

INGAL **EPS**
A valmont  COMPANY



Street Lighting Poles



>> Australia's leading manufacturer of quality pole products with representation in every state and territory.

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A **valmont**  COMPANY



INGAL EPS is a division of Industrial Galvanizers Corporation Pty Ltd which is ultimately owned by Valmont Industries Inc. Actively involved in the Australian pole market since 1969, INGAL EPS has strived to continuously lead the industry in research, design, innovation, quality of product and quality of service. Establishing industry benchmarks such as the Seesaw pole, 60km/h and 110km/h Impact Absorbing poles and the largest steel poles ever installed in both Australia and New Zealand.

The company employs around 150 staff and has offices located in every state and territory of Australia and on the North Island of New Zealand. With manufacturing facilities in Brisbane and Perth and full access to three modern facilities in China owned by Valmont Industries Inc, INGAL EPS is well positioned to meet the broad requirements of the pole market. Due to our extensive experience, national coverage, resources and manufacturing capacity we have the ability to provide the most comprehensive product range available.

The INGAL EPS product range includes:

- Street Lighting poles
- Floodlighting poles
- Power poles
- Lowering Systems, for ease of maintenance
- Special Application poles including banner poles, camera poles, traffic signal and communication poles
- Services & Accessories providing individual design, drafting, installation and accessories including foundation materials, adaptors, headframes and cross arms.

With our dedicated design service, material control, quality assured manufacturing processes and after sales service, INGAL EPS has established itself as Australasia's largest pole supplier. INGAL EPS has over four decades of experience leading the industry in Australia and our ever improving product range and expanded manufacturing resources will continue to ensure we're at the cutting edge of providing new and innovative solutions to a growing and ever more demanding market.



Avenue

INGAL EPS design and manufactures street lighting poles for Category P & V lighting requirements. The Avenue range of poles are predominantly designed for Category P (pedestrian) and are ideally suited for use in residential subdivisions, commercial developments, recreational pathways and parks.

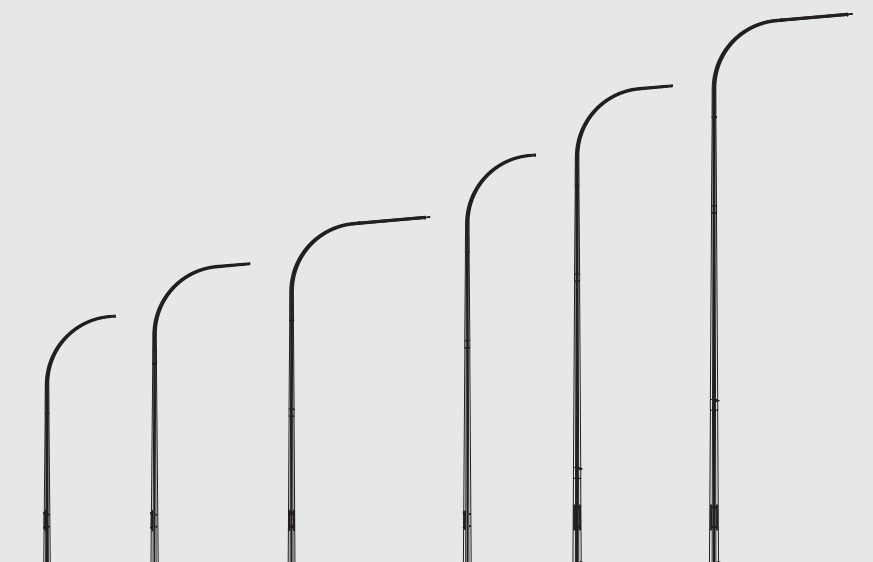
Options and Accessories

- Avenue Street Lighting poles are base plate mounted as standard but can be designed for in-ground mounting
- The poles are hot dip galvanized and can be powder coated or painted in the colour of your choice
- The range is available in tapered octagonal only
- Standard mounting heights are 5.5m to 12m
- Standard outreach lengths are 1.5m to 3m
- The standard poles are depicted on this product sheet, however they can be designed for differing heights and outreach lengths
- Avenue poles are also available in a Seesaw configuration, refer to the Lowering Systems brochure for further information.
- Preassembly
- Pre cabling
- Installation

Product Codes For more information, please refer to the Technical Data Sheet.

Avenue (Tapered Octagonal)					
5.5m	6.5m	7.5m	9m	10.5m	12m
SAL55FSOI15	SAL65FSOI15	SAL75FSOI15	SAL9FSOI15	SAL105FSOI15	SAL12FSOI15
SAL55FSO20	SAL65FSO20	SAL75FSO20	SAL9FSO20	SAL105FSO20	SAL12FSO20
SAL55FSO30	SAL65FSO30	SAL75FSO30	SAL9FSO30	SAL105FSO30	SAL12FSO30
SAL55FDOI15	SAL65FDOI15	SAL75FDOI15	SAL9FDOI15	SAL105FDOI15	SAL12FDOI15
SAL55FDOI20	SAL65FDOI20	SAL75FDOI20	SAL9FDOI20	SAL105FDOI20	SAL12FDOI20
SAL55FDOI30	SAL65FDOI30	SAL75FDOI30	SAL9FDOI30	SAL105FDOI30	SAL12FDOI30

S=Street Lighting A=Avenue L=Light Duty F=Flange Mounted (Base Plate) R=Tapered Round S=Single Outreach D=Double Outreach O=Tapered Octagonal



Standard Avenue Poles

Freeway

The Freeway Street Light range was inspired by the need for greater outreach over wide roadways. The predominantly Category V (vehicular) designed poles are ideally suited for multi-laned roads. The range is an extension of the tapered octagonal Avenue range of poles but, utilises a heavy-duty shaft allowing for outreaches up to 4.5m in length.

Options and Accessories

- The Freeway Street Light range is base plate mounted as standard but can be designed for in-ground mounting
- The poles are hot dip galvanized and can be powder coated or painted in the colour of your choice
- The range is available in tapered octagonal only
- Standard mounting heights are 10.5m to 12m
- Standard outreach lengths are 1.5m to 4.5m
- The standard poles are depicted on this product sheet, however they can be designed for differing height and outreach lengths
- Preassembly
- Pre cabling
- Installation

Product Codes

For more information, please refer to the Technical Data Sheet.

Freeway			
10.5m	10.5m	12m	12m
SFL105FSO15	SFL105FDO15	SFL12FSO15	SFL12FDO15
SFL105FSO20	SFL105FDO20	SFL12FSO20	SFL12FDO20
SFL105FSO30	SFL105FDO30	SFL12FSO30	SFL12FDO30
SFL105FSO45	SFL105FDO45	SFL12FSO45	

S=Street Lighting F=Freeway L=Light Duty F=Flange Mounted (Base Plate) S=Single Outreach D=Double Outreach O=Tapered Octagonal



Freeway Poles



Standard Freeway Poles





Impact Absorbing

INGAL EPS has been the largest supplier of street light poles to Australian road, power and council organisations and their contractors for over 40 years. Often being the original designer of the Impact Absorbing poles they now refer to as their own.

INGAL EPS have been design and manufacturing Impact Absorbing poles since 1979, and were the first to have the designs tested to the relevant standard (AS/NZS 1158.1.3) for both 60km/h and 110km/h zones. Under design criteria and circumstances, the poles will stop a vehicle and minimise the force on the vehicle's occupants. The pole remains attached to the base structure and absorbs impact energy progressively, entrapping the impacting vehicle as the pole deforms. An impact absorbing pole looks similar to a normal rigid pole but features innovative vertical slots at the base to create a cushioning effect if the pole is hit by a vehicle. Standard height and outreach lengths vary according to relevant authority specifications.

Options and Accessories

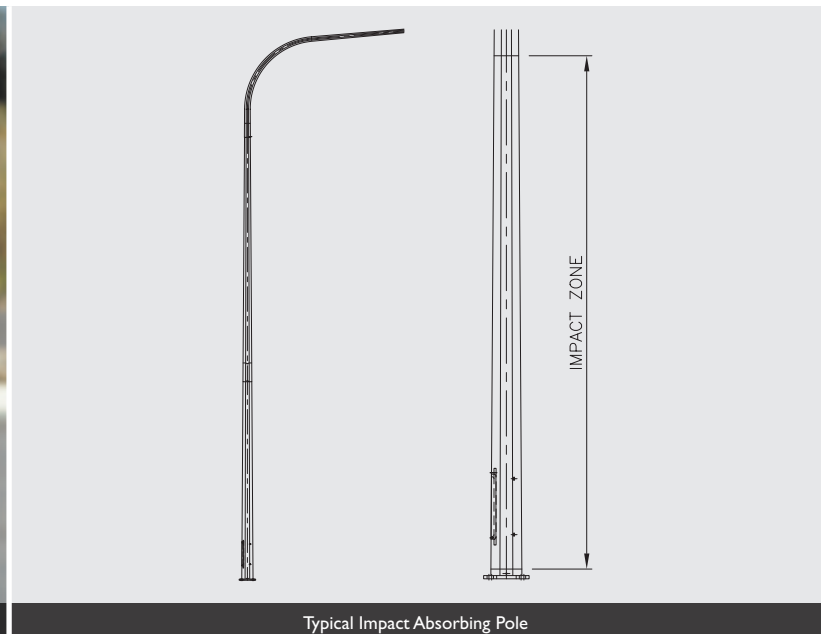
- Impact Absorbing poles can be either base plate or in-ground mounted
- The poles are hot dip galvanized and can be powder coated or painted in the colour of your choice
- Available in tapered round and tapered octagonal
- Mounting heights and outreach lengths vary according to the relevant authority's specification
- Standard Australian road and power authority poles are depicted on this product sheet, however varying heights and outreach lengths can be designed for your application
- Design, testing and certifying of Impact Absorbing pole designs
- Preassembly
- Pre cabling
- Installation

Organisations we supply Impact Absorbing Poles for include:

- ActewAGL (ACT)
- Adelaide City Council (SA)
- Aurora Energy (Tas)
- Country Energy (NSW)
- Department of Transport, Energy & Infrastructure (SA)
- Energy Australia (NSW)
- ETSA Utilities (SA)
- Horizon Power (WA)
- Integral Energy (NSW)
- Jemena (Vic)
- Main Roads (WA)
- NT Roads (NT)
- Powercor (Vic)
- Power & Water (NT)
- Roads & Traffic Authority NSW (NSW)
- SP AusNet (Vic)
- Tenix Alliance (Vic)
- VicRoads (Vic)
- Western Power Corporation (WA)



Impact Absorbing pole shaft



Typical Impact Absorbing Pole

Slip Base

INGAL EPS has been the largest supplier of street light poles to Australian road, power and council organisations and their contractors for over 40 years. Often being the original designer of the Slip Base poles they now refer to as their own.

The revolutionary engineering design of Slip Base poles enables the pole to slip at the base and fall if a collision occurs. This ideally suits freeways and other high-speed roadways where the likelihood of a secondary accident, resulting from the falling pole, is accepted as being unlikely. The standard height and outreach lengths vary according to relevant authority specifications.

Options and Accessories

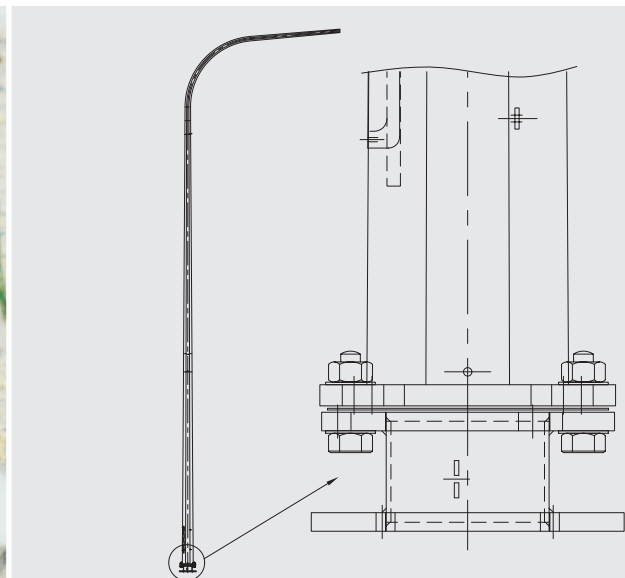
- Slip Base Poles are base plate mounted, either on an in-ground section or concrete foundation
- The poles are hot dip galvanized and can be powder coated or painted in the colour of your choice
- Slip Base poles are available in tapered round and tapered octagonal
- Standard Australian road authority poles are depicted on this product sheet, however varying heights and outreach lengths can be designed for your application
- Design, testing and certifying of Slip Base Pole designs
- Preassembly
- Pre cabling
- Installation

Organisations we supply Slip Base Poles for include:

- Brisbane City Council (Qld)
- Country Energy (NSW)
- Department of Transport, Energy & Infrastructure (SA)
- Energex (Qld)
- Energy Australia (NSW)
- Ergon Energy (Qld)
- Jemena (Vic)
- Main Roads Qld (Qld)
- Main Roads (WA)
- NT Roads (NT)
- Power & Water (NT)
- Powercor (Vic)
- Roads & Traffic Authority NSW (NSW)
- SP AusNet (Vic)
- Tenix Alliance (Vic)
- VicRoads (Vic)



Close up of slip area



Typical Slip Base arrangement



Technical Information

NOMINAL HEIGHT (m)	CATALOGUE No.	POLE DIAMETER		DOOR SIZE L x W (mm)x(mm)	BOLTS
		TOP (mm)	BOT. (mm)		
Avenue (Tapered Octagonal Single Outreach)					
5.5	SAL55FSO15	43	144	295 X 90	4M20@233
5.5	SAL55FSO20	43	144	295 X 90	4M20@233
5.5	SAL55FSO30	57	144	295 X 90	4M20@233
6.5	SAL65FSO15	43	160	295 X 90	4M20@233
6.5	SAL65FSO20	43	160	295 X 90	4M20@233
6.5	SAL65FSO30	57	160	295 X 90	4M20@233
7.5	SAL75FSO15	43	151	295 X 90	4M24@350
7.5	SAL75FSO20	43	151	295 X 90	4M24@350
7.5	SAL75FSO30	57	151	295 X 90	4M24@350
9	SAL9FSO15	43	171	295 X 110	4M24@350
9	SAL9FSO20	43	171	295 X 110	4M24@350
9	SAL9FSO30	57	171	295 X 110	4M24@350
10.5	SAL105FSO15	43	182	410 X 110	4M24@350
10.5	SAL105FSO20	43	182	410 X 110	4M24@350
10.5	SAL105FSO30	57	182	410 X 110	4M24@350
12	SAL12FSO15	43	201	410 X 110	4M24@350
12	SAL12FSO20	43	201	410 X 110	4M24@350
12	SAL12FSO30	57	201	410 X 110	4M24@350
Avenue (Tapered Octagonal Double Outreach)					
5.5	SAL55FDO15	43	144	295 X 90	4M20@233
5.5	SAL55FDO20	43	144	295 X 90	4M20@233
5.5	SAL55FDO30	57	144	295 X 90	4M20@233
6.5	SAL65FDO15	43	160	295 X 90	4M20@233
6.5	SAL65FDO20	43	160	295 X 90	4M20@233
6.5	SAL65FDO30	57	160	295 X 90	4M20@233
7.5	SAL75FDO15	43	151	295 X 90	4M24@350
7.5	SAL75FDO20	43	151	295 X 90	4M24@350
7.5	SAL75FDO30	57	151	295 X 90	4M24@350
9	SAL9FDO15	43	171	295 X 110	4M24@350
9	SAL9FDO20	43	171	295 X 110	4M24@350
9	SAL9FDO30	57	171	295 X 110	4M24@350
10.5	SAL105FDO15	43	182	410 X 110	4M24@350
10.5	SAL105FDO20	43	182	410 X 110	4M24@350
10.5	SAL105FDO30	57	182	410 X 110	4M24@350

NOMINAL HEIGHT (m)	CATALOGUE No.	POLE DIAMETER		DOOR SIZE L x W (mm)x(mm)	BOLTS
		TOP (mm)	BOT. (mm)		
Avenue (Tapered Octagonal Double Outreach) <i>continued</i>					
12	SAL12FDO15	43	201	410 X 110	4M24@350
12	SAL12FDO20	43	201	410 X 110	4M24@350
12	SAL12FDO30	57	201	410 X 110	4M24@350

The maximum top weight has been allowed for in all cases to determine the maximum sail area.

Freeway (Tapered Octagonal Single Outreach)					
10.5	SFL105FSO15	96	216	460 X 130	4M24@350
10.5	SFL105FSO20	90	216	460 X 130	4M24@350
10.5	SFL105FSO30	79	216	460 X 130	4M24@350
10.5	SFL105FSO45	63	214	460 X 130	4M24@350
12	SFL12FSO15	96	235	460 X 130	4M24@350
12	SFL12FSO20	90	235	460 X 130	4M24@350
12	SFL12FSO30	79	235	460 X 130	4M24@350
12	SFL12FSO45	63	232	460 X 130	4M24@350
Freeway (Tapered Octagonal Double Outreach)					
10.5	SFL105FDO15	96	216	460 X 130	4M24@350
10.5	SFL105FDO20	90	216	460 X 130	4M24@350
10.5	SFL105FDO30	79	216	460 X 130	4M24@350
10.5	SFL105FDO45	68	214	460 X 130	4M24@350
12	SFL12FDO15	96	235	460 X 130	4M24@350
12	SFL12FDO20	90	235	460 X 130	4M24@350
12	SFL12FDO30	79	235	460 X 130	4M24@350



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To view our entire product range, or for the most up to date product information,
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