

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.

Base Plate

The base plate is fabricated from a structural quality hot rolled carbon steel plate that meets or exceeds ASTM A-36 with a minimum yield strength of 42,000 psi. The base plate shall telescope the pole shaft and have a circumferential weld on the top and bottom or shall have a full penetration butt weld with a back up bar. The anchor bolt holes shall be slotted and will be a minimum 1/4" larger than the diameter of the anchor bolts used on the pole.

Hand Hole

An oval reinforced hand hole, having a nominal 4" x 6" x .25" wall, will be installed 18" above the base plate. 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.

Anchor Bolts

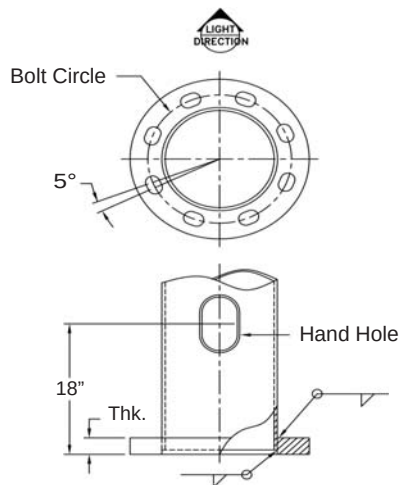
Anchor bolts are fabricated from a commercial quality hot-rolled carbon steel bar that meets or exceeds minimum yield strength of 55,000 psi. Anchor bolts are sized according to each pole design and are furnished with 2 galvanized heavy hex nuts and 2 galvanized flat washers. Anchor bolts shall be galvanized a minimum of 6 inches on the threaded end in accordance with ASTM A-153. Anchor bolts will ship with the poles unless otherwise noted.

Pole Top

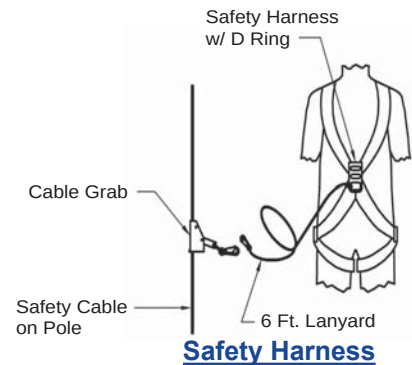
Each pole will be provided with either a removable pole cap, flat plate, or 2 3/8" O.D. x 5" tenon top (other sizes available).

Sports Lighting Pole Part Number:

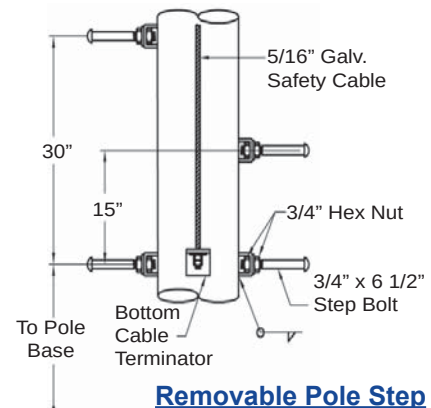
**Complete factory pre-wired system available.
Please consult factory for details.**



Base Plate Detail



Safety Harness



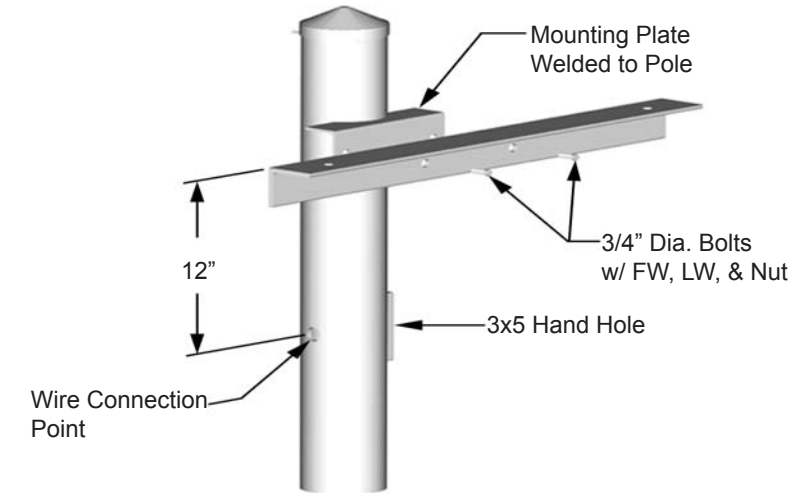
Removable Pole Step



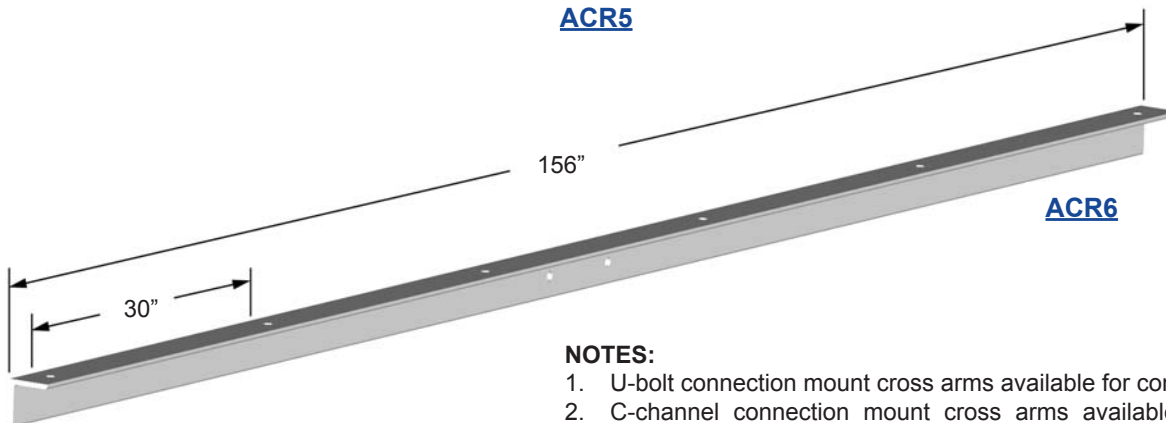
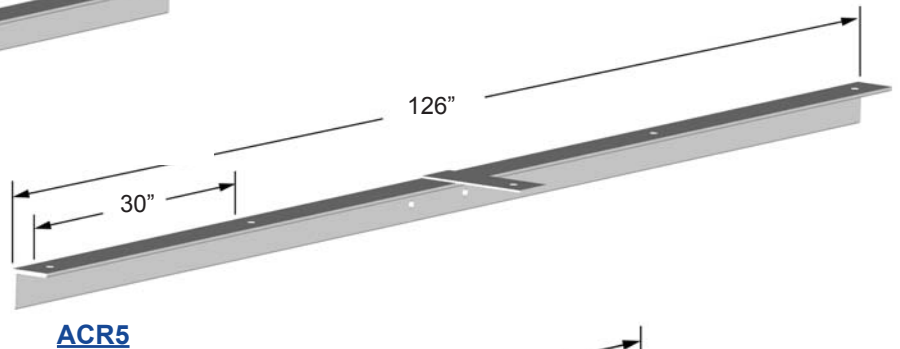
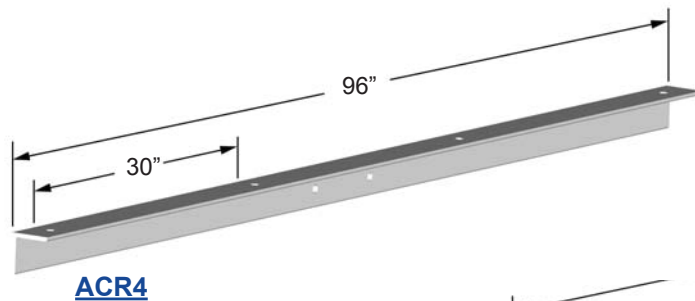
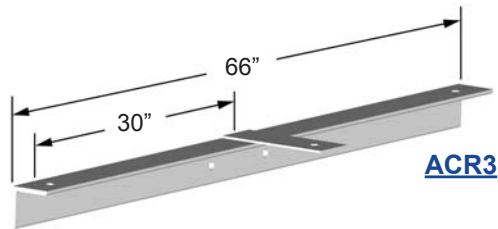
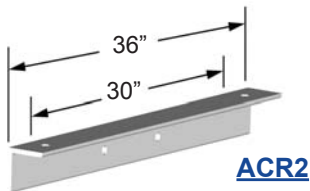
Catalog Number	Pole Height (ft)	Pole Weight (lbs)	Anchor Bolts			Max Loading Capacities								Base Reactions		
			Bolt Circle (in)	Qty	Dimensions (in)	80 (mph)		90 (mph)		100 (mph)		110 (mph)		Axial (lbs)	Shear (lbs)	Moment (lbs)
						EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)	EPA (ft²)	Wt. (lbs)			
RTS-501-AB	50	448	14.0	4	1.25 x 42 x 6	14	350	10	250	7	175	5	125	800	1300	41100
RTS-502-AB	50	645	14.0	4	1.25 x 42 x 6	23	575	18	450	14	350	11	275	1200	1600	58700
RTS-503-AB	50	755	15.5	4	1.50 x 54 x 6	32	800	25	625	20	500	16	400	1500	1900	73600
RTS-504-AB	50	856	16.5	4	1.50 x 54 x 6	41	1025	33	825	26	650	21	525	1800	2300	88700
RTS-505-AB	50	964	17.5	4	1.75 x 54 x 6	52	1300	41	1025	32	800	25	625	2200	2600	103100
RTS-506-AB	50	1268	18.0	4	1.75 x 54 x 6	71	1775	56	1400	45	1125	36	900	3000	3200	134500
RTS-601-AB	60	1025	17.0	4	1.50 x 54 x 6	26	650	20	500	16	400	13	325	1700	1800	77500
RTS-602-AB	60	1148	18.0	4	1.50 x 54 x 6	35	875	28	700	22	550	17	425	2000	2200	95600
RTS-603-AB	60	1553	20.5	8	1.50 x 54 x 6	62	1550	50	1250	40	1000	32	800	3000	3400	163800
RTS-604-AB	60	1695	21.5	8	1.50 x 54 x 6	81	2025	63	1575	49	1225	39	975	3400	4100	196100
RTS-701-AB	70	1228	18.0	4	1.50 x 54 x 6	22	550	17	425	13	325	10	250	1800	1900	86200
RTS-702-AB	70	1672	20.5	8	1.50 x 54 x 6	41	1025	33	825	26	650	21	525	2600	2800	145800
RTS-703-AB	70	1834	21.5	8	1.50 x 54 x 6	55	1375	42	1050	34	850	28	700	3100	3400	183200
RTS-704-AB	70	2033	22.5	8	1.50 x 54 x 6	75	1875	57	1425	44	1100	34	850	3800	4000	216400
RTS-705-AB	70	2150	23.0	10	1.50 x 54 x 6	82	2050	63	1575	49	1225	37	925	4000	4200	233300
RTS-801-AB	80	1946	21.5	8	1.50 x 54 x 6	39	975	28	700	22	550	19	475	2700	3000	170400
RTS-802-AB	80	2169	22.5	8	1.50 x 54 x 6	49	1225	39	975	32	800	25	625	3300	3600	211400
RTS-803-AB	80	2302	23.0	10	1.50 x 54 x 6	60	1500	48	1200	37	925	28	700	3700	4000	232500
RTS-804-AB	80	2493	24.0	10	1.50 x 54 x 6	72	1800	55	1375	42	1050	33	825	4100	4400	266000
RTS-805-AB	80	3481	25.5	8	1.75 x 54 x 6	111	2775	86	2150	67	1675	53	1325	6000	5800	377500
RTS-901-AB	90	2278	22.5	8	1.50 x 54 x 6	33	825	26	650	22	550	17	425	3000	3400	204100
RTS-902-AB	90	2425	23.0	10	1.50 x 54 x 6	40	1000	31	775	26	650	21	525	3300	3700	223100
RTS-903-AB	90	2636	24.0	10	1.50 x 54 x 6	51	1275	40	1000	31	775	24	600	3700	4200	263600
RTS-904-AB	90	3689	25.5	8	1.75 x 54 x 6	80	2000	64	1600	52	1300	41	1025	5400	5300	370000
RTS-101-AB	100	2573	23.0	10	1.50 x 54 x 6	27	675	23	575	18	450	14	350	2900	3900	233000
RTS-102-AB	100	2798	24.0	10	1.50 x 54 x 6	34	850	28	700	22	550	17	425	3300	4300	268100
RTS-103-AB	100	3359	27.0	10	1.50 x 54 x 6	65	1625	49	1225	37	925	26	650	4600	5600	369000
RTS-104-AB	100	4379	30.0	8	1.75 x 54 x 6	87	2175	68	1700	54	1350	40	1000	5600	7000	499800



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 many 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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