

FEATURES & SPECIFICATIONS

INTENDED USE—The compact I-BEAM® fluorescent high bay is an ideal one-for-one replacement of common metal halide high bay systems. The unique COOL RUNNING™ technology provides trouble-free operation in ambient spaces up to 65°C. Applications include manufacturing, warehousing, commercial facilities and retail. The fluorescent I-BEAM compact fixture performs at mounting heights from 15'-30'.

Certain chemicals that may exist in end-user locations release airborne contaminants that can impact the integrity and safety of key fixture components. Please refer to the environmental compatibility chart located in the Product Selection Guide and/or the company website to ensure that these chemical interactions are considered when selecting fixtures. For additional information please consult an authorized factory representative.

ATTRIBUTES — I-BEAM fixtures feature COOL RUNNING technology for ambient operation up to 65°C. Backed by a full five-year ballast warranty at 55°C, three-year ballast warranty at 65°C. Designed for optimum performance using T5HO fluorescent lamps. The I-BEAM compact 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 for aisles or wide distribution for general lighting. Typical arrangement provides over 90% luminaire efficiency. Available with four-lamp cross-section. Easy two-point mounting with convenient aircraft cable or other mounting options provides reliable installation, eliminates fixture sag and provides sturdy installation. Single-point mounting available (order IBHMP or IBPMP). Available in MVOLT (120-277V) or HVOLT (347-480V).

CONSTRUCTION — Channel is formed of heavy-duty code-gauge steel to stand up to the most demanding elements. 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 pre-treatment 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 Alano® Miro® 4 specular aluminum reflector. Provides 95% reflectivity and warranted for 25 years. Wide distribution (WD) includes high-reflectance white finish for general 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.

INSTALLATION — Suitable for suspension by chain, cable, hook monopoint, pendant monopoint or tong hanger.

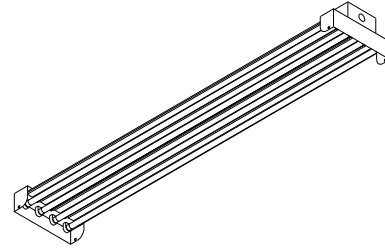
Catalog Number	
Notes	Type



**COMPACT
IBC**



3- or 4-lamp T5



PATENT PENDING

T5
Technology

Specifications

Length: 48-3/8 (1,227)

Width: 8-5/8 (220)

Depth: 4-3/8 (111)

Weight: 14 lbs (6.35kg)

All dimensions are inches (millimeters) unless otherwise specified.

LISTING — UL/C-UL listed to US and Canadian safety standards for ambient operation up to 65°C. Suitable for damp locations.

WARRANTY — Guaranteed for one year against mechanical defects in manufacturing. Ballast warranty: Five years when operated in 55°C or less ambient conditions, three years when operated in 65°C or less ambient conditions.

NOTE: Specifications subject to change without notice.

ORDERING INFORMATION

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

Example: IBC 454L

IBC		Distribution		Voltage		Ballast		Lamps installed		Options
Series	Number of lamps/wattage	(blank)	Narrow distribution with upright	(blank)	MVOLT (120V-277V) HVOLT (347V-480V)	(blank)	Program start, 1.0 BF	(blank)	F54T5HO/841	
IBC I-BEAM compact		WD	Wide distribution with upright					LP835	F54T5HO/835	EL14 Emergency battery pack (1400 lumens) ⁵ MSI Aisle motion sensor pre-wired ⁶ MSI360 360° Motion Sensor pre-wired ⁶ GLR Internal fast blow fusing ⁶ OCS Reloc® OnePass® 5' installed ⁶ FSP Integral side panels IBPMP Pendant monopoint splice box (3/4" hub) ^{3,7} BDP Ballast disconnect Cords: See reverse.
		NDS	Narrow distribution, no upright			Ballast configuration		LP830	F54T5HO/830	
		WDS	Wide distribution, no upright			(blank) Standard configuration²		LP865	F54T5HO/865	
						2/2 Two, two-lamp ballasts ³		<i>Amalgam lamps⁴</i>		
								LP841A	F54T5HO/841	
								LP835A	F54T5HO/835	
								LP830A	F54T5HO/830	
								LP850A	F54T5HO/850	

NOTES:

- Lamps installed are F54T5HO/841.
- Ballast included: 4-lamp = (1) 4-lamp ballast.
- Must specify 2/2 ballast configuration when ordering IBPMP.
- Not for use with motion sensors.
- UL Listed for 55°C. Output in emergency mode varies with ambient temperature (approx. 944 lumens at 25°C and 911 lumens at 45°C). Single-lamp operation only. Not available with HVOLT.
- Specify voltage.
- Should be ordered with fixture. Housing requires modification to attach splice box. Requires two ballasts. Not field-installable.

Accessories:

Order as a separate catalog number.

IBAC120	Aircraft cable 10' Y hanger (one pair)
IBAC240	Aircraft cable 20' Y hanger (one pair)
WGIBC	Wireguard
HC36	Chain hanger, 36"
IBHMP	Hook monopoint
IBPMP	Pendant monopoint splice box (3/4" hub) ⁷

I-BEAM Compact Fluorescent High Bay, T5

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. 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 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.

TEST NO: LTL16048
LUMINAIRE CATALOG NO.: IBC 454 NDS
LUMENS PER LAMP: 4400

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LUMINAIRE CATALOG NO.: IBC 454
LUMENS PER LAMP: 4400

RCR	pf	pc	Coefficients of Utilization										
			20%										
			80%		70%		50%						
			50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	110	110	110	107	107	107	103	103	103				
1	95	91	87	93	89	85	89	86	83				
2	82	76	70	81	75	69	77	72	68				
3	72	65	59	71	64	58	68	62	57				
4	64	56	50	63	55	49	61	54	49				
5	58	49	43	57	49	43	55	48	42				
6	52	44	38	51	43	38	49	42	37				
7	47	39	34	47	39	33	45	38	33				
8	43	35	30	43	35	30	41	35	30				
9	40	32	27	39	32	27	38	32	27				
10	37	30	25	36	29	25	35	29	25				

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			20%										
			80%		70%		50%						
			50%	30%	10%	50%	30%	10%	50%	30%	10%		
0	115	115	115	112	112	112	105	105	105				
1	99	94	90	96	92	88	91	87	84				
2	86	79	73	84	77	72	79	74	69				
3	75	67	61	73	66	60	70	63	58				
4	67	58	52	65	57	51	62	55	49				
5	60	51	45	58	50	44	56	48	43				
6	54	45	39	53	45	39	50	43	38				
7	49	41	35	48	40	34	46	39	33				
8	45	37	31	44	36	31	42	35	30				
9	41	33	28	40	33	28	39	32	27				
10	38	30	25	37	30	25	36	29	25				

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	4647.1	26.4	28.6
0° - 40°	7400.1	42.0	45.6
0° - 60°	12368.5	70.3	76.2
0° - 90°	16239.6	92.3	100.0
90° - 180°	0.0	0.0	0.0
0° - 180°	16239.6	92.3	100.0

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Fixture
0° - 30°	4525.4	25.7	26.3
0° - 40°	7244.2	41.2	42.1
0° - 60°	12135.8	69.0	70.5
0° - 90°	16124.6	91.6	93.7
90° - 180°	1092.5	6.2	6.3
0° - 180°	17217.1	97.8	100.0