

# Floodlighting

## Tapered octagonal columns

Tapered octagonal columns are ideal for many outdoor lighting projects. Our range has standard columns up to 18m in height, and our in-house design team can custom design columns up to 30m to suit your project. These columns are easy to install when combined with our foundation assemblies, and there are a wide range of mounting brackets available to suit trunnion mount or side entry luminaires in many configurations. These columns come standard with a base plate mount and a  $\varnothing$ 76mm luminaire spigot.

All Urban Lighting Group columns and brackets are made from hot dip galvanized steel, and can be painted or powder-coated in your choice of colours.

### Options and Accessories

- Luminaire brackets and adaptors
- Prefabricated foundation cages
- Foundation bolts and reinforcing cages
- Powder-coat or 2 pack painted finish
- Custom design to suit your exact requirement



Model Code	Height (m)	Sections	Mounting	Weight (kg)
FL4XL1	4	1	4 M20 @ 233	47
FL4.5XL1	4.5	1	4 M20 @ 233	52
FL5XL1	5	1	4 M20 @ 233	54
FL6XL1	6	1	4 M20 @ 233	66
FL7XL1	7	1	4 M20 @ 233	79
FL8XL1	8	1	4 M20 @ 350	98
FL8L1	8	1	4 M24 @ 350	124
FL9XL1	9	1	4 M20 @ 350	117
FL9L1	9	1	4 M24 @ 350	144
FL10XL1	10	1	4 M20 @ 350	137
FL10L1	10	1	4 M30 @ 350	155
FL11XL2	11	2	4 M30 @ 350	167
FL12XL2	12	2	4 M24 @ 350	183
FL12L2	12	2	4 M30 @ 500	261
FL12M2	12	2	4 M30 @ 500	276
FL15XXL2	15	2	4 M24 @ 350	245
FL15XL2	15	2	4 M30 @ 350	289
FL15L2	15	2	4 M36 @ 500	356
FL15M2	15	2	4 M36 @ 500	391
FL18XL2	18	2	4 M36 @ 500	430
FL18L3	18	3	8 M30 @ 500	517

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### Models

Model Code	Height (m)	Sections	Mounting	Weight (kg)	Load (kg)	Deflection (mm) <sup>1</sup>	Wind region - terrain category <sup>2</sup>						Moment (kNm) <sup>3</sup>	Shear (kN)
							A2	A3	B2	B3	C2	C3		
FL4XL1	4	1	4 M20 @ 233	47	60	31	0.6	0.8	0.4	0.5	0.2	0.3	3.9	1.2
FL4.5XL1	4.5	1	4 M20 @ 233	52	60	36	0.6	0.8	0.3	0.4	n/a	0.2	4.9	1.9
FL5XL1	5	1	4 M20 @ 233	54	60	57	0.6	0.8	0.4	0.5	n/a	0.2	5.1	1.4
FL6XL1	6	1	4 M20 @ 233	66	60	92	0.6	0.8	0.4	0.5	n/a	0.2	6.9	1.6
FL7XL1	7	1	4 M20 @ 233	79	60	124	0.6	0.8	0.3	0.5	n/a	0.2	8.9	1.9
FL8XL1	8	1	4 M20 @ 350	98	60	200	0.6	1.0	n/a	0.5	n/a	n/a	10.8	2.1
FL8L1	8	1	4 M24 @ 350	124	120	142	1.2	1.8	0.8	1.2	0.3	0.6	18.1	3.1
FL9XL1	9	1	4 M20 @ 350	117	60	197	0.6	1.1	n/a	0.5	n/a	n/a	13.7	2.5
FL9L1	9	1	4 M24 @ 350	144	120	172	1.2	1.9	0.7	1.2	n/a	0.6	21.9	3.6
FL10XL1	10	1	4 M20 @ 350	137	60	259	0.6	1.2	n/a	0.6	n/a	n/a	17.0	2.9
FL10L1	10	1	4 M30 @ 350	155	120	272	1.2	2.1	0.7	1.4	0.2	0.7	27.0	3.9
FL11XL2	11	2	4 M30 @ 350	167	60	298	0.6	1.2	n/a	0.6	n/a	n/a	21.1	3.3
FL12XL2	12	2	4 M24 @ 350	183	60	363	0.6	1.3	n/a	0.6	n/a	n/a	24.8	3.6
FL12L2	12	2	4 M30 @ 500	261	120	356	1.2	2.1	0.4	1.2	n/a	0.4	36.3	4.8
FL12M2	12	2	4 M30 @ 500	276	180	403	1.8	3.0	0.9	1.8	n/a	0.8	46.3	5.7
FL15XXL2	15	2	4 M24 @ 350	245	40	580	0.3	0.9	n/a	0.2	n/a	n/a	36.0	4.8
FL15XL2	15	2	4 M30 @ 350	289	60	631	0.6	1.3	n/a	0.5	n/a	n/a	42.9	5.3
FL15L2	15	2	4 M36 @ 500	356	120	524	1.2	2.3	0.3	1.1	n/a	n/a	57.7	6.6
FL15M2	15	2	4 M36 @ 500	391	180	505	1.8	3.1	0.7	1.7	n/a	0.5	72.9	8.0
FL18XL2	18	2	4 M36 @ 500	430	60	718	0.6	1.4	n/a	0.3	n/a	n/a	66.9	7.3
FL18L3	18	3	8 M30 @ 500	517	120	639	1.2	2.3	n/a	1.0	n/a	n/a	82.0	8.1

1 Deflection calculated for serviceability wind load for Region A, terrain category 2.

2 Per AS/NZS 1170.2

3 Ultimate base moment and shear shown is the worst case for the region and terrain categories listed.