BAYMAX

INDUSTRIAL FIXTURES

Round High bay

BAYMAX is an industrial leading LED High/Low Bay luminaire that can replace MH fixtures up to 400W with as low as 7 lbs weight. With the elegant outlook and glare free (UGR<19) design. BAYMAX high bay fixtures are suitable for both commercial and industrial lighting applications. Thanks to Aeralux's advanced programmable driver, the lumen output can be adjusted to achieve constant light output.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277V
Power factor 0.9
Total harmonic distortion (THD) <20%
Dimming 0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt 137-140 LPW at 80CRI
Power 85, 130, 160W
Beam angle 120˚ beam angle

MECHANICAL & HOUSING

Housing Machined die cast aluminum
Lens Highly durable polycarbonate lens ensures high efficiency light output for a clean, evenly illuminated surface with minimal glare. High transmittance lens allowing for a smooth, diffused light pattern.
Finish White
Power Supply Factory wired electronic LED driver
LED Board Light emitted source

APPLICATION CONDITION

Ambient temperature range -40 to 40°C
Protection IP20

COMPATIBLE MOUNTING

Mounting Suspended mount, ¾" pole mount

WARRANTY

System warranty 5 years
Lumen maintenance Rated for 70% initial lumen output at 100,000 hours of operation, operated at 25˚C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L70 at 100,000 hours)

ORDERING GUIDE

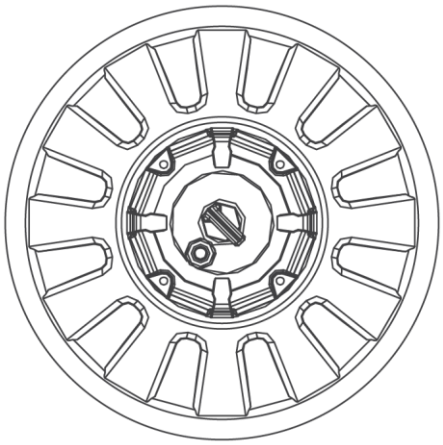
EXAMPLE: AE-IL-BMUV08550010WH

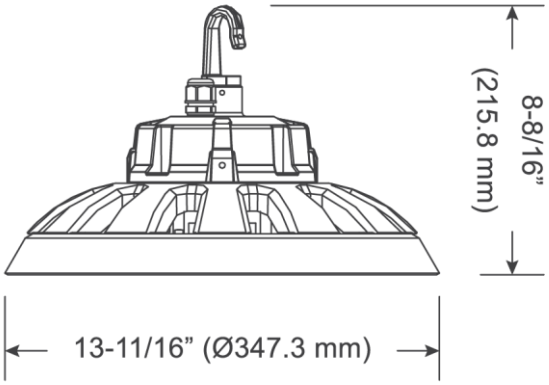
AE-IL-BM	UV	085	50	010	WH
FIXTURE FAMILY	VOLTAGE	POWER	CCT	CONTROLS	FINISH
AE-IL-BM Aeralux industrial Baymax fixtures round high bay	**UV** 120-277Vac input voltage range	**085** 85 watts:12,000 lumens	**40** 4000K CCT	**010** 0-10V external dimming down to 10%	**WH** White finish
		130 130 watts: 18,000 lumens	**50** 5000K CCT		
		160 160 watts: 21,500 lumens			

IP20 c UL us RoHS

PRODUCT DIMENSIONS

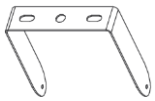
AE-IL-AHUV1L2





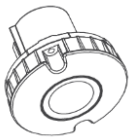
ACCESSORIES

U-bracket



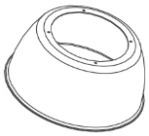
Occupancy Sensor

DC Controller

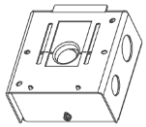


Diffuser

Reflector



Junction Box



LUMEN ESTIMATE

Lumen output varies based on CCT and CRI. An estimate of lumen output of the various CCT/CRI combinations, use correction factors as per table below:

Lumen estimate adjustment factors				
CCT	2700K	3000K	3500K	4000K
NORMAL (80CRI)	0.91	0.94	0.97	1

PHOTOMETRIC DATA

AE-IL-BMXX08540XXXXX

Coefficients of utilization

Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
0	119	119	119	119	116	116	111	111	106	106	100
1	111	108	104	102	106	100	101	97	98	94	89
2	103	97	91	86	95	85	91	83	88	82	78
3	95	86	80	74	85	74	82	72	80	71	68
4	88	78	70	64	76	64	74	63	72	62	59
5	81	70	62	56	69	56	67	55	65	55	52
6	75	63	55	49	62	49	61	49	59	48	46
7	70	58	49	44	57	44	55	43	54	43	41
8	65	52	45	39	52	39	51	39	49	39	37
9	61	48	40	35	48	35	46	35	45	35	33
10	57	44	37	32	44	32	43	32	42	32	30

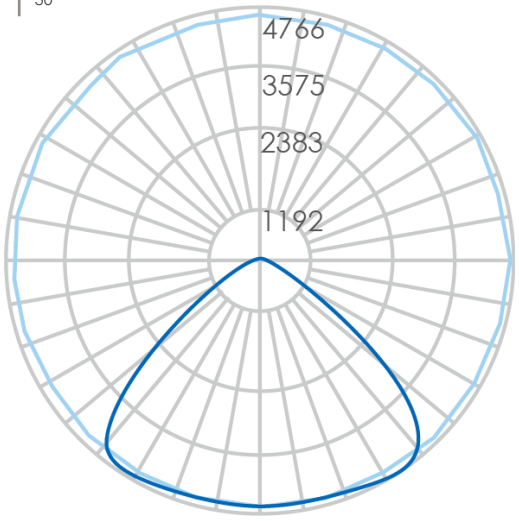
Room Cavity Ratio

Luminance data

Angle	0°	45°	90°
45°	37374	38462	39281
55°	17291	17437	17306
65°	5253	5509	5559
75°	636	604	613
85°	61	63	54

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	442.4	90-100	0
10-20	1308.82	100-110	0
20-30	2144.6	110-120	0
30-40	2944.18	120-130	0
40-50	3010.6	130-140	0
50-60	1589.52	140-150	0
60-70	508.25	150-160	0
70-80	52.74	160-170	0
80-90	8.03	170-180	0



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