



Design

The selection of the correct pole design is predicated on the specific loading requirements of each application. The poles located in the steel pole chart are designed to withstand dead loads and theoretical dynamic loads developed by sustained winds of 80 MPH through 110 MPH times the 1.3 gust factor. The combined EPA and the weight of the luminaire, light support brackets, platforms and any other attachments cannot exceed the rated EPA or allowable weight of that pole.

Welding

All welds shall be of the highest quality and performed by American Welding Society certified welders conforming to the latest version of the American Welding Society specification AWS D1.1.

Finish

All poles, mounting brackets and platforms are furnished with a coating of either red oxide/zinc primer, factory painted, powder coated or hot-dip galvanized to ASTM A-123. Miscellaneous hardware will be galvanized to ASTM A-153. Exterior finish coatings are available by request.

Pole Shaft

The steel pole shall consist of the appropriate number of pole sections, either round or multi-sided, for heights up to 120 feet. Each section shall be fabricated from high strength low alloy steel conforming to ASTM A-572, with a minimum yield strength of 55,000 psi. These shafts shall telescope over each other to match the overall desired pole height. The overlap telescoping joint shall have a length that is the larger of 2 feet or 1-1/2 times the diameter of the inside of the female tube. The sections shall be pre-fitted and match marked at the factory. All sections shall maintain a uniform taper from top to bottom. There shall be at least one longitudinal seam weld in the tapered section of the shaft. The longitudinal seam weld shall have at least 60% penetration, except in the areas where the shaft section telescopes over another. In overlapping areas, the weld penetration shall be 100%. No circumferential weld splices may be used in fabricating the shafts.

Hand Hole

An oval reinforced hand hole, having a nominal 4" x 6" x .25" wall, will be installed 18" above the groundline. A hand hole cover and attaching hardware is included with each hand hole assembly. A ground lug will be welded inside the pole opposite the hand hole. This is standard on all poles unless otherwise specified.

Direct Burial

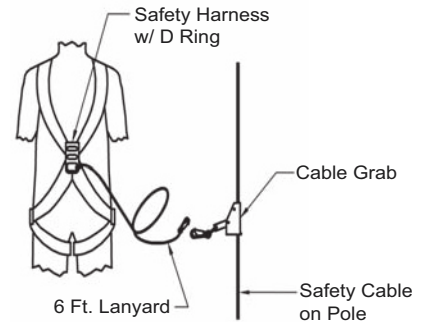
The direct burial portion of the pole which will be 10% of the free pole height + 2 feet, will include two 3" x 5" reinforced hand holes at 180 degrees apart, 24" below ground level for wire access. A 1/4" thick bearing plate will be integrally welded to the base of the shaft to aid in anti-rotation. As an option, a mastic coating may be applied at the ground level of the outer pole shaft +/- one foot to serve as added protection against the elements.

Pole Top

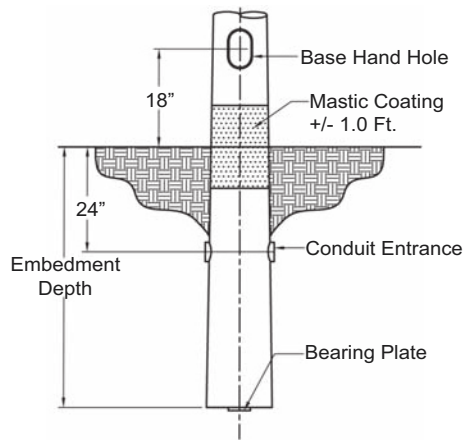
Each pole will be provided with either a removable pole cap, flat plate, or 2 3/8" O.D. x 5" tenon top (other sizes available).

Sports Lighting Pole Part Number:

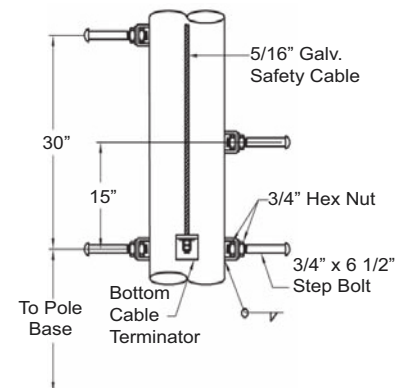
Complete factory pre-wired system available.
Please consult factory for details.



Safety Harness



Base Plate Detail



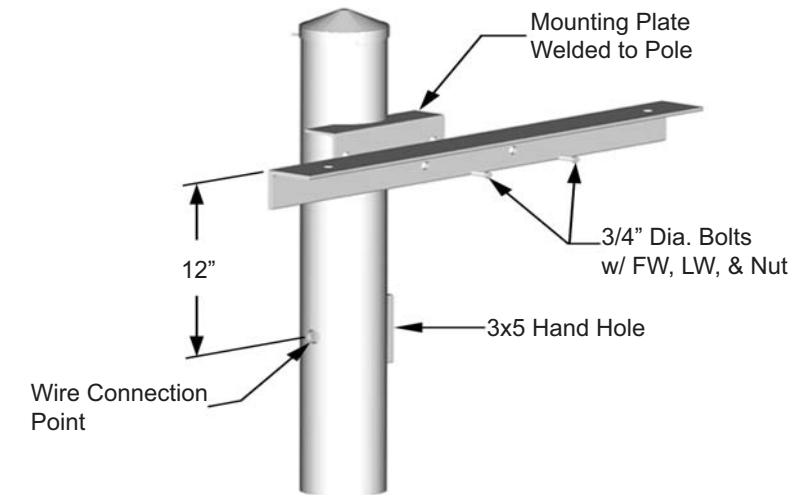
Removable Pole Step



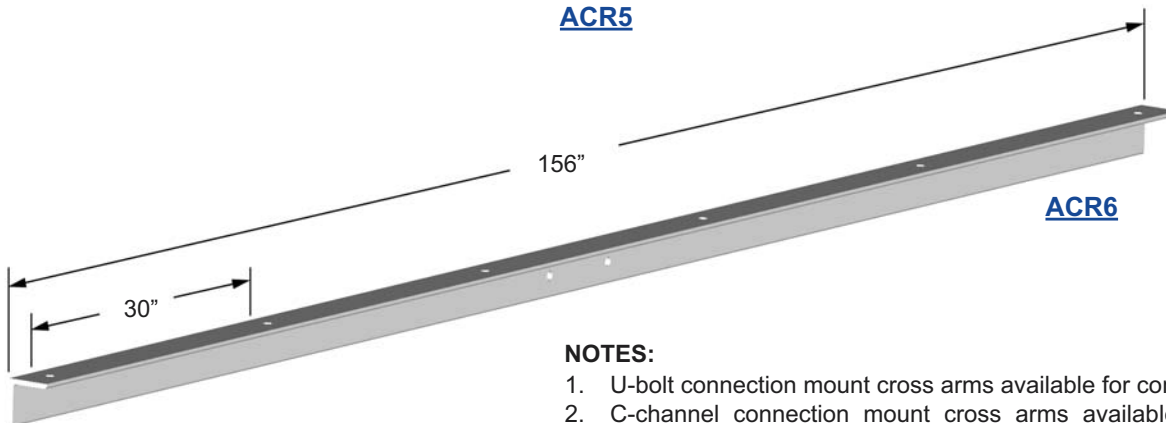
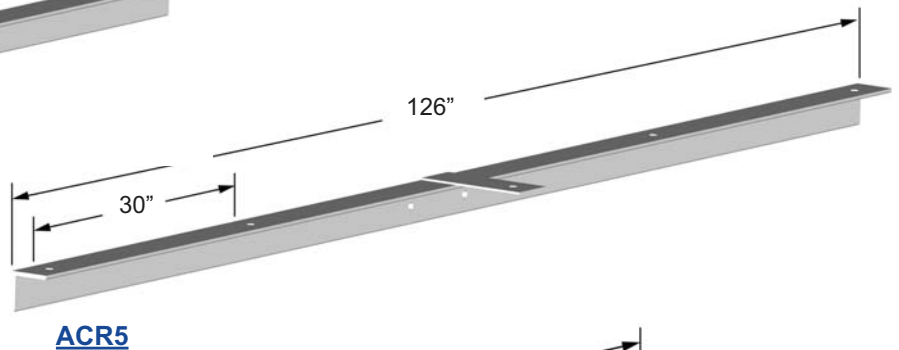
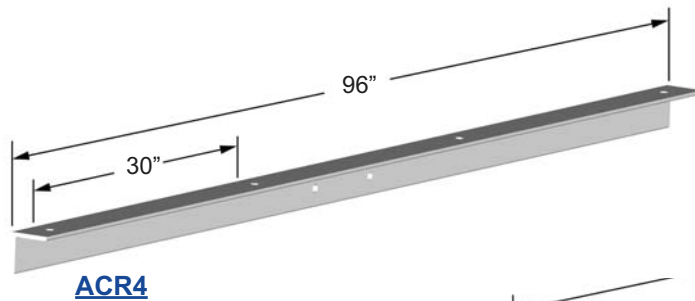
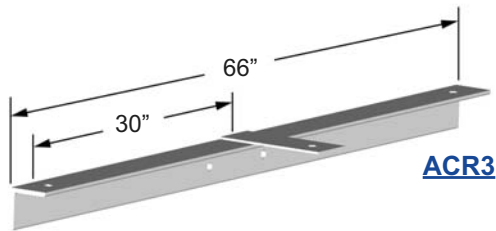
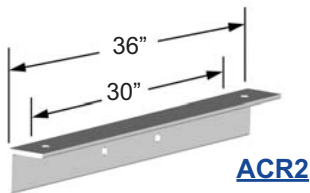
Catalog Number	Mounting Height (ft)	Pole Weight (lbs)	Embedment Depth (ft)	Max Loading Capacities								Base Reactions		
				80 (mph)		90 (mph)		100 (mph)		110 (mph)		Axial (lbs)	Shear (lbs)	Moment (lbs)
				EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)			
RTS-501-DE	50	841	7.00	25	625	20	500	17	425	14	350	1300	1800	66900
RTS-502-DE	50	1039	7.00	42	1050	33	825	26	650	21	525	1900	2200	87100
RTS-503-DE	50	1255	7.00	52	1300	42	1050	33	825	27	675	2300	2600	104900
RTS-504-DE	50	1317	7.00	75	1875	59	1475	47	1175	39	975	2900	3500	147000
RTS-601-DE	60	1135	8.00	25	625	20	500	16	400	13	325	1700	1900	81400
RTS-602-DE	60	1456	8.00	47	1175	37	925	30	750	24	600	2500	2700	125600
RTS-603-DE	60	1594	8.00	60	1500	48	1200	39	975	31	775	3000	3300	159600
RTS-604-DE	60	1767	8.00	83	2075	64	1600	50	1250	39	975	3500	4100	196600
RTS-701-DE	70	1722	9.00	39	975	31	775	24	600	20	500	2600	2700	140000
RTS-702-DE	70	1922	9.00	53	1325	42	1050	34	850	28	700	3100	3400	183200
RTS-703-DE	70	2043	9.00	65	1625	52	1300	41	1025	32	800	3500	3800	209700
RTS-704-DE	70	2210	9.00	78	1950	60	1050	46	1150	36	900	3700	4500	238600
RTS-801-DE	80	2043	10.00	34	850	27	675	23	575	17	425	2700	3000	163900
RTS-802-DE	80	2180	10.00	41	1025	33	825	27	675	21	525	3000	3300	191000
RTS-803-DE	80	2369	10.00	53	1325	41	1025	33	825	26	650	3400	3800	224700
RTS-804-DE	80	3288	10.00	83	2075	66	1650	53	1325	44	1100	4900	5000	321100
RTS-901-DE	90	2337	11.00	30	750	21	525	18	450	13	325	2800	3000	173600
RTS-902-DE	90	2542	11.00	37	925	27	675	22	550	16	400	3200	3400	207900
RTS-903-DE	90	3442	11.00	59	1475	46	1150	37	925	29	725	4500	4400	289000
RTS-904-DE	90	3394	11.00	76	1900	58	1450	44	1100	32	800	4600	5500	349400
RTS-101-DE	100	3314	12.00	50	1250	39	975	29	725	21	525	3900	4800	312000
RTS-102-DE	100	3641	12.00	60	1500	44	1100	33	825	24	600	4400	5300	346300
RTS-103-DE	100	4063	12.00	71	1775	53	1325	39	975	28	700	4900	5900	390300
RTS-104-DE	100	4784	12.00	85	2125	66	1650	51	1275	40	1000	5900	6800	482500



Cross Arm Bracket Part Number:



Catalog Number	EPA (ft²)	Weight (lbs)
ACR2	1.74	30
ACR3	2.73	47
ACR4	3.97	68
ACR5	5.95	103
ACR6	7.37	127



NOTES:

1. U-bolt connection mount cross arms available for concrete poles.
2. C-channel connection mount cross arms available for wood poles.
3. Overall cross arm length may vary.



TERMS AND CONDITIONS OF SALE

Acceptance of this order by Jademar is expressly conditioned upon the Terms and Conditions contained therein. If these Terms and Conditions differ in any way from Purchaser's order or if transmission of these Terms and Conditions to Purchaser constitutes or is construed as an acceptance of Purchaser's order, then additional or different terms or conditions set forth in Purchaser's purchase order or similar communication are objected to and will not be binding upon Jademar unless specifically assented to in writing by an Officer of Jademar. In any event, Purchaser's receipt of any submittals or shop manifest Purchaser's assent to these Terms and Conditions.

1. PRICES AND TERMS:

All prices by Jademar are payable and due in U.S. Dollars. Prices are subject to change without notice. Prices do not include any present or future sales, excise, value-added or any taxes and, where applicable such items shall be billed separately and paid by the Purchaser.

2. QUOTATIONS:

Prices are subject to receipt and acceptance of order within thirty (30) days of the price quotation by Jademar.

3. TERMS OF PAYMENT:

Unless otherwise agreed in writing by Jademar, Purchaser shall pay in full the amount of each invoice, within thirty (30) days from the date of the invoice, at Jademar's principal office or such other location as Jademar may specify. If payment is not made when due, Purchaser agrees to pay to Jademar interest on the amount past due at the rate of one and one half percent (1 1/2%) per month (18% per annum) or the maximum lawful rate, whichever is less. Nothing herein shall be deemed to extend or otherwise modify Purchaser's obligation to make payment when due.

4. CREDIT HOLD, C.O.D. AND PURCHASES:

Jademar reserves the right to place Purchaser on credit hold when any invoice has not been paid in full forty-five (45) days after the invoice date. The credit hold will apply to existing pending shipments and to all affiliates of Purchaser. Jademar may in its sole discretion require that any purchase be made on a prepaid or C.O.D. basis.

5. COSTS:

If Jademar is required to retain an attorney to collect balances due under this Purchase Order, or is required to defend claims brought against it by Purchaser arising out of this Purchase Order, the Purchaser shall indemnify and hold harmless Jademar for all costs incurred in collecting balances due or defending such claims, including but not limited to the fee of any collection agency, attorneys fees, and court costs.

6. FREIGHT:

All sales are priced F.O.B. destination unless otherwise specified, except that preshipped anchor bolts and templates will be shipped at the expense of, and invoiced to, the Purchaser. Any re consignment, redelivery or storage expenses shall be the responsibility of the Purchaser.

7. ROUTING, HANDLING AND STORAGE:

Routing will be determined by Jademar with delivery to the common carrier delivery point nearest to destination. Handling, unloading, storage, extra labor or mechanical facilities, and movement from the shipping destination to Purchaser's job site required in connection therewith will be the responsibility of Purchaser.

8. TITLE, RISK OF LOSS, ACCEPTANCE:

In all cases, title shall pass upon delivery at common carrier delivery point nearest to destination and thereafter all risk of loss or damage shall be upon the Purchaser. Purchaser agrees to reasonably inspect products within ten (10) days of delivery. After such inspection, the products shall be accepted by Purchaser by an authorized and qualified representative. Purchaser agrees to accept delivery of the products in accordance with these Terms and Conditions with ten (10) days after the delivery date. If the products are not in conformance with these Terms and Conditions, Purchaser shall give written notice to Jademar of any claim to that effect setting forth in reasonable detail the manner in which the products do not conform and Purchaser's intent to claim breach of the Purchase Order Agreement. If Purchaser retains the products after their delivery without giving Jademar such notice as required within ten (10) days after delivery, such failure shall constitute and irrevocable acceptance of the products by Purchaser except with respect to defects not reasonably discoverable by such inspection. Purchaser's sole remedy for any defects or nonconformance shall be in accordance with the warranty herein provided.

9. BACKCHARGES:

Jademar will be notified promptly of any potential backcharges by Purchaser. Upon notification Jademar shall have five (5) business days to investigate the source of the problems and perform or commence to perform corrective work as required failing which the Purchaser will have the right to perform corrective work with backcharges. Jademar will have the option to repair or replace, in a timely manner, any materials or equipment not in accordance with drawings or specifications. Purchaser's assistance in correction work shall be mutually agreed upon in a timely manner, between Jademar's and Purchaser's representatives on site prior to commencing work in, regard to scope and costs. All backcharges will be deducted from progress payments or retainage.

10. DELIVERY:

Factory shipping dates given in advance of actual shipment are estimated by Jademar and shall not be deemed to represent fixed or guaranteed shipping dates. Jademar shall not be liable for failure of or delay of performance due to (i) cause beyond its reasonable control or (ii) an act of God, act or omission of Purchaser act of civil military authority, government priority of other allocation or control, fire, strike or other labor difficulty, riot or other civil disturbance, acts of terrorism, insolvency or other inability to perform by the manufacturer, delay in transportation or (iii) any other commercial impracticability. In the event of any such delay the date of delivery or performance by Jademar shall be extended for a period equal to the time lost by reason of delay. In addition to any other right which it may have hereunder or at law, Jademar may suspend shipment of any goods for which Jademar has not already received payment whenever Purchaser is in default under this or any other contract of sale between Jademar and Purchaser.

11. WARRANTY, LIMITATION OF LIABILITY:

Jademar warrants that the Products will, upon shipment be free from defects in materials and workmanship. Products will be manufactured according to Purchaser's approved Submittals if Purchaser has given, in its entirety, an original approved stamped copy of the Submittal to Jademar, which has been approved by the Owner or Owner's Representative. Jademar agrees to correct, and retains the right, in its sole discretion, to correct by repair or replacement, at its sole expense, and at its option, either at Jademar's factory or at the installation site, defects in materials or workmanship which may appear as a result of normal and proper use within one (1) year from the date of shipment (the "Warranty Period"), if inspection proves that such defects existed at the time of shipment, if the Purchaser gives to Jademar written notice of such defects within ten (10) days of discovery and within the Warranty Period, and if during the Warranty Period the Products have been properly cared for and operated under normal condition by competent personnel under competent supervision. Any transportation cost in connection with correction of defects in Jademar's Products shall be payable by the Purchaser. Jademar does not warrant any Products that are altered, except as approved by written notice to Purchaser from Jademar's Customer Service Department prior to alteration; otherwise, this Warranty is null and void as to the altered Products. Repair or replacement of any Products shall be Jademar's only obligation and the sole and exclusive remedy of the Purchaser in the event of a failure to conform to this Warranty. Jademar shall not be responsible for any damage resulting from improper storage or handling by employees, agents or contractors of Purchaser. Jademar shall not assume any expense or liability for repairs made to any purchased equipment and accessories not warranted by Jademar, but Jademar hereby passes the original manufacturer's warranties to the Purchaser to the fullest extent possible. This warranty covers Jademar's own Products only and does not extend to the failures in performance due either to defects in any equipment or component not manufactured by Jademar or to improper or insufficient information furnished to Jademar regarding the performance of the equipment in question.

JADEMAR EXPRESSLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES (EXCEPT THAT OF TITLE) EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE MAXIMUM LIABILITY OF JADEMAR WITH THE RESPECT TO ANY PRODUCTS (WHETHER IN TORT, IN STRICT LIABILITY, IN CONTRACT OR OTHERWISE) WILL NOT EXCEED THE PURCHASE PRICE PAID BY THE PURCHASER. IN NO EVENT WILL JADEMAR BE LIABLE IN TORT, IN STRICT LIABILITY, IN CONTRACT, OR OTHERWISE FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING (BUT NOT LIMITED TO) LOSS OF ANTICIPATED PROFITS OF REVENUES, LOSS OF USE, NON-OPERATION OR INCREASED OPERATION COST, COSTS OF CAPITAL, UNABSORBED OR EXTENDED HOME OFFICE OVERHEAD, OR CLAIMS OF CUSTOMERS OF PURCHASER.

12. CLAIM FOR SHORTAGES:

All claims for shortages must be submitted by Purchaser to Jademar in writing within ten (10) days of receipt of shipment at common carrier delivery point nearest to destination.

13. RETURNED GOODS:

Returns are not allowed for made to order poles and brackets.

14. CANCELLATION:

Written consent of Jademar must be obtained prior to a cancellation of any order. Cancellation of an order will subject the Purchaser to a cancellation charge based upon expenses already incurred and commitments made by Jademar.

15. ASSIGNMENT:

Purchaser may not delegate or assign of any or all of its duties or rights hereunder without the prior written consent made by Jademar.

16. GENERAL:

Jademar reserves the right to change any feature of its published specifications without notice to promote production improvement and/or allow for materials availability. Any representation, affirmation of fact and course of dealings, promise or condition in connection therewith or usage of trade not incorporated herein, shall not be binding on either party. No waiver, alteration or modification of any of the provisions hereof shall be binding upon Jademar unless specifically assented to in writing by an Officer of Jademar. The contract of the sale of goods between Jademar and Purchaser shall be performed in Tarrant County, Texas.

The validity, performance, and all matters relating to the interpretation and effect hereof and any amendment hereto shall be governed by the laws of the State of Texas. Any controversy or claim arising out of or relating to this contract, or the breach thereof, shall be settled by binding arbitration administered by the American Arbitration Association under its Construction Industry Arbitration Rules, taking place in Tarrant County, Texas. Judgment of the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. The parties also expressly agree that they will cooperate in the exchange of documents and lists of witnesses (including any experts) before the arbitration as well as interviewing or deposing of witnesses. The prevailing party in any arbitration shall be entitled to recovery of its reasonable expenses from the other party incurred in enforcing these Terms and Conditions, including costs for attorney's fees, expert witnesses, and the arbitrators of the American Arbitration Association.

17. AUTHORITY:

The person signing on behalf of Purchaser represents and warrants to Jademar that such person is an authorized agent of Purchaser, with full power and authority to enter into the agreement defined by these Terms and Conditions.

Jademar Lighting reserves the right to change any portion of this publication without notice in order



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Revised 06/2025
Page 4 of 4