

## FEATURES & SPECIFICATIONS

**INTENDED USE** — The I-BEAM fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. Applications include manufacturing, warehousing, commercial facilities and retail. The fluorescent I-BEAM fixture best performs at mounting heights from 15' – 40'.

**Certain airborne contaminants can diminish integrity of acrylic.** [Click here for Acrylic Environmental Compatibility table for suitable uses.](#)

**ATTRIBUTES** — Designed for optimum performance using T8 fluorescent lamps. The I-BEAM fixture provides the best option for applications requiring a rugged fixture construction coupled with excellent fixture performance. Optical designs for your choice of narrow distribution in aisle or wide distribution for general lighting. Typical arrangement provides over 90% luminaire efficiency.

Available with four- or six-lamp cross-section with your choice of full direct component or with uplight. Easy two-point mounting with either tong hangers or convenient aircraft cable provides reliable installation. Eliminates fixture sag and provides sturdy installation. Single-point mounting available. Available in MVOLT (120-277V) or 347V.

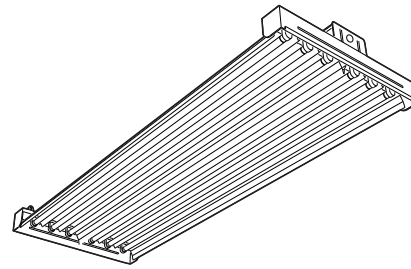
**CONSTRUCTION** — Channel is formed of heavy-duty code-gauge steel to stand up to the most demanding elements in installation or applications. Lamp holder assembly protects from incidental damage to reflectors during installation. Sockets include secure positioning rotating collars with enclosed contacts. Access plate on the back of the channel housing allows quick and easy wiring.

**FINISH** — Channel is high-gloss white baked enamel; five-stage iron phosphate pretreatment ensures superior paint adhesion and rust resistance.

**OPTICAL SYSTEM** — Two optical systems are available. Narrow distribution (ND) is ideal for narrow or aisle lighting applications and features precision-formed segmented optics utilizing Alanod Miro® 4 specular aluminum reflector. Provides 95% reflectivity and warranted for 25 years. Wide distribution (WD) includes high-reflectance white finish for general lighting or open areas.

**ELECTRICAL SYSTEM** — Thermally protected, resetting, Class P, HPF, A+ sound-rated electronic ballast. AWM TFM or THHN wire used throughout rated for required temperatures. Ballast disconnect (BDP) is standard unless EL14 or cordset is requested.

Catalog Number	
Notes	Type



# IB

**Fluorescent High Bay  
4- or 6-lamp T8**

### Specifications

Length: 48 3/8 (1227)  
Width: 17 5/8 (448)  
Depth: 4 3/8 (111)  
Weight: 17 lbs. (7.71 kg)

All dimensions are inches (millimeters).  
*Specifications subject to change without notice.*

**INSTALLATION** — Suitable for suspension by chain, cable, hook monopoint or pendant monopoint. Fixture should be mounted at a minimum plenum height of 18 inches.

**LISTING** — UL/C-UL listed to US and Canadian safety standards. Suitable for damp locations. NOM Certified (see Options).

**WARRANTY** — Guaranteed for one year against mechanical defect in manufacturing.

## ORDERING INFORMATION

For shortest lead times, configure product using **standard options (shown in bold)**.

Example: IB 432L

IB		Distribution		Voltage		Ballast		Lamps installed	
Series	Number of lamps/ wattage	(blank)		(blank)		(blank)		(blank)	
<b>IB I-BEAM</b>	<b>Lamps installed<sup>1</sup></b> <b>432L 4-Lamp, 32W, T8</b> <b>632L 6-Lamp, 32W, T8</b> <b>Unlamped</b> <b>432 4-Lamp, 32W, T8</b> <b>632 6-Lamp, 32W, T8</b>	<b>NDS</b>	<b>Narrow distribution with uplight</b>	(blank)	<b>MVOLT<sup>2</sup></b> 347 347V <sup>3</sup> 480 480V <sup>3</sup>	(blank)	<b>Instant start, 1.15-1.20 BF<sup>5</sup></b> <b>GEB10IS</b> Instant start, 0.88BF	(blank)	<b>F32T8/741</b> LP735 F32T8/735 LP730 F32T8/730
		<b>WD</b>	<b>Wide distribution with uplight</b>		<b>Ballast configuration</b>		<b>Options</b>		
		<b>WDS</b>	<b>Wide distribution, no uplight &lt;3%</b>		(blank) <b>Standard configuration<sup>4</sup></b> 2/3 Two, three-lamp ballasts 2/2 Two, two-lamp ballasts		EL14 Emergency battery pack (900 lumens) MSI Motion sensor pre-wired <sup>5,6</sup> OCS RELOC® OnePass® 5' installed <sup>5</sup> FSP Integral side panels NOM NOM Certified PMP Pendant monopoint <sup>7</sup> <i>Cords: See reverse.</i>		

### NOTES:

- Lamps installed are F32T8/741.
- 120-277 volt.
- Consult factory for available configurations.
- Ballast included:  
1.2bf: 6-lamp—two 3-lamp ballasts  
4-lamp—two 2-lamp ballasts  
.88bf: 6-lamp—single 4 + 2-lamp ballast  
4-lamp—single 4-lamp ballast
- Specify voltage.
- Use of programmed rapid start ballast recommended to avoid shortened lamp life.
- Fixture must be ordered with PMP for channel modification. Splice box ships separately. Requires two ballasts.

### Accessories

Order as a separate catalog number.

IBAC120	Aircraft cable 10' straight (one pair)
IBAC240	Aircraft cable 20' straight (one pair)
WGIBZ	Wireguard, zinc-coated
HC36	Chain hanger, 36"
IBHMP	Hook monopoint <sup>7</sup>
IBPMP	Pendant monopoint

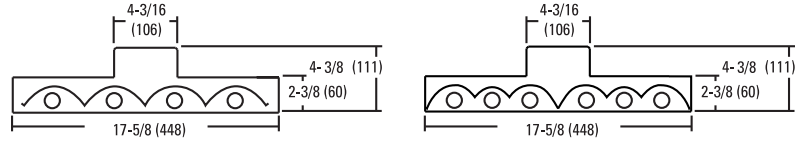
# I-BEAM Fluorescent High Bay, T8

## DIMENSIONS

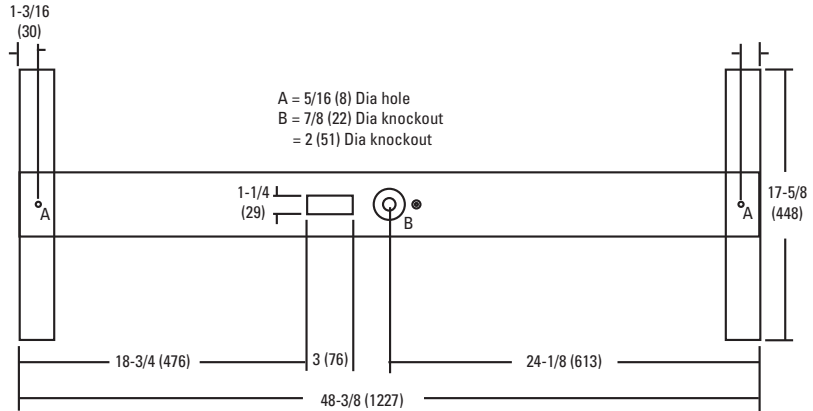
Inches (millimeters). Subject to change without notice.

### Cord Set Option:

Add suffix to end of catalog number, specify voltage.  
All cord sets are 6', black unless otherwise noted.  
Other configurations available, consult factory.



Suffix	Description
CS1	Straight plug, 120V
CS3	Twist lock, 120V
CS7	Straight plug, 277V
CS11	Twist-lock, 277V
CS25	Twist-lock, 347V
CS97	Twist-lock, 480V
CS93	600V SO white cord, no plug



## PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedure. Floor reflectances are 20%. Lamp configurations shown are typical. All data based on 25°C. Full photometric data on these and other configurations available upon request.

### IB 632 NDS

Report: LTL14071  
LUMENS PER LAMP 2950

RCR	Coefficients of Utilization											
	pf	20%			30%			50%				
		pc	80%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	110	110	110	103	103	103	98	98	98			
1	100	96	92	90	87	84	86	84	82			
2	91	84	77	79	74	70	76	72	68			
3	83	74	66	69	63	59	67	62	57			
4	76	65	57	62	55	50	60	54	49			
5	70	59	50	56	49	44	54	48	43			
6	65	53	45	50	43	38	49	43	38			
7	60	48	40	46	39	34	45	38	34			
8	56	44	36	42	35	31	41	35	30			
9	53	40	33	39	32	28	38	32	27			
10	50	37	30	36	30	25	35	29	25			

### IB 632

Report: LTL14068  
LUMENS PER LAMP 2950

RCR	Coefficients of Utilization											
	pf	20%			30%			50%				
		pc	80%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	109	109	109	100	100	100	95	95	95			
1	100	95	91	88	85	82	83	81	79			
2	91	83	77	77	72	68	73	69	66			
3	83	73	66	68	62	57	64	60	55			
4	76	65	57	60	54	49	58	52	48			
5	70	58	50	54	48	42	52	46	41			
6	65	52	44	49	42	37	47	41	37			
7	60	48	40	45	38	33	43	37	33			
8	56	44	36	41	34	30	39	34	29			
9	52	40	33	38	31	27	36	31	26			
10	49	37	30	35	29	24	34	28	24			

### IB 632 WDS

Report: LTL14070  
LUMENS PER LAMP 2950

RCR	Coefficients of Utilization											
	pf	20%			30%			50%				
		pc	80%	50%	30%	10%	50%	30%	10%	50%	30%	10%
0	105	105	105	98	98	98	93	93	93			
1	95	90	86	85	81	79	81	79	76			
2	86	78	72	73	68	64	70	66	62			
3	78	68	60	64	58	53	61	56	52			
4	71	60	52	56	50	45	54	49	44			
5	65	53	45	50	43	38	48	42	38			
6	60	48	40	45	38	33	44	38	33			
7	55	43	35	41	34	29	40	34	29			
8	52	39	32	37	31	26	36	30	26			
9	48	36	29	34	28	23	33	27	23			
10	45	33	26	32	25	21	31	25	21			

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	4784	27.0	29.3
0° - 40°	7632	43.1	46.7
0° - 60°	12831	72.5	78.5
0° - 90°	16343	92.3	100.0
90° - 180°	0	0.0	0.0
0° - 180°	16343	92.3	100.0

Zonal Lumen Summary		
Zone	Lumens	% Lamp % Fixture
0° - 30°	4533	25.6 27.6
0° - 40°	7226	40.8 44.0
0° - 60°	12174	68.8 74.2
0° - 90°	15480	87.5 94.3
90° - 180°	928	5.2 5.7
0° - 180°	16409	92.7 100.0

Zonal Lumen Summary		
Zone	Lumens	% Lamp % Fixture
0° - 30°	3802	21.5 24.5
0° - 40°	6320	35.7 40.7
0° - 60°	11620	65.7 74.7
0° - 90°	15546	87.8 100.0
90° - 180°	0	0.0 0.0
0° - 180°	15546	87.8 100.0



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