

## SPECIFICATION DATASHEET

### MURCHISON 6M Ground Plant Round Tapered

Manufactured by Spunlite - a family owned New Zealand business with a long reputation for manufacturing high quality engineered pole solutions since 1972.

The Murchison range is painted in-house at Spunlites state of the art paint facility in Christchurch and the 10 year coating warranty is backed by over 50 years of experience in the pole sector, providing unparalleled reassurance of a long product lifecycle. Engineered for any ground condition in any location, removing risk of failure and providing peace of mind.

#### Pole Specifications:

6.0m round tapered steel pole (ground plant)  
76mm OD top mount spigot  
Estimated pole weight: 66.8kg  
Max luminaire weight: 26kg  
Luminaire mounting height: 6.0m AGL  
Colour: black (unless otherwise specified)

#### Wind Design Parameters:

Maximum wind region: NZ3, Terrain Category 1, 25 year design life  
Topographical multiplier (Mt): 1.0  
Importance Level: 2  
Design wind speed ULS: 52.52m/s  
Design wind speed SLS: 47.47m/s

#### Standards Compliance:

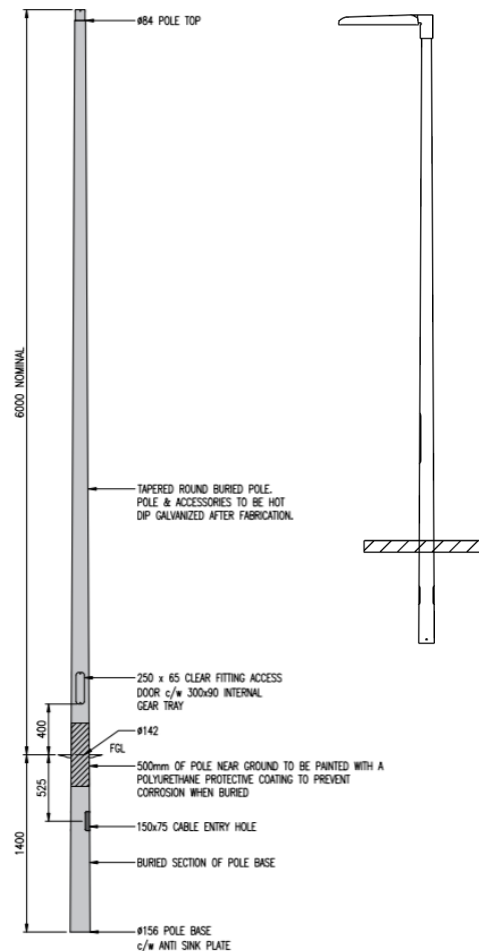
EN 10025-2:2004 S355R — steel material specification  
ASTM A572/A572M Gr. 50 — utility services poles  
AS/NZS 4676:2000 — structural requirements for utility services poles  
AS/NZS 1170.2:2021 — structural design actions, wind  
AS/NZS 4600:2018 — cold-formed steel structures  
NZS 3404:1997 — steel structures standard  
NZ Building Code B1/VM1 — hazard factor  $\geq 0.60$

#### Foundation:

Ground-planted direct burial  
Min. bearing capacity: 100kPa (ultimate)  
Min. shear capacity: 40kPa (ultimate)  
Backfill: 10% cement-stabilised AP40, compacted in 200mm layers or 25MPa concrete  
Soil investigation required pre-construction per AS 1726:2017  
Cable entry: client to provide conduit as required

#### Options:

Flange base available on request  
Other options available - consult Energylight



10 - Year Coating Warranty

#### Hot Dip Galvanising — AS/NZS 4680:2006

All steel sections and accessories galvanised after fabrication.

#### In-Ground Polyurethane Coating

500mm at finished ground level coated with polyurethane to prevent soil-contact corrosion at the buried section.

#### Decorative Finish — ISO 12944 C3

Spray finish applied over galvanised substrate. Rated C3 for urban and moderate industrial environments.

#### Quality Verification

Coating thickness, adhesion, and uniformity verified at each stage.

For specification purposes only. Not intended for installation or construction.

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