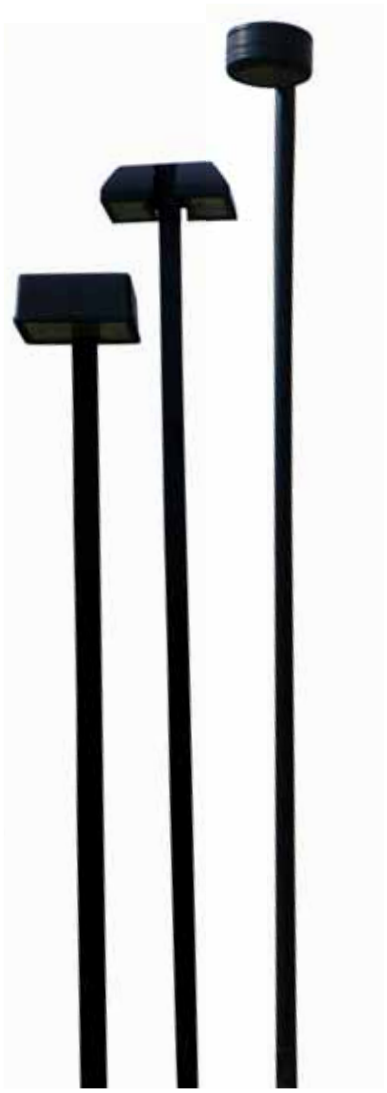
POLES



Direct Buried

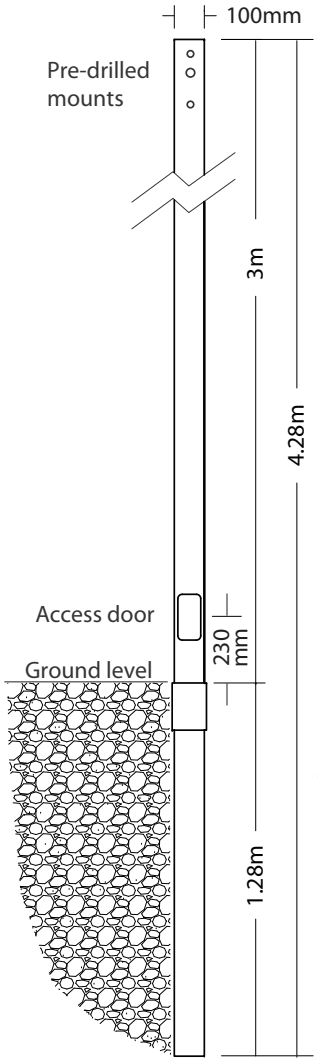


FIG 1

Foundation Mount

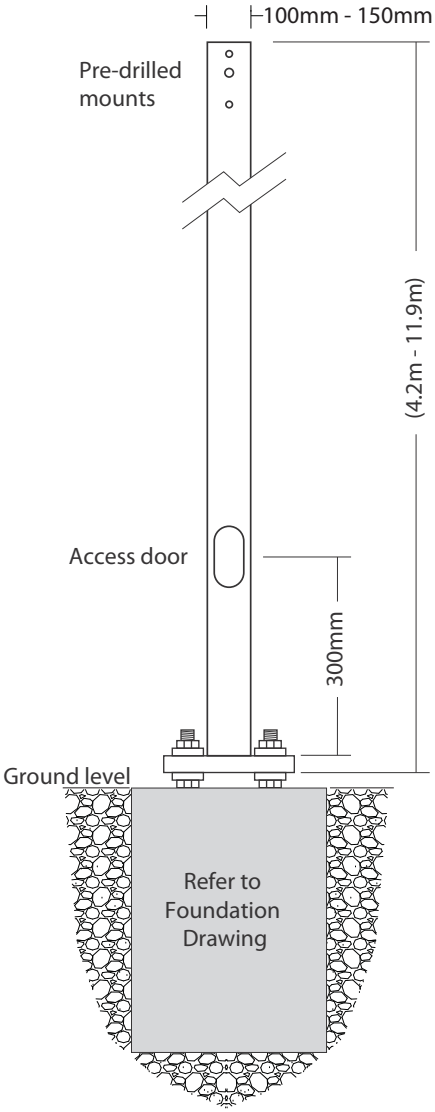


FIG 2

Square steel poles

- Pole shaft is electro-welded ASTM-A500 grade C steel with minimum yield strength of 50,000psi
- Pole base is ASTM-A36 hot-rolled steel plate with minimum yield strength of 36,000 psi.
- Poles are supplied with galvanized ragbolts featuring double nuts and washers. Ragbolts conform to ASTM F 1554-07a Grade 55 with minimum yield strength of 55,000 psi.
- BLACK POWDER COATED FINISH. Each pole is finished with LSI's DuraGrip® Plus baked-on polyester powder coat finishing process to give the pole an exceptionally attractive appearance. The process electrostatically applies and thermally fuses a polyester powder to the pole. This unique protection process provides an extremely smooth and uniform finish which withstands extreme weather changes without cracking or peeling. Standard finish colour is black; other colours are available upon request. DuraGrip® Plus features added protection with a 3.0 to 5.0 mil thickness of polyester powder finish plus an inner coating. This specially developed inner coating is a thermal plastic hydrocarbon resin applied to the inside of the pole to seal and protect against atmospheric and corrosive matter. DuraGrip® Plus finish features a seven-year limited warranty.
- A single access door is provided 300mm above the pole base. The access door is 75mm wide x 150mm high for poles 6.7 metres in length & greater, & 50mm wide x 100mm high for poles less than 6.7 metres in length.
- Pre-drilled (back to back) mounting holes to suit all LSI-Hamilton area lighters. Plugs supplied if only one side used.

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Direct Buried Poles

Model	Height OA (m)	Height AFGL (m)	Outside Dimension (mm)
100S-3.0-W3.2*	4.28	3.0	100 x 100

OA Overall
AFGL Above finished ground level

Foundation Mounted Poles

Model	Height (m)	Outside Dimension (mm)	PCD (mm)	Base Details
100S-4.2-W3.2*	4.2	100 x 100	279	Fig 3
100S-4.9-W3.2*	4.9	100 x 100	279	Fig 3
100S-6.1-W3.2*	6.1	100 x 100	279	Fig 3
100S-6.7-W3.2*	6.7	100 x 100	279	Fig 3
100S-7.9-W3.2*	7.9	100 x 100	279	Fig 3
100S-7.9-W4.8*	7.9	100 x 100	279	Fig 3
100S-9.1-W4.8*	9.1	100 x 100	279	Fig 4
125S-9.1-W4.8*	9.1	125 X 125	279	Fig 4
150S-11.9-W4.8*	11.9	150 X 150	305	Fig 5

PCD Pitch circle diameter
EPA Effective projected area
*Donates colour - replace with BLK = Black. SL = Silver others on application

Ragbolts

Model	Dimensions Length x diameter (mm)	Pole Height (m)
RB20	790 x M20	4.2, 4.9. 6.1, 6.7
RB24	800 x M24	7.9, 9.1, 11.9

Note 1
Ragbolts only cannot be used for construction of the pole footings.
They must form part of the overall cage. Please refer to foundations (Fig 4)

Cages

Model	Dimensions Length x diameter (mm)	Pole Height (m)
RC1250	1250 x 279PCD (M20)	4.2, 4.9. 6.1, 6.7
RC1600	1600 x 279PCD (M24)	7.9, 9.1
RC2200	2200 x 305PCD (M24)	11.9

Note 2
If cages are purchased, ragbolts are not required, as they are included in the construction of the cage

POLES

Foundation depths

Pole height AFGL (m)	Foundation depth (m)	Base plate projection (see Fig 6) (mm)
4.2	1 .35	85
4.9 – 6.7	1.35	85
7.9	1.7	85
9.1	1.7	105
11.9	2.3	105

Note 3
The foundation depths are in accordance with the recommendations of Australian standard AS1798:1992. These values are for guidance purpose only & are not to be used for construction. The actual foundation depths must be confirmed by the relevant engineers footing design, based on the site soil conditions & terrain category.

Foundations

The illustrated foundation design is for general arrangement & guidance information only, and is based on good natural ground. It is not to be used for construction. An onsite soil test & fully engineered footing design is required before installation.

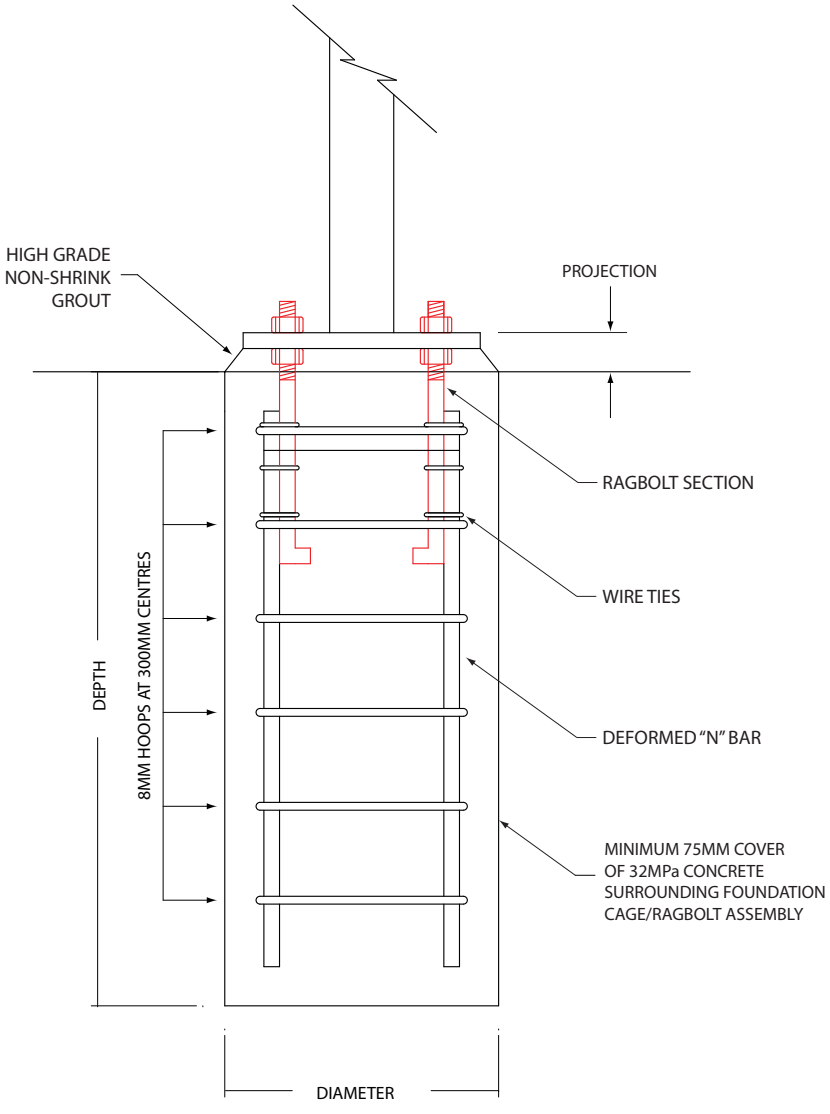

FIG 6

Pole Base Details

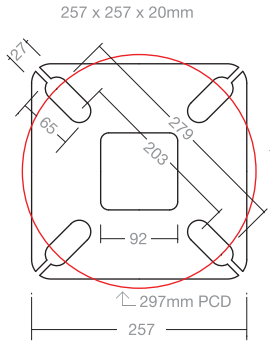

FIG 3

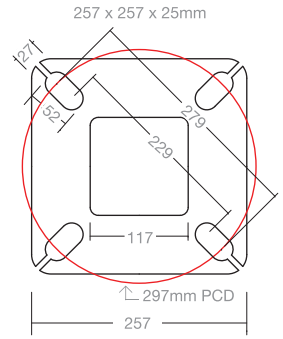

FIG 4

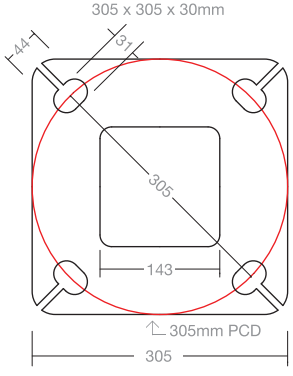

FIG 5