



AQB

LINEAR FIXTURES

Aquos Series linear fixture



The AQB is an integrated design for indoor applications. An efficient LED light delivering long life with excellent colour temperature ensuring superior quality lighting. They can be connected to optional cables or connectors up to 600W of power in a single linear run.

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, 60, 90, 120W
Distribution Lambertian

MECHANICAL & HOUSING

Housing Extruded aluminum for increased rigidity and strength
Lens Highly durable frosted 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
LED Board Light emitted source
APPLICATION CONDITION
Ambient temperature range -10 to 45°C
Protection IP20
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

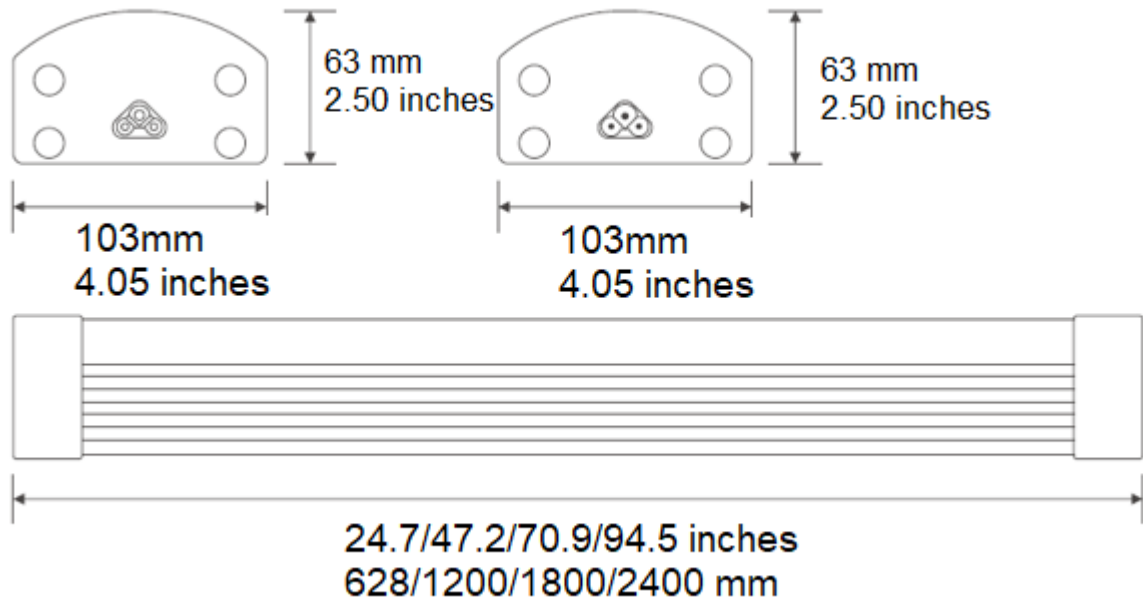
EXAMPLE: AE-SF-AQBUY2FT30WFN30

AE-SF-AQB	UV	2FT	30W	F	N	30
FIXTURE FAMILY	VOLTAGE	SIZE	POWER	COVER	CRI	CCT
AE-SF-AQB Aeralux Aquos Series AQB linear fixture	UV 120V- 277Vac input voltage range	2FT 2 feet length	30W 30 Watts: 3300 lumens	F Frosted lens	N Normal 80 CRI	30 3000K CCT
		4FT 4 feet length	60W 60 Watts: 6600 lumens			40 4000K CCT
		6FT 6 feet length	90W 90 Watts: 10800 lumens			50 5000K CCT
		8FT 8 feet length	120W 120 Watts: 14400 lumens			



PRODUCT DIMENSIONS

AAE-SF-AQB-



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-AQBUV4FT60WFNXX

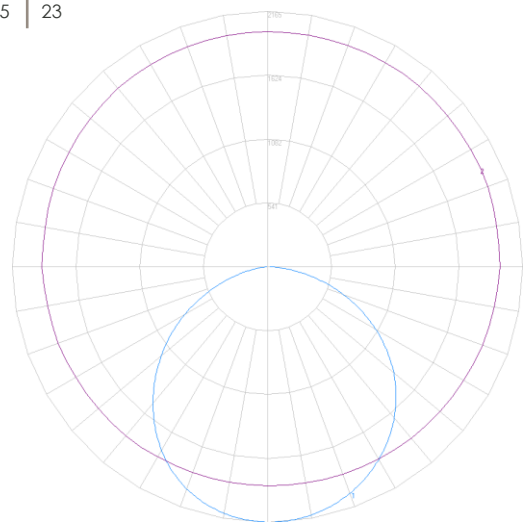
Coefficients of utilization												
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	108	103	98	94	100	92	96	89	92	86	82
	2	98	89	82	76	87	75	83	73	80	71	67
	3	89	78	69	63	76	62	73	61	70	60	56
	4	81	69	60	53	67	52	65	52	63	51	48
	5	75	61	52	45	60	45	58	45	56	44	41
	6	69	55	46	39	54	39	52	39	51	39	36
	7	64	50	41	35	49	35	48	34	46	34	32
	8	59	46	37	31	45	31	44	31	42	30	28
	9	55	42	33	28	41	28	40	28	39	27	25
	10	52	39	31	25	38	25	37	25	36	25	23

Luminance data

Angle	0°	45°	90°
45°	19195	13563	12073
55°	18580	11901	10301
65°	17241	9835	8432
75°	14438	7311	6505
85°	7611	4623	4646

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	204.13	90-100	0
10-20	585.76	100-110	0
20-30	890.34	110-120	0
30-40	1077.71	120-130	0
40-50	1124.62	130-140	0
50-60	1027.01	140-150	0
60-70	804.51	150-160	0
70-80	511.16	160-170	0
80-90	249.21	170-180	0

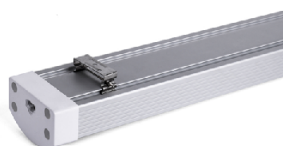




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MOUNTING METHODS

Easy to install mounting bracket allows for surface or suspended mounting.

CONNECTABILITY

Keep your fixture in standalone model, daisy-chain for continuous runs, or butt-up against each other for seamless look.



SIZE AND POWER OPTIONS

Available in sizes ranging from 2 to 8FT, with lumen packages from 3300 to 14400 lumens.

MULTIPLE APPLICATIONS

Although mostly used for cove lighting applications this fixture is compatible with almost any surface mount or suspended mounting application.



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