

Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE — Round Tapered Steel Upsweep Single Member Mast Arm Direct Burial Pole with Single or Twin Mounting Arms is a special purpose light pole to provide up to 40-foot mounting heights for Roadway lighting applications. This embedded pole provides a robust yet cost effective solution for mounting Roadway luminaires without need of the added expense for poured concrete foundations.

CONSTRUCTION —

Pole Shaft: The pole shaft is of 11-gauge (0.120") with a uniform wall thickness and is made of a weldable-grade (ASTM A-595 Grade A), hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi. Shaft is one-piece construction with a full-length longitudinal high-frequency electric resistance weld and is round in cross-section having a uniform linear taper of .14" per foot.

Pole Top: Options include 4" tenon top, drilled for side mount fixture, tenon with drilling (includes extra handhole) and open top. Side drilled and open top poles include a removable steel top cap with set screws.

Handhole: A reinforced handhole with grounding provision is provided at 18" above grade. Every handhole includes a cover and cover attachment hardware. 3" x 5" rectangular handhole is provided on pole with 5.9" shaft side dimension. Pole shaft with dimensions larger than 5.9" are provided with a 4" x 6.5" oval shaped handhole.

HARDWARE — All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel, or stainless steel.

FINISH — Extra durable painted finish is coated with TGIC (Triglycidyl Isocyanurate) Polyester powder that meets 5A and 5B classifications of ASTM D3359. Powder-coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Colors and Special Finishes are available by quote and include, but are not limited to Paint over Hot-dipped Galvanized, RAL Colors, Custom Colors and Extended Warranty Finishes.

ARM CONSTRUCTION — Body is 2-3/8" O.D. (2" NPS, Schedule 40) galvanized steel tube (with a minimum yield strength of 36,000 psi). Welding follows AWS standards. Arms are galvanized after fabrication.

ARM HARDWARE — Mast Arm mounting plate is designed to be bolted to the shaft with a 1/2" steel bolt Simplex mount.

ARM FINISH — Finish to match pole shaft.

BUY AMERICAN ACT — Product with the BAA option is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/buy-american for additional information.

INSTALLATION — **Do not** erect poles without having fixtures installed. Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage. Lithonia Lighting is not responsible for the foundation design.

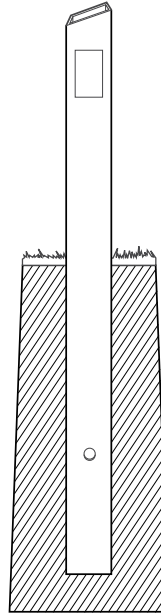
WARRANTY — 1-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

Direct Burial

RTSUDB

**ROUND TAPERED STEEL
UPSWEPT SINGLE MEMBER
MAST ARM DIRECT BURIAL POLE
WITH SINGLE OR TWIN
MOUNTING ARMS
21' TO 41' FIXTURE MOUNTING**



RTSUDB Round Tapered Steel Upsweep Single Member Mast Arm Direct Burial Poles with Single or Twin Mounting Arms

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: RTSUDB 21 7-0B SMP US8 GALV VD

RTSUDB									
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness ¹		Mounting / Arm length		Options		Finish	
RTSUDB	21'-41' (for 1/2 ft increments, add -6 to the pole height. Ex: 20-6 equals 20ft 6in.) (See technical information table for complete ordering information.)	5-9B	5.9" 11g (.120")	SMP US4	Single-bolt Simplex mount, 4' arm length	<u>Shipped installed</u>		<u>Super durable paint colors</u>	
		6-6B	6.6" 11g (.120")			VD	Vibration damper	DDBXD	Dark bronze
		7-0B	7.0" 11g (.120")	SMP US6	Single-bolt Simplex mount, 6' arm length	FDLxy	Festoon outlet less electrical ^{2,3}	DBLXD	Black
		7-3B	7.3" 11g (.120")	SMP US8	Single-bolt Simplex mount, 8' arm length	CPL12/xy	1/2" coupling ²	DNAXD	Natural aluminum
		7-5B	7.5" 11g (.120")			CPL34/xy	3/4" coupling ²	DWHXD	White
		8-5B	8.5" 11g (.120")	SMP 2US8	Single-bolt Simplex mount, 8' arm length	CPL1/xy	1" coupling ²	DSSXD	Sandstone
		9-0B	9.0" 11g (.120")			NPL12/xy	1/2" threaded nipple ²	DGCXD	Charcoal gray
		9-5B	9.5" 11g (.120")			NPL34/xy	3/4" threaded nipple ²	DTGXD	Tennis green
		10-0B	10" 11g (.120")			NPL1/xy	1" threaded nipple ²	DBRXD	Bright red
						EHHxy	Extra handhole ^{2,4}	DSBXD	Steel blue
			(See technical information table for complete ordering information.)					DDBTXD	Textured dark bronze
						STLHHC	Steel handhole cover (standard is plastic, finish is smooth) ⁵	DBLBXD	Textured black
						IC	Interior coating ⁶	DNATXD	Textured natural aluminum
						TP	Tamper resistant handhole cover fasteners	DWHGXD	Textured white
						NEC	NEC 410.30 compliant gasketed handhole (Not UL Labeled)	<u>Other finishes</u>	
						UL	UL listed with label (Includes NEC compliant cover)	GALV	Galvanized finish
						BAA	Buy America(n) Act Compliant ⁷	<u>Architectural colors and special finishes⁸</u>	
								[PAINT] GALV	Paint over galvanizing
								VP30	3 year warranty extension
								VP53	5 year warranty extension
						RAL####	Use designated Lithonia Lighting nomenclature in brochure		
						Custom color	Nomenclature assigned through Customer Care "Custom Color Process"		

NOTES:

- Wall thickness will be signified with a "B" (11 Gauge) in nomenclature. "B" - 0.120"
- Specify location and orientation when ordering option.
For "x": Specify the height above the base of pole in feet or feet and inches; separate feet and inches with a "-".
Example: 5ft = 5 and 20ft 3in = 20-3
For "y": Specify orientation from handhole (A,B,C,D) Refer to the Handhole Orientation diagram below.
Example: 1/2" coupling at 5' 8", orientation C = CPL12/5-8C
- FDL does not come with GFCI outlet or handhole cover. These must be supplied by contractor or electrician.
- EHH includes cover.
- Plastic handhole covers come standard with all poles and ship separately. Additional parts can be ordered as replacements.
- Provides enhanced corrosion resistance. N/A with GALV.
- Use when mill certifications are required.
- Must be quoted through AQD. Finishes do not require RFA. RAL colors available are shown in "Architectural Colors brochure". Lead times may be extended up to 2 weeks due to paint procurement.

Accessories: Order as separate catalog number.

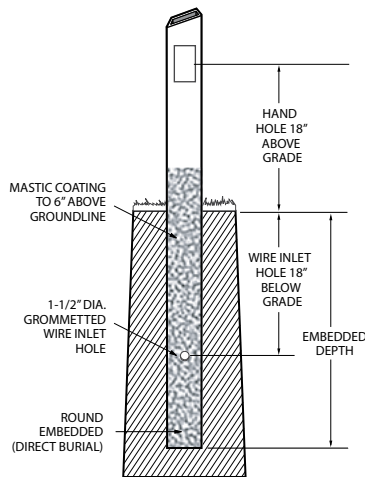
PL DT20	Plugs for ESX drillings
PL DT8	Plugs for DMxxAS drillings
FVD xxFT	Field installed vibration damper (snake style)

RTSUDB Round Tapered Steel Upsweep Single Member Mast Arm Direct Burial Poles with Single or Twin Mounting Arms

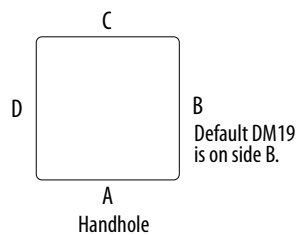
TECHNICAL INFORMATION — EPA (ft ²) WITH 3-SECOND GUST PER AASHTO 2013																				
Series	Mounting Height including 1' net rise of mast arm (ft.)	Shaft base size	Embedment depth (ft.)	Number of arms	Arm length (ft.)	90 MPH	Max. weight	100 MPH	Max. weight	110 MPH	Max. weight	120 MPH	Max. weight	130 MPH	Max. weight	140 MPH	Max. weight	150 MPH	Max. weight	Approx. ship weight (lbs.)
RTSUDB	21	5-9B	5	1	4	4	100	4	100	4	100	4	100	4	100	4	100	3.5	88	138
RTSUDB	21	5-9B	5	1	6	3	75	3	75	3	75	3	75	3	75	3	75	2.5	63	144
RTSUDB	21	5-9B	5	1	8	2	50	2	50	2	50	2	50	2	50	2	50	1.5	38	151
RTSUDB	21	7-0B	5	1	8	3.5	88	3.5	88	3	75	2.5	63	2.5	63	2	50	1.5	38	159
RTSUDB	21	5-9B	5	2	8	3.5	88	3.5	88	3	75	2.5	63	1.5	38	1	25	0.5	13	171
RTSUDB	21	7-0B	5	2	8	3.5	88	3.5	88	3	75	2.5	63	2.5	63	2	50	1.5	38	185
RTSUDB	26	6-6B	5	1	4	3.5	88	3.5	88	3.5	88	3.5	88	3.5	88	3.5	88	3.5	88	159
RTSUDB	26	6-6B	5	1	6	2.5	63	2.5	63	2.5	63	2.5	63	2.5	63	2.5	63	2.5	63	165
RTSUDB	26	6-6B	5	1	8	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	172
RTSUDB	26	8-0B	5	1	8	3.5	88	3.5	88	3	75	2.5	63	2	50	2	50	1.5	38	180
RTSUDB	26	6-6B	5	2	8	3.5	88	3.5	88	3	75	2	50	1.5	38	1	25	0.5	13	192
RTSUDB	26	8-0B	5	2	8	3.5	88	3.5	88	3	75	2.5	63	2	50	2	50	1.5	38	206
RTSUDB	31	7-5B	5	1	4	3.5	88	3.5	88	3.5	88	3.5	88	3.5	88	3.5	88	3	75	202
RTSUDB	31	7-5B	5	1	6	2.5	63	2.5	63	2.5	63	2.5	63	2.5	63	2.5	63	2.5	63	208
RTSUDB	31	7-5B	5	1	8	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	1.5	38	215
RTSUDB	31	9-0B	5	1	8	3.5	88	3.5	88	3	75	2.5	63	2	50	1.5	38	1.5	38	223
RTSUDB	31	7-5B	5	2	8	3.5	88	3.5	88	2.5	63	2	50	1	25	0.5	13	-	-	235
RTSUDB	31	9-0B	5	2	8	3.5	88	3.5	88	3	75	2.5	63	2	50	1.5	38	1.5	38	249
RTSUDB	36	9-5B	7	1	8	3.5	88	3.5	88	3	75	2.5	63	2	50	1.5	38	1.5	38	250
RTSUDB	36	9-5B	7	2	8	3.5	88	3.5	88	3	75	2.5	63	2	50	1.5	38	1.5	38	297
RTSUDB	41	10-0B	7	1	8	3.5	88	3.5	88	3	75	2.5	63	2	50	1.5	38	1.5	38	352
RTSUDB	41	10-0B	7	2	8	3.5	88	3.5	88	3	75	2.5	63	2	50	1	25	0.5	13	399

NOTE: AASHTO 2013 criteria is the most conservative existing EPA calculation. The AASHTO 2013 EPA values reflects Maximum Arm Lengths. If maximum EPA value for maximum arm length is less than what is needed please contact the Tech Support - Outdoor team.

BASE DETAIL



HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

- **Do not** erect poles without having fixtures installed.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

CAUTION: These specifications are intended for general purposes only. Lithonia Lighting reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.