## FEATURES \& SPECIFICATIONS

INTENDED USE - The 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 $65^{\circ} \mathrm{C}$. Applications include manufacturing, warehousing, commercial facilities and retail. The fluorescentl-BEAM fixture performs at mounting heights from $15^{\prime}-40^{\prime}$. Certain airborne contaminants can diminish integrity of acrylic. Click here for Acrylic Environmental Compatibility table for suitable uses.
CONSTRUCTION - I-BEAM fixtures features Cool Running Technology for ambient operation up to $65^{\circ} \mathrm{C}$. Backed by a full five-year ballast warranty at $55^{\circ} \mathrm{C}$, three-year ballast warranty at $65^{\circ} \mathrm{C}$. Designed for optimum performance using T 5 HO 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 for aisles 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 convenient aircraft cable provides reliable installation, eliminates fixture sag and provides sturdy installation. Single-point mounting available. Available in MVOLT ( $120-277 \mathrm{~V}$ ) or HVOLT ( $347-480 \mathrm{~V}$ ).
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 pretreatment ensures superior paint adhesion and rust resistance.
OPTICS - 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 or open areas.
ELECTRICAL—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.
INSTALLATION - Suitable for suspension by chain, cable, hook monopoint or pendant monopoint. Fixture should be mounted at a minimum plenum height of 18 inches.

| Catalog Number |  |
| :--- | :--- |
| Notes | Type |



Fluorescent High Bay
4-, 6- or 8-lamp T5


Patent Pending


Technology

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

LISTINGS - UL/C-UL listed to US and Canadian safety standards for ambient operation up to $65^{\circ} \mathrm{C}$. Suitable for damp locations. NOM Certified (see Options.)
WARRANTY - Guaranteed for one year against mechanical defects in manufacturing. Ballast warranty: Five years when operated in $55^{\circ} \mathrm{C}$ or less ambient conditions, three years when operated in $65^{\circ} \mathrm{C}$ or less ambient conditions. (Four- and six-lamp fixtures only.)

## ORDERING INFORMATION

For shortest lead times, configure product using standard options (shown in bold).
Example: IB 454L


## I-BEAM 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 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 $25^{\circ} \mathrm{C}$. Full photometric data on these and other configurations available upon request.

## IB 454

Report: LTL14006 LUMENS PER LAMP:4400

| Coefficients of Utilization |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| pf |  | 20\% |  |  |  |  |  |  |  |
| pc |  | 80\% |  | 50\% |  |  | 30\% |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 0 | 118 | 118 | 118 | 107 | 107 | 107 | 101 | 101 | 101 |
| 1 | 109 | 104 | 101 | 96 | 93 | 91 | 91 | 89 | 87 |
| 2 | 100 | 92 | 86 | 85 | 81 | 77 | 81 | 77 | 74 |
| 3 | 92 | 82 | 75 | 76 | 71 | 66 | 73 | 68 | 64 |
| ¢ 4 | 85 | 74 | 66 | 69 | 62 | 57 | 66 | 60 | 56 |
| - 5 | 78 | 67 | 59 | 62 | 56 | 51 | 60 | 54 | 50 |
| 6 | 73 | 61 | 53 | 57 | 50 | 45 | 55 | 49 | 44 |
| 7 | 68 | 56 | 48 | 52 | 46 | 41 | 51 | 45 | 40 |
| 8 | 64 | 51 | 43 | 49 | 42 | 37 | 47 | 41 | 37 |
| 9 | 60 | 48 | 40 | 45 | 39 | 34 | 44 | 38 | 33 |
| 10 | 57 | 44 | 37 | 42 | 36 | 31 | 41 | 35 | 31 |

Zonal Lumen Summary

| Zone | Lumens | \% Lamp | \% Fixture |
| :--- | :---: | :---: | :---: |
| $0^{\circ}-30^{\circ}$ | 6218 | 35.3 | 35.3 |
| $0^{\circ}-40^{\circ}$ | 9065 | 51.5 | 51.4 |
| $0^{\circ}-60^{\circ}$ | 13684 | 77.7 | 77.6 |
| $0^{\circ}-90^{\circ}$ | 16413 | 93.3 | 93.1 |
| $90^{\circ}-180^{\circ}$ | 1214 | 6.9 | 6.9 |
| $0^{\circ}-180^{\circ}$ | 17626 | 100.1 | 100.0 |

IB 454 WD
Report: LTL14005
LUMENS PER LAMP:4400

| Coefficients of Utilization |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| pf |  | 20\% |  |  |  |  |  |  |  |
| pc |  | 80\% |  |  | 50\% |  |  | 30\% |  |
| -pw 70\% 50\% 30\% 50\% 30\% 10\% 50\% 30\% 10\% |  |  |  |  |  |  |  |  |  |
| 0 | 110 | 110 | 110 | 100 | 100 | 100 | 94 | 94 | 94 |
| 1 | 100 | 96 | 92 | 88 | 85 | 82 | 83 | 80 | 78 |
| 2 | 91 | 83 | 77 | 76 | 71 | 67 | 72 | 68 | 64 |
| 3 | 83 | 73 | 65 | 67 | 61 | 56 | 63 | 58 | 54 |
| $\bigcirc$ | 75 | 64 | 56 | 59 | 52 | 47 | 56 | 50 | 46 |
| O5 | 69 | 57 | 49 | 53 | 46 | 40 | 50 | 44 | 39 |
| 6 | 64 | 51 | 43 | 47 | 40 | 35 | 45 | 39 | 34 |
| 7 | 59 | 46 | 38 | 43 | 36 | 31 | 41 | 35 | 30 |
| 8 | 55 | 42 | 34 | 39 | 32 | 28 | 37 | 31 | 27 |
| 9 | 51 | 39 | 31 | 36 | 29 | 25 | 34 | 29 | 24 |
| 10 | 48 | 36 | 28 | 33 | 27 | 22 | 32 | 26 | 22 |

## IB 654

Report: LTL14055
LUMENS PER LAMP:4400


| Zonal Lumen Summary <br> Lumens |  |  |  |
| :--- | :---: | :---: | :---: |
| Zone | Lamp | \% Fixture |  |
| $0^{\circ}-30^{\circ}$ | 8275 | 31.3 | 31.5 |
| $0^{\circ}-40^{\circ}$ | 12681 | 48.0 | 48.2 |
| $0^{\circ}-60^{\circ}$ | 20122 | 76.2 | 76.5 |
| $0^{\circ}-90^{\circ}$ | 25014 | 94.8 | 95.2 |
| $90^{\circ}-180^{\circ}$ | 1272 | 4.8 | 4.8 |
| $0^{\circ}-180^{\circ}$ | 26287 | 99.6 | 100.0 |

