



LSW

LINEAR FIXTURES

LED linear fixture



The LSW series is the vandal-proof series from Aeralux with superior IK rating of IK10, a truly dustproof fixture with IP66 rating and an elegant design that can seamlessly be installed in your environment. The attention to detail in this product is unparalleled along with a versatility unseen in this type of product. The LSW series is available in various possible lengths, CCT along with a potential to link several products together with an ease of install that can positively impact install time.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage	120-277V
Power factor	0.9
Total harmonic distortion (THD)	<20%
Dimming	No dimming
PERFORMANCE	
Lumens per Watt	110 LPW at 80CRI
Power	30, 40, 60, 90, 120W
Distribution	Lambertian

MECHANICAL & HOUSING

Housing	Extruded 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	Anodized clear
Power Supply	Factory wired electronic LED driver
LED Board	Light emitted source
APPLICATION CONDITION	
Ambient temperature range	-20 to 45°C
Protection	IK10, IP66
COMPATIBLE MOUNTING	
Mounting	Surface mounted with clip-in bracket
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-LSW-UV4FT040W-N40TA

AE-SF-LSW	-UV	4FT	040W	-N	40	TA
FIXTURE FAMILY	INPUT VOLTAGE	LENGTH	POWER	CRI	CCT	CONNECT TYPE
AE-SF-LSW Aeralux LSW linear fixture	-UV 120-277Vac	2FT 2 feet length	030W 30 watts: 3300 lumens	-N 80 CRI	40 4000K CCT	TA Type A – Standalone fixture
		4FT 4 feet length	040W 40 watts: 4400 lumens			
			060W 60 watts: 6600 lumens		50 5000K CCT	TC Type C – Linkable fixture
		6FT 6 feet length	090W 90 watts: 9900 lumens			
		8FT 8 feet length	120W 120 watts 13200 lumens			

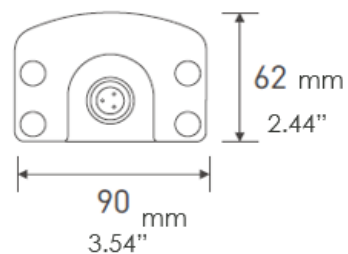
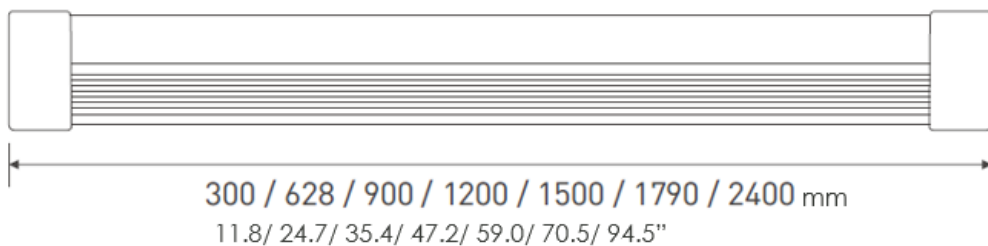
IK 10

IP 66



PRODUCT DIMENSIONS

AE-SF-LSW-UVXFTXXW-NXTX



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

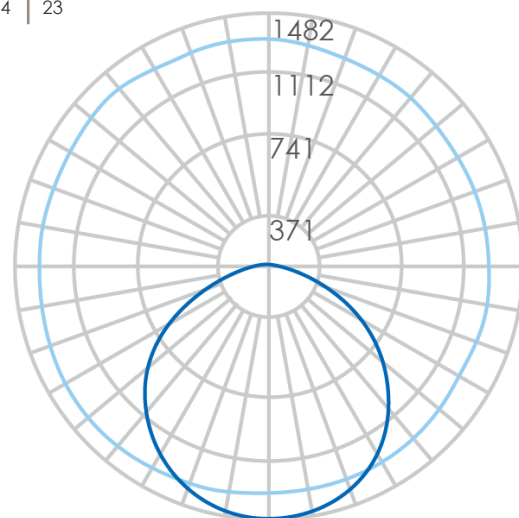
PHOTOMETRIC DATA

AE-SF-LSW-4FT040W-N40TA

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	119	119	119	119	116	116	111	111	106	106	100
	1	107	102	97	93	100	91	95	89	92	86	81
	2	97	88	81	75	86	74	83	72	79	70	67
	3	88	77	69	62	76	61	73	60	70	59	56
	4	81	68	59	52	67	52	64	51	62	50	47
	5	74	61	51	45	60	44	58	44	55	43	41
	6	68	55	45	39	54	39	52	38	50	38	35
	7	63	50	40	34	49	34	47	34	46	34	31
	8	59	45	36	30	44	30	43	30	42	30	28
	9	55	41	33	27	41	27	40	27	39	27	25
	10	52	38	30	25	38	25	37	25	36	24	23

Luminance data			
Angle	0°	45°	90°
45°	7858	5936	5719
55°	7397	5075	4726
65°	6928	4047	3499
75°	6752	2913	1903
85°	7855	1923	256

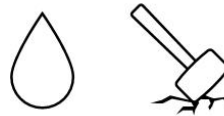
Zonal lumen			
Zone	Lumens	Zone	Lumens
0-10	139.86	90-100	0
10-20	402.31	100-110	0
20-30	614.36	110-120	0
30-40	748.34	120-130	0
40-50	786.03	130-140	0
50-60	724.01	140-150	0
60-70	575.7	150-160	0
70-80	378.92	160-170	0
80-90	201.21	170-180	0





EASY TO INSTALL

Easy to install bracket mount enables surface or suspended mounting methods



SUPERIOR PROTECTION

IP66 rated for excellent waterproofing, and IK10 level impact resistance enable the LSW vandal-proof light to withstand the harshest conditions.



CONTINUOUS MOUNTING

Keep your fixture in standalone configuration, butt-up against each other, or connect in continuous mounted runs easily.



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