


Roadway Lighting

Engineered steel poles for efficient and durable illumination



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 25700 I-45 Suite 315, Spring, TX 77386



QUALITY STEEL POLES. DELIVERED.

Strength in Design Integrity in Every Structure

Founded in 1958, Trans-American Power Poles (TAPP Inc.) is a family-owned company helped shape modern infrastructure with innovative designs and high-quality steel poles.

With over 60 years of experience, TAPP is a trusted partner for Utility and Telecom clients across North America.

At TAPP, we do more than build craft steel structures, we build confidence. Each project is custom-engineered to solve real-world challenges, combining advanced technology, efficiency, and a deep understanding of our customers' needs.

Our commitment extends beyond manufacturing. We focus on long-term partnerships grounded in trust, responsiveness, and a shared dedication to excellence.

Manufacturing Excellence

- Two advanced manufacturing plants with more than 3,000+ employees
- Over 1.5 million sq. ft. of combined production space
- Capacity to process 1,800 tons of steel per week
- Fabrication of pole sections up to 60 ft in length and 40,000 lbs
- ISO 9001 & AISC certified for quality and structural integrity





Our Market Focus

Delivering precision manufacturing and engineering solutions with over six decades of trusted expertise.



Innovation Driven

We innovate with purpose, turning ideas into practical solutions that shape the future of infrastructure.



Our Customer Commitment

Exceeding customer expectations isn't just a goal- it's our standard.

Manufacturing Plant in Guadajajara, Jalisco



Where Innovation Meets Precision



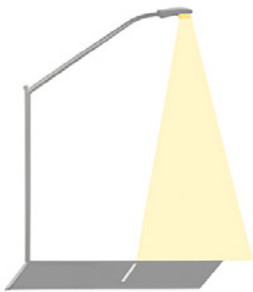
Craftsmanship in Action



Understanding the R-Series:

Tailored Lighting for Every Road

Every roadway has different lighting demands depending on its size, traffic volume, and application. The R-Series offers a versatile range of lighting pole solutions—from simple single-arm configurations for residential areas to dual-arm designs for full highway coverage. Each series is engineered to provide optimal light distribution, structural integrity, and efficiency, ensuring reliable performance in any environment.



R1 SERIES – Standard Single Arm Pole

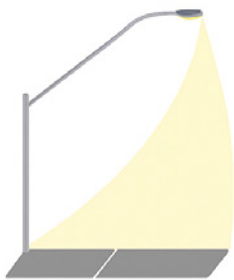
Features a slightly lower pipe arm with an approximate rise of 1.5 feet.

Light Projection:

Designed to deliver a wide beam of light, capable of illuminating across two traffic lanes.

Use Case:

Ideal for suburban streets and wider local roads, giving improved side-to-side coverage.



R2 SERIES – Low-Rise Single Arm Pole

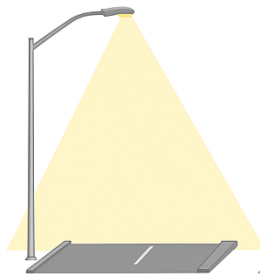
This is the most basic configuration. A single pipe arm is mounted on a tapered pole with a rise of 2.5ft.

Light Projection:

The light is directed straight downward and slightly outward, ideal for narrow roads or one-lane streets.

Use Case:

Used in residential streets, walkways, or smaller parking areas where light needs to cover one or both side of the road.



R3 SERIES – Mid-Rise Single Arm Pole

Equipped with a pipe arm that has a 3.5 ft rise, allowing for enhanced reach and spread of light.

Light Projection:

The elevation allows the beam to project farther outward, creating broader street coverage without using two poles.

Use Case:

Commonly used in arterial roads or avenues with 2–3 lanes in one or both directions where extended coverage is needed.



R4 SERIES – High-Rise or Dual Side Lighting

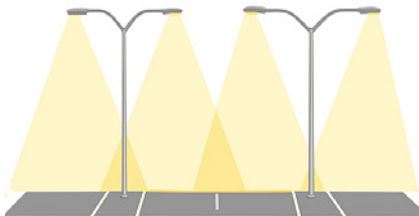
Comes with dual configuration options and a pipe arm with a steeper rise of 3.5 ft or more.

Light Projection:

Often placed on opposite sides of wide roadways, this configuration allows for overlapping beams with greater uniformity.

Use Case:

Suitable for high-volume intersections, wide boulevards, and commercial zones where increased lighting and redundancy are required.



R5 SERIES – Dual Arm Pole with Full Coverage

Equipped with one or two arms—mounted on either side—this is the most comprehensive lighting pole solution with a rise of 5.5ft.

Light Projection:

Covers multiple lanes in both directions, with overlapping light cones to eliminate dark spots.

Use Case:

Designed for expressways, highways, and major roads, especially where pole installations need to be minimized while maximizing coverage.

R1 Roadway Lighting

One and Two Arm Configuration

# Item	Shaft					Base Plate			Anchor Bolts	Arm	Structural Weight. (lbs.)	Minimum Purchase	Partial Truck Load Purchase	Full Truckload Purchase
Item	Nominal Mounting Height (ft.)	Catalog Number	Base O.D. (in.)	Top O.D. (in.)	Wall Thickness. (in.)	Bolt Circle (in.)	Plate Square (in.)	Plate Thickness. (in.)	Diameter x Length x Hook. (in.)	Length (ft.)		Quantities		
R1 ONE ARM CONFIGURATION											(Unit.)	(Unit.)	(Unit.)	
1	25	R1-24A636L-1	6.36	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	8	293	8	84	168
2	30	R1-29A706L-1	7.06	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	8	341	8	44	88
3	35	R1-34A776L-1	7.76	3.00	0.1196	11.00	11.00	1.000	1.0 x 36 x 4	8	396	8	36	72
4	40	R1-39A846L-1	8.46	3.00	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	8	460	8	36	72
5	45	R1-44A916L-1	9.16	3.00	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	8	526	8	32	62
R1 TWO ARM CONFIGURATION											R1 ONE ARM CONFIGURATION			
6	25	R1-24A636L-2	6.36	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	8	331	8	72	144
7	30	R1-29A706L-2	7.06	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	8	379	8	44	88
8	35	R1-34A776L-2	7.76	3.00	0.1196	11.00	11.00	1.000	1.0 x 36 x 4	8	434	8	36	72
9	40	R1-39A846L-2	8.46	3.00	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	8	498	8	36	72
10	45	R1-44A916L-2	9.16	3.00	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	8	564	8	32	62

CATALOG NUMBER NOMENCLATURE

The last letter in each code represents the duty classification of the pole, based on its strength and application.

L = Light Duty

M = Medium Duty

H = Heavy Duty

What's Included in Each Pole Package

Included

- Round Taper Shaft.
- Base Plate.
- (4) Anchor Bolts.
- (1) Template.
- (1) Top Cover.
- (1 or 2) Luminaire Arm.
- (1 or 2) Simplex one bolt assembly.
- (1) Hand Hole Assembly (2" x 4", 3" x 5", or 4" x 6"), as applicable.
- (1) J Hook 3/8" x 3 3/4" std
- (2) Standard Grounding Tab 1" x 4".
- Seam Weld Grinded.
- Galvanized.

Not Included

- Base Covers.
- Lighting fixtures.
- Nut Covers.

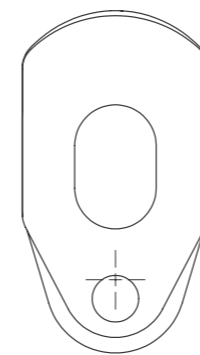
Paint

(Optional)

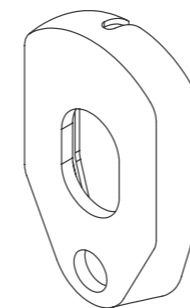
Paint: Sherwin-Williams Sher-Loxane 800

- Per AGA Specifications Section 09900.
- Preparing Hot-Dip Galvanized surfaces for Painting.

One Bolt Simplex Connection



1 Bolt Simplex Arm Connection
Front View



1 Bolt Simplex Arm Connection
Isometric View

* The designs are based on EPA 2.5 sqft / 75 lbs;
100 mph wind with 1.3 Gust.



R2 Roadway Lighting

One and Two Arm Configuration

# Item	Shaft					Base Plate			Anchor Bolts	Arm	Structural Weight.	Minimum Purchase	Partial Truck Load Purchase	Full Truckload Purchase
Item	Nominal Mounting Height (ft.)	Catalog Number	Base O.D. (in.)	Top O.D. (in.)	Wall Thickness. (in.)	Bolt Circle (in.)	Plate Square (in.)	Plate Thickness. (in.)	Diameter x Length x Hook (in.)	Length (ft.)	(lbs.)	(Unit.)	(Unit.)	(Unit.)
R2 ONE ARM CONFIGURATION											R2 ONE ARM CONFIGURATION			
11	25	R2-23A622L-1	6.22	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	8	285	8	80	156
12		R2-23A700M-1	7.00	3.78	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	12	367	8	60	120
13		R2-23A750H-1	7.50	4.28	0.1196	10.50	10.50	1.000	1.0 x 36 x 4	15	398	8	60	120
14	30	R2-28A692L-1	6.92	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	8	331	8	44	88
15		R2-28A750M-1	7.50	3.58	0.1196	10.50	10.50	1.000	1.0 x 36 x 4	12	411	8	44	88
16		R2-28A800H-1	8.00	4.08	0.1196	11.00	11.00	1.000	1.0 x 36 x 4	15	445	8	36	70
17	35	R2-33A800L-1	8.00	3.38	0.1196	11.00	11.00	1.250	1.0 x 36 x 4	8	410	8	36	72
18		R2-33A850M-1	8.50	3.88	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	12	489	8	34	66
19		R2-33A900H-1	9.00	4.38	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	15	527	8	32	62
20	40	R2-38A900L-1	9.00	3.68	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	8	486	8	34	66
21		R2-38A950M-1	9.50	4.18	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	12	571	8	32	62
22		R2-38A100H-1	10.00	4.68	0.1196	13.00	13.00	1.250	1.0 x 36 x 4	15	616	8	26	50
23	45	R2-43A950L-1	9.50	3.48	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	8	541	8	32	62
24		R2-43A100M-1	10.00	3.98	0.1196	13.00	13.00	1.250	1.0 x 36 x 4	12	630	8	26	50
25		R2-43A110H-1	11.00	4.98	0.1196	14.50	14.50	1.250	1.25 x 42 x 6	15	747	8	22	36
R2 TWO ARM CONFIGURATION											R2 ONE ARM CONFIGURATION			
26	25	R2-23A622L-2	6.22	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	8	323	8	72	140
27		R2-23A700M-2	7.00	3.78	0.1196	10.00	10.00	1.250	1.0 x 36 x 4	12	466	8	56	108
28		R2-23A750H-2	7.50	4.28	0.1196	10.50	10.50	1.000	1.0 x 36 x 4	15	504	8	48	96
29	30	R2-28A692L-2	6.92	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	8	369	8	44	88
30		R2-28A750M-2	7.50	3.58	0.1196	10.50	10.50	1.250	1.0 x 36 x 4	12	510	8	44	88
31		R2-28A800H-2	8.00	4.08	0.1196	11.00	11.00	1.250	1.0 x 36 x 4	15	557	8	36	70
32	35	R2-33A800L-2	8.00	3.38	0.1196	11.00	11.00	1.250	1.0 x 36 x 4	8	448	8	40	80
33		R2-33A850M-2	8.50	3.88	0.1196	11.50	11.50	1.500	1.0 x 36 x 4	12	590	8	34	66
34		R2-33A900H-2	9.00	4.38	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	15	633	8	30	60
35	40	R2-38A900L-2	9.00	3.68	0.1196	12.00	12.00	1.500	1.0 x 36 x 4	8	534	8	34	66
36		R2-38A950M-2	9.50	4.18	0.1196	12.50	12.50	1.500	1.0 x 36 x 4	12	672	8	30	60
37		R2-38A100H-2	10.00	4.68	0.1196	13.00	13.00	1.500	1.0 x 36 x 4	15	732	8	24	48
38	45	R2-43A950L-2	9.50	3.48	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	8	579	8	30	60
39		R2-43A100M-2	10.00	3.98	0.1196	13.00	13.00	1.500	1.25 x 42 x 6	12	763	8	24	48
40		R2-43A110H-2	11.00	4.98	0.1196	14.50	14.50	1.500	1.25 x 42 x 6	15	864	8	20	40

CATALOG NUMBER NOMENCLATURE

The last letter in each code represents the duty classification of the pole, based on its strength and application.

L = Light Duty
M = Medium Duty
H = Heavy Duty



What's Included in Each Pole Package

Included

- 1 Round Taper Shaft.
- 1 Base Plate.
- (4) Anchor Bolts.
- (1) Template.
- (1) Top Cover.
- (1 or 2) Luminaire Arm.
- (1 or 2) One bolt Simplex for 8FT or Support Arm Plate for 12 FT / 15FT.
- (1) Hand Hole Assembly (2" x 4", 3" x 5", or 4" x 6"), as applicable.
- (1) 1/2" x 13 x 3/4" std.
- (2) Standard Grounding Tab 1" x 4".
- Seam Weld grinded.
- Galvanized.

Not Included

- Base Covers.
- Lighting fixtures.
- Nut Covers.

Paint:

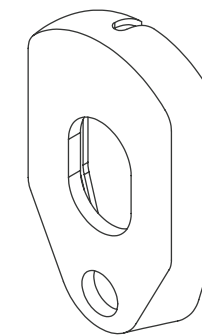
(Optional)

Paint: Sherwin-Williams Sher-Loxane 800

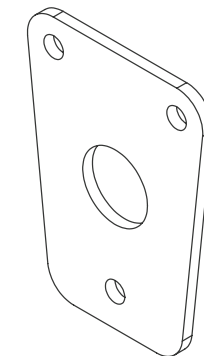
- Per AGA Specifications Section 09900.
- Preparing Hot-Dip Galvanized surfaces for Painting.

*** The designs are based on EPA 2.5 sqft / 75 lbs; 100 mph wind with 1.3 Gust.**

Arm Support System Options



1 Bolt Simplex Arm Connection Isometric View



Support Arm Plate Isometric View

R3 Roadway Lighting

One and Two Arm Configuration

# Item	Shaft					Base Plate			Anchor Bolts	Arm	Structural Weight. (lbs.)	Minimum Purchase	Partial Truck Load Purchase	Full Truckload Purchase
Item	Nominal Mounting Height (ft.)	Catalog Number	Base O.D. (in.)	Top O.D. (in.)	Wall Thickness. (in.)	Bolt Circle (in.)	Plate Square (in.)	Plate Thickness. (in.)	Diameter x Length x Hook. (in.)	Length (ft.)		Quantities		
											(Unit.)	(Unit.)	(Unit.)	
R3 ONE ARM CONFIGURATION											R3 ONE ARM CONFIGURATION			
41	25	R3-22A608L-1	6.08	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	8	276	9	96	192
42	30	R3-27A678L-1	6.78	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	8	323	8	44	88
43	35	R3-32A748L-1	7.48	3.00	0.1196	10.50	10.50	1.000	1.0 x 36 x 4	8	378	8	44	88
44	40	R3-37A818L-1	8.18	3.00	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	8	438	8	36	70
45	45	R3-42A888L-1	8.88	3.00	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	8	505	8	36	72
R3 TWO ARM CONFIGURATION											R3 ONE ARM CONFIGURATION			
46	25	R3-22A608L-2	6.08	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	8	314	9	84	168
47	30	R3-27A678L-2	6.78	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	8	361	8	44	88
48	35	R3-32A748L-2	7.48	3.00	0.1196	10.50	10.50	1.250	1.0 x 36 x 4	8	410	8	44	88
49	40	R3-37A818L-2	8.18	3.00	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	8	476	8	40	80
50	45	R3-42A888L-2	8.88	3.00	0.1196	12.00	12.00	1.500	1.0 x 36 x 4	8	536	8	36	72

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What's Included in Each Pole Package

Included

- Round Taper Shaft.
- Base Plate.
- (4) Anchor Bolts.
- (1) Template.
- (1) Top Cover.
- (1 or 2) Luminaire Arm.
- (1 or 2) Simplex one bolt assembly.
- (1) Hand Hole Assembly (2" x 4", 3" x 5", or 4" x 6"), as applicable.
- (1) J Hook 3/8" x 3 3/4" std.
- (2) Standard Grounding Tab 1" x 4".
- Seam Weld Grinded.
- Galvanized.

Not Included

- Base Covers.
- Lighting fixtures.
- Nut Covers.

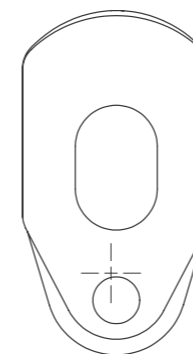
Paint:

(Optional)

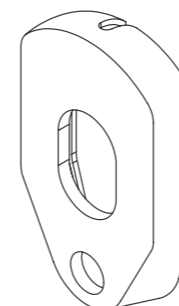
Paint: Sherwin-Williams Sher-Loxane 800

- Per AGA Specifications Section 09900.
- Preparing Hot-Dip Galvanized surfaces for Painting.

One Bolt Simplex Connection



1 Bolt Simplex Arm Connection Front View



1 Bolt Simplex Arm Connection Isometric View



* The designs are based on EPA 2.5 sqft / 75 lbs; 100 mph wind with 1.3 Gust.

R4 Roadway Lighting

One and Two Arm Configuration

# Item	Shaft					Base Plate			Anchor Bolts	Arm	Structural Weight.	Minimum Purchase	Partial Truck Load Purchase	Full Truckload Purchase
Item	Nominal Mounting Height (ft.)	Catalog Number	Base O.D. (in.)	Top O.D. (in.)	Wall Thickness (in.)	Bolt Circle (in.)	Plate Square (in.)	Plate Thickness. (in.)	Diameter x Length x Hook. (in.)	Length (ft.)	(lbs.)	(Unit.)	(Unit.)	(Unit.)
R4 ONE ARM CONFIGURATION														
51	25	R4-22A608L-1	6.08	3.00	0.1196	9.00	9.00	1.000	1.0 x 36 x 4	10	325	9	81	156
52		R4-22A650M-1	6.50	3.42	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	12	357	8	72	144
53		R4-22A700H-1	7.00	3.92	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	15	389	8	68	132
54	30	R4-27A678L-1	6.78	3.00	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	10	374	8	44	88
55		R4-27A750M-1	7.50	3.72	0.1196	10.50	10.50	1.000	1.0 x 36 x 4	12	418	8	42	84
56		R4-27A800H-1	8.00	4.22	0.1196	11.00	11.00	1.250	1.0 x 36 x 4	15	463	8	36	70
57	35	R4-32A800L-1	8.00	3.52	0.1196	11.00	11.00	1.250	1.0 x 36 x 4	10	456	8	40	80
58		R4-32A850M-1	8.50	4.02	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	12	496	8	34	66
59		R4-32A900H-1	9.00	4.52	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	15	539	8	32	62
60	40	R4-37A850L-1	8.50	3.32	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	10	505	8	34	66
61		R4-37A900M-1	9.00	3.82	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	12	548	8	32	62
62		R4-37A950H-1	9.50	4.32	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	15	595	8	32	62
63	45	R4-42A900L-1	9.00	3.12	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	10	556	8	34	66
64		R4-42A950M-1	9.50	3.62	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	12	604	8	32	54
65		R4-42A100H-1	10.00	4.12	0.1196	13.00	13.00	1.500	1.0 x 36 x 4	15	662	8	26	50
R4 TWO ARM CONFIGURATION														
66	25	R4-22A608L-2	6.08	3.00	0.1196	9.00	9.00	1.000	1.0 x 36 x 4	10	415	9	63	123
67		R4-22A650M-2	6.50	3.42	0.1196	9.50	9.50	1.250	1.0 x 36 x 4	12	468	8	56	108
68		R4-22A700H-2	7.00	3.92	0.1196	10.00	10.00	1.250	1.0 x 36 x 4	15	517	8	48	96
69	30	R4-27A678L-2	7.25	3.47	0.1196	10.50	10.50	1.250	1.0 x 36 x 4	10	491	8	44	88
70		R4-27A750M-2	7.50	3.72	0.1196	10.50	10.50	1.500	1.0 x 36 x 4	12	536	8	42	84
71		R4-27A800H-2	8.00	4.22	0.1196	11.00	11.00	1.500	1.0 x 36 x 4	15	591	8	36	70
72	35	R4-32A800L-2	8.25	3.77	0.1196	11.25	11.25	1.500	1.0 x 36 x 4	10	565	8	40	80
73		R4-32A850M-2	8.50	4.02	0.1196	11.50	11.50	1.500	1.0 x 36 x 4	12	608	8	34	66
74		R4-32A900H-2	9.00	4.52	0.1196	12.00	12.00	1.500	1.0 x 36 x 4	15	671	8	32	62
75	40	R4-37A900L-2	9.25	4.07	0.1196	12.25	12.25	1.500	1.0 x 36 x 4	10	645	8	32	62
76		R4-37A950M-2	9.50	4.32	0.1196	12.50	12.50	1.500	1.0 x 36 x 4	12	691	8	32	62
77		R4-37A100H-2	10.00	4.82	0.1196	13.00	13.00	1.500	1.0 x 36 x 4	15	757	8	26	50
78	45	R4-42A950L-2	9.88	4.00	0.1196	13.00	13.00	1.500	1.0 x 36 x 4	10	713	8	28	56
79		R4-42A100M-2	10.00	4.12	0.1196	13.00	13.00	1.500	1.0 x 36 x 4	12	751	8	24	48
80		R4-42A105H-2	10.50	4.62	0.1196	13.50	13.50	1.500	1.0 x 36 x 4	15	818	8	20	40

CATALOG NUMBER NOMENCLATURE

The last letter in each code represents the duty classification of the pole, based on its strength and application.

- L = Light Duty
- M = Medium Duty
- H = Heavy Duty



What's Included in Each Pole Package

Included

- Round Taper Shaft.
- Base Plate.
- (4) Anchor Bolts.
- (1) Template.
- (1) Top Cover.
- (1 or 2) Luminaire Arm.
- (1 or 2) Simplex two bolt assembly.
- (1) Hand Hole Assembly (2" x 4", 3" x 5", or 4" x 6"), as applicable.
- (1) J Hook 3/8" x 3 3/4" std.
- (2) Standard Grounding Tab 1" x 4".
- Seam Weld Grinded.
- Galvanized.

Not Included

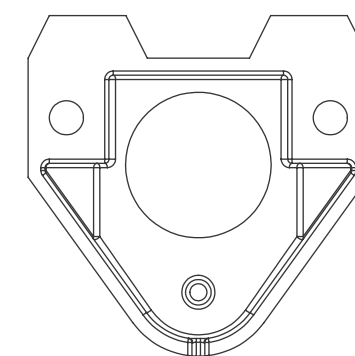
- Base Covers.
- Lighting fixtures.
- Nut Covers.

Paint: (Optional)

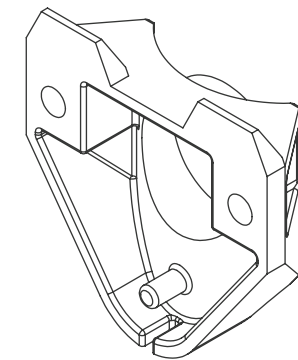
Paint: Sherwin-Williams Sher-Loxane 800

- Per AGA Specifications Section 09900.
- Preparing Hot-Dip Galvanized surfaces for Painting.

Two Bolt Simplex Connection



2 Bolt Simplex Pole Connection Front View



2 Bolt Simplex Pole Connection Isometric View

* The designs are based on EPA 2.5 sqft / 75 lbs; 100 mph wind with 1.3 Gust.

R5 Roadway Lighting

One and Two Arm Configuration

# Item	Shaft					Base Plate			Anchor Bolts	Arm	Structural Weight. (lbs.)	Minimum Purchase	Partial Truck Load Purchase	Full Truckload Purchase
Item	Nominal Mounting Height (ft.)	Catalog Number	Base O.D. (in.)	Top O.D. (in.)	Wall Thickness. (in.)	Bolt Circle (in.)	Plate Square (in.)	Plate Thickness. (in.)	Diameter x Length x Hook. (in.)	Length (ft.)		Quantities		
R5 ONE ARM CONFIGURATION											(Unit.)	(Unit.)	(Unit.)	
81	25	R5-20A580L-1	5.80	3.00	0.1196	9.00	9.00	1.000	1.0 x 36 x 4	10	309	9	90	174
82		R5-20A650M-1	6.50	3.70	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	12	347	8	76	152
83		R5-20A700H-1	7.00	4.20	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	15	380	8	60	120
84	30	R5-25A650L-1	6.50	3.00	0.1196	9.50	9.50	1.000	1.0 x 36 x 4	10	353	8	64	128
85		R5-25A700M-1	7.00	3.50	0.1196	10.00	10.00	1.000	1.0 x 36 x 4	12	388	8	68	132
86		R5-25A775H-1	7.75	4.25	0.1196	10.75	10.75	1.000	1.0 x 36 x 4	15	435	8	58	116
87	35	R5-30A750L-1	7.50	3.30	0.1196	10.50	10.50	1.250	1.0 x 36 x 4	10	422	8	44	88
88		R5-30A800M-1	8.00	3.80	0.1196	11.00	11.00	1.250	1.0 x 36 x 4	12	463	8	40	80
89		R5-30A875H-1	8.75	4.55	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	15	519	8	32	62
90	40	R5-35A850L-1	8.50	3.60	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	10	495	8	36	70
91		R5-35A900M-1	9.00	4.10	0.1196	12.00	12.00	1.250	1.0 x 36 x 4	12	539	8	32	62
92		R5-35A950H-1	9.50	4.60	0.1196	12.50	12.50	1.250	1.0 x 36 x 4	15	585	8	32	62
R5 TWO ARM CONFIGURATION											R5 ONE ARM CONFIGURATION			
93	25	R5-20A600L-2	6.00	3.20	0.1196	9.00	9.00	1.250	1.0 x 36 x 4	10	410	9	66	126
94		R5-20A650M-2	6.50	3.70	0.1196	9.50	9.50	1.250	1.0 x 36 x 4	12	458	8	56	112
95		R5-20A700H-2	7.00	4.20	0.1196	10.00	10.00	1.250	1.0 x 36 x 4	15	507	8	48	96
96	30	R5-25A700L-2	7.00	3.50	0.1196	10.00	10.00	1.250	1.0 x 36 x 4	10	469	8	56	108
97		R5-25A750M-2	7.50	4.00	0.1196	10.50	10.50	1.250	1.0 x 36 x 4	12	520	8	48	96
98		R5-25A850H-2	8.50	5.00	0.1196	11.50	11.50	1.250	1.0 x 36 x 4	15	597	9	39	78
99	35	R5-30A800L-2	8.00	3.80	0.1196	11.00	11.00	1.500	1.0 x 36 x 4	10	544	8	36	72
100		R5-30A850M-2	8.50	4.30	0.1196	11.50	11.50	1.500	1.0 x 36 x 4	12	598	8	34	66
101		R5-30A900H-2	9.00	4.80	0.1196	12.00	12.00	1.500	1.0 x 36 x 4	15	658	8	32	62
102	40	R5-35A900L-2	9.00	4.10	0.1196	12.00	12.00	1.500	1.0 x 36 x 4	10	621	8	32	62
103		R5-35A950M-2	9.50	4.60	0.1196	12.50	12.50	1.500	1.0 x 36 x 4	12	682	8	32	62
104		R5-35A100H-2	10.00	5.10	0.1196	13.00	13.00	1.500	1.0 x 36 x 4	15	743	8	26	50

CATALOG NUMBER NOMENCLATURE

The last letter in each code represents the duty classification of the pole, based on its strength and application.

L = Light Duty

M = Medium Duty

H = Heavy Duty



What's Included in Each Pole Package

Included

- Round Taper Shaft.
- Base Plate.
- (4) Anchor Bolts.
- (1) Template.
- (1) Top Cover.
- (1 or 2) Luminaire Arm.
- (2 or 4) Simplex two bolt assembly.
- (1) Hand Hole Assembly (2" x 4", 3" x 5", or 4" x 6"), as applicable.
- (1) J Hook 3/8" x 3 3/4" std
- (2) Standard Grounding Tab 1" x 4".
- Seam Weld Grinded.
- Galvanized.

Not Included

- Base Covers.
- Lighting fixtures.
- Nut Covers.

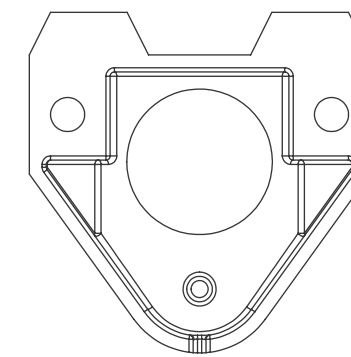
Paint (Optional)

Paint: Sherwin-Williams Sher-Loxane 800

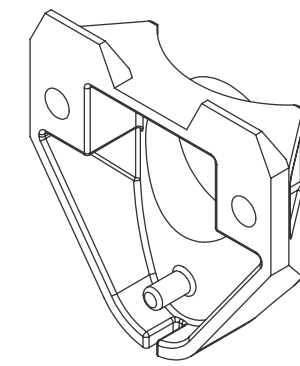
- Per AGA Specifications Section 09900.
- Preparing Hot-Dip Galvanized surfaces for Painting.

* The designs are based on EPA 2.5 sqft / 75 lbs; 100 mph wind with 1.3 Gust.

Two Bolt Simplex Connection



2 Bolt Simplex Pole Connection Front View



2 Bolt Simplex Pole Connection Isometric View

Roadway Lighting Structures (R1-R5 Series)

The Roadway Lighting Pole Series is a round tapered offered in standard mounting heights from 25 to 45 feet. These series are provided with either one or two tapered tubes with a rise rate from 1.5 ft to 5.5 ft.

{R1, R2, R3} are equipped either one or two Single arms.

{R4, R5} are equipped either one or two Truss arms.

However, if the standard sizes do not meet client requirements, a pole can be custom designed to any specifications. Poles are designed in accordance with the AASHTO publication "Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals". All standard finishes include hot-dipped galvanizing and Spray Paint as optional.



Pole Shaft:

The pole shaft is fabricated from a structural quality weldable grade of hot-rolled carbon steel with a minimum yield strength of 55,000 ksi (Gauge 11). The shaft has a round cross-section with a uniform taper of 0.14 inches per foot of length.



Base Plate:

The base plate is fabricated from structural quality weldable hot-rolled carbon steel with a minimum yield strength of 36,000 ksi.



Anchor Bolts:

The anchor bolts are fabricated from hot-rolled carbon steel bars with a minimum yield strength of 55,000 ksi. The threaded end is galvanized a minimum of 12" and each bolt is furnished with two flat washers and two hex nuts.



Handhole:

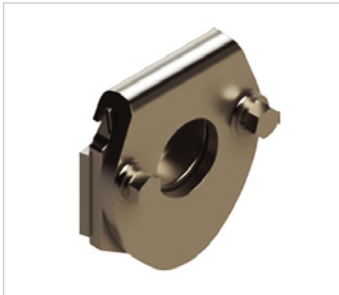
Each pole is furnished with one (1) handhole. Handhole size varies (2" x 4", 3" x 5", or 4" x 6") in accordance with the AASHTO 0.4 x D limitation and is located 15 inches above the base. The handhole includes a 1/2"-13 UNC nut for grounding purposes and is supplied with a handhole cover and all required hardware.



Luminaire Arm:

The pipe arm is made from 2" SCH 40 or 2.5" SCH 40 pipe with a minimum yield strength of 42,000 ksi

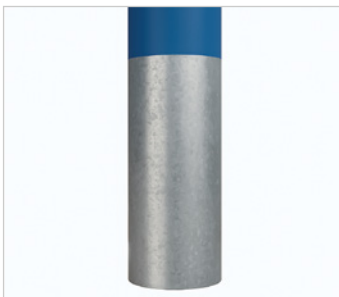
Pole Model	Arm Length(s)	Pipe Specification
R1	8 ft	2" SCH 40
R2	8 ft	2" SCH 40
	12 ft, 15 ft	2.5" SCH 40
R3	8 ft	2" SCH 40
R4	10 ft, 12 ft, 15 ft	2" SCH 40
R5	10 ft, 12 ft, 15 ft	2" SCH 40



Arm Connection:

The one or two-bolt simplex is cast from carbon steel with a minimum yield strength of 36,000 ksi. The simplex is supplied with either one or two 3/4"-13 UNC structural hex bolts.

Pole Model	Arm Length(s)	Mounting Type
R1	All	One-bolt simplex
R2	8 ft	One-bolt simplex
	12 ft, 15 ft	Support arm plate
R3	All	One-bolt simplex
R4	All	Two-bolt simplex
R5	All	Two-bolt simplex



Coating & Finishing:

All steel components will be hot-dip galvanized in accordance with ASTM. Painting is optional and may be applied if desired.

Design Standards & Connection Details

- **To obtain pricing, please request a quote.**
- Structure weight includes Anchor Bolts and Templates weight.
- Freight for AB and templates can be arranged upon customer request.
- All quotes are based on FOB Houston, Texas.
- Cyclic loading considerations are not included.
- Design per HSE SAFI Structural Software, which complies with AASHTO LTS-15 LRFD (1st edition) specifications.
- Assembly and fabrication drawings developed in Solidworks 3D CAD software.
- PE / SE stamp available in all 50 states.

Roadway Lighting

Arms



Designed to Support Engineered to Last

To complement our line of roadway lighting poles, TAPP offers a comprehensive selection of high-performance accessories engineered to ensure safe, efficient, and long-lasting installations.

Each component integrates seamlessly with our steel pole systems, ensuring proper fit, structural stability, and visual harmony across a wide range of roadway lighting projects.

Each accessory is the result of precise engineering and rigorous testing at our in-house metallurgical and quality control laboratories, guaranteeing consistent performance even under the most demanding conditions.

Whether installed along city streets, highways, or access roads, these components streamline setup, reduce maintenance, and extend service life. Beyond functionality, they help illuminate safer, more connected communities — bringing reliability and performance to the infrastructure that powers everyday life.

Why Choose TAPP Accessories

- *Seamless Integration* – Engineered for perfect compatibility with all TAPP steel pole systems.
- *Built to Last* – Exceptional corrosion resistance and reinforced structural strength.
- *Easy Installation* – Streamlined setup with minimal maintenance requirements.
- *Tested for Performance* – Steel quality assured through rigorous in-house testing under strict standards.

Single Arm

Single arms are steel brackets designed to support and mount luminaires on poles or structures. Manufactured from high strength steel tubing, they project the fixture outward for optimal light distribution. Easy to install with a single-bolt connection, they are available in various lengths and rises to meet different lighting needs.



One-bolt simplex connection allows the arm to be upright and held in place by gravity and secured by a single bolt.

Arms:

The pipe arm is made from 2" SCH 40 pipe with a minimum yield strength of 36,000 ksi for Arms 8FT and from 2.5" SCH 40 pipe for Arms 12FT and 15FT.

Arm Connection:

The one-bolt simplex is cast from carbon steel with a minimum yield strength of 36,000 ksi. The simplex is supplied with one 1/2"-13 UNC hex head bolt.

**Plate assembly for SAR2.5 12/15FT.

Coating & Finishing:

All steel components will be hot-dip galvanized according with with ASTM A123. Painting is optional and available upon request.

Fixture Loading:

Maximum EPA (Effective Projected Area) and weight values are based on luminaires having a centroid 1.75' above the bracket top and a maximum mounting height of 70'-0".

Catalog Number	Description	Quantity Luminaires	Max. EPA (every lum.) (ft2)	Max. Weight (every lum.) (lbs)	Height Design (ft)	Wind Velocity (MPH)	Gust Factor
SDCONLIGHT-SAR1.5-4FT	1.5FT Rise and 4FT Length	1	1.75	75	25-30-35-40-45	100	1.3
SDCONLIGHT-SAR1.5-8FT	1.5FT Rise and 8FT Length						
SDCONLIGHT-SAR2.5-8FT	2.5FT Rise and 8FT Length						
***SDCONLIGHT-SAR2.5-12FT	2.5FT Rise and 12FT Length						
***SDCONLIGHT-SAR2.5-15FT	2.5FT Rise and 15FT Length						
SDCONLIGHT-SAR3.5-8FT	3.5FT Rise and 8FT length						

Truss Arm

A Truss Arm is a structural support arm, often used on poles (like streetlights or utility poles), designed with a triangular or lattice framework to provide strength while keeping the structure lightweight. Its main purpose is to hold lighting fixtures, electrical equipment, or signs securely in place, distributing the load efficiently and reducing stress on the pole.



Two-bolt simplex connection allows the arm to be upright and held in place by gravity and secured by two bolts.

Arms:

The pipe arm is made from 2" SCH 40 pipe with a minimum yield strength of 36,000 ksi.

Arm Connection:

The two-bolts simplex is cast from carbon steel with a minimum yield strength of 36,000 ksi. The simplex is supplied with two 1/2"-13 UNC hex head bolts.

Coating & Finishing:

All steel components will be hot-dip galvanized according with with ASTM A123. Painting is optional and available upon request.

Fixture Loading:

Maximum EPA (Effective Projected Area) and weight values are based on luminaires having a centroid 1.75' above the bracket top and a maximum mounting height of 70'-0".

Catalog Number	Description	Quantity Luminaires	Max. EPA (every lum.)(ft2)	Max. Weight (every lum.) (lbs)	Height design (ft)	Wind Velocity (MPH)	Gust Factor
SDCONLIGHT-TAR3.5-10FT	3.5FT Raise and 10FT Length	1	1.75	75	25-30-35-40-45	100	1.3
SDCONLIGHT-TAR3.5-12FT	3.5FT Raise and 12FT Length						
SDCONLIGHT-TAR3.5-15FT	3.5FT Raise and 15FT Length						
SDCONLIGHT-TAR5.5-10FT	5.5FT Raise and 10FT Length				25-30-35-40		
SDCONLIGHT-TAR5.5-12FT	5.5FT Raise and 12FT Length						
SDCONLIGHT-TAR5.5-15FT	5.5FT Raise and 15FT length						

TERMS & CONDITIONS

Warranty

TransAmerican Power Products Inc. ("TAPP") warrants that materials it manufactures and supplies are free from defects in material and workmanship at the time of shipment. This warranty is limited to repair or replacement of defective materials and expires one (1) year from the delivery date.

The warranty does not cover damage resulting from misuse, neglect, alteration, accidents, improper installation, or conditions occurring after shipment, including during storage or installation.

No other warranties, guarantees, or representations are made beyond those expressly stated herein.

Engineering

The customer is responsible for the use and approval of all drawings and calculations. Designs are based on site-specific data provided by the customer.

TAPP is not liable for errors or changes made after design approval. The customer must consult a licensed engineer for any modifications and agrees to hold TAPP harmless from resulting claims or damages.

Inspection

Customers must report workmanship issues to the TAPP Project Manager within 24 hours of delivery and before installation, including photos and a description. TAPP is not liable for downtime during remedy discussions, including galvanization concerns. After installation, TAPP's ability to advise on galvanization is limited. Any required inspections or certifications must be requested during the quoting stage.

Photography

TAPP reserves the right to photograph completed installations for use in company literature, promotional materials, and advertising. Customer-provided installation photos are appreciated.

Notes

TAPP reserves the right to correct typographical errors. Any matters addressed in these terms will follow standard industry practices.

TAPP's liability is limited to the purchase price of the order. TAPP and its agents are not responsible for any indirect, incidental, or consequential damages, including labor, installation, replacement costs, lost profits, penalties, or other related expenses arising from the condition or performance of its products or services.

Visit Us at Our Corporate Headquarters

25700 I-45 Suite 315, Spring, TX 77386



SPECIAL NOTES:

- Final local tax amount will be calculated and added to the invoice.
- Due to fluctuations in steel prices, galvanizing, and freight costs, our quotations are subject to change prior to purchase order acceptance.

DISCLAIMER

Product photos are for reference only. Actual items may vary in appearance, features, or specifications.

For questions related to this catalog or pricing, please contact the quoting department:

E-mail: ShaftRFQ@tappinc.com

Phone: +1 (832) 552-1046



HIGH - QUALITY STEEL POLES ENGINEERED FOR EXCELLENCE

Global Sourcing, Strength in Diversity
Custom Steel Pole Solutions

R1 SERIES



R2 SERIES



R3 SERIES



R4 SERIES



R5 SERIES

Certifications & Industry Standards

