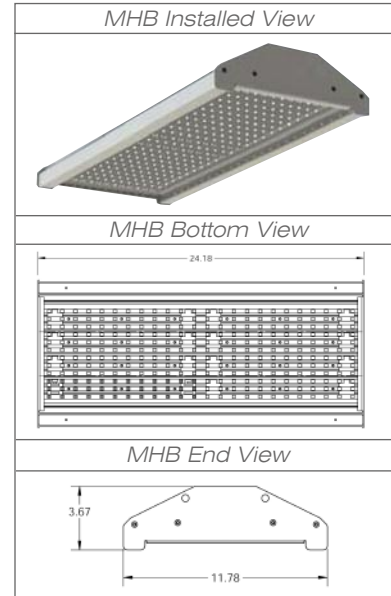


AEI's MODULAR HIGH-BAY HB Series LED fixtures are perfect for warehouse, production, manufacturing, distribution centers and other high-bay applications. The HB Series features exclusive scalability to enable perimeter area, task and heavily populated floor designs to be easily configured to avoid obstructions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

MODULAR HIGH-BAY HB Series

for WAREHOUSE, PRODUCTION & MANUFACTURING



FEATURES

- OSRAM Distributed Array Gen II LED Modules
- 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
- Utilizes OSRAM's Optotronic LED driver, with factory set option of 3 wattage output levels per section. Consult your AEI representative for details.
- Integrated occupancy and daylighting control options offer additional savings without wiring. Consult AEI for your best option.

LIGHT ENGINES

- OSRAM LED modules (3000K, 3500K, 4000K & 5000K) provide consistent color, high CRI and superb lumen maintenance
- Lumens per module or section:
 - 9027 lumens for the MHB-93 Watt
 - Switchable driver for 50% & 70% output
- 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.
- Light output packages available range from 4,400 to over 27,000. Contact AEI for details.

APPLICATIONS

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

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

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.



AEI LIGHTING

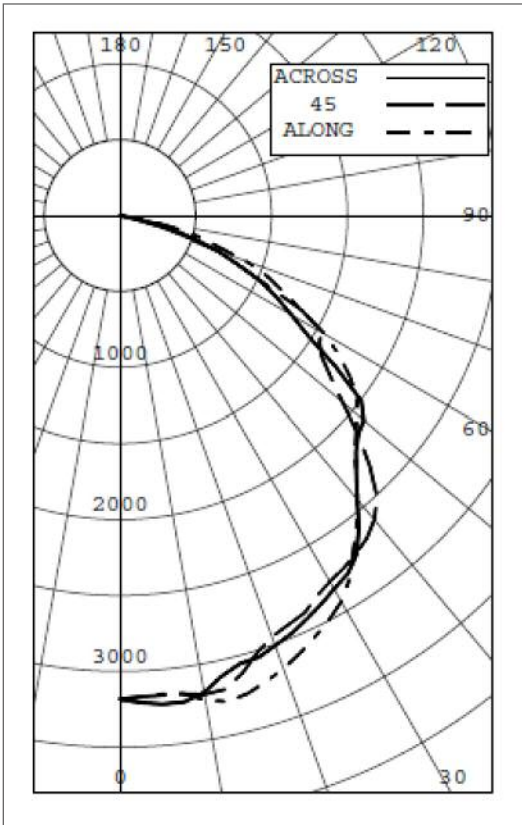
MODULAR HIGH-BAY HB Series

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PHOTOMETRY

93W MHB Fixture



INTENSITY (CANDLEPOWER) SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	3183	3183	3183	3183	3183	
5	3162	3161	3170	3198	3228	309
10	3239	3233	3202	3162	3190	
15	3258	3304	3120	3028	3054	887
20	3169	3153	2946	2998	3008	
25	3053	2971	2884	2949	2925	1357
30	2927	2759	2775	2922	2832	
35	2684	2546	2714	2845	2720	1679
40	2434	2358	2609	2527	2433	
45	2194	2154	2329	2179	2199	1716
50	2040	1971	1919	2052	2099	
55	1849	1814	1626	1905	1732	1574
60	1559	1577	1533	1318	1304	
65	1185	1122	1041	1009	1024	1069
70	892	748	695	669	693	
75	546	441	381	329	287	413
80	196	158	82	20	18	
85	20	11	2	1	1	23
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES		
ZONE	LUMENS	% LUMINAIRE
0-30	2553	28.28
0-40	4232	46.88
0-60	7521	83.32
0-90	9027	100.00
40-90	4795	53.12
60-90	1505	16.68
90-180	0	0.00
0-180	9027	100.00

EFFICACY (LUMENS PER WATT): 96.6

*** THIS IS AN ABSOLUTE TEST ***

LUMINOUS LENGTH: 23.250 INS
WIDTH: 9.500 INS

S/MH: 1.3
SC: 1.3

AVERAGE LUMINANCE DATA						
CD./SQ.-M (FOOTLAMBERTS)						
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	22337(6519)	22337(6519)	22337(6519)	22337(6519)	22337(6519)	22337(6519)
30	23719(6922)	22419(6543)	22542(6579)	23738(6928)	22949(6698)	
40	22297(6507)	21657(6321)	23919(6981)	23212(6774)	22289(6505)	
45	21778(6356)	21408(6248)	23205(6772)	21690(6330)	21901(6392)	
50	22274(6501)	21601(6304)	20950(6114)	22465(6556)	22910(6686)	
55	22617(6601)	22231(6488)	19963(5826)	23382(6824)	21270(6208)	
60	21873(6384)	22209(6482)	21536(6285)	18546(5413)	18296(5340)	
65	19681(5744)	18650(5443)	17344(5062)	16799(4903)	17067(4981)	
70	18311(5344)	15407(4496)	14302(4174)	13764(4017)	14212(4148)	
75	14802(4320)	12004(3503)	10346(3019)	8956(2614)	7801(2277)	
80	7937(2316)	6415(1872)	3318(968)	823(240)	711(207)	
85	1586(462)	896(261)	125(36)	72(21)	52(15)	



ORDERING GUIDE

Series	LEDs	Drive Current/Wattage	CCT	Voltage	Optical	Mounting	Options	Finish
MHB	<p>LEDs</p> <p>8DA=Single 16DA=Tandem 24DA=Triple</p>	<p>DRIVE CURRENT / WATTAGE</p> <p>93W = 93 watts per module</p>	<p>CCT/LAMP COLOR</p> <p>30K=3000K 35K=3500K 40K=4000K 50=5000K</p> <p>Leave Blank If No Lamps</p> <p>Consult Factory For Custom Applications and Ordering Number</p>	<p>VOLTAGE</p> <p>UNI=108-305 VAC 347=347 VAC 480=480 VAC</p>	<p>OPTICAL</p> <p>TV=TYPE V WD=Wide Distribution (Tandem & Triple) FR=Frosted CL=Clear PC=Polycarbonate AF=90°, 60° & 30° Focusing</p>	<p>MOUNTING</p> <p>CAB=Cable PEN=Pendant STR=Strut</p> <p>Consult Factory For Other Mounting Options</p>	<p>SENSORS</p> <p>OC=Occupancy Sensor PS=Daylight/Photo Sensor PD=0-10V Dimming</p> <p>Consult Factory For Sensor Options</p> <p>OTHER</p> <p>Consult Factory For Custom Applications and Ordering Number</p>	<p>FINISH</p> <p>GW/WHT=White Gloss / White Matte BLG/BLM=Black Gloss / Black Matte BRG/BRW=Bronze Gloss / Bronze Matte BA=Bare Aluminum SA=Sandblasted Aluminum</p>

5-YEAR LIMITED WARRANTY
VISIT AEILighting.com for Details
480-733-6594



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