Type II Technical Chart

Used for Street Lighting, Parking Lot and Security Lighting, Recreational and Industrial Lighting

Direct Embedment

<table>
<thead>
<tr>
<th>CATALOG NUMBER SMOOTH GRAY</th>
<th>MOUNTING HEIGHT (Ft.)</th>
<th>POLE WEIGHT (Lbs.)</th>
<th>OVERALL LENGTH (Ft.)</th>
<th>POLE SIZE (In.)</th>
<th>EPA AT POLE TIP (Sq. Ft.)</th>
<th>ULTIMATE GROUNDLINE MOMENT (Ft. Lbs.)</th>
<th>BREAKING LOAD 2 Ft. FROM TIP (Lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>252002</td>
<td>20.5</td>
<td>1667</td>
<td>25.0</td>
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<td>10.06</td>
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</tr>
</tbody>
</table>

General Information

1. Different colors, finishes and exposed aggregates are available upon request.

2. Longer lengths of poles available upon request.

3. All corners are chamfered.

4. 7,000 PSI gray concrete is standard; higher strengths are available if required. The EPA’s listed for poles using 7,000 psi concrete shall be reduced by 15% when decorative mixes are used.

5. STRENGTH: In most cases a higher ground line moment and a higher breaking strength and EPA can be attained without going to a larger pole.

6. EFFECTIVE PROJECTED AREA (EPA): Lonestar Prestress Mfg. concrete poles and mounting arms have been designed in accordance with accepted engineering practices to be structurally capable of withstanding wind loads and velocity pressure per ASCE 7-05. Poles to meet higher wind loads are available.

7. HOLES: Holes are precast to meet your specifications and requirements for mounting attachments, most any desired arrangement can be provided. Contact Lonestar Prestress Mfg. for any questions about field drilling light poles.

8. INSTALLATION: Lonestar Prestress Mfg. concrete poles are designed for setting directly into the ground, without the use of precast foundations, similar to the setting of wood poles. After the hole is drilled, the pole is set and plumbed, the earth is then backfilled and tamped. The depth is dependent on the nature of the soil and the anticipated load. Where it is impossible to embed the poles in the ground, such as on bridges or overpasses, a boltdown base plate is available.

9. To specify a base plate for base mounted poles add the suffix BP to catalog numbers. Customer to supply the bolt circle drawings or template.
DESCRIPTION: 25'-0" TYPE II (SQ.) TOP MOUNT POLE

1" PVC RACEWAY

TOP DETAIL
TOP OF POLE

3/4" CHAMFER

4"x12" FRP COVER
1" PVC
3"x8"x 6" DEEP

1 1/2" PVC

DETAIL 1
HAND HOLE WITH
RECESSSED COVER

DETAIL 2
CABLE ENTRANCE

1 1/2" RACEWAY

ENTRANCE
ACCESS COUPLING

* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.
DESCRIPTION: 30'-0" TYPE II (SQ.) TOP MOUNT POLE

TRUCK LOAD QTY: QTY:

WEIGHT: 2,220 LBS.

FINISH: SMOOTH FORM GREY

* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.
DESCRIPTION: 35'-0" TYPE II (SQ.) TOP MOUNT POLE

TRUCK LOAD QTY: 2,863 LBS.
QTY:
WEIGHT:
FINISH: SMOOTH FORM GREY

* Rule of Thumb: 10% of length of pole plus 2 feet.
Actual depth of embedment to be determined by customer.
DESCRIPTION: 40'-0" TYPE II (SQ.) TOP MOUNT POLE

STRUCTION: 3,601 LBS.

APPROVED BY: ____________________________ DATE: __________

DRAWING: N.T.S.

POLE FACE

SIDE VIEW

BASE

12.50"x12.50" SQUARE

1" PVC RACEWAY

3/4" CHAMFER

6.0" SQ.

40'-0"

6.0"x6.0" SQUARE

POLE TAPER 0.1625 IN. PER FT.

4"x12" FRP COVER

1" PVC

3"x8"x6"

1 1/2" RACEWAY

ENTRANCE ACCESS COUPLING

DETAIL 2

CABLE ENTRANCE

DETAL 1

HAND HOLE WITH RECESSED COVER

1 1/2" PVC

1" PVC TUBING RACEWAY

8'-0"

6'-0"

6.0" SQ.

40'-0"

1 1/2" RACEWAY

ROT* GROUND LINE

* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.
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*
DESCRIPTION: **50'-0" TYPE II (SQ.) TOP MOUNT POLE**

TRUCK LOAD QTY: 5,392 LBS.

WEIGHT: 5,392 LBS.

FINISH: SMOOTH FORM GREY

* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.
**DESCRIPTION:**

**55'-0" TYPE II (SQ.) TOP MOUNT POLE**

- **BASE:** 14.94"x14.94" SQUARE
- **POLE FACE:** 6.0"x6.0" SQUARE
- **POLE TAPER:** 0.1625 IN. PER FT.
- **1" PVC RACEWAY**
- **1/2" RACEWAY**
- **TOP DETAIL**
- **TOP OF POLE**
- **4"x12" FRP COVER**
- **1" PVC**
- **3"x8"x6"**
- **1/2" PVC**
- **1/2" RACEWAY**
- **ENTRANCE ACCESS COUPLING**

**Rule of Thumb:** 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.

**FINISH:** SMOOTH FORM GREY

**TRUCK LOAD QTY:**

**WEIGHT:** 6,537 LBS.

**QTY:**
**DESCRIPTION:**

60'-0" TYPE II
(SQ.) TOP MOUNT POLE

**DESCRIPTION:**

60'-0" TYPE II
(SQ.) TOP MOUNT POLE

**TRUCK LOAD QTY:**

**QTY:**

**WEIGHT:**

7,732 LBS.

**FINISH:**

SMOOTH FORM GREY

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* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.
DESCRIPTION: 65'-0" TYPE II (SQ.) TOP MOUNT POLE

TRUCK LOAD QTY:

WEIGHT: 9,055 LBS.

FINISH: SMOOTH FORM GREY

* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.
DESCRIPTION: 70'-0" TYPE II (SQ.) TOP MOUNT POLE

TRUCK LOAD QTY: 10,514 LBS.
QTY: 
WEIGHT: 
FINISH: SMOOTH FORM GREY

* Rule of Thumb: 10% of length of pole plus 2 feet. Actual depth of embedment to be determined by customer.