens*	Energy Savings
IN/PN HE ballasts with 4-32W lamps 277V=107W	9,537	76%
IN/PN HE ballasts with 6-32W lamps 277V=164W	14,310	64%
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%
M/400/U w/ 1 magnetic ballast 277V=452W	17,784	Baseline

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

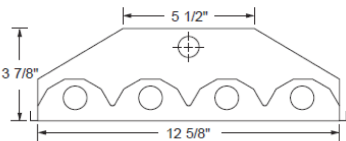
## Photometrics

ALHBT8-448, Building Acoustic and Lighting Laboratories Report No. 11677.0, F32/T8 2950 lumen



Zonal Cavity Coefficients of Utilization

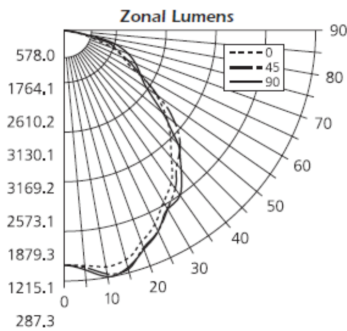
RCP	Pcc	80				70				50		
		70	50	30	10	70	50	30	10	50	30	10
0	0	1.12	1.12	1.12	1.12	1.09	1.09	1.09	1.09	1.04	1.04	1.04
1	1	1.03	99	95	92	1.01	97	94	91	93	90	88
2	2	95	88	82	77	92	86	81	76	83	78	74
3	3	87	78	71	65	85	77	70	65	74	68	64
4	4	80	70	62	56	78	68	61	56	66	60	55
5	5	73	62	54	48	71	61	53	48	59	52	47
6	6	68	56	47	42	66	55	47	41	53	46	41
7	7	62	50	42	36	61	49	42	36	48	41	36
8	8	57	45	37	32	56	44	37	31	43	36	31
9	9	53	40	33	27	51	40	32	27	39	32	27
10	10	49	37	29	24	48	36	29	24	35	29	24



Zonal Lumen Summary

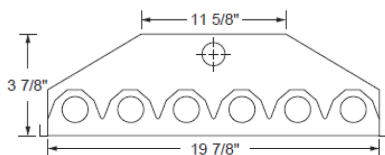
Zone	Lumens	% Lamp	% Fixture
0-30°	3247	27.5	29.3
0-40°	5332	45.2	48.2
0-60°	9005	76.3	81.3
0-90°	11072	93.8	100.0

ALHBT8-648, Building Acoustic and Lighting Laboratories Report No. 11678.0, F32/T8 2950 lumen



Zonal Cavity Coefficients of Utilization

RCP	Pcc	80			70				50			
		70	50	10	70	50	30	10	50	30	10	
0	0	1.16	1.16	1.16	1.16	1.13	1.13	1.13	1.13	1.08	1.08	1.08
1	1	1.07	1.02	99	95	1.04	1.00	97	94	96	93	91
2	2	98	90	84	79	95	89	83	78	85	80	76
3	3	90	80	73	67	88	79	72	66	76	70	65
4	4	83	72	63	57	80	70	63	57	68	61	56
5	5	76	63	55	49	74	62	54	49	60	53	48
6	6	70	57	49	42	68	56	48	42	54	47	42
7	7	64	51	43	37	62	50	43	37	49	42	37
8	8	59	46	38	32	58	45	37	32	44	37	32
9	9	54	41	33	28	53	41	33	28	39	32	28
10	10	50	37	30	25	49	37	30	25	35	29	24



Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
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