



LUMINA

INDUSTRIAL FIXTURES

Round high bay



The Lumina Series industrial luminaire is made of robust materials that can withstand tough environments. Additionally, it is rated for NSF Level 1 and can be used in food manufacturing environments. Its high lumen efficacy and various power and CCT variations allow it to stand out. The Lumina series comes standard with IP65, IK08 and NSF ratings making it the prime solution for harsh conditions environment.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 100-277V, 200-480V

Power factor 0.9

Total harmonic distortion (THD) <20%

Dimming 1-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt ~155-160 LPW at 80CRI

Power 100, 150, 200, 240, 320, 480W

Beam angle 60°, 90°, 120°

MECHANICAL & HOUSING

Housing Unique cold forged magnesium aluminum alloy for superior heat dissipation, strength, and rigidity.

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. Glass lens available

Finish

Power Supply Black
Factory wired electronic LED driver

LED Board Light emitted source

APPLICATION CONDITION

Ambient temperature range -40 to 50°C
Protection IP65 rated, IK10 impact protection

COMPATIBLE MOUNTING

Mounting Suspended, ¾" NPT pole (with adapter)

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-LM320W-840-UV-G(120)-D

AE-IL-LM	320W-	8	40-	UV-	G(120)-	D
FIXTURE FAMILY	POWER *	CRI	CCT	VOLTAGE	BEAM ANGLE*	DIMMING
AE-IL-LM Aeralux Lumina industrial fixtures round high bay	100W- 100 Watts: 16,000 lumens	8 Normal 80 CRI	30- 3000K CCT	UV- 100-277Vac input voltage range	G(60)- 60° beam angle	D 0-10V external dimming down to 10%
	150W- 150 Watts: 24,000 lumens		35- 3500K CCT			
	200W- 200 Watts: 32,000 lumens		40- 4000K CCT	HV- 200-480Vac input voltage range	G(90)- 90° beam angle	
	240W- 240 Watts: 38,400 lumens					
	320W- 320 Watts: 49,600 lumens				G(120)- 120° beam angle	
	480W- 480 Watts: 76,800 lumens					

*100W HV, 150W HV, 240 HV

* 200W, 320W & 480W (Both UV and HV)

- are only available in 120° glass lens beam angles.



IK 08

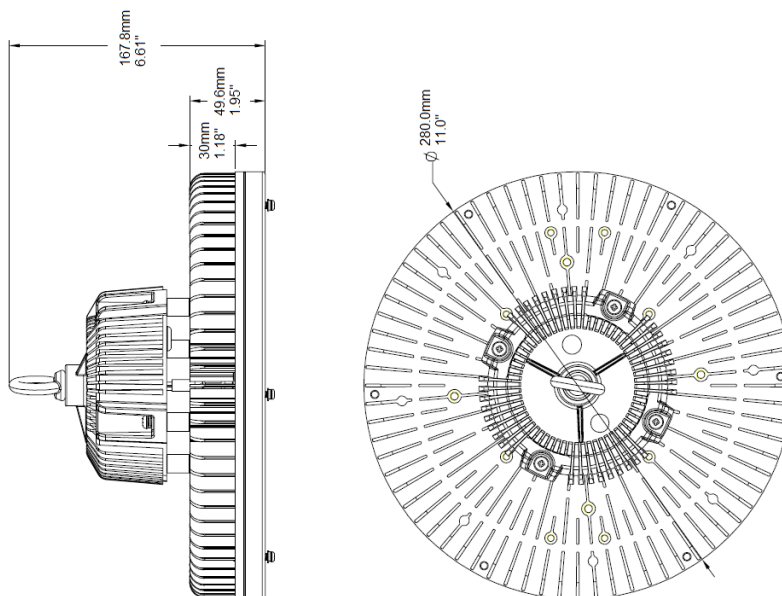
IP 65



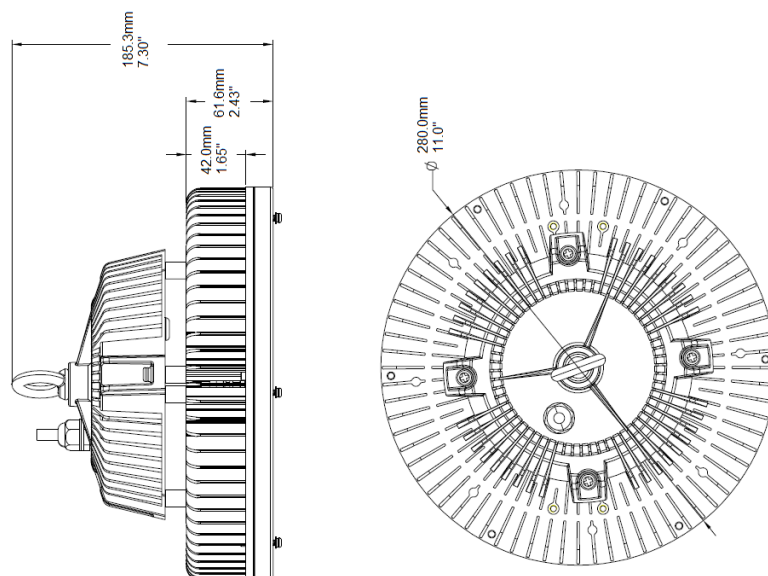
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PRODUCT DIMENSIONS

AE-IL-LM100W-NXX-UV, AE-IL-LM150W-RXX-UV

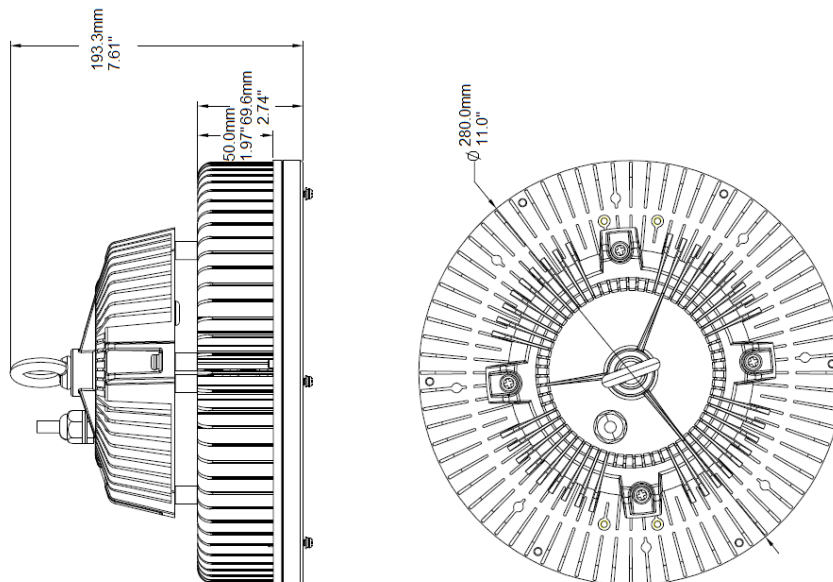


AE-IL-DM200W-RXX-UV

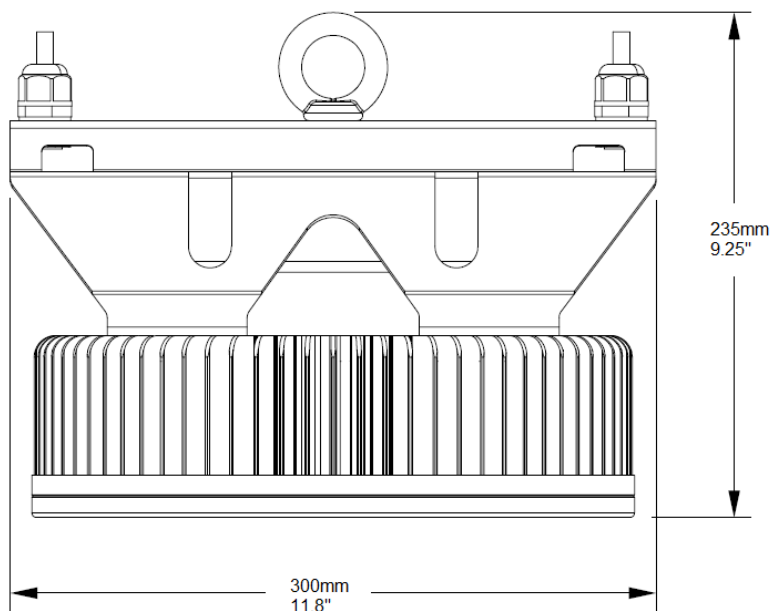


PRODUCT DIMENSIONS

AE-IL-LM240W-RXX-UV

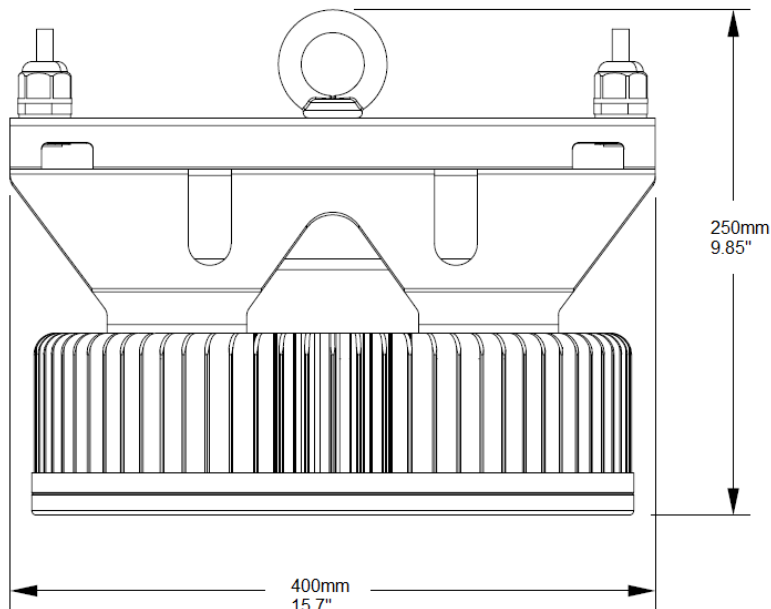


AE-IL-LM320W-RXX-UV



PRODUCT DIMENSIONS

AE-IL-DM480W-RXX-UV



ACCESSORIES

Ordered separately, field installed

POLE MOUNT ADAPTER

AE-IL-PT-POLEMOUNT

3/4" NPT pole mount adapter (M10 screw) – black finish

WIRE GUARD

AE-IL-LM-WG

Wire guard

REFLECTOR

AE-IL-LM-RFL-ALU-60

AE-IL-LM-RFL-ALU-90

AE-IL-LM-RFL-PC-70

60° aluminum reflector
90° aluminum reflector
70° polycarbonate reflector for up light reflection

BOTTOM LENS

AE-IL-LM-BL

Bottom lens kit

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-LM480W-R40-UV-G(120)-1264-D

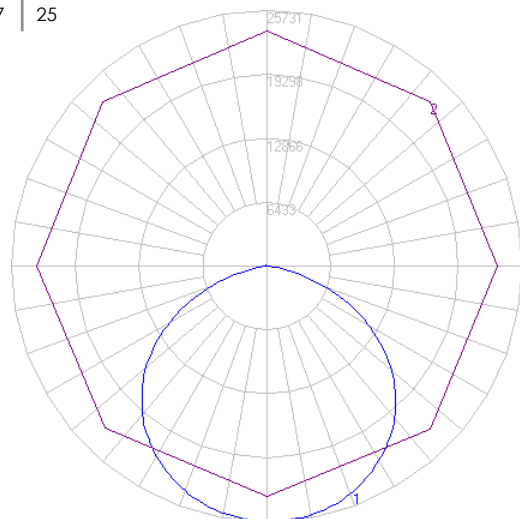
Coefficients of utilization											
Ceiling	80%				70%		50%		30%		0%
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0
RCR	Zonal Cavity Method – Effective floor reflectance = 20%										
Room Cavity Ratio	119	119	119	119	116	116	111	111	106	106	99
	109	105	101	97	103	96	98	93	94	90	85
	100	92	85	80	90	79	86	77	83	75	71
	91	81	73	66	79	66	76	65	73	63	60
	83	72	63	56	70	56	68	55	65	54	51
	77	64	55	48	63	48	61	48	59	47	44
	71	57	49	42	56	42	55	42	53	41	39
	65	52	43	37	51	37	50	37	48	36	34
	61	47	39	33	47	33	45	33	44	33	30
	57	43	35	30	43	30	42	30	41	29	27
10	53	40	32	27	40	27	39	27	38	27	25

Luminance data

Angle	0°	45°	90°
45°	1274695	1287318	1308374
55°	1204593	1221720	1245648
65°	1047559	1067004	1095918
75°	664716	687411	711483
85°	106165	108574	123661

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	2424.95	90-100	20.13
10-20	6997.65	100-110	34.73
20-30	10741.14	110-120	50.03
30-40	13174.8	120-130	61.69
40-50	13840.03	130-140	66.78
50-60	12321.14	140-150	63.76
60-70	8711.08	150-160	53.15
70-80	3747.87	160-170	35.91
80-90	411.08	170-180	12.89



DLC MODELS

AE-IL-LM100W-N50-HV-120-112-0-10	PLU5LVIAI4KH
AE-IL-LM150W-N40-HV-120-168-0-10	PL2LWPZF9I6K
AE-IL-LM200W-N50-HV-120-224-0-10	PLP04FYJA5Z6
AE-IL-LM240W-N50-UV-60-264-0-10	PL8QK7PLQTQI
AE-IL-LM100W-N50-UV-60-112-0-10	PLVBO29FITAQ
AE-IL-LM320W-N40-UV-120-784-0-10	PLUU1N38YQYI
AE-IL-LM150W-N50-UV-120-0-10	PL0J4SMFHXXM
AE-IL-LM100W-N40-HV-120-112-0-10	PL4Q3Z358C7I
AE-IL-LM200W-N40-HV-120-224-0-10	PLO2CKWHG0GI
AE-IL-LM240W-N40-UV-90-264-0-10	PL06Z2P2KT5T
AE-IL-LM200W-N40-UV-120-224-0-10	PLBV20LPPC17
AE-IL-LM150W-N50-UV-60-168-0-10	PL31JAQWQB6H
AE-IL-LM240W-N50-UV-90-264-0-10	PLLJPMIFY02L
AE-IL-LM480W-N40-UV-120-736-0-10	PLNRJNBP4EBM
AE-IL-LM480W-N50-UV-120-1264-0-10	PL06N9A4GR03
AE-IL-LM150W-N40-UV-120-168-0-10	PLO3JIG1VR4Z
AE-IL-LM200W-N50-UV-120-224-0-10	PLQTN7YJILJN
AE-IL-LM150W-N50-UV-90-168-0-10	PLUIVYW7XAL5
AE-IL-LM320W-N40-HV-120-784-0-10	PLJH0COS33OQ
AE-IL-LM480W-N50-UV-120-736-0-10	PLFT5MJ4SSDY
AE-IL-LM480W-N50-HV-120-1264-0-10	PLN1CBNLR9AK
AE-IL-LM240W-N40-UV-120-264-0-10	PLBTSPV4UQGV
AE-IL-LM100W-N40-UV-120-112-0-10	PLKZZRELHXDS
AE-IL-LM200W-N40-UV-120-0-10	PLK3391PV7F8
AE-IL-LM320W-N50-HV-120-784-0-10	PLP5W3431H88
AE-IL-LM240W-N40-HV-120-0-10	PL2DSFL78L9T
AE-IL-LM480W-N40-HV-120-736-0-10	PLEGYUCMWHAJ
AE-IL-LM320W-N50-UV-120-784-0-10	PLL9E62WVIVS
AE-IL-LM480W-N50-HV-120-736-0-10	PL3YYBEBJQIA
AE-IL-LM150W-N50-HV-120-168-0-10	PLCTNL30CB2V
AE-IL-LM480W-N40-HV-120-1264-0-10	PLG7CNT6VZHA
AE-IL-LM100W-N40-UV-90-112-0-10	PLVJVG5XOTY5
AE-IL-LM150W-N40-UV-120-0-10	PLIOOVPKH98I
AE-IL-LM100W-N40-UV-60-112-0-10	PLYMFR8K349V
AE-IL-LM150W-N40-UV-90-168-0-10	PLEKXIVYDDSN
AE-IL-LM240W-N40-UV-60-264-0-10	PLV0IQKUOP2E
AE-IL-LM100W-N50-UV-90-112-0-10	PLOJRQXK3J6W
AE-IL-LM150W-N50-UV-120-168-0-10	PLV1Q02DBC1J
AE-IL-LM100W-N50-UV-120-112-0-10	PL7PR0TJXS18
AE-IL-LM240W-N50-UV-120-264-0-10	PLCFDX6S6LHP
AE-IL-LM480W-N40-UV-120-1264-0-10	PLVKP3Q70V78
AE-IL-LM240W-N50-HV-120-0-10	PLD5ZHWTI2CS
AE-IL-LM150W-N40-UV-60-168-0-10	PLYXGHMABMA9
AE-IL-LM200W-N50-UV-120-0-10	PL6ZDJROA6CS



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INDUSTRIAL FIXTURES

Round high bay

MULTIPLE ACCESSORIES

Hook or 3/4" NPT pole mount options, and multiple reflector styles available



PROTECTION

IP65 protection from low-pressure water jets
IK08 rated against impacts



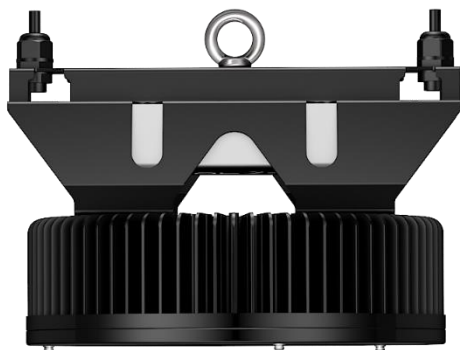
PREMIUM MATERIALS

Constructed from cold-forged aluminum which enables superior thermal management while providing increased structural strength



ROBUST INDUSTRIAL APPLICATIONS

Power options ranging up to 480 watts and 76,800 lumens with multiple input voltage ranges up to 480V allows for wide jobsite flexibility



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