



MOONRAKER

LINEAR FIXTURES

LED linear wraparound fixture



The MOONRAKER series is the economical replacement for linear fixtures. They are available in 4 and 8 feet and are designed to meet installation needs for both surface mount or continuous linear runs, using BX cables. Furthermore, this luminaire offers a performance above 100 LPW.

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 105 LPW at 80CRI
Power 48, 96W
Distribution Lambertian

MECHANICAL & HOUSING

Housing 22-gauge painted sheet metal for increased rigidity and strength

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 -10 to 45°C

COMPATIBLE MOUNTING

Mounting Surface

WARRANTY

System warranty 5 years
Lumen maintenance Rated for 85% initial lumen output at 50,000 hours of operation, operated at 25°C ambient temperature; per guidelines published by the Illuminating Engineering Society (IES). (L85 at 50,000 hours)

ORDERING GUIDE

EXAMPLE: AE-SF-MRUV-8-48W-N50-010-WH

AE-SF-MR	UV-	4-	48W-	N50-	010-	WH
FIXTURE FAMILY	VOLTAGE	SIZE	POWER	CCT	Controls	Finish
AE-SF-MR Aeralux linear wraparound fixture	UV- 120V-277Vac input voltage range	4- 4 feet length	48W- 48 Watts; 5,000 lumens	N35- 3500K CCT	010- 0-10V external dimming down to 10%	WH White finish
				N40- 4000K CCT		
				N50- 5000K CCT		





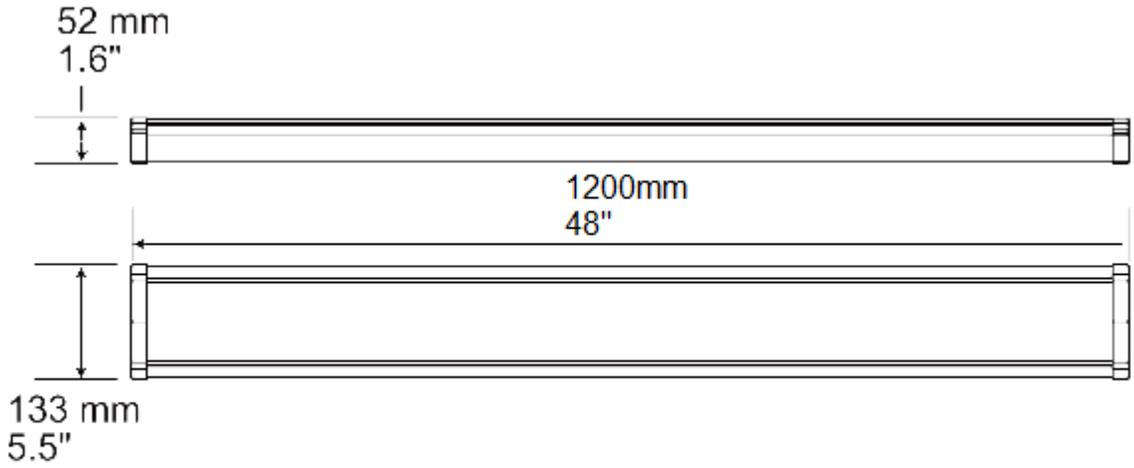
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PRODUCT DIMENSIONS

AE-SF-MRUV-4-48W-NXX-010-WH





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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

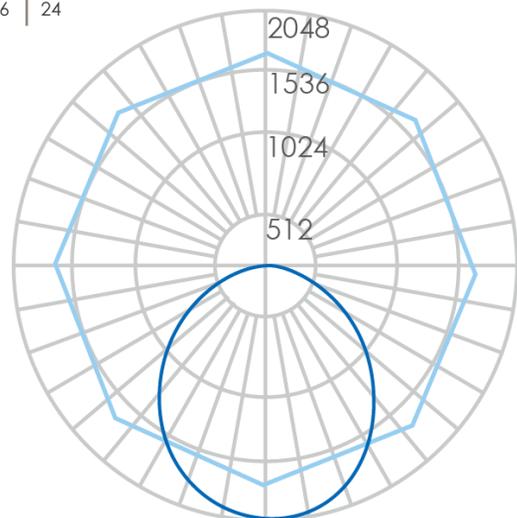
AE-SF-MRUV-4-48W-N50-010-WH

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	0	118	118	118	118	115	115	110	110	104	104	97
	1	108	103	99	95	101	93	96	90	91	86	81
	2	98	90	83	78	88	76	84	74	80	72	68
	3	90	79	71	65	77	64	74	62	71	61	57
	4	82	70	62	55	69	54	66	53	63	52	49
	5	76	63	54	47	62	47	59	46	57	46	43
	6	70	57	48	42	56	41	54	41	52	40	37
	7	65	52	43	37	51	37	49	36	47	36	33
	8	60	47	39	33	46	33	45	32	43	32	30
	9	57	43	35	30	43	29	41	29	40	29	27
	10	53	40	32	27	39	27	38	26	37	26	24

Luminance data			
Angle	0°	45°	90°
45°	14142	14370	14779
55°	13096	13322	13695
65°	12120	12161	12308
75°	11525	10792	10023
85°	15264	11314	5472

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	192.39	90-100	38.85
10-20	545.4	100-110	20.8
20-30	809.61	110-120	20.35
30-40	947.36	120-130	19.54
40-50	948.76	130-140	17.94
50-60	830.3	140-150	15.27
60-70	621.63	150-160	11.84
70-80	365.27	160-170	7.7
80-90	139.41	170-180	2.71

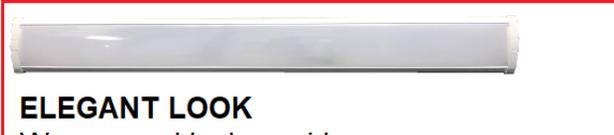




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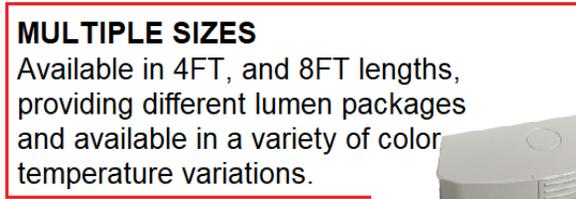
ELEGANT LOOK

Wraparound look provides an elegant aesthetic whether used in a commercial or industrial project space



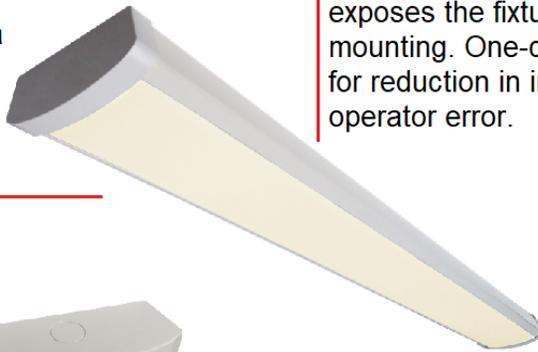
SIMPLE ASSEMBLY

Easy to remove polycarbonate lens exposes the fixture's housing for mounting. One-clip removal allows for reduction in installation time and operator error.



MULTIPLE SIZES

Available in 4FT, and 8FT lengths, providing different lumen packages and available in a variety of color temperature variations.



CONTINUOUS MOUNTING

Side mounted knockout holes enable continuous mounted runs

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