



GEN5 Recessed T-grid

LINEAR FIXTURES

Linear architectural lighting



The GEN5 T-Grid series provide an unsurpassed flexibility for commercial offices. With a simple switch, the fixture can switch CCT and lumens. Long seamless rows are possible using custom lengths for starter, middle and ender. It is perfect for new buildings, upgrades and retrofit projects. This series has been redesigned to be easily mounted on most T grids ceilings.

Project: _____

Qty: _____

Notes: _____

OPERATING & ELECTRICAL

Input voltage 120-347V
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 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

Nebula White/Atomic Black

Power Supply Factory wired electronic LED driver

LED Board

Discrete LED

APPLICATION CONDITION

Ambient temperature range -10 to 40°C

COMPATIBLE MOUNTING

Mounting Recessed (**Non-IC rated**)

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-G5CA44030/40/50010WH-R-A

AE-SF-G5	CA	4	40	30/40/50	010	WH-GB	-R-	A
FIXTURE FAMILY	VOLTAGE	LENGTH	POWER	CCT	CONTROLS	FINISH	MOUNTING	TYPE
AE-SF-G5 Aeralux Gen5 linear architectural fixture	CA 120-347Vac input voltage	4 4 feet	40 40 watts: 4200 lumens	30/40/50 3000/4000/5000K selectable CCT	010 1-10V external dimming down to 10%	WH-GB Aeralux Nebula White	-R- Recessed mounting on T-grids	A Stand alone
				30/35/40 3000/3500/4000K selectable CCT				B Starter & Ender
								C Middle

Caution : Maximum of 300W per electrical drop



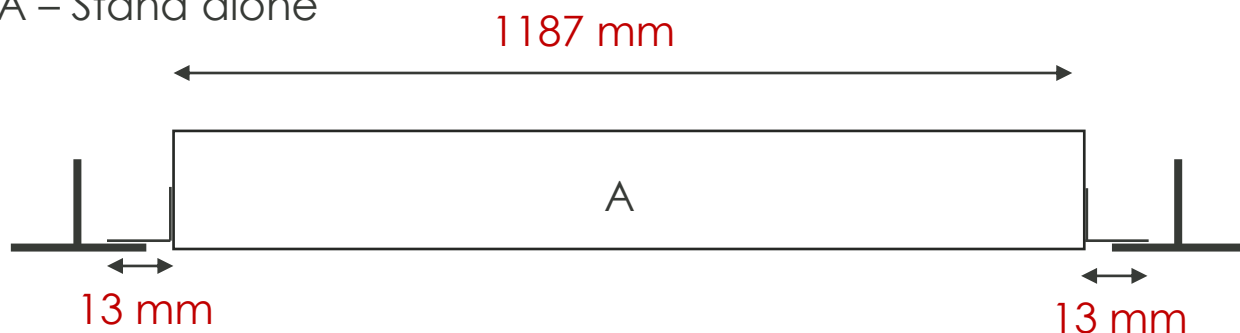
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POWER SWITCHABLE OPTIONS

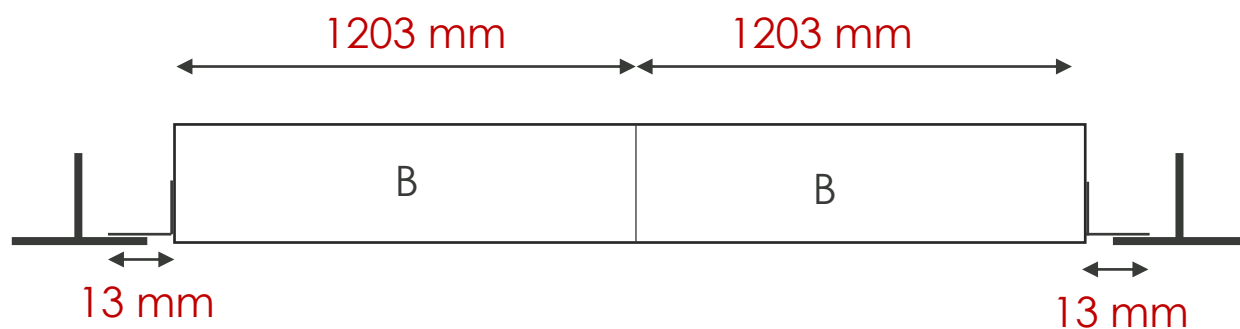
2FT	Avg 105-120 LPW	20 watts	20W– 2100 lms		
		20/30/40 watts switchable	20W – 2100 lms		
30W - 3150 lms					
40W - 4200 lms					
4FT					
				30/40/50 watts switchable	30W - 3600 lms
					40W - 4800 lms
50W - 6000 lms					
6FT					
	40/70 watts switchable			40W - 4800 lms	
70W - 8400 lms					
8FT					
			40/70 watts switchable	40W - 4800 lms	
70W - 8400 lms					

PRODUCT DIMENSIONS – 4FT

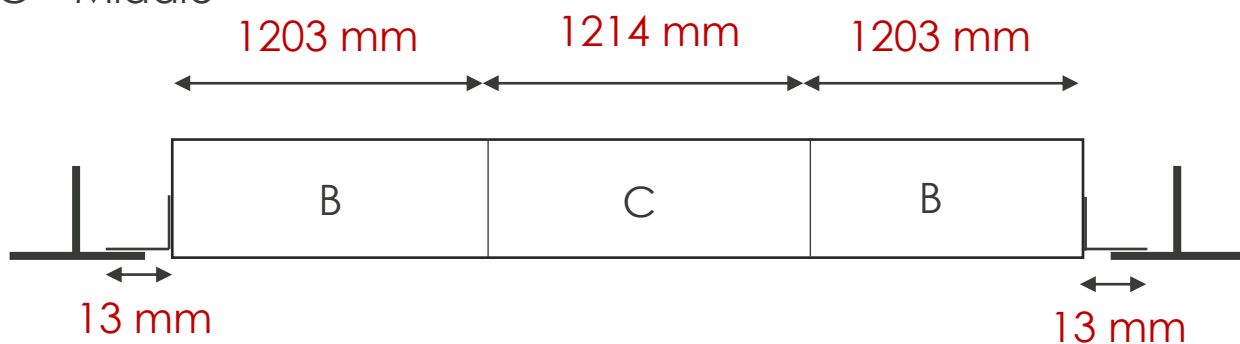
A – Stand alone



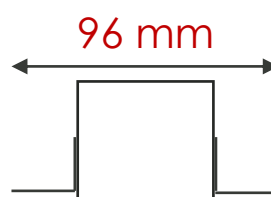
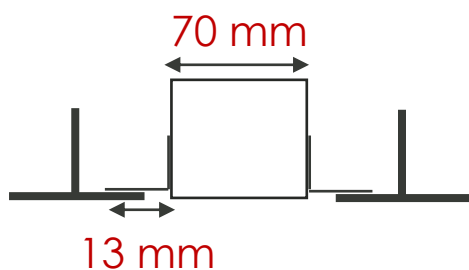
B – Starter & Ender



C – Middle

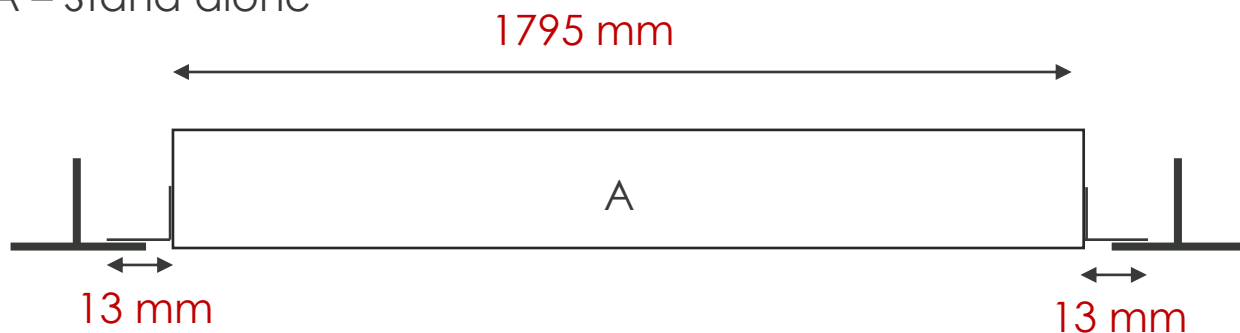


CROSS DIMENSIONS

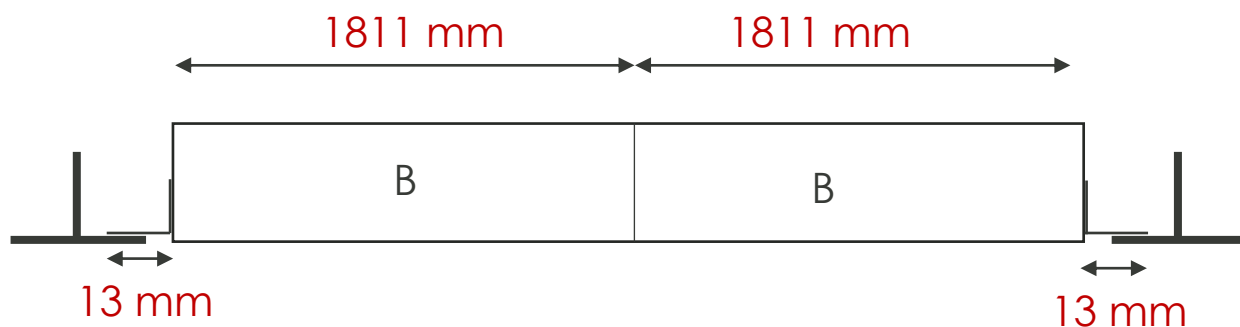


PRODUCT DIMENSIONS – 6FT

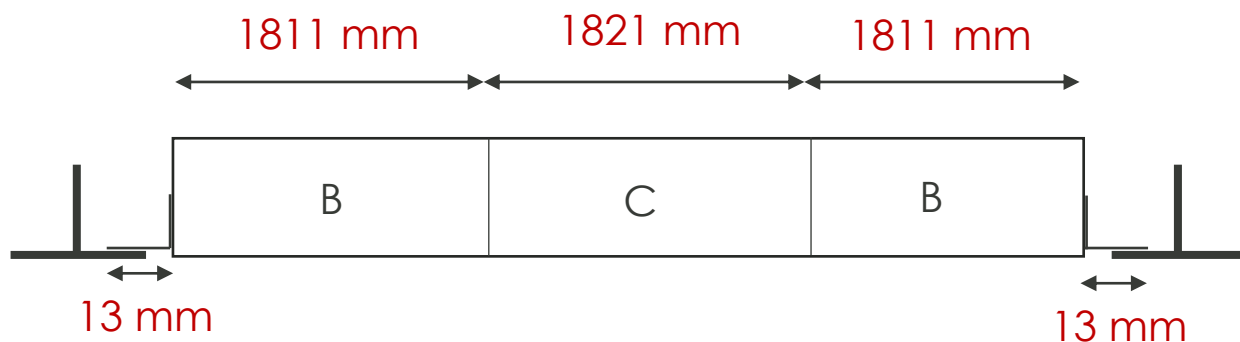
A – Stand alone



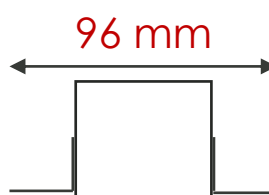
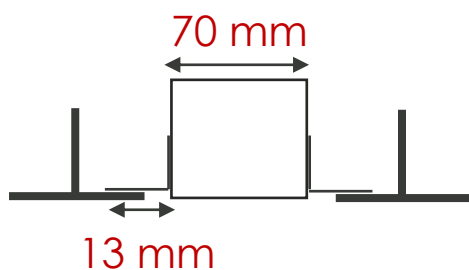
B – Starter & Ender



C – Middle

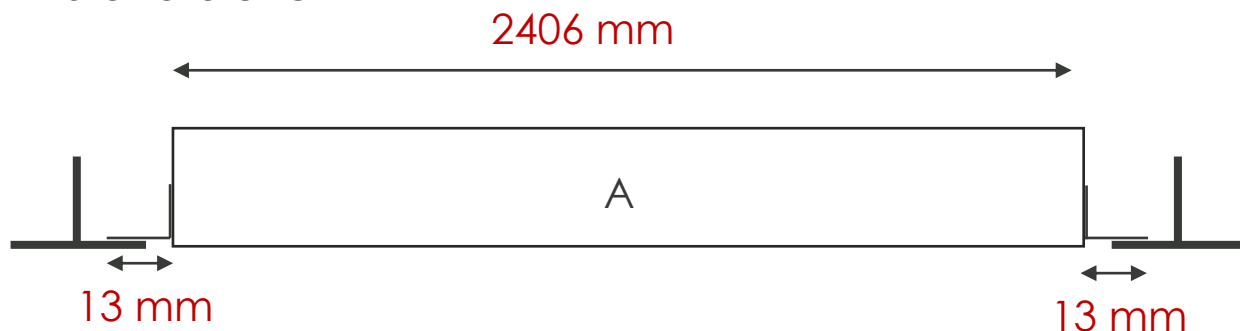


CROSS DIMENSIONS

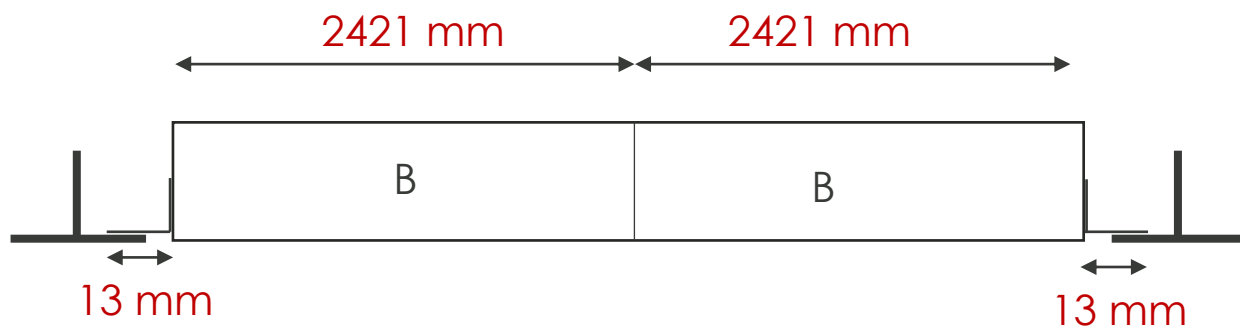


PRODUCT DIMENSIONS – 8FT

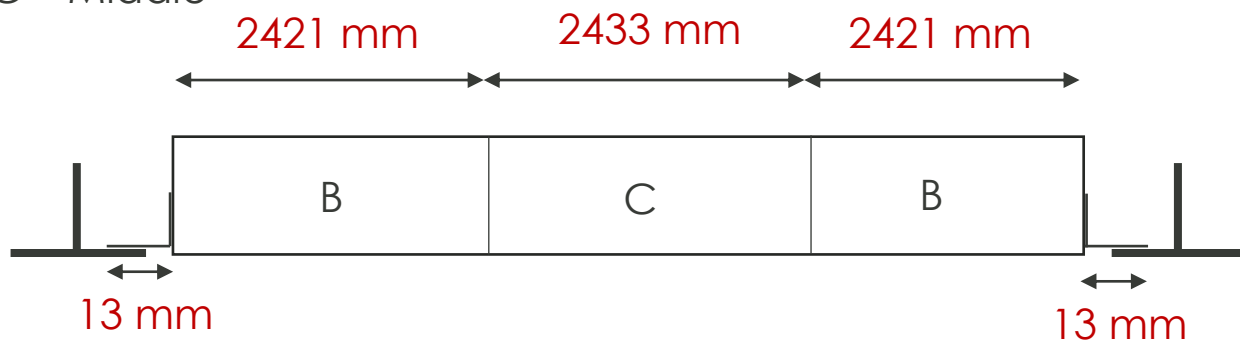
A – Stand alone



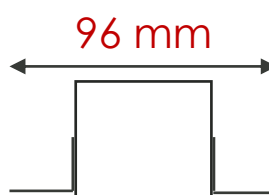
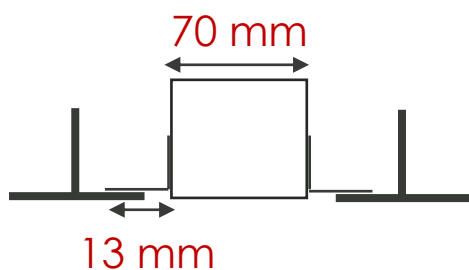
B – Starter & Ender



C – Middle



CROSS DIMENSIONS



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

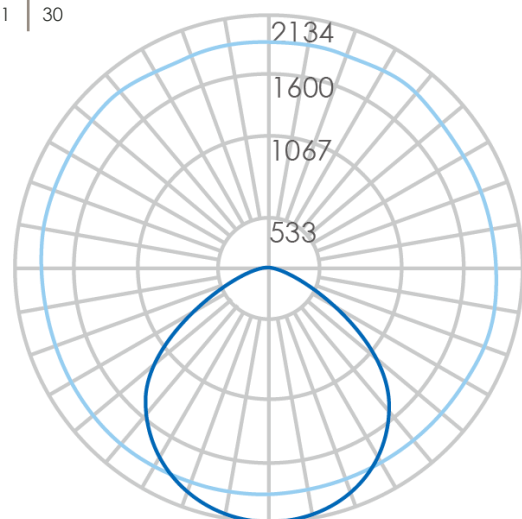
PHOTOMETRIC DATA

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





GEN5 Recessed

LINEAR FIXTURES

Linear architectural lighting

ACCESSORIES

Adjustable mounting brackets ensure safe and easy installation on T-grids



COLOR SELECTABLE

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



FINISHES

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



CONTINUOUS RUNS

Easily connect multiple fixtures together for continuous mounting configuration.

Aeralux Inc.
1-514-447-7598 | 1-630-534-2589
www.aeralux.com

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