

Auckland Transport

Road lighting Column Approved List – AT-LCAL

NOTE:

1. Unless noted otherwise, columns have been assessed against the following criteria (reference: TDM – Appendix D1 – Table D1);

Table D1: Standard column heights and associated bracket arm lengths, mass and sail areas			
Nominal Column Height (m)	Maximum Bracket Arm Outreach (m)	Luminaire Mass (kg)	Luminaire Sail Area (m ²)
14.0	4.0	15.0	0.15
12.0	4.0	15.0	0.15
10.0	3.0	13.0	0.12
8.0	2.0	9.0	0.10
6.0	1.0	9.0	0.10
4.0	0.0	9.0	0.10

2. For the ground section of any column the minimum thickness of the steel plate must be 3mm.
3. Columns with a gear door less than 300mm high x 100mm wide may require a ground mounted connection pit installed to accommodate the connections and cable arrangements.
4. A column proposed for a luminaire >15kg will require specific structural design to suit.
5. 4m columns shall be designed for pole top luminaire mount, i.e. no outreach.

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Manufacturer	#	Model Name/Number	Height	Outreach	Base (G: Ground, F: Flange, S: Shear)	Gear door opening (mm)	NZ Supplier	Notes
CSP Pacific Ltd	1	Octagonal tapered sectional steel – with outreach or post top spigot	6, 8m	Single/twin 0/1/2/3/4m	F, S	250x90	CSP Pacific Ltd	Note 3
			10, 12, 14m			300x150		
	2	Tamaki style – Round steel – with outreach or post top spigot	6, 8, 10, 12m	Single/twin 0/1/2/3m Single 4m	F, S	200x75		Note 3
	3	Elliot MFP style – Round steel – with outreach or post top spigot	8.5, 11m	Single 0/1/2/3m	F, S	200x75		Note 3
	4	DP345-1-r4 – Living Deco – Round steel – with 60mmØ or 76mmØ post top spigot	6m	0m(post top) 1 or 2 lights	G	300 x 75		Decorative subdivision pole. Note 3
	5	DP345-2-r5 – Living Deco – Round steel – with outreach	6m	Single: 1m/ Twin: 0.2m	G	300 x 75		Decorative subdivision pole. Note 3
	6	DP308-6-r5 – Living Deco – Round steel – with 60mmØ or 76mmØ post top spigot	8m	0m (post top) 1 or 2 lights	G	300 x 75		Decorative subdivision pole. Note 3
7	DP345-7-r5 – Living Deco – Round steel – with outreach	8m	Single: 1m/ Twin: 0.2m	G	300 x 75		Decorative subdivision pole. Note 3	
GESS	1	Tamaki style – Round steel – with outreach or post top spigot	6m	Single/twin 0/1/2/3m	G,F,S	300x100	GESS	
			8, 10, 12m			300x150		
	2	Elliot MFP style – Round steel – with outreach or post top spigot	6, 8, 10, 12m	Single/twin 0/1/2/3m	G,F	300x150		
3	RHS/SHS – Round steel. Post top inserts – with post top spigot insert	4, 4.6m	0m (post top)	G,F	200x85		Note 3	

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			6, 7.6, 8m	Single/twin 0/1/2/3m triple/quad 1m		300x100		
	4	Hobson stepped deco style – CHS/RHS – Round steel – with outreach or post top spigot	4m, 5m	0m(post top)/ Single/twin 1m	G,F	200x85		Note 3
			6m, 8m, 12m	0m(post top)/ Single/twin 1/2/3/4m		300x100		
	5	Kaiwi, Rotoiti, Tarawera, Rotoma, Waikare, Pakaki & Tekapo – Round tapered steel – with outreach or post top spigot	4m	0m(post top)	G,F	200x85		Note 3
			6, 8m	0m(post top)/ Single/Twin 1/2/3m		300x100		
			10m			300x150		
HiSpec	1	HiSpec slim square – RHS – Square steel – with outreach or post top spigot	6, 8m	Single 0/1/2m	G	380x86	HiSpec	Subdivisions only. Note 3
			10m	Single 0/1/2m				
Hydro	1	Round tapered aluminium, single piece, maximum 175mm OD, 4mm wall – with 76mmØ post top spigot	6m	0m(post top)	G	400 x 90	MHL Ltd	Post top only Note 3

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Manufacturer	#	Model Name/Number	Height	Outreach	Base (G: Ground, F: Flange, S: Shear)	Gear door opening (mm)	NZ Supplier	Notes	
	2	Round tapered aluminium, single piece, maximum 200mm OD, 4mm wall – with 76mmØ post top spigot	8m	0m(post top)	G	500 x 115		Post top only	
	3	Round tapered aluminium, single piece, maximum 226mm OD, 4.5mm wall – with 76mmØ post top spigot	10m	0m(post top)	G	500 x 115		Post top only	
IBEX	1	Round steel tapered – with outreach or post top spigot	6m	Single 0/1m	G	450x110	IBEX		
			8m	Single 0/1/2m					
	2	Taper Column Assy 3. 4800 x 155/220mm OD with 4mm Wall: 3200x 123/168m OD with 3mm Wall : 4300 x 74/134 with 3mm Wall. Dwg Ref : AE15135 GA16	10m	Single 1/2m Milford	G	450x110			Banners permitted (1 per outreach)
				Single 1/2m Straight					
MFP Systems Pty Ltd	1	Stepped round aluminium multi-function pole with part height steel core. 300mm OD to 2.1m then 215mm OD. 6.4mm steel core wall with 4mm aluminium mast wall. Part no. MFP-002	12m	Single/twin 1/2/3/4m	F	Two doors: 710 x 170 600 x 170	MFP Systems Pty Ltd	Banners permitted (1 per outreach)	

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	2	Stepped round aluminium multi-function pole with part height steel core. 300mm OD to 2.1m then 215mm OD. 6.4mm steel core wall with 4mm aluminium mast wall. Part no. MFP-024	10.5m (10m mount)	Single/twin 1/2/3m	F	710 x 170		Banners permitted (1 per outreach)
	3	Stepped round aluminium multi-function pole with part height steel core. 250mm OD to 2.1m then 215mm OD. 6.4mm steel core wall with 4mm aluminium mast wall. Part no. MFP-044	8.5m (8m mount)	Single/twin 1/2m	F	710 x 170		Banners permitted (1 per outreach)
	4	Stepped round aluminium multi-function pole with part height steel core. 250mm OD to 2.1m then 215mm OD. 6.4mm steel core wall with 4mm aluminium mast wall. Part no. MFP-009	6.5m (6m mount)	Single 1m	F	710 x 170		Banners <u>not</u> permitted
Spunlite & Windsor Urban	1	Octagonal tapered sectional steel – with outreach	6m	Single 1m	G, F, S	290x80	Spunlite & Windsor Urban	Note 3
			8m	Single 1/2m		225x105		
			10m	Single 1/2/3m		225x105		
			12m	Single 1/2/3m		300x140		

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	2	Tamaki Style – Round steel – with outreach – 200NB	8m	Single 1/2m	G,F	305x100			
			10, 12m	Single 1/2/3m					
	3	SHS – square steel – with outreach - 100x100x3	4, 6m	Single 0/1/2m	G, F	215x70		Note 3	
			SHS – square steel – with outreach - 100x100x4	6, 8m				Single 0/1/2m	Note 3, Signage allowance of 1x1m
	4	Parnell Tubular Pole 5m 100NB CHS with top or side spigot or outreach arm	5m	Single 0/1m	G	230 x 75		Note 3, Woodcocks or Hobsonville Arms only. 5m only for existing subdivisions	
			Parnell Tubular Pole 6m 100NB CHS with top or side spigot or outreach arm	6m	Single 0/1m	G		230 x 75	Note 3, Woodcocks or Hobsonville Arms only
			Parnell Tubular Pole 8m 100NB CHS with top or side spigot or outreach arm	8m	Single 0/1/2m	G		230 x 75	Note 3, Woodcocks (1m) or Hobsonville Arms (1-2m) only
			Parnell Tubular Pole 10m 100NB CHS with top or side spigot or outreach arm	10m	Single 0/1/2/3m	G		300 x 80	Note 3, Woodcocks (1m) or Hobsonville Arms (1-3m) only
	5	Hobsonville Stepped Pole 6m mounting height 100NB to 65NB with top or side spigot or outreach arm	6m	Single 0/1m	G	230 x 75		Note 3, Woodcocks or Hobsonville Arms only	
	6	Hobsonville Stepped Pole 7m mounting height 100NB to 80NB with top or side spigot or outreach arm	7m	Single 0/1/2m	G	230 x 75		Note 3, Woodcocks (1m) or Hobsonville Arms (1-2m) only. 7m only for existing subdivisions	

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	7	Hobsonville Stepped Pole 8m mounting height 100NB to 80NB with top or side spigot or outreach arm	8m	Single 0/1/2m	G	300 x 75		Note 3, Woodcocks (1m) or Hobsonville Arms (1-2m) only
	8	Hobsonville Stepped Pole 10m mounting height 125NB to 80NB with outreach arm up to 2.5m	10m	Single 0/1/2m	G	300 x 80		Note 3, Woodcocks (1m) or Hobsonville Arms (1-2m) only
	9	Round Tapered Pole with top or side spigot or outreach arm	6m	Single 0/1m	G	300 x 90		Note 3, Woodcocks or Hobsonville Arms only
			8m	Single 0/1/2m	G	300 x 150		Woodcocks (1m) or Hobsonville Arms (1-2m) only
Steelgal	1	Octagonal tapered steel columns supplied in sections	6m	Single/Twin 0/1m	G, F, S	300 x 100	Steelgal	
			8m	Single/Twin 0/1/2m	G, F, S	300 x 150		
			10m	Single/Twin 0/1/2/3m	G, F, S	300 x 150		
			12,14m	Single/Twin 0/1/2/3/4m	G, F, S	300 x 150		
	2	Tamaki round steel column	6m	Single/Twin 0/1m	G, F, S	305 x 100		
			8m	Single/Twin 0/1/2m	G, F, S	305 x 100		
			10m	Single/Twin 0/1/2/3m	G, F, S	305 x 100		
			12m	Single/Twin 0/1/2/3/4m	G, F, S	305 x 100		
	3	Marlborough - round tapered	4,6m	Single 0/1m	G,F	300 x 150		
			8m	Single 0/1/2m	G,F	300 x 150		

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	4	Coventry - round tapered pole	10m	Single 0/1/2/3m	G,F	300 x 150		
			4m	Single 0/1m	G,F	300 x 150		
			6m	Single 0/1m	G,F	300 x 150		
			8m	Single 0/1/2m	G,F	300 x 150		
			10m	Single 0/1/2/3m	G,F	300 x 150		
	5	Regent Column - round tapered pole	4,6m	Single 0/1m	G,F	300 x 150		
			8m	Single 0/1/2m	G,F	300 x 150		
			10m	Single 0/1/2/3m	G,F	300 x 150		
	6	Mayfair Column - round tapered pole	4, 6, 8, 10m	0m(post top)	G,F	300 x 150		
	7	SHS (125x125) pole	6, 8m	0m(post top)	F	300 x 150		
Streetscape	1	Round Steel Pole – 100mm NB - Three Kings	4m	0m(post top)/ Single/Twin 0/1m	G, F	190 x 90	Streetscape	Note 3
	2	Round Steel Pole – 100mm NB – Hobsonville	6m	0m(post top)/ Single/Twin 0/1m	G, F	190 x 90		Note 3
	3	Round Steel Pole – 100mm NB – Westgate	7m	0m(post top)/ Single/Twin 0/1/2m	G, F	190 x 90		Note 3
	4	Round Steel Pole – 125mm NB – Pukekohe	8m	0m(post top)/ Single/Twin 0/1/2m	G, F	190 x 90		Note 3

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	5	Round Steel Pole – 125mm NB – Rosegarden	8.5m	0m(post top)/ Single/Twin 0/1/2m	G, F	190 x 90		Note 3
	6	Round Steel Pole – 165mm NB – Wynyard	10m	0m(post top)/ Single/Twin 0/1/2/3m	G, F	190 x 90		Note 3
TSL Group	1	Ormiston style – square steel – 150x150 SHS	9m (8m mounting height)	0m(post top)/ Single/Twin	G	315 x 120	TSL Group	
	2	Ormiston style – square steel – 150x150 SHS	13m (12m mounting height)	0m(post top)/ Single/Twin	F	315 x 120		Ground stub option also approved
Valmont	1	Octagonal tapered sectional steel – with outreach or post top spigot	4m	Single/twin 1/2/3/4m	G,F,S	200x85	GESS	Note 3
			6, 8m			300x100		
			10, 12, 14m			300x150		
	2	Octagonal tapered steel columns – with single round tapered outreach or post top spigot	4m	0m(post top)	G,F,S	200x85		Note 3
			6, 8m	0m(post top)/ Single 1/2/3/4m		300x100		
			10, 12m			300x150		
	3	Round tapered steel – with outreach or post top spigot	4m	0m(post top)	G,F	200x85		Note 3
			6, 8m			300x100		
			10m	0m(post top)/ Single/ Twin/Triple/ Quad 1/2/3m		300x150		
Vicpole	1	Oxford Pole – Round Tapered No outreach (*)	4, 5, 6, 7, 8m	0m(post top)	G,F,S	295x90	ADLT	(*) short horizontal tenon also approved. Note 3

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	2	Portland Pole – Round Tapered	10m	Single 1/1.5m	G,F,S	310x110		Note 3	
			6m	Single 1/1.5m	G,F,S	295x90			
			8m	Single 1/1.51/2m	G,F,S	295x95			
			10m	Single 1/1.5/2/2.5m	G,F,S	310x110			
			12m	Single 1/1.5/2/2.5/3/ 3.5/4m	G,F,S	310x110			
	3	Porchester Pole – Round Tapered	6m	Single 0.5-1.5m	G,F,S	295x90		Note 3	
			8m	Single 1/2m	G,F,S	295x90			
			10m	Single 1/2.5m	G,F,S	310x110			
			12m	Single 1/2/3/4m	G,F,S	310x110			
	4	Madison Pole – Round Tapered	6m	Single 0.5-1.5m	G,F,S	295x90		Note 3	
			8m	Single 1/2m	G,F,S	295x90			
				10m	Single 1-2.5m	G,F,S		310x110	Note 3
				12m	Single 1/2/3/4m	G,F,S		310x110	
5		Capella Pole – Round Tapered	6m	Single 0.5-1.5m	G,F,S	295x90			
			8m	Single 1/2m	G,F,S	295x90			
			10m	Single 1-2.5m	G,F,S	310x110			

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			12m	Single 1/2/3/4m	G,F,S	310x110		
	6	Long Bay Pole – Round Tapered	6m	Single 0.5-1.5m	G,F,S	295x90		Note 3
	8m		Single 1/2m	G,F,S	295x90			
	10m		Single 1-2.5m	G,F,S	310x110			
	12m		Single 1/2/3/4m	G,F,S	310x110			
	7	Millwater Pole – SHS No outreach	7.5, 8, 9,10, 10.5, 12m	0m(post top)	G,F,S	315x90		Note 3

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Revision Table

Version	Date	Changes
1-2	NA	Internal versions
3	01/03/16	
4	NA	Not issued
5	07/04/17	
6	11/05/17	
7	14/09/17	Outreach arm details added
8	13/10/17	Rev table added. Note 2 added
9	26/08/18	Gess/Valmont details updated. Note 3 added
10	02/10/18	Streetscape updated. Spunlite & Windsor Urban updated (7m added & separate Spunlite entry merged). Kendelier changed to IBEX. Hydro added.
11	25/03/19	GESS/Valmont models to suit majority supply channel. Spunlite-Windsor Urban details added plus 2 new models. Steelgal details added plus 5 new models. Streetscape details added. Vicpole details added plus inclusion of Millwater pole. Table adjusted to clarify heights and include details regarding outreach length, base type and gear door opening. CSP Deco range added. TSL added.
12	05/06/19	Outreach & base details clarified. TSL adjusted. Note 4 added.
13	15/01/20	Table D1 adjusted. Note 5 added.
14	28/02/20	MFP details added.
15	18/06/20	IBEX 10m added.

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