



GEN5

LINEAR FIXTURES

Linear architectural lighting



The G5 LED provides an unsurpassed flexibility that we have been looking for in commercial offices. With a simple switch, the G5 can switch CCT from 3000K, to 3500K to 4000K. It is perfect for new buildings, upgrades and retrofit projects.

Project: _____
Qty: _____
Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-277V, 347V
Power factor 0.9
Total harmonic distortion (THD) <20%

Dimming 0-10V external dimming down to 10%

PERFORMANCE

Lumens per Watt 100 LPW at 80CRI
Power 40W
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

Power Supply Aeralux Nebula White
Factory wired electronic LED

LED Board Discrete LED

APPLICATION CONDITION

Ambient temperature range -10 to 40°C

COMPATIBLE MOUNTING

Mounting suspended

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

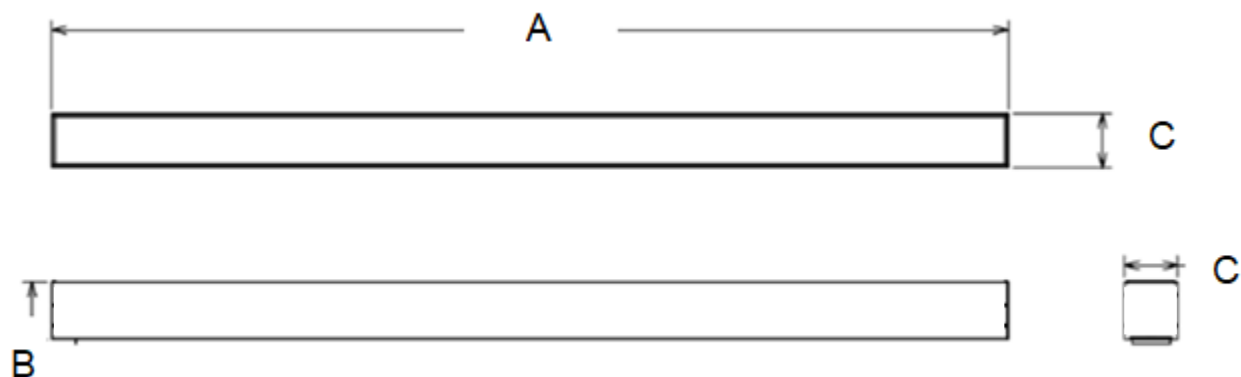
EXAMPLE: AE-SF-G5CA440N30/40/50010WH

AE-SF-G5	UV	4	40	N	30/40/50	010	WH
FIXTURE FAMILY	Voltage	LENGTH	POWER	CRI	CCT	CONTROLS	FINISH
AE-SF-G5 Aeralux Gen5 linear architectural fixture	UV 120-270Vac input voltage	4 4 feet length	40 40 watts: 4000 lumens	N Normal 80 CRI	30/35/40 3000/3500/4000K selectable CCT	010 0-10V external dimming down to 10%	WH Aeralux Nebula White finish to reduce glare off the housing
							BK Aeralux Atomic Black finish to reduce glare off the housing



PRODUCT DIMENSIONS





AE-SF-G5



Dimensions			
Length	A	B	C
4 ft	1206 mm 47.5"	80 mm 3.15"	70 mm 2.75"

ACCESSORIES

Ordered separately, field installed

Part Number	Description	Picture
AE-SF-WIRE	Suspension wire - 2pcs	
AE-SF-CANOPY-WH-4IN AE-SF-CANOPY-BK-4IN	Canopy Cover kit: 4" diameter - for suspension without power cords – 1 piece White or Black	
AE-SF-CANOPY-WH-5IN AE-SF-CANOPY-BK-5IN	Canopy Cover kit: 5" diameter - for suspension without power cords – 1 piece White or Black	
AE-SF-G4/5-PWRCORD-WH AE-SF-G4/5-PWRCORD-BK	8 feet White Power Cord 8 feet Black Power Cord	

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-G5UV440N304050XXXXX

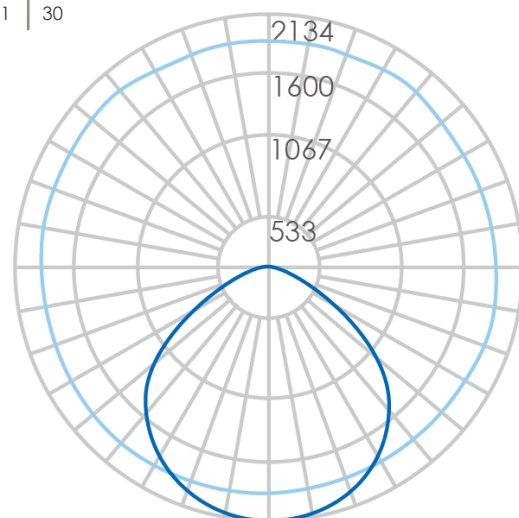
Coefficients of utilization												
Ceiling	80%				70%		50%		30%		0%	
Wall	70%	50%	30%	10%	50%	10%	50%	10%	50%	10%	0	
RCR	Zonal Cavity Method – Effective floor reflectance = 20%											
Room Cavity Ratio	0	119	119	119	119	116	116	111	111	106	106	100
	1	110	106	103	99	104	98	100	95	96	92	87
	2	102	95	89	84	93	83	89	81	86	79	75
	3	94	84	77	71	83	71	80	70	77	68	65
	4	87	76	68	62	74	61	72	61	70	60	57
	5	80	68	60	54	67	54	65	53	63	53	50
	6	74	62	54	48	61	48	59	47	58	47	45
	7	69	57	48	43	56	43	54	42	53	42	40
	8	65	52	44	38	51	38	50	38	49	38	36
	9	60	48	40	35	47	35	46	35	45	34	32
	10	57	44	37	32	44	32	43	32	42	31	30

Luminance data

Angle	0°	45°	90°
45°	28149	24371	19348
55°	23202	16374	11938
65°	16425	10523	7744
75°	11620	7549	5559
85°	9025	5063	3930

Zonal lumen

Zone	Lumens	Zone	Lumens
0-10	202.11	90-100	2.42
10-20	581.85	100-110	1.74
20-30	883	110-120	1.7
30-40	1031.16	120-130	1.88
40-50	926.19	130-140	1.86
50-60	627.33	140-150	1.9
60-70	344.84	150-160	1.85
70-80	160.93	160-170	1.43
80-90	44.11	170-180	0.56

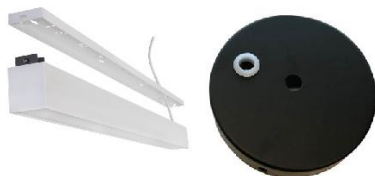




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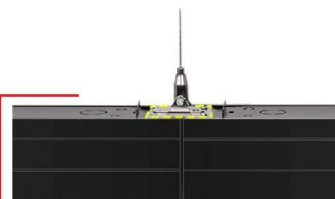


ACCESSORIES

Multiple accessories to select such as canopy cover kits, and mounting brackets.

COLOR SELECTABLE

Easily removable fixture top exposes the DIP switch to change between 3 CCT variations from warm to cool light



CONTINUOUS RUNS

Easily connect multiple fixtures together for continuous mounting configuration.

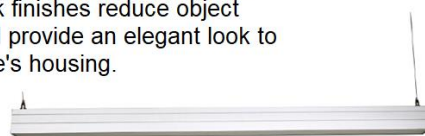
STANDARD FEATURES

4FT suspension cables standard with fixture providing simple purchase and cost-savings



FINISHES

Standard Aeralux anti-glare white and black finishes reduce object glare and provide an elegant look to the fixture's housing.



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