



ODESSAN

INDUSTRIAL FIXTURES

Round high bay



The ODESSAN series is uniquely designed to provide excellent efficacy and performance in LPW. The lumens package ranges from 13,000 up to 26,000 lumens at 80 CRI. The ODESSAN series is available in both black and white finish enabling you to enhance your warehouses, grocery stores, gyms and other potential locations. This product comes standard with a 10 feet power cord.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277V, 277-480V

Power factor 0.9

Total harmonic distortion (THD) <20%

Dimming 0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt 130 LPW at 80CRI

Power 100, 150, 200W

Beam angle 120°

MECHANICAL & HOUSING

Housing Die cast

Lens Highly durable tempered glass 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.

driver

LED Board

Light emitted source

APPLICATION CONDITION

Ambient temperature range -40 to 50°C

Protection IP65 rated, NSF Level 1 rated

COMPATIBLE MOUNTING

Mounting Suspended, 3/4" NPT pole (with adapter)

WARRANTY

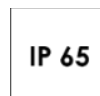
System warranty 5 years

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-ON100W-HS-40-120G-112-D80-BK

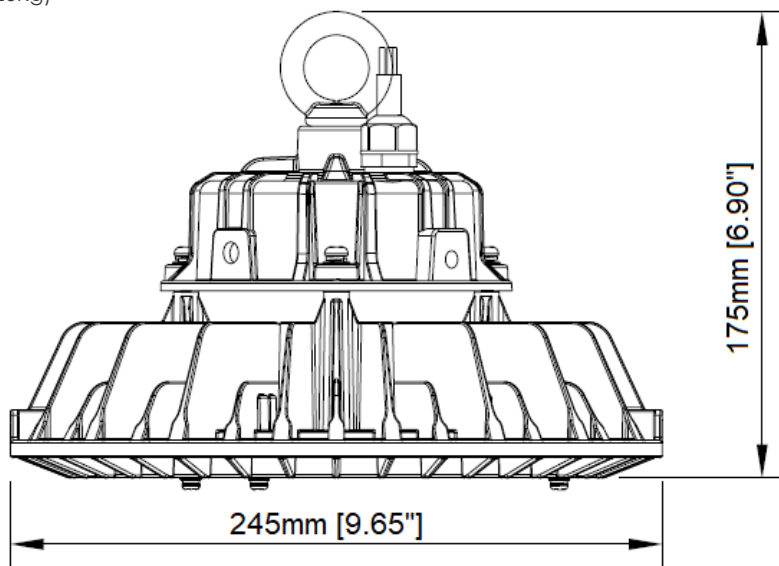
AE-IL-ON	100W	-HS	-40	-120G	-112	-D	80	-BK
FIXTURE FAMILY	POWER	VOLTAGE	CCT	BEAM ANGLE	LED CODE	CONTROLS	CRI	FINISH
AE-IL-ON Aeralux industrial fixtures Odessan Series round high bay	100W 100 Watts: 13,000 lumens	-HS 277-480Vac input voltage range	-35 3500K CCT	-120G 120° beam angle	-112 112 LED code	-D 0-10V external dimming down to 10%	80 Normal 80 CRI	-BK Black finish
	150W 150 Watts: 19,500 lumens		-40 4000K CCT		-168 168 LED code			-WH White finish
	200W 200 Watts: 26,000 lumens		-50 5000K CCT		-224 224 LED code			



PRODUCT DIMENSIONS

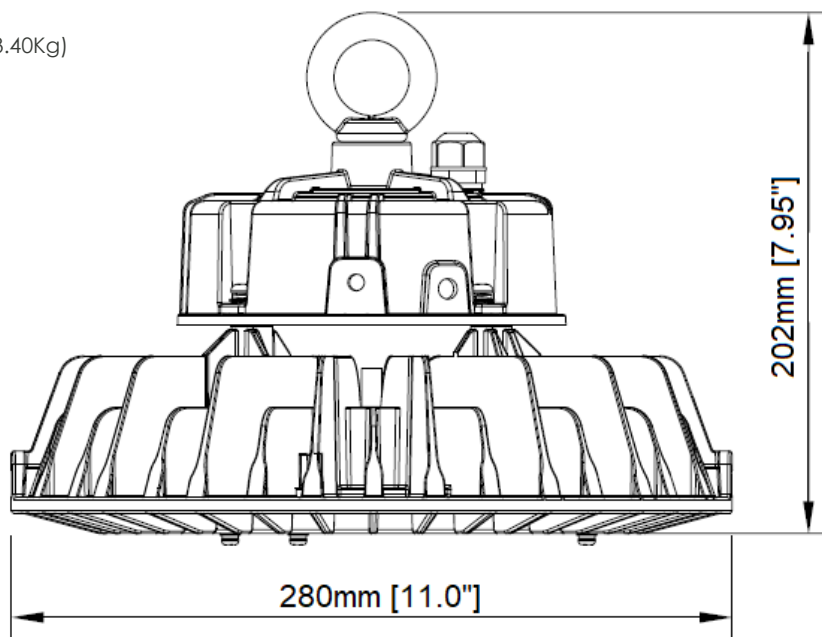
AE-IL-ON100W

Weight: 5lbs (2.26Kg)



AE-IL-ON150W

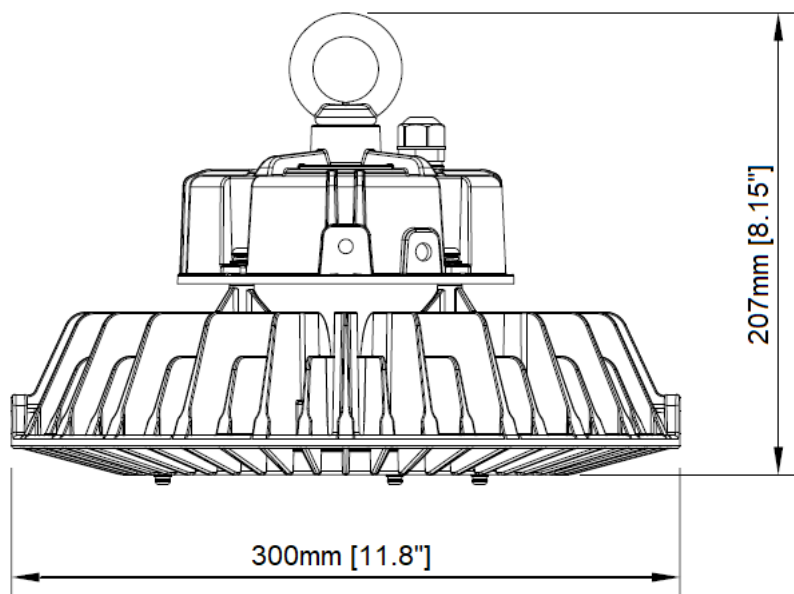
Weight: 7.5lbs (3.40Kg)



PRODUCT DIMENSIONS

AE-IL-ON200W

Weight: 10lbs (4.53Kg)



ACCESSORIES

Ordered separately, field installed

POLE MOUNT ADAPTER

AE-IL-PT-POLEMOUNT

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

REFLECTOR

AE-IL-PT-RFL-ALU-60

AE-IL-PT-RFL-ALU-90

AE-IL-PT-RFL-PC-70

60° aluminum reflector

90° aluminum reflector

70° polycarbonate reflector

SUSPENSION WIRE

GI-16XC24-CC-TG-120

Aircraft suspension cable for weights up to 10Kg (22lbs)

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

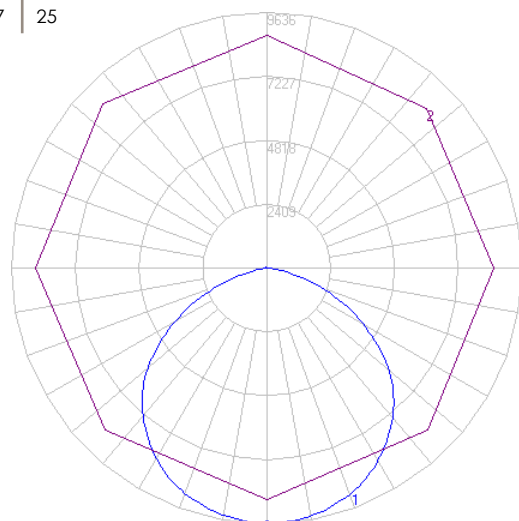
PHOTOMETRIC DATA

AE-IL-ON200-UC-50-120G-224-D80-XX

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
	110	105	101	98	103	96	99	93	95	90	85
	100	92	86	80	90	79	87	78	83	76	72
	91	81	74	67	80	67	77	65	74	64	61
	84	72	64	57	71	57	68	56	66	55	52
	77	64	56	49	63	49	61	48	59	48	45
	71	58	49	43	57	43	55	42	53	42	39
	66	53	44	38	52	38	50	37	49	37	35
	61	48	40	34	47	34	46	33	45	33	31
	57	44	36	30	43	30	42	30	41	30	28
54	41	33	28	40	27	39	27	38	27	25	

Luminance data			
Angle	0°	45°	90°
45°	461120	460940	481659
55°	421404	423363	450620
65°	350692	351813	383870
75°	200309	204917	235779
85°	24531	24375	38879

Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	902.66	90-100	6.91
10-20	2602.28	100-110	12.61
20-30	3994.47	110-120	18.67
30-40	4875.04	120-130	23.39
40-50	5104.15	130-140	25.73
50-60	4437.19	140-150	24.9
60-70	3011.92	150-160	20.94
70-80	1199.78	160-170	14.15
80-90	112.62	170-180	5.08





MOUNTING

Multiple mounting methods such as suspended/hook, U-bracket, or even 3/4" NPT pole mounting options



PREMIUM MATERIALS

Constructed from cold-forged aluminum provides superior thermal management while ensuring excellent structural rigidity

PROTECTION

IP65 rated against low-pressure water jets



MULTIPLE FINISH OPTIONS

Black and white standard finish options or inquire about a custom finish for your job



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