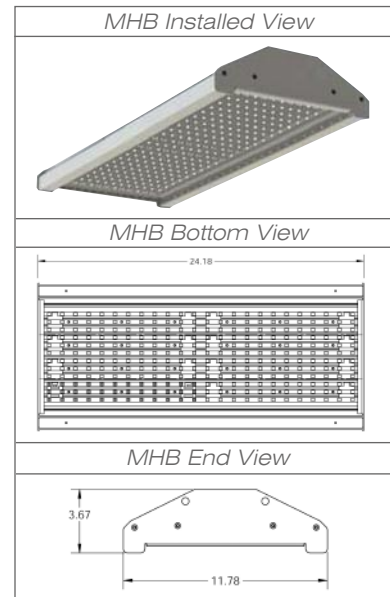


AEI's MODULAR HIGH-BAY HB Series LED fixtures are perfect for warehouse, production, manufacturing, distribution centers and other high-bay applications. The HB Series features exclusive scalability to enable perimeter area, task and heavily populated floor designs to be easily configured to avoid obstructions and maximize energy and maintenance savings.

# MODULAR HIGH-BAY HB Series

for WAREHOUSE, PRODUCTION & MANUFACTURING



### FEATURES

- AEI Linear LED Boards with Nichia Chips
- Made in the U.S.A.
- High lumen LED output with multiple lumen output options
- Available in multiple colors and finishes
- Rated for a wide range of operating temperatures from:  
-40°C to 55°C, -40°F to 131°F
- 5-Year warranty on all fixture components

### ELECTRICAL

- Universal input voltage 120-277 VAC, with an option for 347-480VAC
- Integral LED driver features 0-10 Volt dimming surge protection
- Integrated occupancy and daylighting control options offer additional savings without wiring. Consult AEI for your best option.

### LIGHT ENGINES

- AEI Linear LED modules (3000K, 3500K, 4000K & 5000K) provide consistent color, high CRI and superb lumen maintenance
- Available in 80W, 130W and 160W options
- L70 lifetime of >115,000 hours and an L80 lifetime of >71,000 hours when operating within specified temperatures
- Distributed array of LEDs are uniquely oriented to provide even lighting patterns for high-bay general area applications. Aisle and focus/task distribution options available.
- Different light packages available. Contact AEI for details.

### FINISH

- Five-stage durable polyester powder coat painted after fabrication
- Powder-coat finish protects housing from the most extreme environments
- Optional finishes for unique applications are available. Contact AEI or your sales representative.

### HOUSING & LENS

- Made in the U.S.A.
- Unique, heavy-duty all-aluminum, low-profile housing for years of trouble-free and worry-free illumination
- Fewer mounting and feed points reduces installation costs & increases design flexibility
- IP55 Rated
- Designed for superior heat dissipation to ensure unparalleled lumen maintenance and long usable life
- Exclusive modular, interchangeable end-cap options available for production of different light geometries (w/multiple fixture) in order to spread light in areas where wider distribution is required
- Variety of lens options available

### APPLICATIONS

- Warehouses and Distribution Centers
- Production and Processing Centers
- Manufacturing Facilities
- All High- & Low-Bay Applications



AEI LED MODULAR HIGH-BAY HB SERIES for WAREHOUSE / MANUFACTURING

# MODULAR HIGH-BAY HB Series

for WAREHOUSE, PRODUCTION & MANUFACTURING

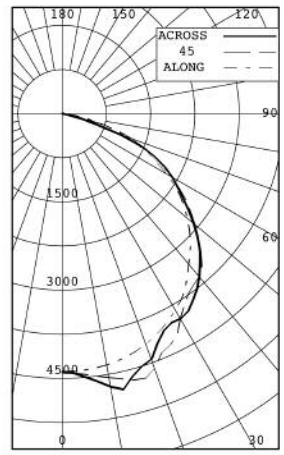


AEI LED MODULAR HIGH-BAY

HB SERIES for WAREHOUSE / MANUFACTURING

## PHOTOMETRY

MHB-18U-3-2LC-50-UNI (THREE (3) LED BOARDS)



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	4393	4393	4393	4393	4393	
5	4378	4406	4451	4486	4494	434
10	4341	4415	4556	4672	4716	
15	4274	4427	4690	4740	4624	1284
20	4165	4405	4603	4493	4438	
25	4022	4360	4340	4147	4075	1950
30	3848	4278	4009	3961	4020	
35	3633	3983	3729	3880	3866	2395
40	3335	3612	3615	3635	3615	
45	3075	3273	3326	3304	3302	2514
50	2768	2840	2939	2948	2912	
55	2440	2549	2563	2524	2497	2254
60	2042	2241	2131	2126	2154	
65	1611	1736	1641	1720	1731	1671
70	1183	1277	1274	1191	1063	
75	718	737	719	429	335	658
80	325	385	124	44	37	
85	84	54	25	26	25	67
90	0	0	0	0	0	

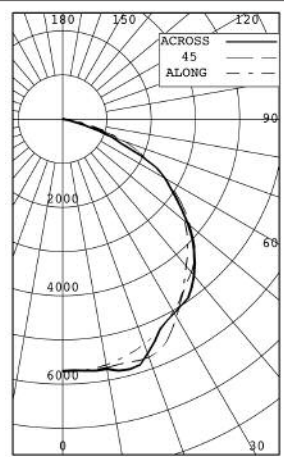
ZONAL LUMENS AND PERCENTAGES		
ZONE	LUMENS	% LUMINAIRE
0-30	3668	27.73
0-40	6063	45.84
0-60	10831	81.89
0-90	13227	100.00
40-90	7164	54.16
60-90	2396	18.11
90-180	0	0.00
0-180	13227	100.00

EFFICACY (LUMENS PER WATT): 101.7

\*\*\* THIS IS AN ABSOLUTE TEST \*\*\*

LUMINOUS LENGTH: 23.250 INS  
WIDTH: 8.375 INS

MHB-18U-4-2LC-50-UNI (FOUR (4) LED BOARDS)



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	5711	5711	5711	5711	5711	
5	5708	5698	5708	5728	5722	554
10	5655	5653	5715	5738	5745	
15	5549	5598	5695	5856	5867	1612
20	5415	5500	5735	5735	5635	
25	5253	5346	5562	5325	5231	2472
30	5014	5213	5157	5037	5062	
35	4741	5030	4763	4894	4943	3044
40	4337	4626	4525	4642	4616	
45	3996	4119	4246	4224	4193	3203
50	3607	3612	3756	3761	3694	
55	3176	3165	3247	3189	3136	2848
60	2648	2783	2678	2616	2668	
65	2085	2217	2055	2113	1945	2044
70	1526	1601	1518	1198	1186	
75	924	922	749	569	495	826
80	418	437	216	153	143	
85	109	76	41	40	38	95
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES		
ZONE	LUMENS	% LUMINAIRE
0-30	4638	27.77
0-40	7682	46.00
0-60	13734	82.24
0-90	16699	100.00
40-90	9017	54.00
60-90	2965	17.76
90-180	0	0.00
0-180	16699	100.00

EFFICACY (LUMENS PER WATT): 103.1

\*\*\* THIS IS AN ABSOLUTE TEST \*\*\*

LUMINOUS LENGTH: 23.250 INS  
WIDTH: 8.375 INS



## ORDERING GUIDE

Series	LEDs	Circuit Row / Length	CCT	Voltage	Optical	Mounting	Options	Finish
<b>MHB</b>	18U = 18UP	2-2LC = 2 ROWS, 2 CIRC (80W) 3-2LC = 3 ROWS, 2 CIRC (130W) 4-2LC = 4 ROWS, 2 CIRC (160W)	30K=3000K 35K=3500K 40K=4000K 50=5000K <b>Leave Blank if No Lamps</b> Consult Factory For Custom Applications and Ordering Number	UNI=108-305 VAC 347=347 VAC 480=480 VAC	TV=TYPE V FR=Frosted CL=Clear Acrylic PC=Polycarbonate AF=90° 60° 30° Focusing Consult Factory For Other Options	CAB=Cable PEN=Pendant STR=Strut Consult Factory For Other Mounting Options	OS=Occupancy Sensor PS=Daylight/Photo Sensor PD=0-10V Dimming Consult Factory For Sensor Options <b>OTHER</b> Consult Factory For Custom Applications and Ordering Number	WG/WM=White Gloss / White Matte BLG/BLM=Black Gloss / Black Matte BRG/BRM=Bronze Gloss / Bronze Matte BA=Bare Aluminum SA=Sandblasted Aluminum

**5-YEAR LIMITED WARRANTY**  
VISIT [AEILighting.com](http://AEILighting.com) for Details  
**480-733-6594**

