



Multipole™

Smart City Solutions

**Leaders in cost effective, sustainable
aluminium multifunction pole systems.**

Multipole™ is part of the Goldspar Group.

Form |
Function |
Style |



RENDERED IMAGE

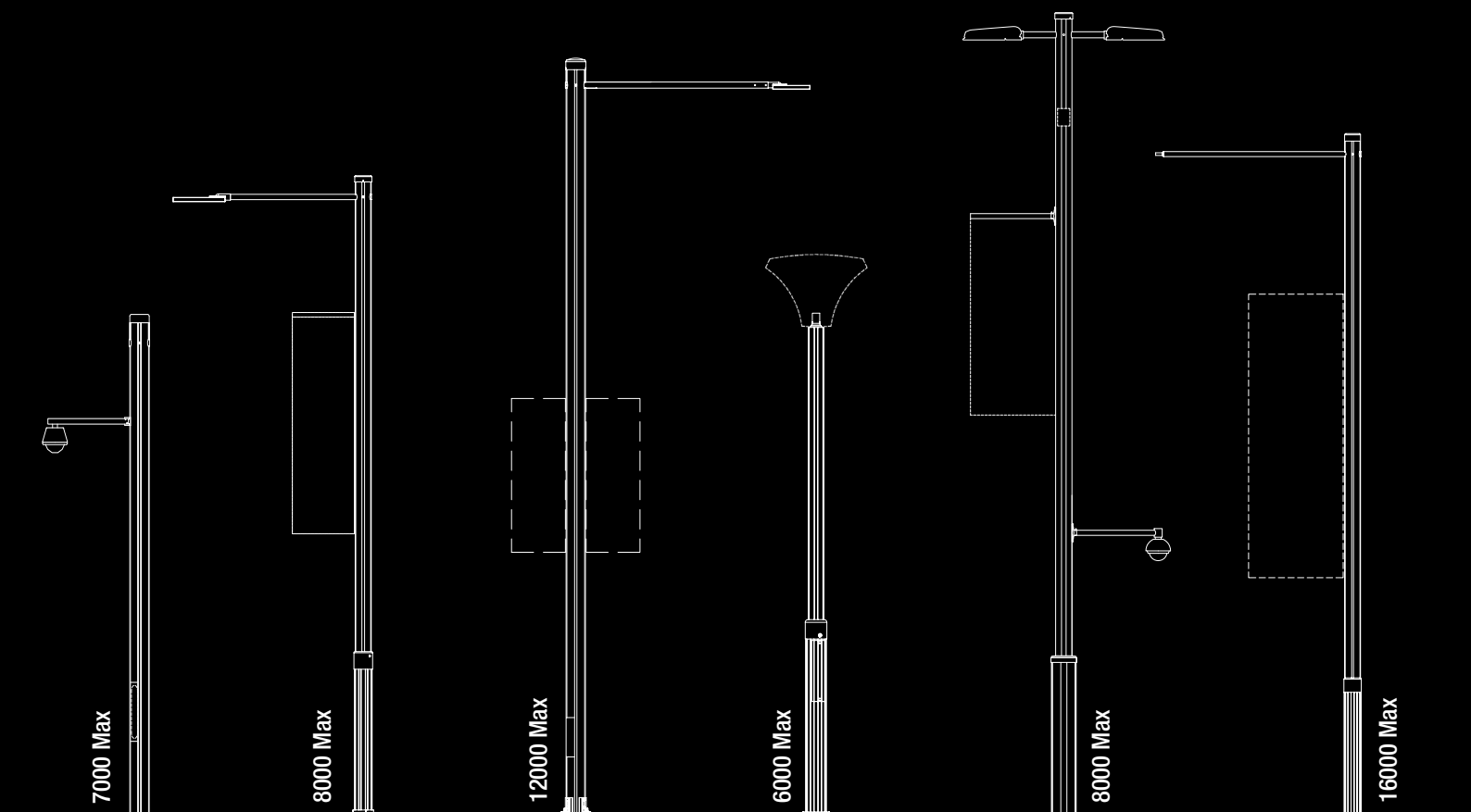
CANBERRA, ACT

RENDERED IMAGE

BYRON BAY, NSW

RENDERED IMAGE

CASTLE HILL, NSW



161 Series

201 SERIES

232 SERIES

TUGGERANONG

ESTATE

SERIES 267

CATEGORY: Multifunction
+ Pedestrian Street
Lighting Poles

CATEGORY: Multifunction
+ Pedestrian Street
Lighting

CATEGORY: Multifunction,
Banner + Solar Street
Lighting Poles

CATEGORY: Multifunction
+ Pedestrian Street
Lighting Poles

CATEGORY: Multifunction Solar,
Banner, CCTV/Security +
Decorative Street Lighting Poles

CATEGORY: Multifunction,
Solar + Banner Street
Lighting Poles

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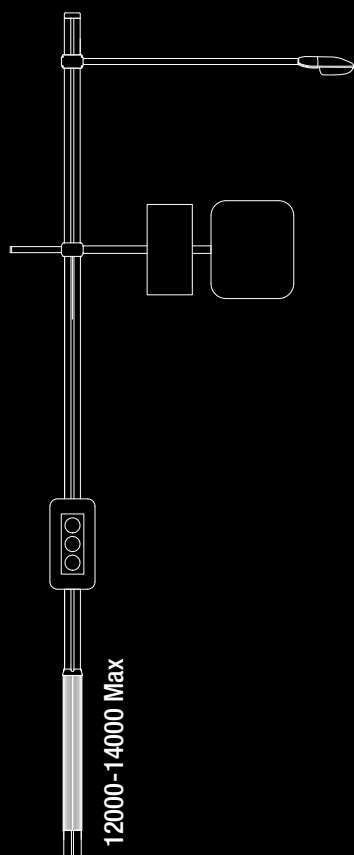
CHATSWOOD, NSW

PARAMATTA, NSW

MONA VALE ROCKPOOL, NSW

ELIZABETH QUAY, WA

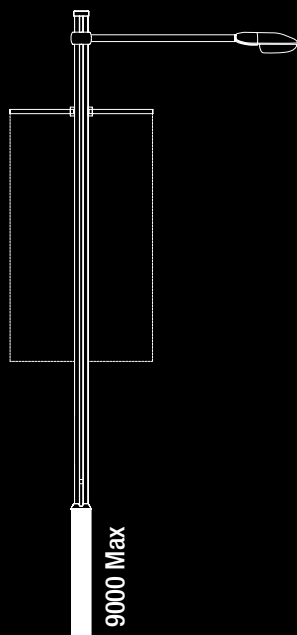
DOHA, QATAR (UAE)



300 SERIES MAXI

CATEGORY: Multifunction +
Pedestrian Street
Lighting Poles

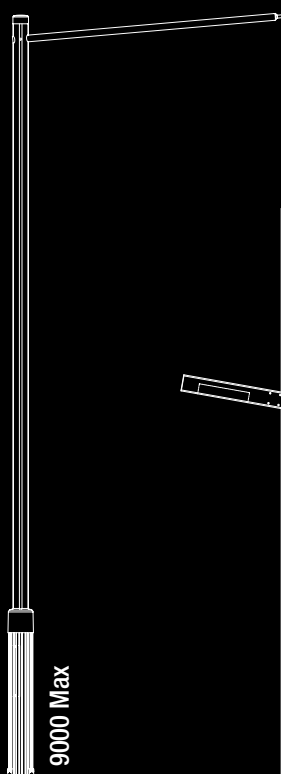
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300 SERIES MINI

CATEGORY: Multifunction, CCTV/
Security + Pedestrian Street
Lighting Poles

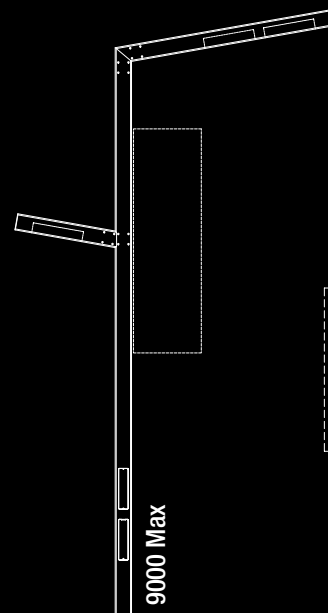
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AMAC

CATEGORY: Multifunction
+ Solar Street
Lighting Poles

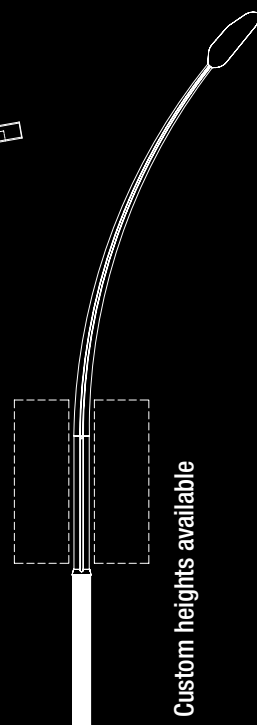
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SERIES 240s

CATEGORY: Multifunction +
Decorative Street
Lighting Poles

Page 12



BESPOKE

CATEGORY: Custom Designs
Page 13 + more available
online

OUR BUSINESS

About us

Multipole™ is a product of the greater Goldspar Australia Group of Companies. Our Sydney based company has been in the tubular aluminium products business since 1979 when it was founded by design engineer, Douglas Rawson-Harris. In 1997, Doug designed and developed the award winning, first ever multi-function light pole system known as the Smartpole. He later went on to develop the impact-absorbing frangible Multipole™, the new generation of aluminium multi-function smart poles.

Multipole

Multipole™ is a multi-function column system that delivers a platform to house and support today's digital infrastructure growth in the streetscape of urban city centres. As a city develops, information technology is now the principal infrastructure needed to be placed on the streets. As such, we have carefully designed and developed many accessories for the Multipole™ to be attached upon installation or retrofitted over time as necessary. With our in house design capability, own fabrication and assembly facilities, we can provide customers with customized products to personalize their smart city streetscape.

Goldspar

As part of the Goldspar Group, Multipole™ design and manufacture a range of park light poles, tapered poles, sporting goal posts, flag poles, banner poles, sailing products, and more.

What sets us apart

Technological Reach – Our solution to accommodate these developing technologies is Multipole™, a modular aluminium pole system with Multifunctional ability through an integrated bracketing system that enables many applications to be attached to one pole thus reducing street clutter and allowing for the seamless addition and removal of applications as technology changes over time.

Sustainability – Aluminium light poles have a carbon footprint considerably less than that of a steel equivalent especially over a life span basis. With the ability to be recycled, and being one third the weight of steel, overall cost and labour requirements are reduced.

Minimal Maintenance – Our products boast a low maintenance, transport, labour and installation cost, self-cleaning capabilities, graffiti resistance due to available finishes, and non-corroding aluminium. Additionally, customers have the ability to replace components at a low cost if damaged.

Strength – Our poles are constructed from Marine Grade Series 6000 structural aluminium. This provides a yield strength that matches mild steel for a similar cost. Advanced design, absence of welded joints and extrusion profiles add to the strength. All Multipole™ light poles are independently certified by qualified engineers.

Rivlok

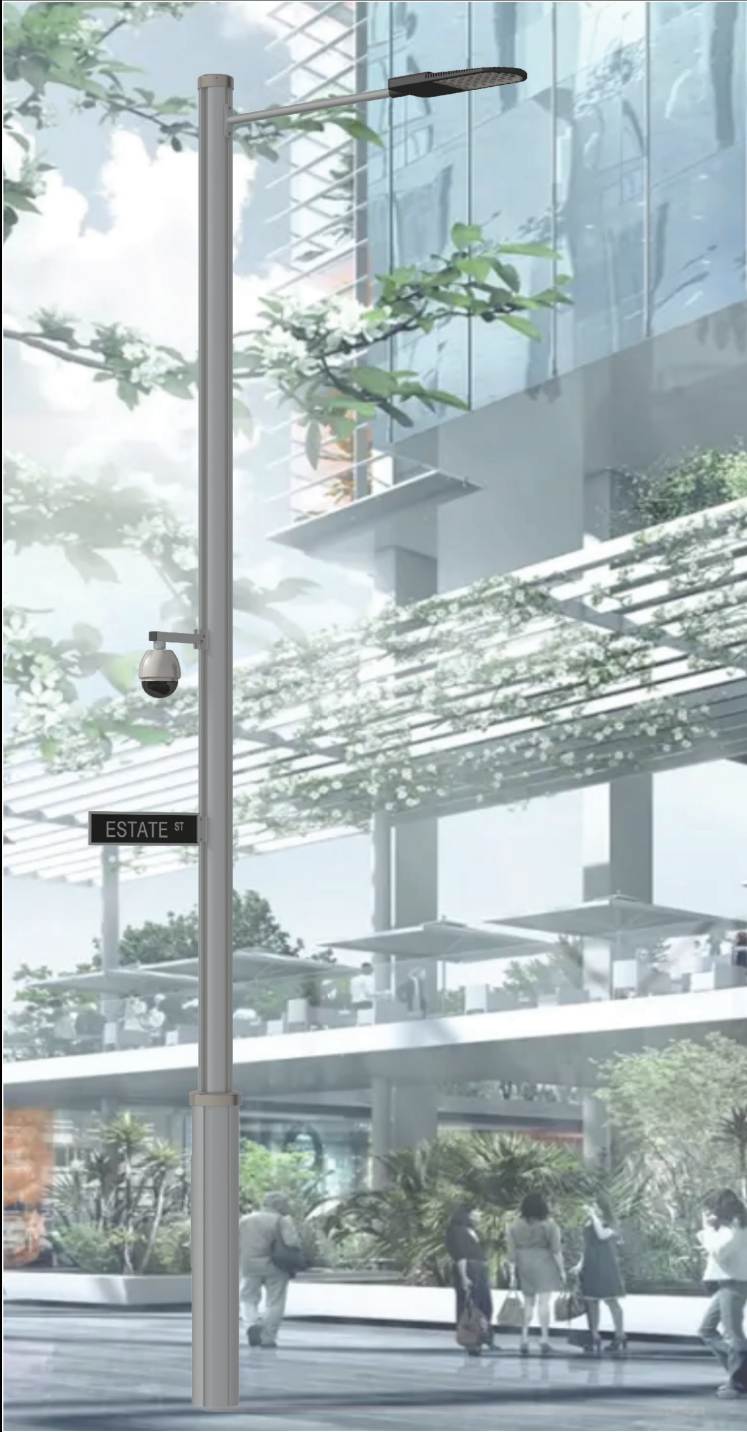
Rivlok™ is our patented security screw system that comprises a smooth headed screw that is driven into position using a special tool that relies on friction to operate.

This produces a vandal proof range of fasteners that makes extraction of the bolt or screw almost impossible without the matching driver. These fasteners can only be tightened or removed by using specific matching friction drive tools for each head configuration and fastener material combination.

The range of fasteners covers numerous head shapes, lengths, materials and thread combinations. The name Rivlok™ was derived from the fact that when the screw was in place it closely resembles the head of a rivet.



YAGAN SQUARE, PERTH - WESTERN AUSTRALIA
MULTIPOLE 300 MAXI SERIES



MAST 168MM

BASE 229MM

AVAILABLE HEIGHTS UP TO 8M

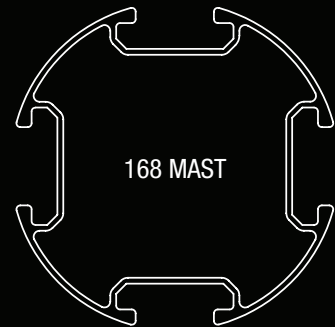
WEIGHT PER METRE 9-10KGS

DEFLECTION LIMIT SPECIFIED UPON REQUEST

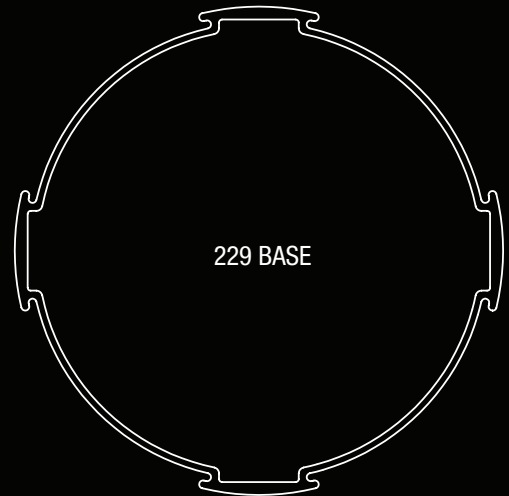
FINISH OPTIONS ANODISED OR POWDER COATED

MATERIAL STRUCTURAL ALUMINIUM

SUITABILITY ALL



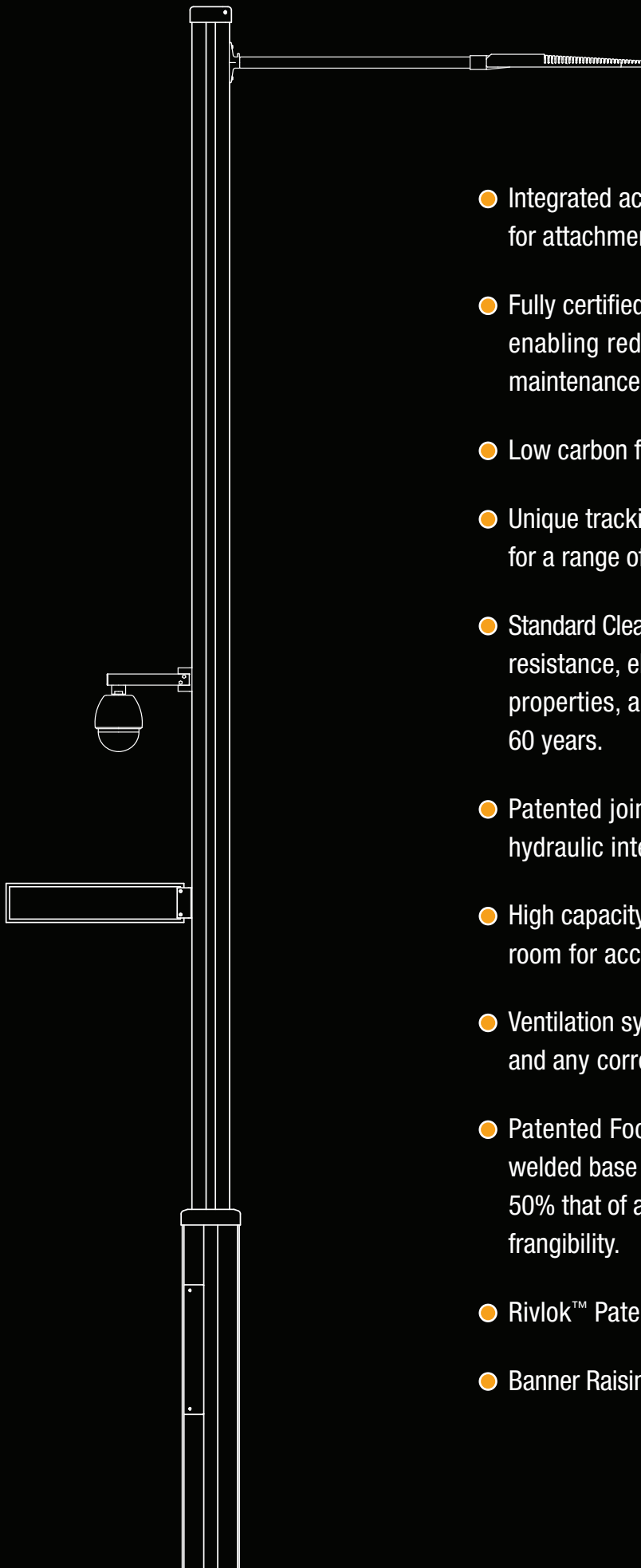
168 MAST



229 BASE

The Multipole™ Estate Pole is our leading multi-function pole system that has been designed to offer a cost-efficient aluminium pole that remains future proofed to accept changing technology. Designed to accommodate a range of accessories, the poles can carry additional applications such as signage, CCTV & security equipment, banner arms and a range of solar options. The design suits fittings of banners with arms capable of being easily raised and lowered without the aid of access platform equipment. The strength and construction of the structural marine grade aluminium provides the stability needed for any accessory or support arm. For seamless CCTV operation, a range of CCTV support arms are available for enabling cameras to be located at any position on the poles. Hatches for access into the poles are additionally secured by our patented Rivlok™ security screw making access to the electronics close to impossible without a special tool. The Multipole™ Estate allows for additional strengthening sleeves to be incorporated to support additional loading; such as RMS traffic signal attachments.

NEW Multipole™ Estate



- Integrated accessory mounting system to allow for attachment, removal and retro-fitting.
- Fully certified lightweight aluminium structure enabling reduced installation, transport and maintenance costs.
- Low carbon footprint and corrosion resistant.
- Unique tracking and bracket system fabricated for a range of configurations.
- Standard Clear Anodised finish applied for abrasion resistance, elimination of oxidisation, self-repair properties, and a life span generally exceeding 60 years.
- Patented joining system utilising four unique hydraulic integral fusion joints.
- High capacity base section resulting in generous room for accommodating internal fitments.
- Ventilation system to minimize internal humidity and any corrosion prone moisture build up.
- Patented Footing Systems remove reliance on welded base plates, increase strength, cost only 50% that of a base plate, and have robust inbuilt frangibility.
- Rivlok™ Patented Security Fastener System.
- Banner Raising System available for attachment.

Key Features



PARRAMATTA, NSW

MAST 214MM

BASE 234MM

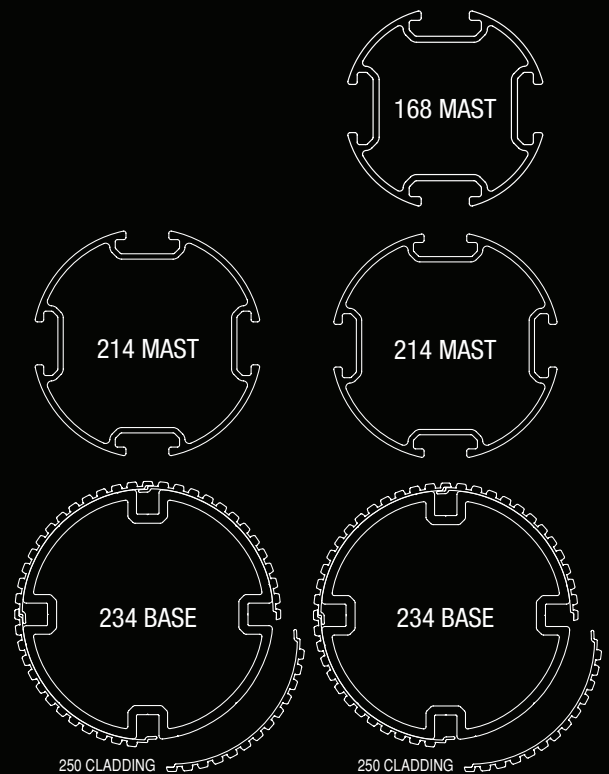
AVAILABLE HEIGHTS 6-12M WITH EXTRA UPPER
MAST AVAILABLE BETWEEN
10-14M

WEIGHT PER METRE 18.9KGS

DEFLECTION LIMIT SPECIFIED UPON REQUEST

FINISH OPTIONS ANODISED OR POWDER COATED

MATERIAL STRUCTURAL ALUMINIUM

SUITABILITY HIGHWAYS, MAJOR + LOCAL
ROADS, PEDESTRIAN
PRECINCTS, CAR PARKS
AND SPORTS GROUNDS.


The new Multipole™ Series 300 Maxi is a modernized design of our original 1997 award winning Smartpole design. The new generation design features the removal of all reliance on steel components, an overall reduced cost all the way from manufacturing to installation, removal of the use of expensive castings, and elimination of welded joints (a weak point regarding corrosion risk). The Multipole system is a modular and flexible system that delivers a wide range of options from a small number of components; including banner raising systems and more. This design comprises variations in pole configuration for further ease of modularity. The Maxi allows for the optional addition of a 168mm Upper Mast where the maximum pole height can be increased up to 14m without compromising structural integrity.

Multipole™ 300 Series Maxi

MAST 168MM

BASE 214MM

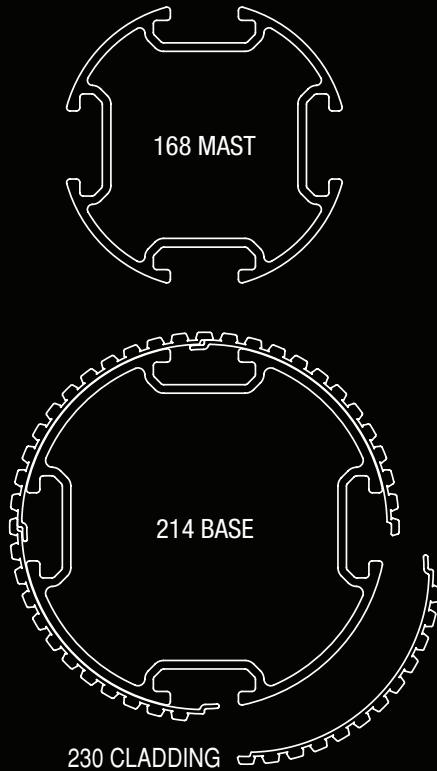
AVAILABLE HEIGHTS 3.5-9M

WEIGHT PER METRE 18.9KGS

DEFLECTION LIMIT SPECIFIED UPON REQUEST

FINISH OPTIONS ANODISED OR POWDER COATED

MATERIAL STRUCTURAL ALUMINIUM

SUITABILITY HIGHWAYS, MAJOR + LOCAL
ROADS, PEDESTRIAN
PRECINCTS, CAR PARKS
AND SPORTS GROUNDS.


CUSTOM RENDERING

The new Multipole™ Series 300 Mini is again a modernized design of our original 1997 award winning Smartpole design. However, the mini boasts a manufacturing height starting at just 3.5 metres. This difference in height availability broadens areas of suitability substantially. The new generation ‘Mini’ design similarly features a removal of all steel components and expensive castings, reduced manufacturing and installation cost, and elimination of welded joints which can be a weakness and vulnerable to corrosion. The Mini series is perfectly suited to fit an array of banner systems and other modular accessories for your specific streetscape needs.

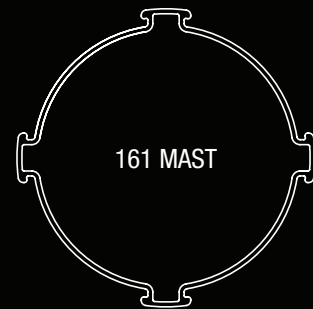
Multipole™ 300 Series Mini



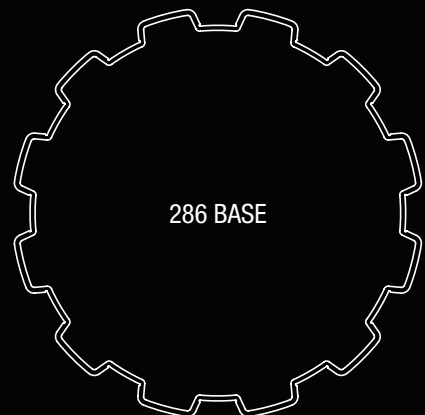
CASTLE HILL, NSW

MAST 161MM**BASE 286MM****AVAILABLE HEIGHTS 4-9M****WEIGHT PER METRE 11.1KGS****DEFLECTION LIMIT SPECIFIED UPON REQUEST****FINISH OPTIONS ANODISED OR POWDER COATED****MATERIAL STRUCTURAL ALUMINIUM**

**SUITABILITY HIGHWAYS, MAJOR + LOCAL
ROADS, PEDESTRIAN
PRECINCTS, CAR PARKS,
SPORTS GROUNDS, ESTATES,
FOOTPATHS, INDUSTRIAL
COMPLEXES, WHARFS AND
JETTIES.**



161 MAST



286 BASE

The Multipole™ AMAC multifunction light pole delivers a solution whereby many urban streetscape applications can be assembled on a single pole rather than a series of poles with individual applications. This frees up space and improves the environment visually and operationally. The AMAC Series is, like all other designs within our range, an impact absorbing frangible pole by nature making it dynamic in structural performance under complex loads and conditions. The pole profile also allows batteries for any attached solar electronics to be carried safely and securely within the pole. As such, the AMAC is a landmark design for the showcasing of our Rivlok™ patented security screw system.

Multipole™ AMAC

MAST 232MM

BASE 267MM

AVAILABLE HEIGHTS UP TO 16M

WEIGHT PER METRE 16.6KGS

DEFLECTION LIMIT SPECIFIED UPON REQUEST

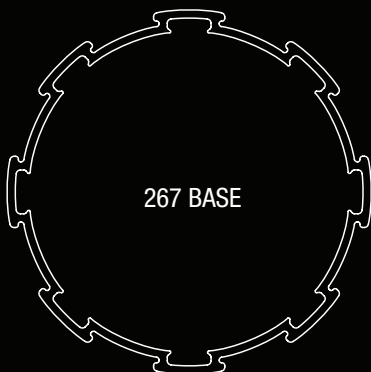
FINISH OPTIONS ANODISED OR POWDER COATED

MATERIAL STRUCTURAL ALUMINIUM

SUITABILITY HIGHWAYS, MAJOR + LOCAL
ROADS, PEDESTRIAN
PRECINCTS, CAR PARKS,
FOOTPATHS, TOURIST
ATTRACTIONS AND SPORTS
GROUNDS.



232 MAST



267 BASE



CANBERRA, ACT

The Multipole™ Series 267 is aesthetically and meticulously designed and manufactured to function as a modular pole ideal for supporting a range of CCTV and security fittings, RMS attachments and traditional or solar light fittings; available with twin or single light arm options. The pole base delivers a frangible system for improved safety in all locations. As such, the Multipole™ 267 Series is an impact absorbing frangible pole by nature. The Multipole™ Series 267 is also approved by traffic authorities to take traffic signals. With functional capabilities beyond that of other industry competitors, additional bespoke options such as laser engraved logos and other decorative customisations make the Multipole™ Series 267 perfect for your streetscape upgrade.

Multipole™ 267 Series



ELIZABETH QUAY, WA

SQUARE SECTION 240MM
BASE AND MAST

AVAILABLE HEIGHTS 4-9M

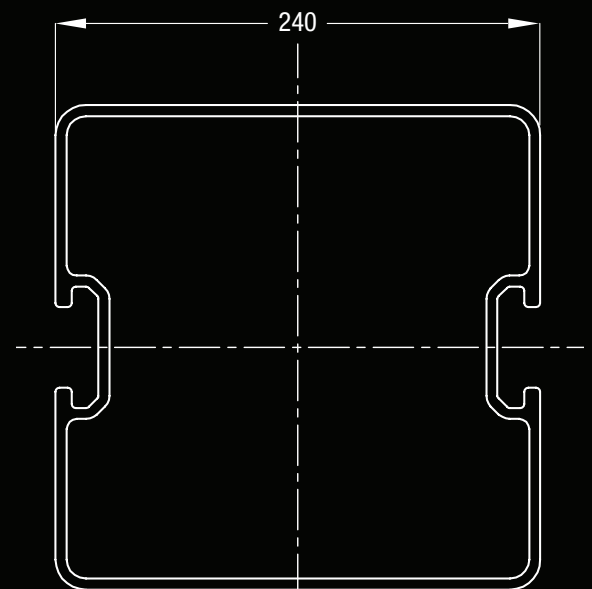
WEIGHT PER METRE 22.2KGS

DEFLECTION LIMIT SPECIFIED UPON REQUEST

FINISH OPTIONS ANODISED OR POWDER
COATED

MATERIAL STRUCTURAL ALUMINIUM

SUITABILITY HIGHWAYS, MAJOR + LOCAL
ROADS, PEDESTRIAN
PRECINCTS, CAR PARKS,
SPORTS GROUNDS, FOOTPATHS,
PARKS, GARDENS, AND
RESIDENTIAL ESTATES.



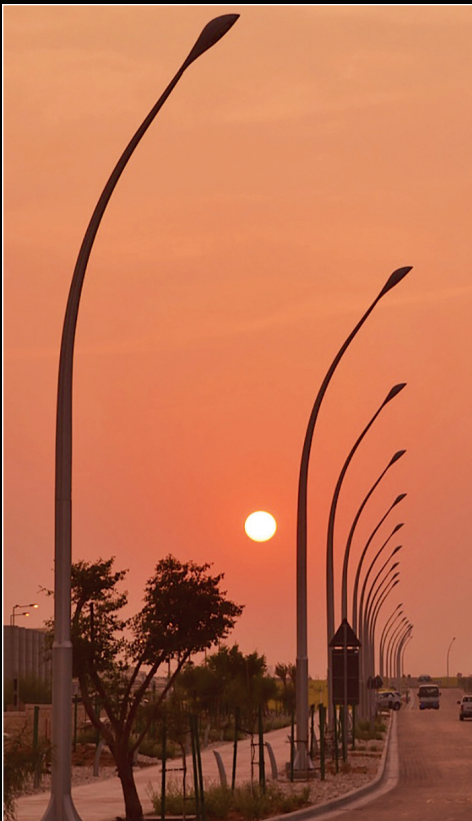
The Multipole™ Series 240s was introduced as a custom design for a high-profile Elizabeth Quay project in Perth, Western Australia. The pole was designed as an angular and modern square pole with two incorporated accessory tracks to allow attachment of many available accessories. The pole was brought to fruition and added to our core product range as it offered flexibility for attachment of accessories, was corrosion resistant in a harsh marine environment, had a superior anodised finish and a beautifully contemporary aesthetic. The 240s is truly the embodiment of the form, function, and style that Multipole™ has to offer.

Multipole™ Series 240s



ELIZABETH QUAY, PERTH, WA

2017 AIA WA JOHN SEPTIMUS ROE AWARD FOR URBAN DESIGN
2017 (UDIA) WA URBAN RENEWAL AWARD FOR EXCELLENCE



DOHA QATAR



PALM BEACH



CHINA TOWN

Options are
only limited by
imagination

Multipole™ Bespoke Designs

Who Is Goldspar?

Goldspar is Australia's leader in design and manufacture of innovative urban streetware and lighting. Over 35 years of manufacturing experience combined with the skills of a dynamic design and engineering team have seen Goldspar products set the standard for street lighting pole systems. Today, Goldspar products feature in prominent locations throughout Australia, New Zealand and the world.

Why Aluminium?

Aluminium will not peel, crack or rust due to a natural protective oxide layer. Aluminium requires minimal care, cleaning and maintenance. Aluminium retains a recycling and resale value and will never pollute the environment. Aluminium light poles also have a proven service life in excess of 85 years. Additionally, Goldspar's standard aluminium designs offer frangibility without the need for a shear base. The advantages of aluminium make it the obvious choice.

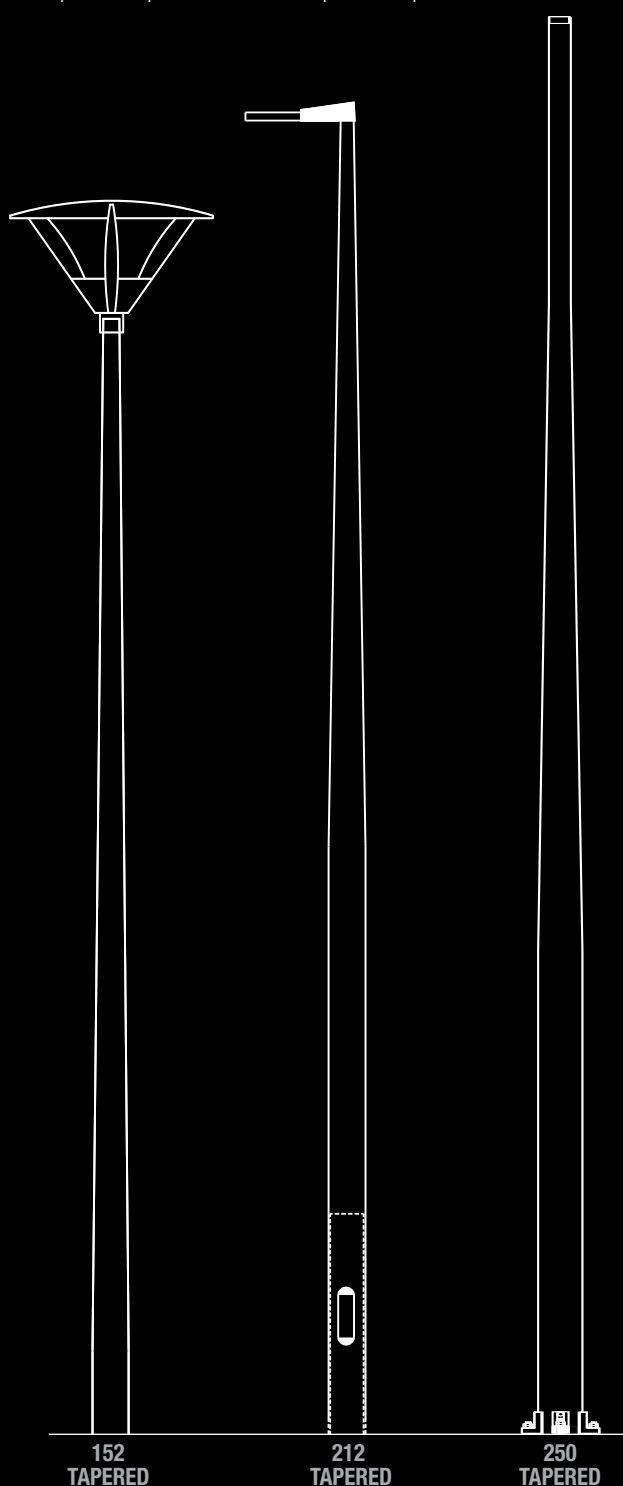
Why Tapered Poles?

Using our in-house tapering facilities Goldspar produce a range of high quality aluminium tapered poles for a range of applications. Our popular tapered poles are extensively used in streets, parks, gardens, schools, housing estates, and industrial developments around Australia and globally. Our Tapered Poles are manufactured and designed with a high strength but lightweight composition making them easy to handle, transport and install. Options include straight and curved outreach arms. Poles can be set in the ground or supplied welded to a cast aluminium base plate. Outreach arms for light poles are available in two types; Type A Curved – for lights or signs, and Type B Straight tapered. Pole end caps are of solid cast or machined aluminium, welded, glued or rivetted in place depending on pole requirements or finish. Our aluminium tapered products can be produced with a variety of metal finishes including anodising in a range of colours, anodic film thicknesses and powder coating to suit any specification.

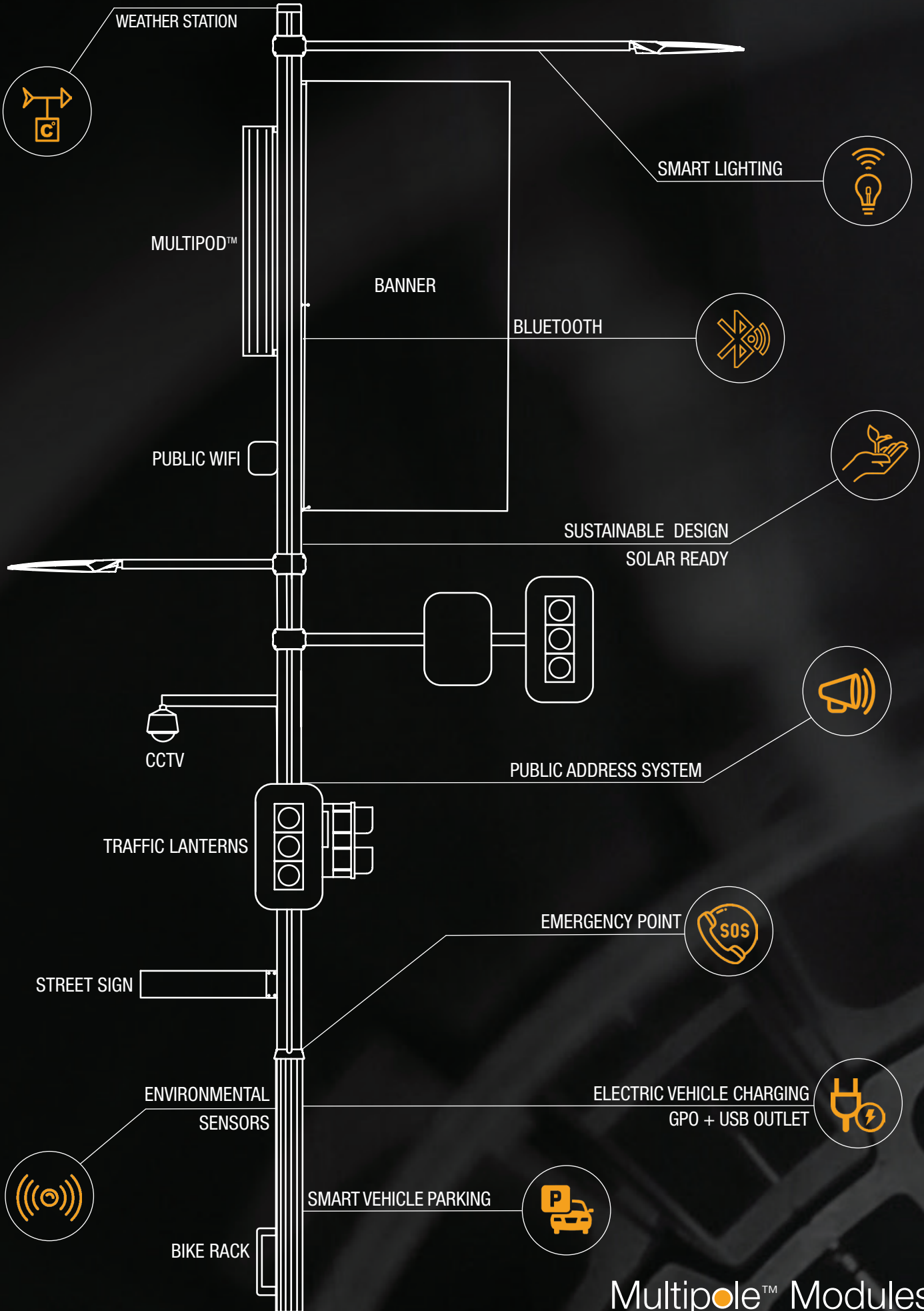
SERIES	MAX HEIGHT	D1	D2
152	7000	63/76/80/110	152
212	9000	76/100	212
250	15000	100-115	250

Structural Note: Tapered products comply with Australian Standards (AS1170.2-1989) from high quality 6000 Series T6 aluminium tube. Structural engineering certifications available upon request. Custom heights & diameters also available as bespoke options.

Multipole™ is part of the Goldspar Group.



Tapered Poles





CETENARY SQUARE, PARRAMATTA - SYDNEY, AUSTRALIA
MULTIPOLE 300 SERIES MINI

Multipole™ design and produce aesthetic aluminium banner poles designed for a range of applications. Our Banner Raising System sets us apart with a unique design which enables banners to be hung as single or twin arrangements with poles certified to a height of 12m. Once the system is securely installed, banners can be changed easily from ground level enabling banner arms to be raised and lowered like a flag on a flag pole. This system completely removes the need for a cherry picker or access platform to change banners. Banner poles are suitable for many locations including pedestrian precincts, footpaths, tourist attractions, civic centres, roadways and estates. Installation information including videos and step by step guides are available upon request or at our new website www.multipole.com.au

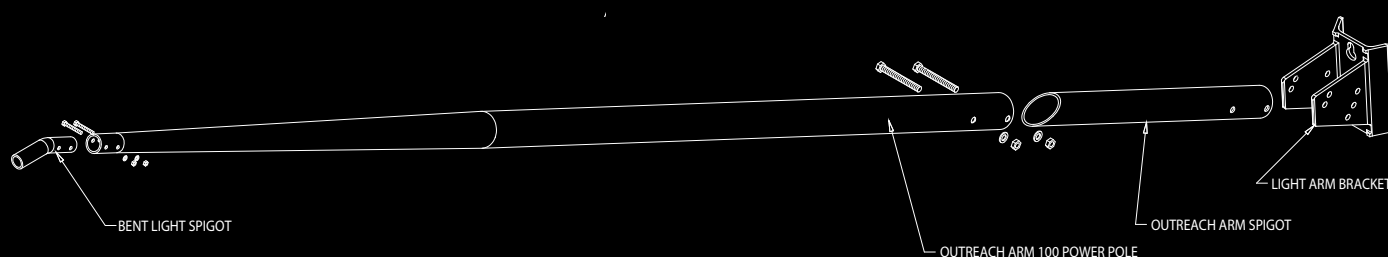
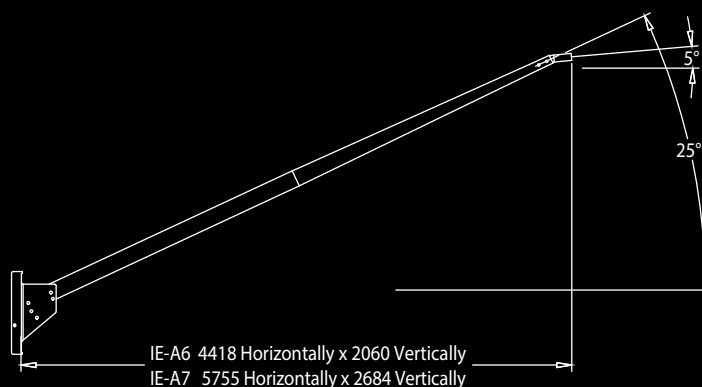
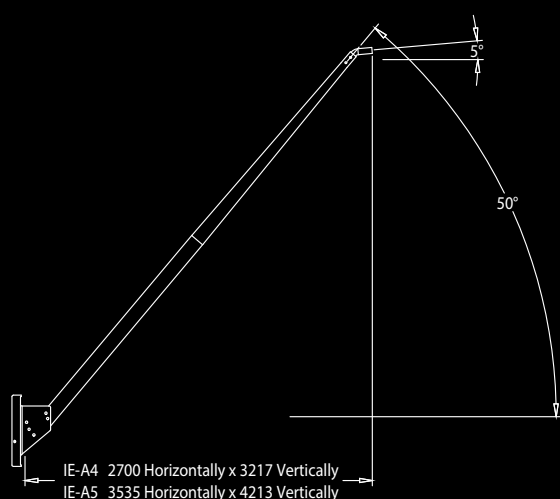
Multipole™ Banner Raising System



UNIVERSAL LIGHT ARM BRACKET



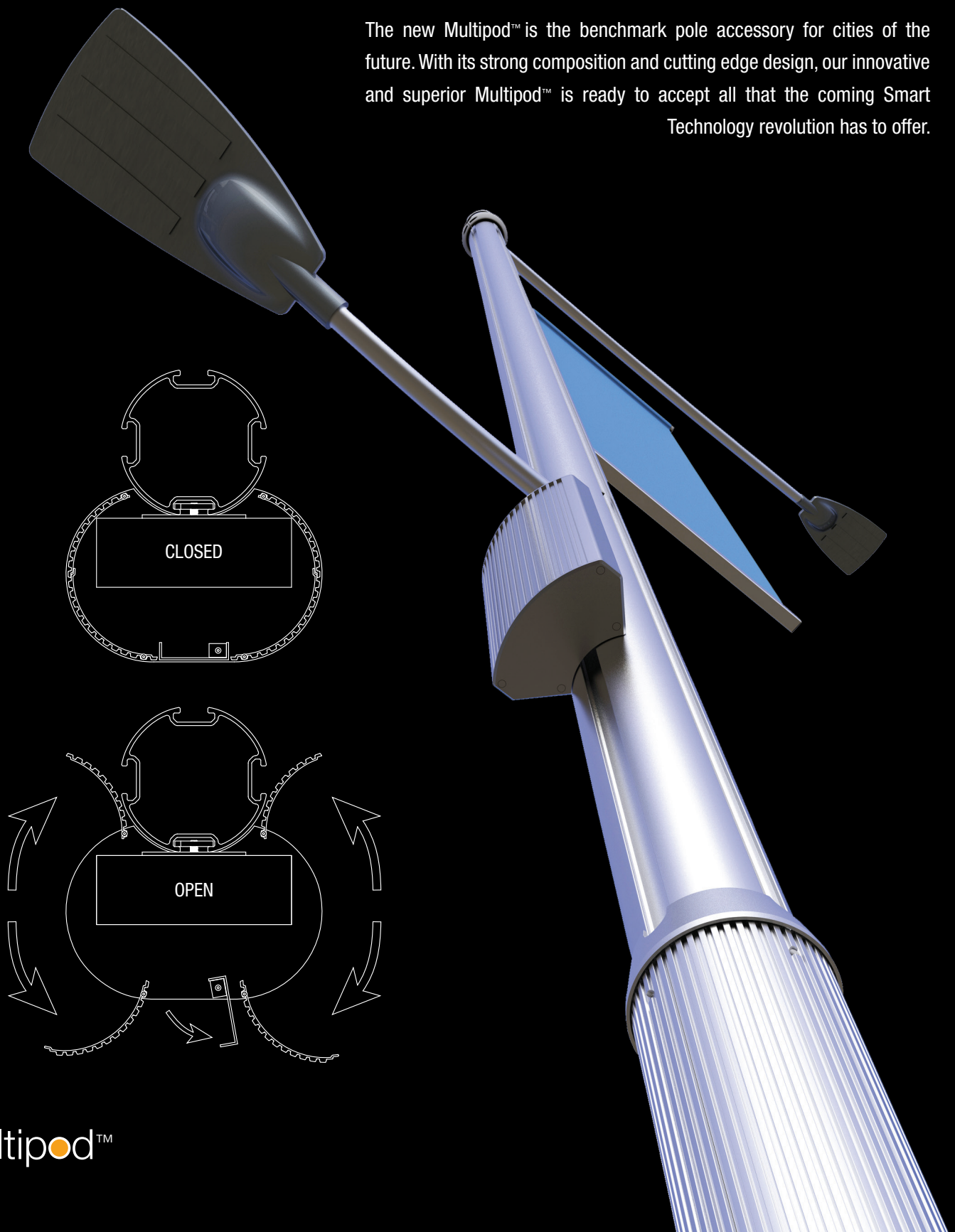
UNIVERSAL LIGHT ARM



Our Universal Light Arm is an aluminium light arm designed to be attached to timber, steel or concrete poles. Made of marine grade structural aluminium it comprises an extruded bracket and a range of tapered tubes giving various options as to length and angle of the arm. Due to being all aluminium, the arms are one third the weight of their steel equivalent giving advantages from an OH&S perspective, ease of installation, and long life. The arms can carry up to 32kgs of light fitting at 6m outreach. Being modular in design, arm length and set up angle can be decided on site by bolting together modules to suit the length required. The arms are suitable for attachment to concrete, timber or steel poles. They are especially suitable for retrofitting existing poles where steel arms require replacement. Various light spigot arrangements available.

The growth of Smart Communities around the world has meant that information technology is now a principle infrastructure that needs to be placed on the streets to accommodate today's communication, security and IOT applications. Multipole™ Multi-function pole systems deliver a platform to house and support today's Smart City digital infrastructure with the flexibility to accommodate future innovation. Multipole™ is the brand of manufacturer Goldspar Australia. Formed in 1979, Goldspar was the original designer of the award winning Smartpole concept. Our products have continuously evolved and comprise a range of all aluminium multi-function smart columns and accessories such as the Multipod™. Our Multipods™ are being installed across Australia by Telcos for the impending 5G deployment and all around the world in order to compliment tomorrow's lighting and Smart City technologies.

The new Multipod™ is the benchmark pole accessory for cities of the future. With its strong composition and cutting edge design, our innovative and superior Multipod™ is ready to accept all that the coming Smart Technology revolution has to offer.





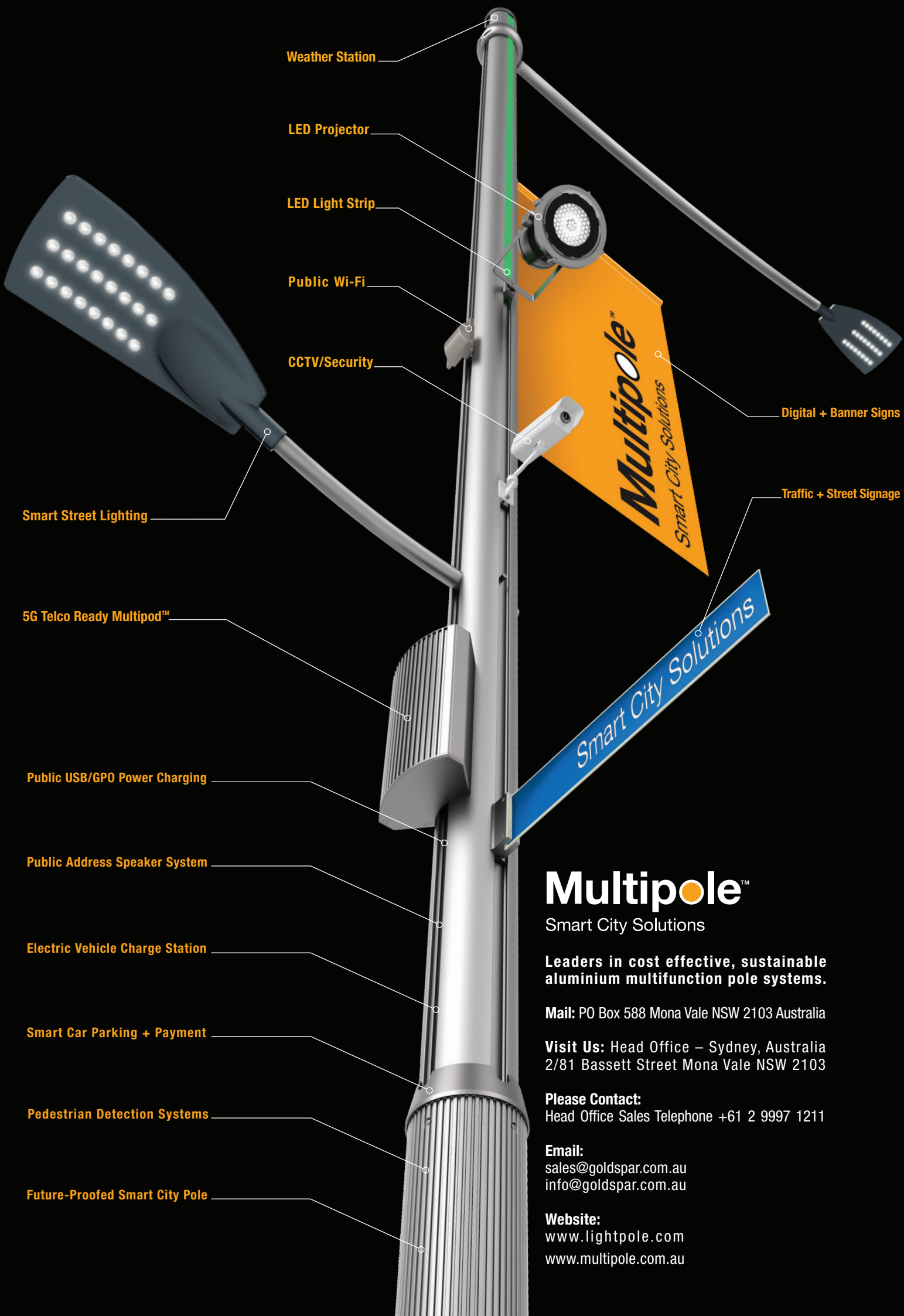
- CCTV Arms
- Adjustable Banner Arms
- Banner Raising System
- Sign Brackets
- Electrical Sign Brackets
- Bike Ring
- Footing Covers
- Flower Pot Ring
- Catenary Eye
- GPO Outlet
- Traffic Light & RMS Attachments
- Street Signage
- Microcell Attachment
- Power Outlet Fittings
- Video Screen Fixings
- Bus Shelter Attachments
- Water Bubbler Incorporation
- PA/Warning Systems
- Solar Cell Supports
- Litter Bins
- Festive Decoration Support Structures
- Fixed/Rotating Camera Arm
- Rag Bolts Kits
- Pole Top Spigots
- Universal Bracket Systems

Each of these modular accessories are fitted with either our unique internal or external tracking and bracket system.

Specifications regarding pole series compatibility, fitting requirements and instructions are available upon request.

Visit our new online Accessory Shop at www.multipole.com.au from Early 2019!

Multipole™ Accessories



Weather Station

LED Projector

LED Light Strip

Public Wi-Fi

CCTV/Security

Digital + Banner Signs

Traffic + Street Signage

Smart Street Lighting

5G Telco Ready Multipod™

Public USB/GPO Power Charging

Public Address Speaker System

Electric Vehicle Charge Station

Smart Car Parking + Payment

Pedestrian Detection Systems

Future-Proofed Smart City Pole

Multipole™

Smart City Solutions

Leaders in cost effective, sustainable aluminium multifunction pole systems.

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www.lightpole.com

www.multipole.com.au