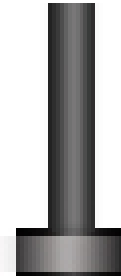


DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

## AAL Poles



### SPECIFICATIONS

#### APPLICATIONS

- Lighting installations for side and top mounting of luminaires with effective projected area (EPA) not exceeding maximum allowable loading of the specified pole in its installed geographic location

#### CONSTRUCTION

- SHAFT: One-piece tapered steel with round cross section, Minimum yield of 55,000 psi; Steel base plate with axial bolt circle slots welded flush to pole shaft having minimum yield of 36,000 psi (ASTM A36) Pole shafts taper at .14"/ft.

#### GROUP 1

- ANCHOR BOLTS: Supplied with (4) galvanized anchor bolts with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling
- BOLT COVERS: Individual anchor bolt nut covers provided as standard
- BASE COVER: Optional two-piece square base cover available
- POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HANDHOLE: 4" X 6.5" handhole opening with cover and grounding provision. The handhole is located 18" from the base of the pole.

#### GROUP 2

- ANCHOR BOLTS: Supplied with (3) galvanized anchor bolts with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling. Top nut is acorn nut.
- POLE CAP: 3" pole top standard; Supplied with removable cover when applicable; Tenon configurations also available
- HANDHOLE: 3" X 5" handhole opening with cover and grounding provision. The handhole is located 18" from the base of the pole.

#### GROUP 3

- ANCHOR BOLTS: Supplied with (4) galvanized anchor bolts with minimum yield of 55,000 psi (ASTM F1554). Galvanized hardware with two washers and two nuts per bolt for leveling
- BASE COVER: Two-piece square base cover supplied as standard.
- POLE CAP: Pole shaft supplied with removable cover when applicable; Tenon and post-top configurations also available
- HANDHOLE: 4" X 6.5" handhole opening with cover and grounding provision. The handhole is located 18" from the base of the pole.

#### FINISH

- Durable thermoset polyester powder coat paint finish with nominal 3.0 mil thickness
- Powder paint prime applied over "white metal" steel substrate cleaned via mechanical shot blast method
- Decorative finish coat available in multiple standard colors; Custom colors available, RAL number preferred

### ORDERING GUIDE

Example: RTS-A-10-40-A-1-BLT-GFI-VM2

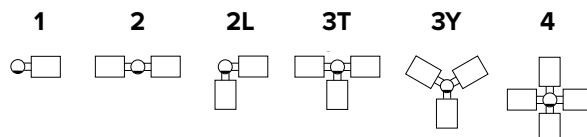
CATALOG #

#### POLE

Series	Height	Shaft	Thickness	Mounting	Finish	Options
RTS-A Round Tapered Steel Pole	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	Reference page 2 Ordering matrix	<b>1</b> Single arm mount <b>2</b> Two fixtures at 180° <b>2L</b> Two fixtures at 90° <b>3T</b> Three fixtures at 90° <b>3Y</b> Three fixtures at 120° <b>4</b> Four fixtures at 90° <b>TA</b> Tenon (2.375" OD) <b>TB</b> Tenon (2.875" OD) <b>TC</b> Tenon (3.5" OD) <b>OT</b> Open Top (includes pole cap)	<b>BLS</b> Black Gloss Smooth <b>BLT</b> Black Matte Textured <b>DBS</b> Dark Bronze Gloss Smooth <b>DBT</b> Dark Bronze Matte Textured <b>GTT</b> Graphite Matte Textured <b>LGS</b> Light Grey Gloss Smooth <b>LGT</b> Light Grey Matte Textured <b>PSS</b> Platinum Silver Gloss Smooth <b>VGT</b> Verde Green Matte Textured <b>WHS</b> White Gloss Smooth <b>WHT</b> White Matte Textured <b>Color Option</b> <b>CC<sup>1</sup></b> Custom Color	<b>GFI</b> 20 Amp GFCI Receptacle and Cover <b>EHH</b> Extra Handhole <b>C05</b> .5" Coupling <b>C07</b> .75" Coupling <b>C20</b> 2" Coupling <b>VM2</b> 2nd mode vibration damper <b>LAB</b> Less Anchor Bolts <b>MPB<sup>3</sup></b> Mid-pole Luminaire Bracket

#### MOUNTING ORIENTATION

○ ← Denotes handhole location



Accessories	
VM2SXX	2nd mode vibration damper, ordered separately

#### Notes:

- Consult factory for custom color, marine and corrosive finish
- Specify option location using logic found on page 2 (Option orientation)
- Not available on the following poles: 20ft 6" .188, 25ft 7" .188, 30ft, 8" .188, 35ft 9.5" .125

# RTS-A Series

ROUND TAPERED STEEL POLE

DATE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

TYPE: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG #: \_\_\_\_\_

## PRODUCTS EXCEPTIONS & DETAILS

### ORDERING MATRIX

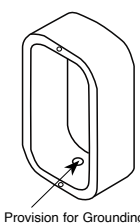
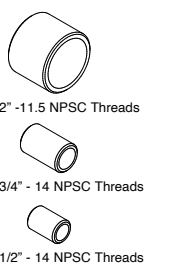
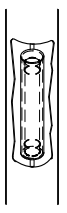

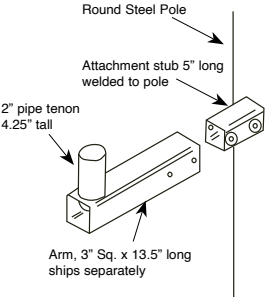
Catalog Number	Height		Nominal Shaft Dimensions	Wall Thickness	Bolt Circle (suggested)	Bolt Circle (range)	Base Plate Size	Anchor bolt size	Bolt Projection	Pole weight
	Feet	Meters								
<b>Group 1</b>										
RTS-A-20-65-A	20	6.1	6.5" x 3.7"	0.119"	10"	9.5" - 13.0"	12.5" - Square	1" x 36" x 4"	4.25"	187
RTS-A-25-70-A	25	7.6	7.0" x 3.5"	0.119"	12"	10.0" - 13.0"	12.5" - Square	1" x 36" x 4"	4.25"	226
RTS-A-30-80-A	30	9.1	8.0" x 3.8"	0.119"	12"	11.0" - 13.5"	12.5" - Square	1" x 36" x 4"	4.25"	290
RTS-A-35-85-A	35	10.7	8.5" x 3.6"	0.119"	13"	11.5" - 13.5"	12.5" - Square	1" x 36" x 4"	4.25"	340
RTS-A-39-90-A	39	11.9	9.0" x 3.5"	0.119"	13"	12.5" - 13.5"	12.5" - Square	1" x 36" x 4"	4.25"	382
<b>Group 2</b>										
RTS-A-10-50-A	10	3.0	4.4" x 3.0"	0.119"	8"	8"	8.5" Triangular	3/4" x 17" x 3"	3.5"	60
RTS-A-12-50-A	12	3.7	4.7" x 3.0"	0.119"	8"	8"	8.5" Triangular	3/4" x 17" x 3"	3.5"	70
RTS-A-14-50-A	14	4.3	5.0" x 3.0"	0.119"	8"	8"	8.5" Triangular	3/4" x 17" x 3"	3.5"	80
RTS-A-16-50-A	16	4.9	5.2" x 3.0"	0.119"	8"	8"	8.5" Triangular	3/4" x 17" x 3"	3.5"	95
RTS-A-18-50-A	18	5.5	5.5" x 3.0"	0.119"	8"	8"	8.5" Triangular	3/4" x 17" x 3"	3.5"	110
RTS-A-20-60-A	20	6.1	5.8" x 3.0"	0.119"	8"	8"	8.5" Triangular	3/4" x 17" x 3"	3.5"	125
<b>Group 3</b>										
RTS-A-25-70-B	25	7.6	7.0" x 3.5"	0.179"	10.0"	9.5" - 10.5"	10.88" Square	1" x 36" x 4"	4.25"	280
RTS-A-30-80-B	30	9.1	8.0" x 3.8"	0.179"	11.0"	10.5" - 11.5"	11.5" Square	1.25" x 42" x 6"	5.0"	380
RTS-A-35-95-A	35	10.7	9.5" x 4.6"	0.119"	13.0"	12.5" - 13.5"	13.0" Square	1" x 36" x 4"	4.25"	370
RTS-A-40-90-A	40	12.2	9.0" x 3.6"	0.119"	12.5"	12.0" - 13.0"	12.38" Square	1" x 36" x 4"	4.25"	355
RTS-A-40-90-B	40	12.2	9.0" x 3.6"	0.179"	12.5"	12.0" - 13.0"	12.38" Square	1.25" x 42" x 6"	5.0"	515
RTS-A-45-10-A	45	13.7	10.0" x 3.7"	0.119"	13.5"	13.0" - 14.0"	14.0" Square	1" x 36" x 4"	4.25"	450
RTS-A-50-10-A	50	15.2	10.0" x 3.0"	0.119"	13.5"	13.0" - 14.0"	14.0" Square	1" x 36" x 4"	4.25"	475
RTS-A-50-10-B	50	15.2	10.0" x 3.0"	0.179"	13.5"	13.0" - 14.0"	14.0" Square	1.25" x 42" x 6"	5.0"	680

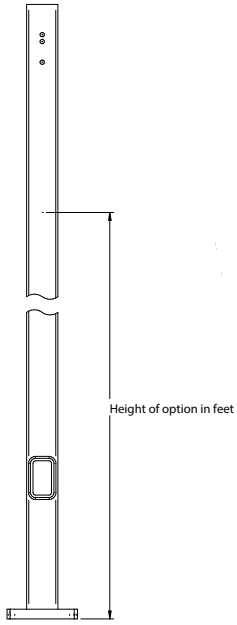
Due to our continued efforts to improve our products, product specifications are subject to change without notice.

Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion

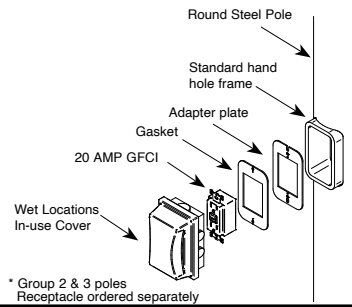
Note: There will be a weld witness mark on the side of the pole with the Factory installed VM2

**PRODUCTS EXCEPTIONS & DETAILS (CONTINUED)**

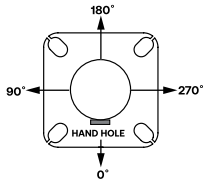
<p><b>EHH - EXTRA HANDHOLE</b></p>  <p>Provision for Grounding</p>	<p><b>C05 - C07 - C20 - COUPLING</b></p>  <p>2" - 11.5 NPSC Threads 3/4" - 14 NPSC Threads 1/2" - 14 NPSC Threads</p>	<p><b>VM2 - VIBRATION DAMPER 2ND MODE</b></p>  <p>Factory installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>	<p><b>VM2SXX - VIBRATION DAMPER 2ND MODE</b></p>  <p>VM2S08 – 8' VM2S12 – 12' VM2S16 – 16' VM2S20 – 20' VM2S24 – 24'</p> <p>Field installed, internal damper designed to alter pole resonance to reduce movement and material fatigue caused by 2nd mode vibration.</p>	<p><b>MPB - MID POLE BRACKET</b></p>  <p>Round Steel Pole Attachment stub 5" long welded to pole 2" pipe tenon 4.25" tall Arm, 3" Sq. x 13.5" long ships separately</p> <p>* Group 1 only</p>
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**GFI – 20 AMP GFCI RECEPTACLE & COVER**



For more information about pole vibration and vibration dampers, please consult our website. Due to our continued efforts to improve our products, product specifications are subject to change without notice. Unwrap poles immediately upon receipt to avoid condensation build up and possible corrosion. There will be a weld witness mark on the side of the pole with the Factory installed VM2



**OPTION ORIENTATION**  
Follow the logic below when ordering location specific options. For each option, include its orientation (in degrees) and its height (in feet). Example: Option C05 should be ordered as: **RTS-B-20-65-A-TA-DB-C05-0-15** (.5" coupling on the handhole/arm side of pole, 15 feet up from the pole base) 1" spacing required between option. Consult factory for other configurations.

## **PRODUCTS EXCEPTIONS & DETAILS (CONTINUED)**

### **WIND-SPEED WEBSITE DISCLAIMER:**

- Allowable EPA, to determine max pole loading weight, multiply allowable EPA by 30 lbs.
- The tables for allowable pole EPA are based on the ASCE 7-05 Wind Map or the Florida Region Wind Map for the 2017 Florida Building Code. The Wind Maps are intended only as a general guide and cannot be used in conjunction with other maps. Always consult local authorities to determine maximum wind velocities, gusting and unique wind conditions for each specific application
- Allowable pole EPA for jobsite wind conditions must be equal to or greater than the total EPA for fixtures, arms, and accessories to be assembled to the pole. Responsibility lies with the specifier for correct pole selection. Installation of poles without luminaires or attachment of any unauthorized accessories to poles is discouraged and shall void the manufacturer's warranty
- Wind speeds and listed EPAs are for ground mounted installations. Poles mounted on structures (such as bridges and buildings) must consider vibration and coefficient of height factors beyond this general guide; Consult local and federal standards
- Wind Induced Vibration brought on by steady, unidirectional winds and other unpredictable aerodynamic forces are not included in wind velocity ratings.
- Extreme Wind Events like, Hurricanes, Typhoons, Cyclones, or Tornadoes may expose poles to flying debris, wind shear or other detrimental effects not included in wind velocity ratings