

SHOP DRAWING SUBMITTAL

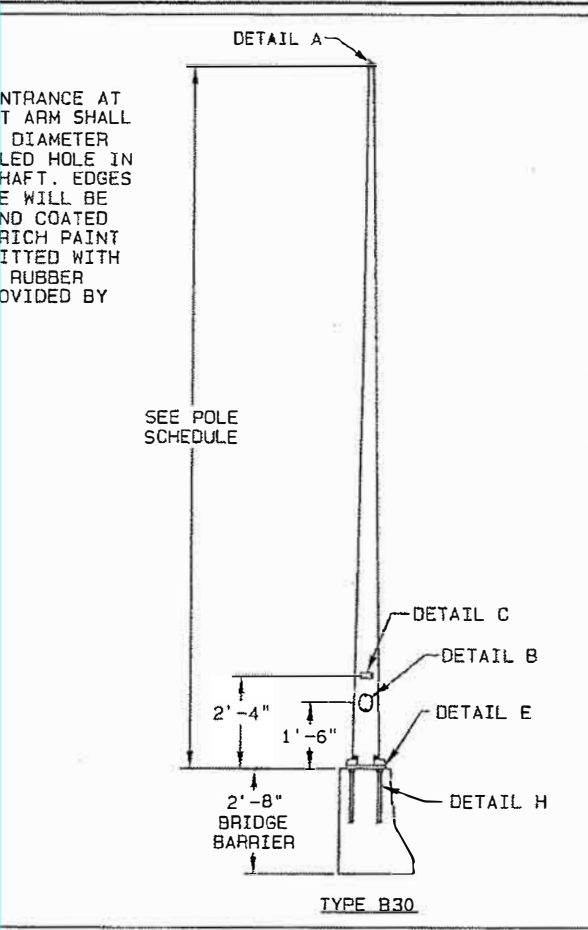
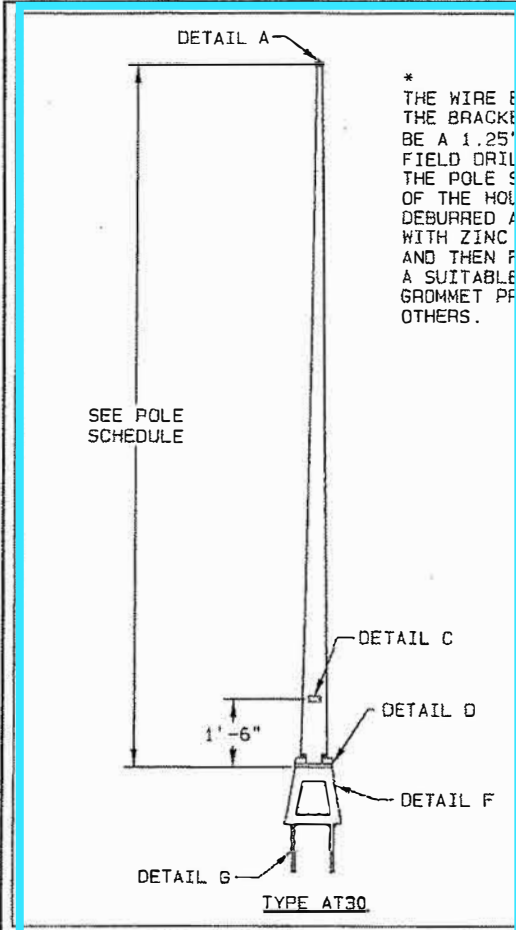
Project: Blackwell Blue Parkway

City/State: Lee's Summit, MO

Scope of Work: Street Lighting

Attachments:

- AT30 - 30' STREET LIGHT POLE
- 6' SINGLE MEMBER ARM
- SCREW-IN FOUNDATION – 8" X 60"
- MODOT LED A FIXTURE
- MODOT 4 CIRCUIT LIGHTING CONTROLLER
- MODOT TYPE 2 POWER SUPPLY
- CLASS 1 JUNCTION BOX - 17" X 30" X 24" – "STATE LIGHTING"
- FUSE KIT – HEB-JW-RYC
- UNFUSED KIT – HET-JW-RYC
- 5 AMP FUSE



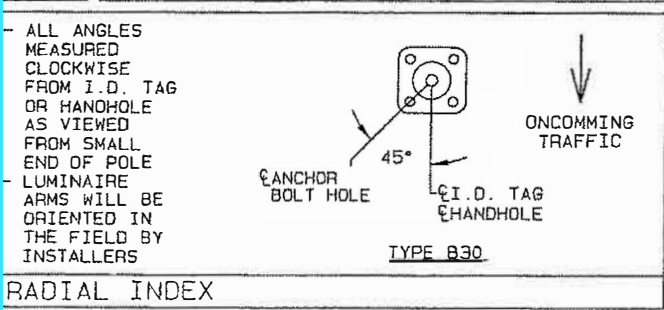
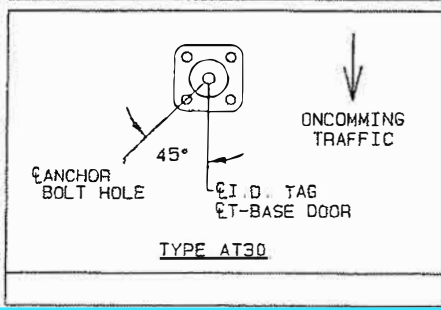
POLE SCHEDULE

QTY.	TENON TOP	MISSOURI TYPE	BASE DIA.	TOP DIA.	LENGTH	GA.
12		AT30	8.00"	4.08"	28.00'	11
		B30	8.00"	4.08"	28.00'	11

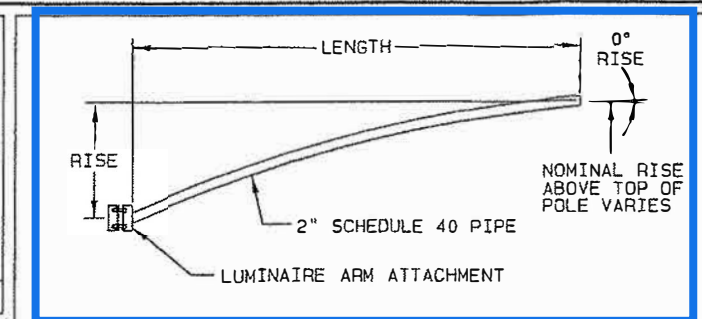
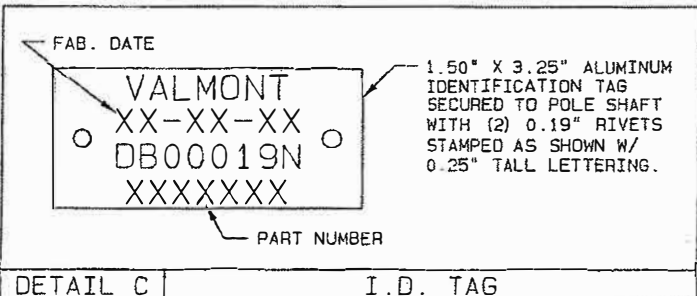
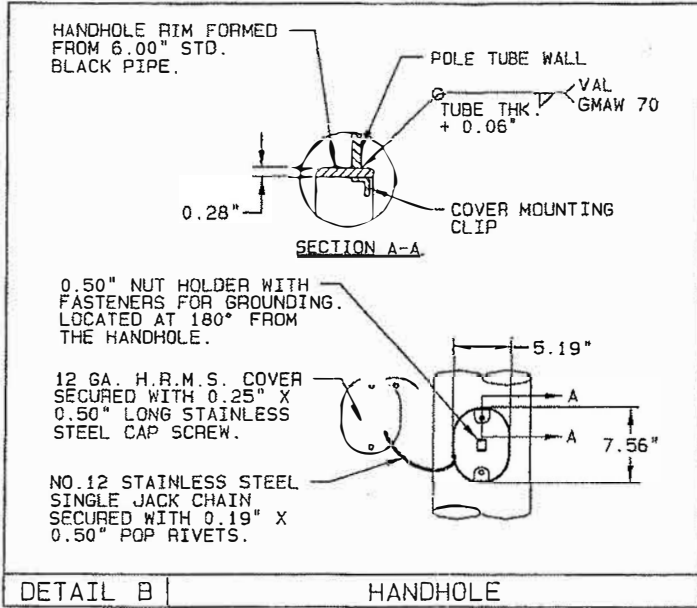
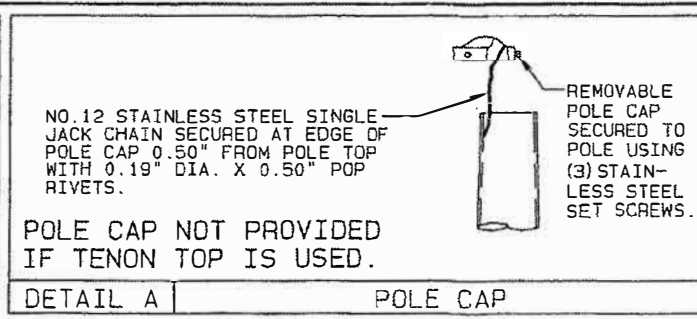
MATERIAL DATA

COMPONENT	ASTM DESIGNATION	MIN. YIELD (KSI)
POLE SHAFT*	A595 GR. A	55*
LUM. ARM	A501, A513, A518, A500 GR. B	36
ARM STRUTS	A36	36
BASE PLATE	A709 / A572	50
GALVANIZING	A123 & A153 CLASS C	
POLE CAP & NUT COVERS	B86 ALLOY AG40A	
ANCHOR BOLTS	A449	92

*AFTER MANUFACTURE

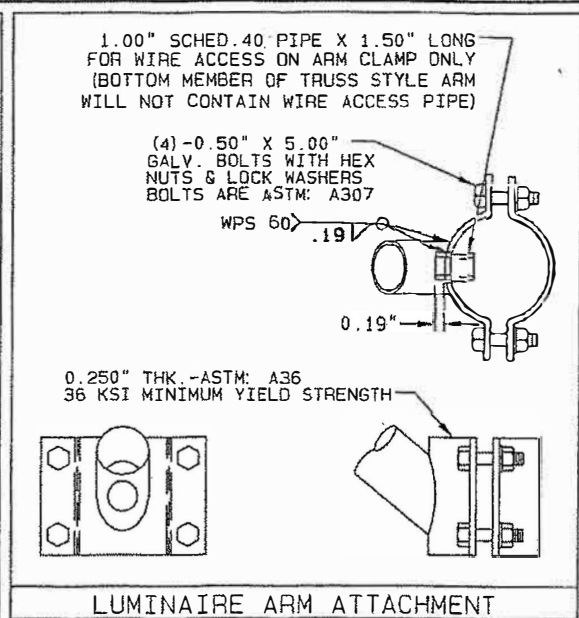


RADIAL INDEX



LUMINAIRE ARM

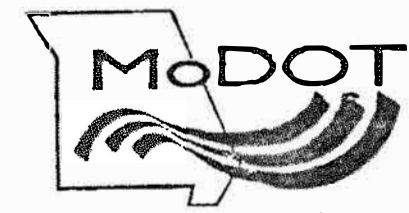
QTY.	MISSOURI TYPE	LENGTH	RISE	STYLE
4	AT30 OR B30	4.00'	1'-6"	SINGLE
4	AT30 OR B30	6.00'	1'-6"	SINGLE
8	AT30 ONLY	10.00'	1'-6"	TRUSS
	AT30 ONLY	12.00'	1'-6"	TRUSS
	AT30 ONLY	15.00'	1'-6"	TRUSS



DESIGN CRITERIA

- 2001 AASHTO (INCLUDING 2002 AND 2003 INTERIMS)
- 90 MPH WIND (W/1.14 GUST FACTOR)
- 50 YEAR DESIGN LIFE
- STRUCTURES ARE EXEMPT FROM THE MANDATORY FATIGUE REQUIREMENTS OF CHAPTER 11.

LSMO - JACO Blue Parkway
GSC PO 125766
Capital Electric Line Bldrs. - JOB 32033



Show Drawing Approved 8/10/06



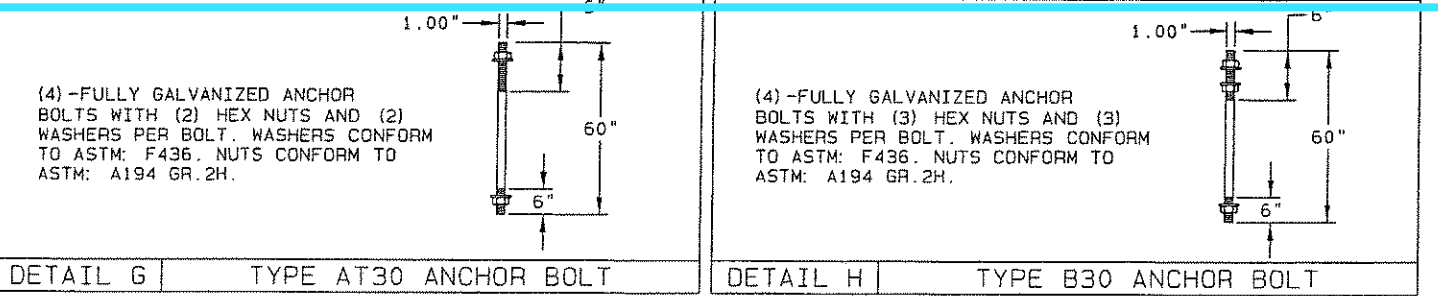
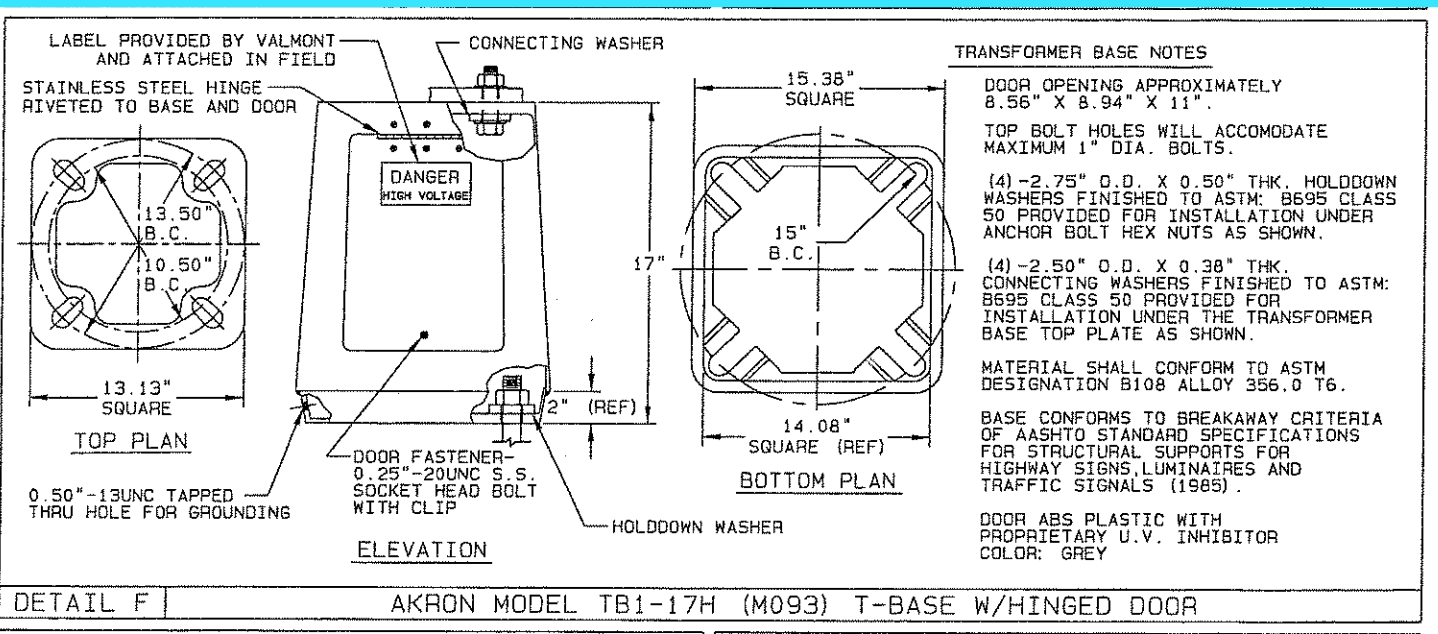
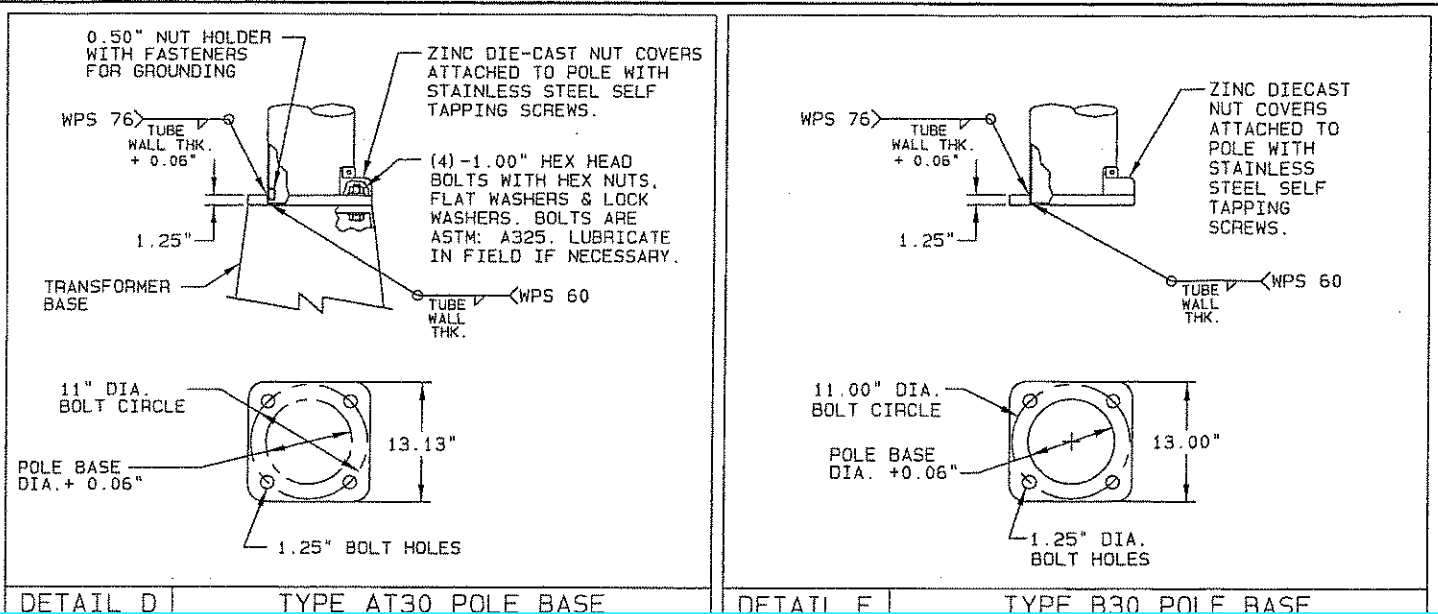
REV.	DATE	BY	DESCRIPTION
1	08/08/05	GGL	PER MODOT REJECT LETTER 05/31/05
2	01/30/06	GGL	PER MODOT REJECT LETTER 12/23/05
3	08/05/05	GGL	PER MODOT REJECT LETTER 7/14/05
4	05/01/01	GM	

TITLE
MISSOURI DOT
LIGHTING STRUCTURES
30'-0" MOUNTING HEIGHT

VALMONT INDUSTRIES, INC. RESERVES THE RIGHT TO INSTALL VARIOUS ENGINEER APPROVED MATERIAL HANGING ACCOMMODATIONS TO FACILITATE THE MANUFACTURING PROCESS.

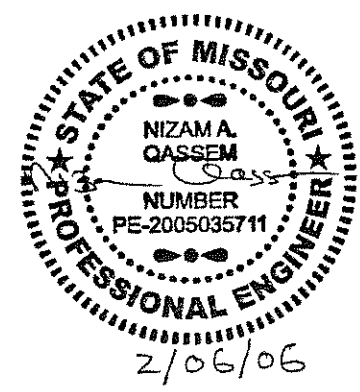
valmont
Valley, NE 68064
(402) 259-2201

PAGE NUMBER:	1	OF	2
DRAWING NUMBER	DB000019	REV	N



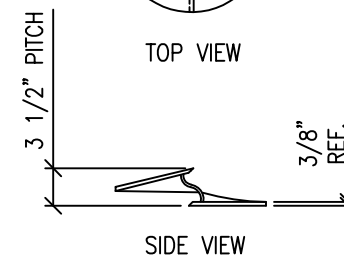
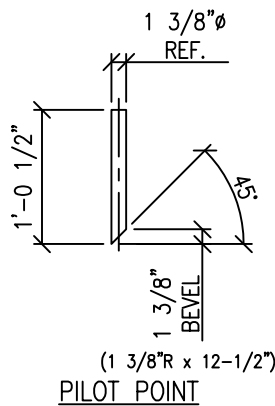
MoDOT

Show Drawing Approved 8/10/06



LSMO - JACO Blue Parkway
GSC PO 125767
CELB - JOB 32033

Qty - 12



GENERAL NOTES:

- (G) FOR ALL STEEL COMPONENTS TO BE HOT DIP GALV. PER ASTM A123 & AASHTO M111
(G) FOR ALL HARDWARE TO BE HOT DIP GALV. PER ASTM A153 & AASHTO M232

1 of 1

Project		Catalog #		Type	
Prepared by		Notes		Date	



Streetworks

Archeon Small

Roadway Luminaire

Product Features



Product Certifications



Interactive Menu

- Ordering Information page 2
- Product Specifications page 3
- Mounting Details page 3
- Energy and Performance Data page 3

Quick Facts

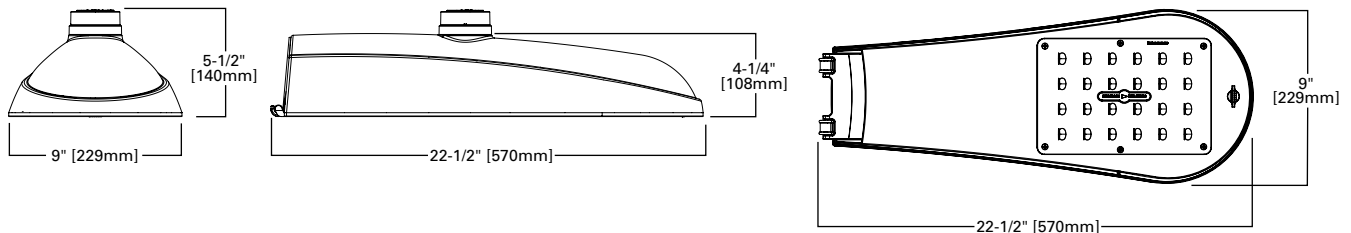
- Die-cast aluminum construction; Single latch tool-less entry
- Replaces up to 250W equivalent HID; -40°C to 40°C with optional 50°C operating range
- Pole-mounted; Optional arm and offset adjustable arm mounting
- 120-277V, 240-480V, 347V, and 480V, 50/60Hz operation

Connected Systems

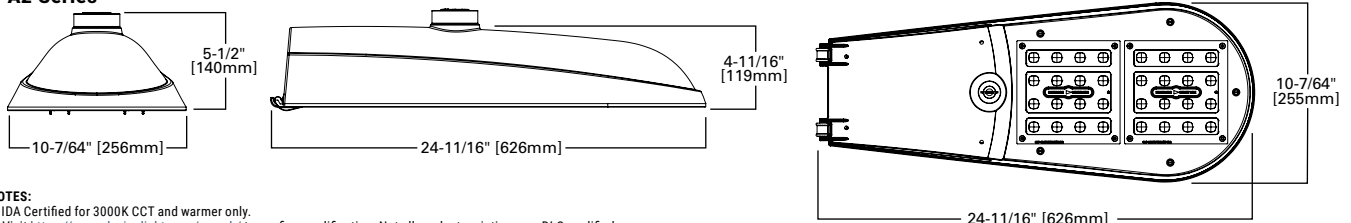
- WaveLinx
- Telensa

Dimensional Details

PA1 Series



PA2 Series



NOTES:

1. IDA Certified for 3000K CCT and warmer only.
2. Visit <https://www.designlights.org/search/> to confirm qualification. Not all product variations are DLC qualified.
3. IP66 Optic enclosure rated.

Ordering Information

SAMPLE ORDER NUMBER: ARCH-S-PA1-100-740-U-T2R-A15-AP-10K-PR

Product Family ³	Light Engine	Wattage Bucket	Color Temperature	Voltage	Distribution	Mounting	Finish
ARCH-S=Archeon Small BAA-ARCH-S= Archeon Small Buy American Act Compliant ^{1,5} TAA-ARCH-S= Archeon Small Trade Agreements Act Compliant ^{1,5}	PA1 (Only available up to 100W)	30 40 50 60 70 80 90 100	722=70CRI, 2200K 727=70CRI, 2700K 730=70CRI, 3000K 735=70CRI, 3500K 740=70CRI, 4000K 750=70CRI, 5000K 827=80CRI, 2700K ⁵ AMB=Amber 590nm ^{12,18}	U=Universal (120-277V) 1=120V ²² 2=208V ²² 3=240V ²² 4=277V ²² 8=480V ^{4,22} 9=347V ²² DV1=240V-480V ^{4,23}	T2R=Type II Roadway T2U=Type II Urban T3=Type III T4W=Type IV Wide 5WQ=Type V Square Wide	[Blank]=None A15=15" Straight Mast Arm ⁹ ASJS15= Adjustable Slipfitter (Factory set at 15° degrees) ASJS25= Adjustable Slipfitter (Factory set at 25° degrees) ASJS45= Adjustable Slipfitter (Factory set at 45° degrees)	AP=Grey BZ=Bronze BK=Black DP=Dark Platinum WH=White
	PA2	20 30 40 50 60 70 80 90 100 110 120 130					
Options (Add as Suffix)		Controls			Accessories (Order Separately) ²		
F= Single Pole Fusing, specify voltage (120V, 277V, 347V) FF= Double Pole Fusing, specify voltage (208V, 240V, 480V) 10MSP= Parallel 10kV MOV Surge Protection Device 10K=Series 10kV UL 1449 Surge Protection Device 20MSP= Parallel 20kV MOV Surge Protection Device 20K=Series 20kV UL 1449 Surge Protection Device 20KI=Series 20kV UL 1449 Surge Protection Device with light indicator L90=PA2 Optics Rotated 90° Left ²⁴ R90=PA2 Optics Rotated 90° Right ²⁴ HSS= Factory Installed House Side Shield ^{8,27} GRSBK=PA2 Glare Reducing Shield Black ²⁴ GRSWH=PA2 Glare Reducing Shield Black ²⁴ HA=50°C High Ambient Temperature ⁷ K=Level Indicator CC=Coastal Construction ²⁰ LCF=PA2 Trim Painted to Match Housing ²⁴ 10X-U131723=Additional 5yr Warranty		PSC=Photocontrol Shorting Cap NPC= NEMA Photocontrol - Multi-Tap LLPC= Longlife Photocontrol Included PR= NEMA 3-PIN Twistlock Photocontrol Receptacle ⁶ PR7= NEMA 7-PIN Twistlock Photocontrol Receptacle FADC= Field Adjustable Dimming Controller ¹⁹ SLTD= DALI SPB1= Dimming Occupancy Sensor with Bluetooth Interface ²¹ SPB2= Dimming Occupancy Sensor with Bluetooth Interface, 8'-20' Mounting ²¹ SPB4= Dimming Occupancy Sensor with Bluetooth Interface, 21'-40' Mounting ²¹ ZD= DALI-enabled 4-PIN Twistlock Receptacle ^{12,25,26} ZW= WaveLinx-enabled 4-PIN Twistlock Receptacle ^{11,12} SWPD4XX= WaveLinx Wireless Sensor, 7' - 15' Mounting Height ^{12,13,14,15,16} SWPD5XX= WaveLinx Wireless Sensor, 15' - 40' Mounting Height ^{12,13,14,15,16} WOBXX= WaveLinx Wireless Sensor with Bluetooth, 7-15ft ^{12,13,14,15} WOFXX= WaveLinx Wireless Sensor with Bluetooth, 15-40ft ^{12,13,14,15}			OA / RA1013= Photocontrol Shorting Cap OA1223= 10kV Surge Module Replacement OA/RA1014= NEMA Photocontrol - 120V OA/RA1016= NEMA Photocontrol - Multi-Tap OA/RA1027= NEMA Photocontrol - 480V OA/RA1201= NEMA Photocontrol - 347V A15-XX= Arm (15" Straight Arm) ^{9,10} ASJS15-XX= Adjustable slipfitter (Factory set at 15 degrees) ¹⁰ ASJS25-XX= Adjustable slipfitter (Factory set at 25 degrees) ¹⁰ ASJS45-XX= Adjustable slipfitter (Factory set at 45 degrees) ¹⁰ HS-ARCH-24= PA1 Field Installed ARCH House Side Shield ^{8,27} VGS-ARCH= PA1 Short Vertical Drop Shield ²⁸ VGL-ARCH= PA1 Long Vertical Drop Shield ²⁸ SWPD4-XX= WaveLinx Wireless Sensor, 7' - 15' Mounting Height ^{12,13,14,15,16} SWPD5-XX= WaveLinx Wireless Sensor, 15' - 40' Mounting Height ^{12,13,14,15,16} WOB-XX= Wavelinx Wireless Sensor with Blueetooth, 7'-15' Mounting Height ^{12,13,14,15} WOF-XX= Wavelinx Wireless Sensor with Bluetooth, 15'-40' Mounting Height ^{12,13,14,15}		
NOTES: 1. Only product configurations with these designated prefixes are built to be compliant with the Buy American Act of 1933 (BAA) or Trade Agreements Act of 1979 (TAA), respectively. Please refer to DOMESTIC PREFERENCES website for more information. Components shipped separately may be separately analyzed under domestic preference requirements. 2. Accessories sold separately will be separately analyzed under domestic preference requirements. Consult factory for further information. 3. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WPS13001EN for additional support information. 4. Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems). 5. Extended lead times may apply. 6. If "PR" selected, dimming functionality not available, dimming leads will be capped. 7. Option not available with PA1-90, PA1-100, PA2-100+. 8. HS-ARCH not available with 5WQ and T2U distribution. 9. Round pole adapter and mounting hardware included. "M" drill pattern. 10. Replace XX with color designation. 11. Only available with "U" universal voltage. Not available with PA2. 12. Controls system is not available with photocontrol receptacles (PR , PR7) or other controls systems (FADC, SPBx). 13. Requires 4-PIN twistlock receptacle (ZD or ZW) option. 14. Replace XX with sensor color (WH, BZ or BK). 15. Sensor passive infrared (PIR) may be overly sensitive with operating below -20°C (-4°F). 16. For this device to be field-configurable, requires WAC Gateway components WAC-PoE and WPOE-120 in appropriate quantities. Only compatible with WaveLinx system and software and requires system components to be installed for operation. See website for more WaveLinx application information. 17. Not available with HA option. 18. Amber 590nm +/-5nm for wildlife and observatory use. Supplied in PA1-30 and PA2-40 wattage bucket only. 19. Cannot be used with motion response control options. 20. Coastal construction finish salt spray tested to over 5,000-hours per ASTM B117, with a scribe rating of 9 per ASTM D1654. 21. Smart device with Sensor Configuration mobile application by Wattstopper required to change system defaults. 22. Required for voltage specific options 23. Only available for 80W through 130W. 24. PA2 Only. 25. Utilizes internal step-down transformer when 347V or 480V is selected. 26. Not available with PA1-30, PA1-90, and PA1-100. 27. Not available with PA2-110 through PA2-130. 28. Kit to install one side for one luminaire.							

Product Specifications

Construction

- Heavy-duty die-cast aluminum housing and door
- Tool-less entry, hinged removable door for easy maintenance
- 3G vibration rated

Optics

- Choice of four patented, high efficiency AccuLED Optics
- Available in Type IIR, IIU, III, IV wide and V square wide the optics are precisely designed to shape the distribution maximizing efficiency and application spacing
- Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 2200K, 2700K, 3000K, 3500K, and 5000K CCT
- For the ultimate level of spill light control, an optional house side shield accessory is available and can be field or factory installed
- Optics are IP66 enclosure rated
- IDA Certified for 3000K CCT and warmer only

Electrical

- 120-277V, 240-480V, 347V, and 480V; 50/60Hz operation

- Standard 0-10V dimming
- Optional 10kV and 20kV surge common- and differential-mode surge protection available
- Ambient operating temperature from -40°C to 40°C; 50°C HA, high ambient, capability available
- Standard with three position tunnel type compression terminal block
- Greater than 97% and 94% lumen maintenance expected at 50,000 and 100,000 hours respectively with calculated L70 greater than 150,000 hours
- Replaces 50W to 250W HID
- Luminaire available with the field adjustable dimming controller (FADC) to manually adjust wattage and reduce the total lumen output and light levels. Comes pre-set to the highest position at the lumen output selected

Mounting

- **PA1 Mounting:** Two-bolt/one-bracket slipfitter with cast-in pipe stop and 2.5° leveling steps
- **PA2 Mounting:** Four-bolt/two-bracket slipfitter with cast-in pipe stop and 2.5° leveling steps
- Fixed-in-place bird guard seals around 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) mounting arms

- Optional 15" pole mount arm available with round pole adapter and mounting hardware included

Finish

- Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear
- Consult your lighting representative at Cooper Lighting Solutions for a complete selection of standard colors

Shipping Data

PA1

- Approximate Net Weight: 12 lbs. (5.4 kgs.)
- Effective Projected Area: 0.5 (Sq. Ft.)

PA2

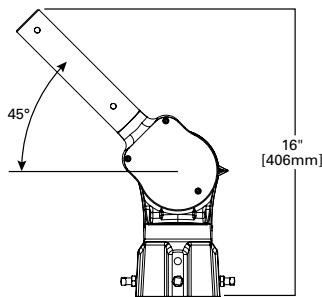
- Approximate Net Weight: 12.25 lbs. (5.6 kgs.)
- Effective Projected Area: 0.7 (Sq. Ft.)

Warranty

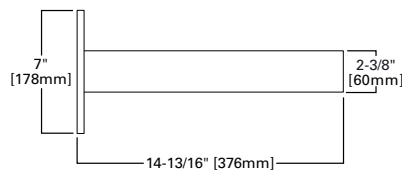
- Five year limited warranty, consult [website](#) for details

Mounting Details

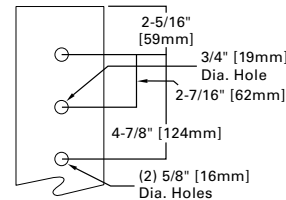
Adjustable Slipfitter Offset Arm



15" Straight Arm



Type "M" - Drilling Pattern



Energy and Performance Data

Lumen Maintenance

Light Engine	Ambient Temperature	25,000 hours*	50,000 hours*	60,000 hours*	100,000 hours*	L70*
PA1	25°C	99.7%	98.2%	97.6%	95.4%	>150,000
	40°C	98.7%	96.4%	95.5%	92.0%	>150,000
	50°C	99.2%	97.3%	96.5%	93.6%	>150,000
PA2	25°C	99.4%	97.8%	97.2%	94.7%	>150,000
	40°C	98.5%	96.0%	95.0%	91.2%	>150,000
	50°C	99.7%	98.5%	97.9%	95.9%	>150,000

Note: * Calculations provided in accordance with IES TM-21-11 using the configuration resulting in highest LED temperature. Previous versions of IES TM-21 where theoretical calculations were used are no longer recommended as a proxy of lumen depreciation.

LED Color Multipliers

CRI	CCT					
	2200	2700	3000	3500	4000	5000
Lumen Multiplier*						
70	0.74	0.84	0.91	0.93	1.00	1.00
80	--	0.75	--	--	--	--

Note: * Estimates, refer to IES files for accuracy.

Lumen Multiplier

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97



View Archeon Small IES files

FADC Settings

FADC Position	Percent of Typical Lumen Output
1	25%
2	46%
3	55%
4	62%
5	72%
6	77%
7	82%
8	85%
9	90%
10	100%

Energy and Performance Data

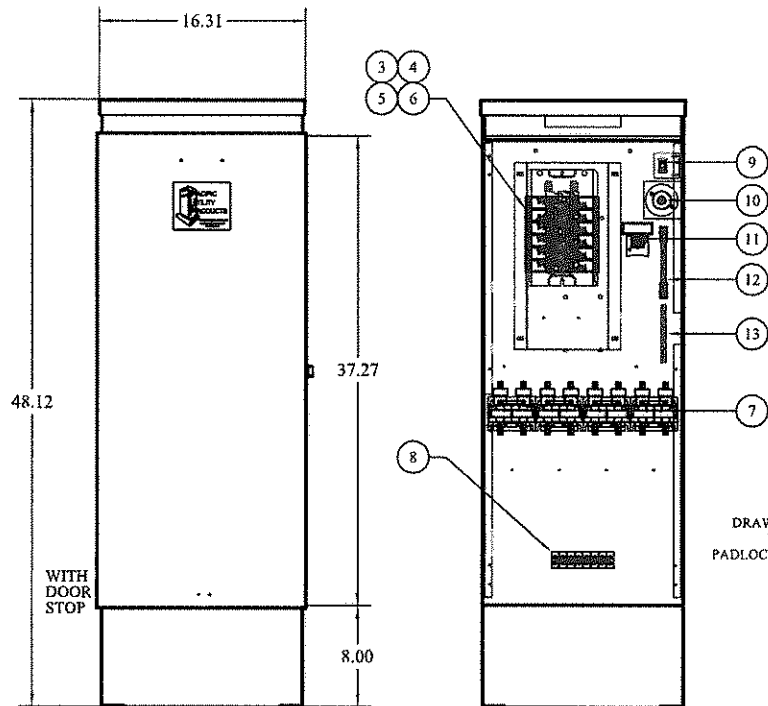
Power and Lumens (PA1 Light Engine) (70CRI - 4000K)

Light Engine - PA1		PA1-30	PA1-40	PA1-50	PA1-60	PA1-70	PA1-80	PA1-90	PA1-100
Power (Watts)		31	40	54	64	74	83	94	96
Wattage Label		30	40	50	60	70	80	90	100
Input Current @ 120V (A)		0.26	0.34	0.45	0.53	0.62	0.70	0.78	0.80
Input Current @ 277V (A)		0.12	0.16	0.21	0.24	0.28	0.31	0.35	0.35
Input Current @ 347V (A)		0.10	0.13	0.16	0.19	0.22	0.24	0.28	0.28
Input Current @ 480V (A)		0.07	0.09	0.13	0.15	0.17	0.18	0.21	0.21
Optics									
T2R	Lumens	4,756	6,137	7,912	9,083	10,127	10,942	11,729	11,850
	Lumens Per Watt	153	153	146	141	136	131	124	123
	Bug Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2
T2U	Lumens	4,739	6,114	7,884	9,052	10,091	10,905	11,688	11,809
	Lumens Per Watt	152	152	146	141	136	131	124	123
	Bug Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
T3	Lumens	4,729	6,102	7,868	9,033	10,071	10,882	11,664	11,785
	Lumens Per Watt	152	152	145	141	136	131	124	122
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T4W	Lumens	4,700	6,062	7,819	8,976	10,006	10,813	11,591	11,710
	Lumens Per Watt	151	151	144	140	135	130	123	121
	Bug Rating	B1-U0-G2	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B2-U0-G3
5WQ	Lumens	4,832	6,234	8,040	9,230	10,291	11,120	11,918	12,042
	Lumens Per Watt	155	155	148	144	139	133	126	125
	Bug Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2

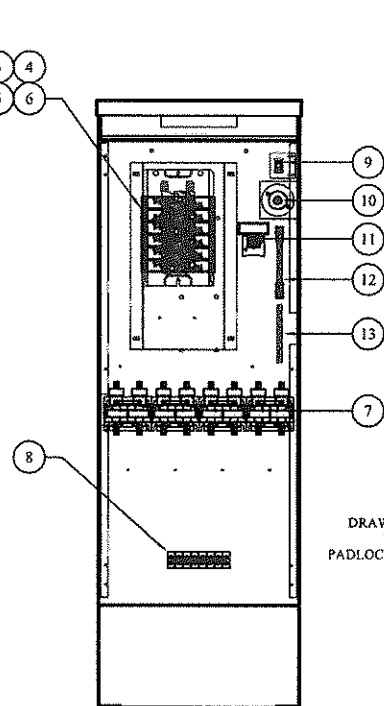
Power and Lumens (PA2 Light Engine) (70CRI - 4000K)

Light Engine - PA2		PA2-20	PA2-30	PA2-40	PA2-50	PA2-60	PA2-70	PA2-80	PA2-90	PA2-100	PA2-110	PA2-120	PA2-130
Power (Watts)		23	33	43	53	63	73	83	93	103	113	123	133
Wattage Label		20	30	40	50	60	70	80	90	100	110	120	130
Input Current @ 120V (A)		0.20	0.28	0.36	0.45	0.53	0.61	0.69	0.77	0.86	0.96	1.02	1.10
Input Current @ 277V (A)		0.09	0.13	0.16	0.20	0.24	0.27	0.31	0.34	0.38	0.42	0.46	0.49
Input Current @ 347V (A)		0.07	0.10	0.13	0.16	0.18	0.21	0.24	0.27	0.30	0.33	0.36	0.39
Input Current @ 480V (A)		0.06	0.08	0.09	0.11	0.13	0.16	0.17	0.19	0.22	0.24	0.26	0.28
Optics													
T2R	Lumens	3,706	5,265	6,723	8,043	9,495	10,744	11,875	12,883	13,956	15,091	15,688	16,268
	Lumens Per Watt	158	157	155	150	150	147	143	139	135	132	128	124
	Bug Rating	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2
T2U	Lumens	3,648	5,183	6,618	7,917	9,346	10,576	11,689	12,682	13,738	14,854	15,442	16,014
	Lumens Per Watt	155	155	152	148	148	144	141	137	133	130	126	122
	Bug Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3	B3-U0-G3
T3	Lumens	3,693	5,247	6,700	8,015	9,461	10,707	11,833	12,838	13,907	15,038	15,633	16,211
	Lumens Per Watt	157	157	154	150	150	146	143	139	135	132	128	123
	Bug Rating	B1-U0-G1	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3
T4W	Lumens	3,680	5,228	6,676	7,987	9,428	10,669	11,791	12,793	13,858	14,985	15,578	16,154
	Lumens Per Watt	157	156	153	149	149	146	142	138	134	131	127	123
	Bug Rating	B1-U0-G1	B1-U0-G2	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G3
5WQ	Lumens	3,810	5,413	6,912	8,269	9,761	11,046	12,208	13,245	14,348	15,514	16,128	16,725
	Lumens Per Watt	162	162	159	154	155	151	147	143	139	136	132	127
	Bug Rating	B3-U0-G1	B3-U0-G1	B3-U0-G2	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2

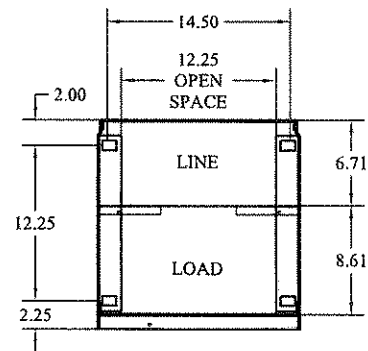
MODOT FOUR CIRCUIT LIGHTING CONTROLLER 120/240V W/PAD MOUNT BASE



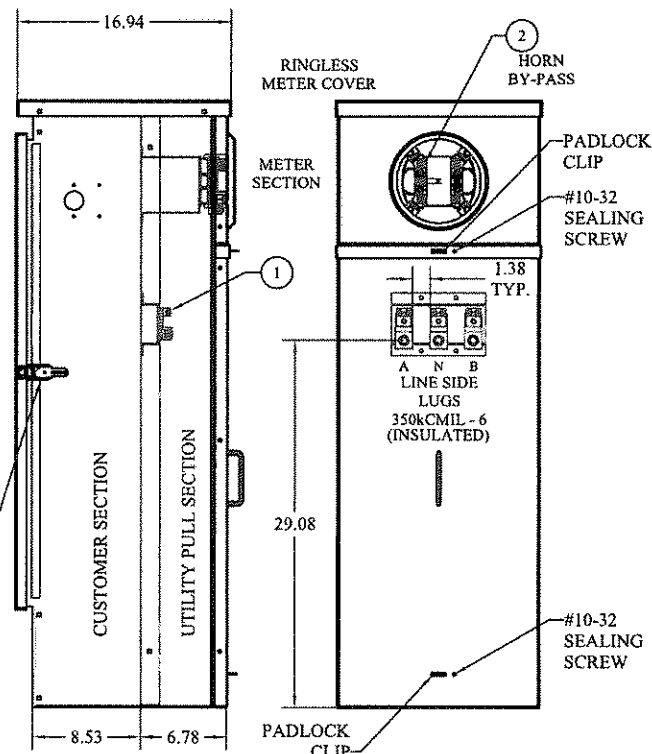
FRONT VIEW



FRONT VIEW
SHOWN LESS DOOR & COVERS



PLAN VIEW



SIDE VIEW

REAR VIEW

LSMO - JACO Blue Parkway
GSC PO 125768
CELB Job 32033

SPECIFICATIONS

- * NEMA 3R CONSTRUCTION
- * FABRICATED FROM .125 THK NATURAL ALUMINUM
- * FACTORY WIRING 600 VOLT RATED COPPER
- * ALL EXTERIOR HINGES CONTINUOUS PIANO TYPE
- * ALL COMPONENTS ARE U.L. LISTED.

PAGE 1 OF 2

THIS INFORMATION IS PROPRIETY TO PACIFIC UTILITY PRODUCTS, INC. AND IS NOT DISCLOSED OUTSIDE OF PACIFIC UTILITY PRODUCTS, INC. WITHOUT A CONFIDENTIALITY AGREEMENT.

COMPONENT DIRECTORY

CAT. NO. USP16R-M2100-112C-MoDOT1-AL	
No.	DESCRIPTION
1	120/240 VAC 1-PHASE 3-WIRE
2	LANDING LUGS 350kCMIL-6 PER PH
3	MTR SOCKET 200A 4J with 5th CLIP
4	MAIN CB 100A 2P 120/240VAC 10kAIC
5	LOAD CENTER 125A 12CKT 1-PHASE
6	(4) CB 30A 2P 120/240VAC 10kAIC
7	(1) CB 15A 1P 120/240VAC 10kAIC
8	(4) MRRC RELAY 30A 2P #WM35AA-120A
9	(1) TERM BLK 8P 85A MARATHON
10	SWITCH TOGGLE SPST 20A
11	PE RECEPTACLE COOPER MAGNUM
12	(1) SURGE ARRESTER 650VAC #PSC270410
13	INSULATED NEUTRAL BUS
	GROUND BUS

SERVICE PEDESTAL

S.O. No.	QTY.
DATE	30 AUGUST, 2011
JOB NAME	-
DISTRIBUTOR	POWER EQUIPMENT SALES

USP NON-RESIDENTIAL
SERVICE PEDESTAL
0 - 200 AMPERES
0 - 600 VOLTS

PACIFIC
UTILITY
PRODUCTS
2430 RAILROAD ST.
CORONA CALIFORNIA 92880

PACIFIC UTILITY PRODUCTS
2430 RAILROAD ST. CORONA, CA. 92880

FAL147031
S.O.

INDUSTRIAL CONTROL-
SUITABLE FOR USE AS SERVICE EQUIPMENT

QTY. =

BONDED NEUTRAL REMOVE BONDING MEANS FOR TEST PURPOSES ONLY

CAT.NO. USP16R-M2100-112C-MODOT1 120/240VAC 1PH 60HZ 3 WIRE 100 AMPS

SHORT CIRCUIT RATING: 5,000 RMS SYMMETRICAL AMPS @ 240 VAC MAX.
HOWEVER, THIS SHORT CIRCUIT RATING IS LIMITED TO THE LOWEST INTERRUPTING
CAPACITY ON ANY DEVICE INSTALLED.

*MAIN SERVICE DISCONNECT: 100 AMPS CUTLER-HAMMER TYPE BR

*CIRCUIT BREAKERS 90 AMPS OR LESS: CUTLER-HAMMER TYPE BR, BD, BQ, GFCB.
REPLACEMENT BREAKER(S) MUST BE SAME TYPE AND RATING.

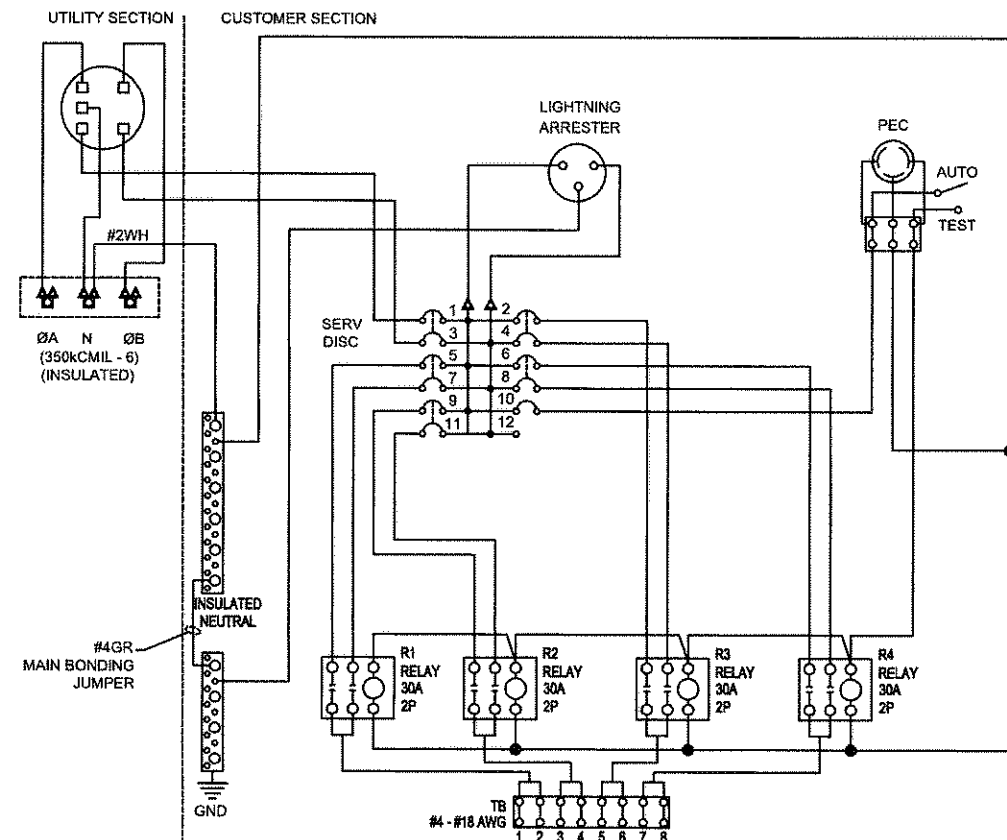
*AUTOMATIC TRIP IS INDICATED BY HANDLE POSITION MIDWAY BETWEEN
(ON) AND (OFF). TO RESTORE POWER MOVE HANDLE TO (OFF), THEN (ON).

*METER SOCKET: DURHAM, 200 AMPS CONTINUOUS.

*LOAD CENTER IS SUITABLE FOR USE WITH 60/75 DEGREE C COPPER OR
ALUMINUM WIRE.

*LOAD CENTER IS LIMITED TO A MAXIMUM OF 12 INSTALLED CIRCUITS THAT
UTILIZE A NEUTRAL CONNECTION, EITHER SINGLE POLE, MULTI-POLE, OR
A COMBINATION OF EACH.

*SHIPPING TENDS TO LOOSEN ELECTRICAL CONNECTIONS - TIGHTEN ALL
CONNECTIONS BEFORE ENERGIZING UNIT.



PAGE 2 OF 2
WIRING DIAGRAM

NO.	AMP.	POLE	DESCRIPTION
1-3	100	2	SERVICE DISCONNECT
5-7	30	2	LIGHTING 1
9-11	30	2	LIGHTING 2
2-4	30	2	LIGHTING 3
6-8	30	2	LIGHTING 4
10	15	1	PEC

*** TORQUE INFORMATION

□ 250MCM - 6 CU/AL 275 IN.LB.
▲ #14-1/0 CU/AL 50 IN.LB.

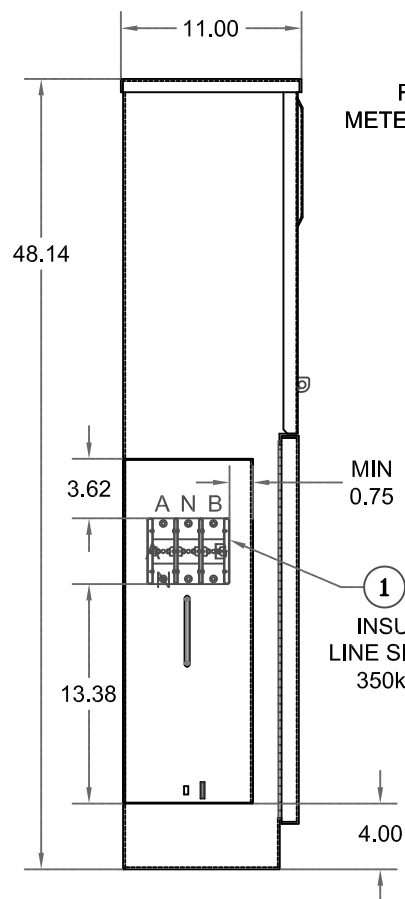
*** NEUTRAL & EQUIPMENT GROUND-SINGLE CONDUCTOR

○ #14-1/0 CU/AL #3-1/0 50 IN.LB.
#6-4 45 IN.LB.
#8 40 IN.LB.
#14-10 25 IN.LB.
#14-6 CU/AL #6 35 IN.LB.
#8 25 IN.LB.
#14-10 20 IN.LB.

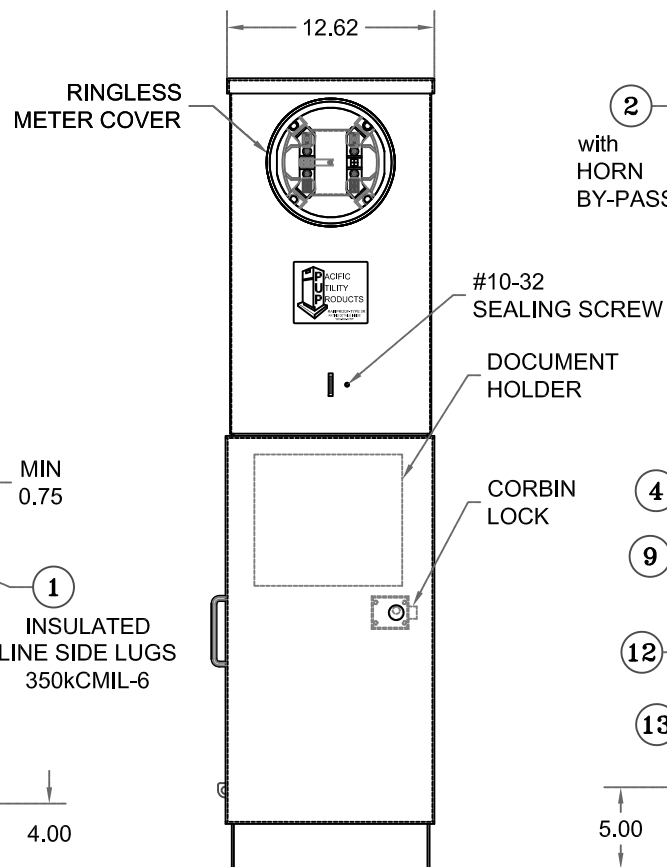
*** EQUIPMENT GROUND-MULTIPLE CONDUCTOR

○ (2 OR 3) #10,12,14 CU/AL 45 IN.LB.
• (2) #12,14 CU/AL 20 IN.LB.

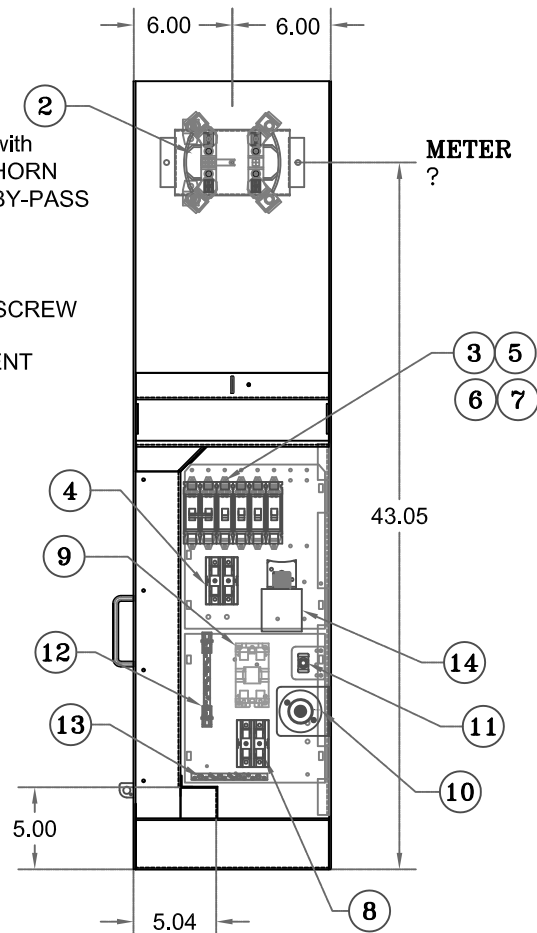
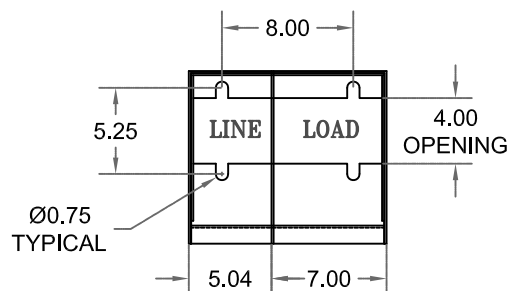
*** FIELD INSTALLED DEVICES-TORQUE TO VALUES
INDICATED ON OR WITH DEVICE



SIDE VIEW



FRONT VIEW



FRONT VIEW

SHOWN LESS COVERS

LSMO-JACO Blue Parkway
GSC PO 125768
CELB Job 32033

FAL127401A

SPECIFICATIONS

- * NEMA 3R CONSTRUCTION
- * FABRICATED FROM CORROSION-RESISTANT 0.125THK ALUMINUM
- * FACTORY WIRING 600 VOLT RATED COPPER
- * NATURAL ALUMINUM FINISH UNLESS OTHERWISE SPECIFIED
- * POLYESTER POWDER-COATED FINISH EXCEEDS ASTM B-117 SPECIFICATIONS
- * ALL EXTERIOR HINGES CONTINUOUS PIANO TYPE STAINLESS STEEL
- * ALL COMPONENTS ARE U.L. LISTED.

PAGE 1 OF 2

THIS INFORMATION IS PROPRIETY TO PACIFIC UTILITY PRODUCTS, INC. AND IS NOT DISCLOSED OUTSIDE OF PACIFIC UTILITY PRODUCTS, INC. WITHOUT A CONFIDENTIALITY AGREEMENT.

COMPONENT DIRECTORY

CAT. NO.	USPAR-M2100-100-MODOT1
No.	120/240 VAC 1-PHASE 60Hz 3-WIRE
1	LANDING LUGS 350kCMIL - #6 AWG /PH
2	MTR SKT 200A 5J W/ HORN BY-PASS
3	MAIN CB 100A 2P 120/240VAC 10kAIC QC
4	(1) PDB 175A 2P MARATHON #1422570
5	(1) CB 15A 1P 120/240VAC 10k QC1015
6	(1) CB 30A 1P 120/240VAC 10k QC1030
7	(2) CB 40A 1P 120/240VAC 10k QC1040
8	(1) PDB 115A 2P MARATHON #142252
9	(1) CONTACTOR DP 60A 2P 120VAC COIL
10	(1) PE RECEPT TWIST-LK COOPER
11	(1) SWITCH TOGGLE SPST 15A 120VAC
12	INSULATED NEUTRAL
13	GROUND
14	SURGE ARRESTER 600V DELTA LA602

SERVICE PEDESTAL

S.O.#	QTY. = 1
DATE	-
JOB NAME	-
DISTRIBUTOR	POWER EQUIPMENT SALES

USP NON-RESIDENTIAL
SERVICE PEDESTAL
0 - 200 AMPERES
0 - 600 VOLTS

**PACIFIC
UTILITY
PRODUCTS**

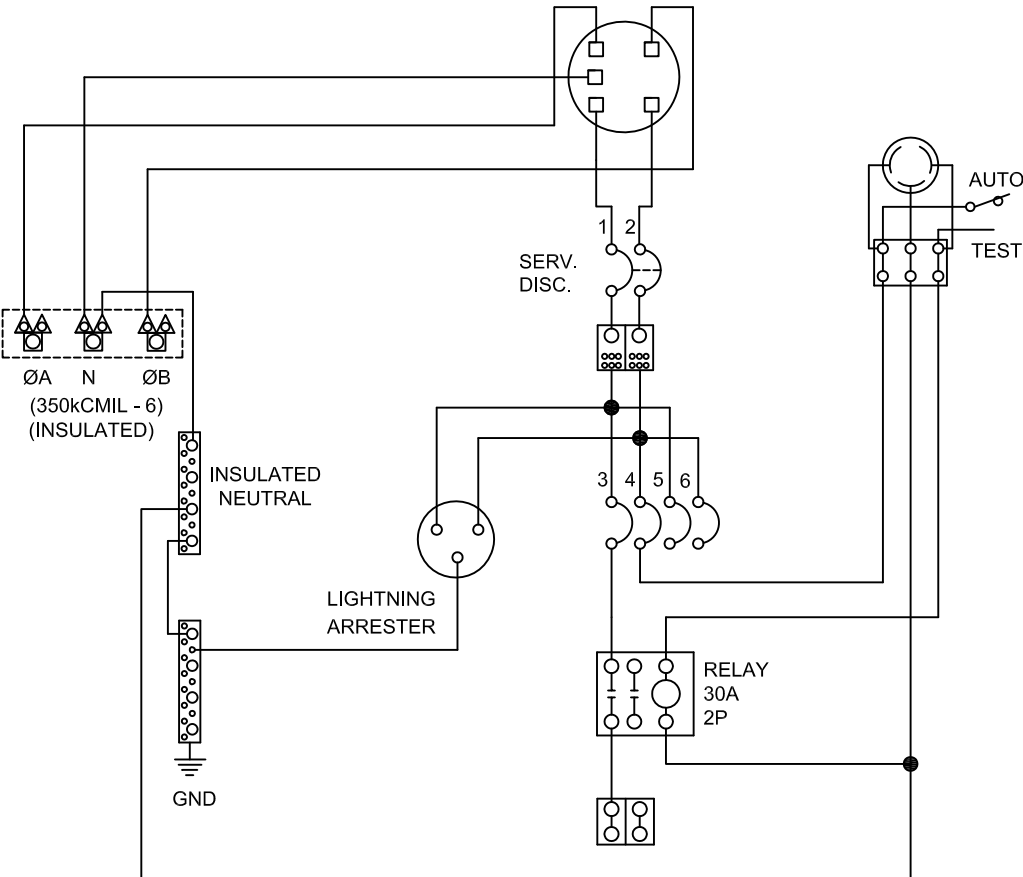
2950 E. PHILADELPHIA ST.
ONTARIO CALIFORNIA 91761

INDUSTRIAL CONTROL - RAINPROOF / OUTDOOR TYPE 2R
SUITABLE FOR USE AS SERVICE EQUIPMENT

BONDED NEUTRAL REMOVE BONDING MEANS FOR TEST PURPOSES ONLY

CAT.NO. USPAR-M2100-100-MoDOT 120/240VAC 1-PHASE 60 Hz 3 WIRE 100 AMPS
SHORT CIRCUIT RATING: 10,000 RMS SYMMETRICAL AMPS @ 480 VAC MAX.

- *MAIN SERVICE DISCONNECT:100 AMPS CUTLER-HAMMER TYPE QC.
- *CIRCUIT BREAKERS 90 AMPS OR LESS: CUTLER-HAMMER TYPE QC.
- *REPLACEMENT BREAKER(S) MUST BE SAME TYPE AND RATING.
- *AUTOMATIC TRIP IS INDICATED BY HANDLE POSITION MIDWAY BETWEEN (ON) AND (OFF). TO RESTORE POWER MOVE HANDLE TO (OFF), THEN (ON).
- METER SOCKET: DURHAM 200 AMPS CONTINUOUS.
- CAUTION: WATT-HOUR METER NOT INCLUDED IN SHORT CIRCUIT RATING.
- *SHIPPING TENDS TO LOOSEN ELECTRICAL CONNECTIONS - TIGHTEN ALL CONNECTIONS BEFORE ENERGIZING UNIT.



NO.	AMP.	POLE	DESCRIPTION
1-2	100	2	SERVICE DISCONNECT
3	30	1	LIGHTING
4	15	1	PEC
5	40	1	SPARE
6	40	1	SPARE

- *** TORQUE INFORMATION
- 350MCM - 6 CU/AL 275 IN.LB.
 - ▲ #14-1/0 CU/AL 50 IN.LB.
- *** NEUTRAL & EQUIPMENT GROUND-SINGLE CONDUCTOR
- #14-1/0 CU/AL #3-1/0 50 IN.LB.
 - #6-4 45 IN.LB.
 - #8 40 IN.LB.
 - #14-10 25 IN.LB.
 - #14-6 CU/AL #6 35 IN.LB.
 - #8 25 IN.LB.
 - #14-10 20 IN.LB.
- *** EQUIPMENT GROUND-MULTIPLE CONDUCTOR
- (2 OR 3) #10,12,14 CU/AL 45 IN.LB.
 - (2) #12,14 CU/AL 20 IN.LB.
- *** FIELD INSTALLED DEVICES-TORQUE TO VALUES INDICATED ON OR WITH DEVICE



17" x 30" BOX ASSEMBLY

12" to 30" DEPTHS

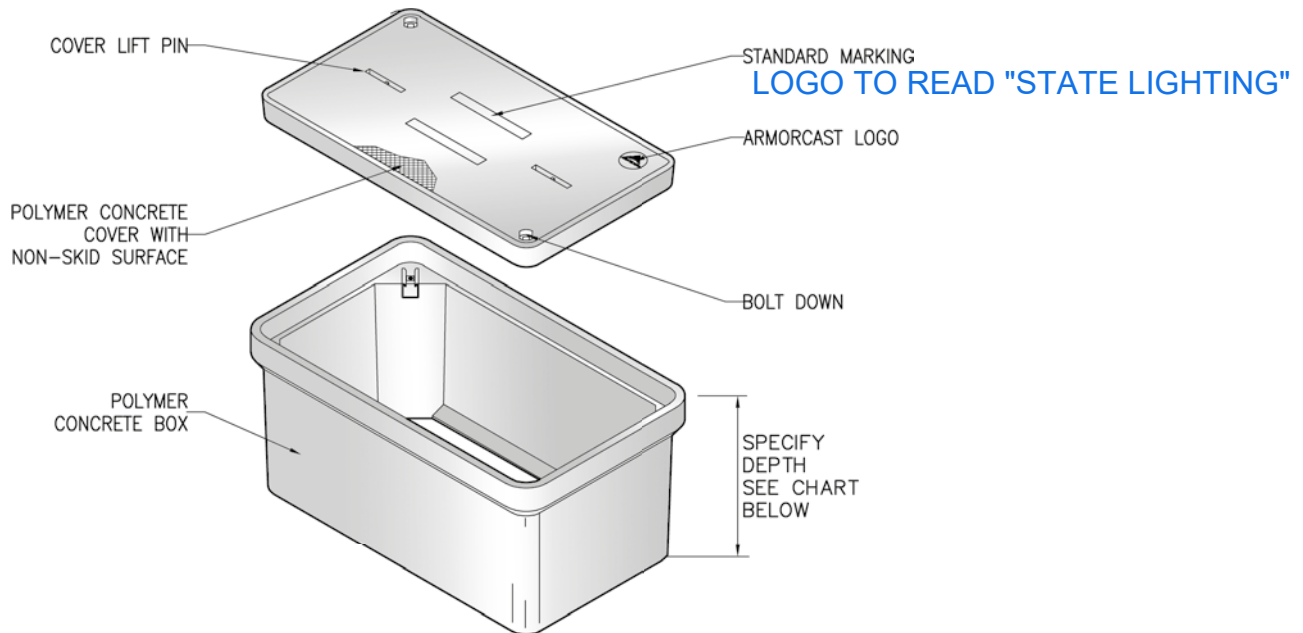
POLYMER CONCRETE

ARMORCAST PRODUCTS COMPANY

A6001640



FILE #E364252



17"W x 30"L BOX ASSEMBLIES Specify Depth Below

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY.
Box & Cover Assembly	17" x 30" x 12"	10K	8	A6001640APCX12	114 lbs.	12
	17" x 30" x 12"	20K	15 / 22	A6001640TAPCX12 / A6001640HDAPCX12	140 lbs.	12
Box & Cover Assembly	17" x 30" x 18"	10K	8	A6001640APCX18	140 lbs.	6
	17" x 30" x 18"	20K	15 / 22	A6001640TAPCX18 / A6001640HDAPCX18	166 lbs.	6
Box & Cover Assembly	17" x 30" x 22"	10K	8	A6001640APCX22	154 lbs.	6
	17" x 30" x 22"	20K	15 / 22	A6001640TAPCX22 / A6001640HDAPCX22	180 lbs.	6
Box & Cover Assembly	17" x 30" x 24"	10K	8	A6001640APCX24	165 lbs.	6
	17" x 30" x 24"	20K	15 / 22	A6001640TAPCX24 / A6001640HDAPCX24	190 lbs.	6
Box & Cover Assembly	17" x 30" x 28"	10K	8	A6001640APCX28	184 lbs.	3
	17" x 30" x 28"	20K	15 / 22	A6001640TAPCX28 / A6001640HDAPCX28	210 lbs.	3
Box & Cover Assembly	17" x 30" x 30"	10K	8	A6001640APCX30	191 lbs.	3
	17" x 30" x 30"	20K	15 / 22	A6001640TAPCX30 / A6001640HDAPCX30	221 lbs.	3

COMPONENTS

MORE COVER VARIATIONS ARE AVAILABLE IN OUR "COVER SECTION"

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY.
Replacement Covers	17" x 30"	10K	8	A6001643	44 lbs.	30
	17" x 30"	20K	15 / 22	A6001947T / A6001947HD	70 lbs.	30
Replacement Boxes	17" x 30" x 12"	10K / 20K	22	A6001640PCX12	70 lbs.	12
	17" x 30" x 18"	10K / 20K	22	A6001640PCX18	96 lbs.	6
	17" x 30" x 22"	10K / 20K	22	A6001640PCX22	110 lbs.	6
	17" x 30" x 24"	10K / 20K	22	A6001640PCX24	121 lbs.	6
	17" x 30" x 28"	10K / 20K	22	A6001640PCX28	140 lbs.	3
	17" x 30" x 30"	10K / 20K	22	A6001640PCX30	151 lbs.	3

- Boxes are Open Bottom and Stackable, also available with Solid Bottoms.
- For sizes not shown please contact Armorcast Products for more information.

THIS PRODUCT IS LISTED TO APPLICABLE UL
STANDARDS AND REQUIREMENTS BY UL.

www.armorcastprod.com

Tel: (818) 982-3600 Fax: (818) 982-7742



ARMORCAST PRODUCTS COMPANY

17" x 30" BOX ASSEMBLY

STANDARD DIMENSIONS

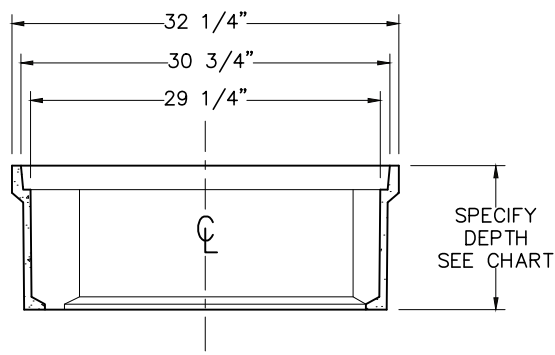
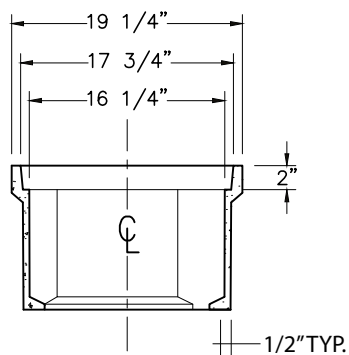
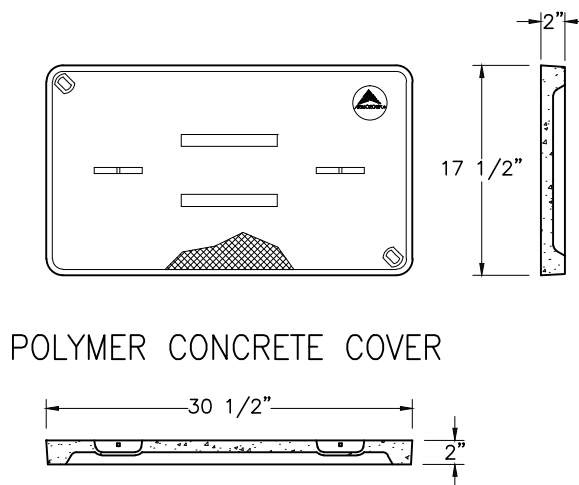
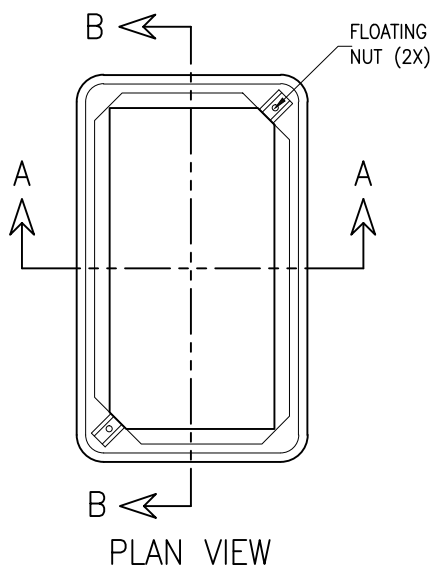
POLYMER CONCRETE

A6001640



LISTED

FILE #E364252



Armorcast Products Company reserves the right to update or discontinue product information at any time without notice.

www.armorcastprod.com

THIS PRODUCT IS LISTED TO APPLICABLE UL STANDARDS AND REQUIREMENTS BY UL.

Tel: (818) 982-3600 Fax: (818) 982-7742

POLYMER CONCRETE
BOXES

Single-Pole

$\frac{13}{32}$ " x 1 $\frac{1}{2}$ " Fuses



HEB-

For any $\frac{13}{32}$ " x 1 $\frac{1}{2}$ " fuse. Fuse holder rated 30A, 600V (CSA Listed 15A max.). Typical fuse types: Edison MOL MEN, MEQ and MCL. ($\frac{1}{10}$ -30A)



HET-

A HEB- fuse holder with a permanently installed solid neutral. Easily identified by white plastic coupling nut.

Double-Pole

Class CC

$\frac{13}{32}$ " x 1 $\frac{1}{2}$ " Midget Fuses



HEY-

Double-pole fuse holder has water-resistant, polarized design, and accepts Class CC branch circuit fuses (Edison fuse types EDCC, HCTR or HCLR, 600V or less) Particularly applicable in street lighting circuits with optional breakaway receptacle.



HEX-

For any $\frac{13}{32}$ " x 1 $\frac{1}{2}$ " fuse. Fuse holder rated 30A, 600V (CSA Listed 15A max.). Typical fuse types: Edison MOL MEN, MEQ and MCL. ($\frac{1}{10}$ -30A)

HEB-JW-RYC - supply with specified fuse

HET-JW-RYC - w/permanently installed neutral

Single- and Double-Pole without Breakaway Option

Packaging & Ordering Information:

XXX	—		
HEB HET HEY HEX		Load Side Terminal A thru W	Line Terminal A thru W

Single-Pole with Breakaway Option

Packaging & Ordering Information:

XXX	—		W	—	
HEB or HET		Load Terminal A thru K	Line Terminal		Break-W-Way Terminal RLC - A thru J or RYC

Double-Pole with Breakaway Option

Packaging & Ordering Information:

XXX	—		W	—	
HEX or HEY		Load Terminal A thru K	Line Terminal		Break-W-Way Terminal DRLC - A thru J or DRYC

Available Part Numbers

Non-Breakaway Units:

HEB-AA⁽¹⁾ (2) (3), HEB-AB⁽²⁾, HEB-AC⁽²⁾,
 HEB-AD⁽²⁾, HEB-AE⁽²⁾, HEB-AJ, HEB-AK, HEB-AL, HEB-AR,
 HEB-AY, HEB-BA⁽²⁾, HEB-BB⁽²⁾, HEB-BC⁽²⁾, HEB-BD⁽²⁾,
 HEB-CC⁽²⁾, HEB-DD⁽²⁾, HEB-JJ, HEB-JK, HEB-JL, HEB-JY,
 HEB-LL, HEB-NN, HEB-PP⁽²⁾, HEB-QQ⁽²⁾, HEB-RR⁽²⁾,
 HEB-SS, HEB-TT⁽²⁾, HEB-ZA.

Agency Information:

⁽¹⁾UL Recognized, Guide IZLT2, File E14853

⁽²⁾CSA Certified, Class 6225-01, File 47235

⁽³⁾CE

Breakaway Units:

(Includes fuse holder, breakaway part and insulating boots):

HEB-AW-RLA, HEB-AW-RLC-A⁽¹⁾ (2) (3), HEB-AW-RLC-B,
 HEB-AW-RLC-C, HEB-AW-RLC-J, HEB-AW-RYA,
 HEB-AW-RYC, HEB-BW-RLC-A, HEB-BW-RLC-B,
 HEB-BW-RYC, HEB-JW-RLC-J, **HEB-JW-RYC**,
 HEB-KW-RLC-J, HEB-KW-RYC, HEB-LW-RLA,
 HEB-LW-RLC-J, HEB-LW-RYA

Agency Information:

⁽¹⁾UL Recognized, Guide IZLT2, File E14853

⁽²⁾CSA Certified, Class 6225-01, File 47235

⁽³⁾CE

Catalog and Specification Data

Note: The construction elements listed below illustrate the full construction of the available part numbers. NOT all construction elements are available in all combinations.

Conductor Terminals

Type Terminal	Conductor Data				Terminal Symbols	
	Size	No. Per Terminal	Solid	Stranded	Load Side	Line Side
 	Copper Crimp					
	#12 to #8	1	•	•	A	A
	#12	2	•	•		
	#10	2	•	•		
	#6	1	•	•	B	B
	#4	1	•	•		
	#8	2	•	•		
	#4	1	—	•	C	C
	#6	2	•	•		
	#2	1	—	•	D	D
 	Copper Set-Screw					
	#12 to #2	1	•	•	J	J
	#12 to #2	2	•	•	K	K
 	Solid Breakaway					
	(Required with Breakaway Receptacle)				W	W

Available Part Numbers

HEX Series:

HEX-AA⁽¹⁾ (2), HEX-AB, HEX-AC, HEX-AD, HEX-AE, HEX-AY, HEX-BB, HEX-CC, HEX-JJ, HEX-JK, and HEX-KK.

Agency Information:

⁽¹⁾UL Recognized, Guide IZLT2, File E14853

⁽²⁾CSA Certified, Class 6225-01, File 47235

HEY Series:

HEY-AA, HEY-AB, HEY-AC, HEY-AD, HEY-AE, HEY-AL, HEY-BB, and HEY-JJ.

HET Series:

HET-AA, HET-AB, HET-BB, HET-JJ, and HET-JK

Optional

Type Terminal	Size	Conductor Data				Breakaway Terminal	
		No. Per Terminal	Solid	Stranded		Single-Pole	*Double-Pole
 	Copper Crimp						
	#12 to #8	1	•	•		-RLC-A	-DRLC-A
	#6	1	•	•		-RLC-B	-DRLC-B
 	Copper Set-Screw						
	#4	1	•	•		-RLC-C	-DRLC-C

Copper Set-Screw

 	Copper Set-Screw						
	#12 to #2	1	•	•		-RLC-J	-DRLC-J

 	Copper Set-Screw						
	#12 to #2	2	•	•		-RYC	-DRYC

* Terminal illustrations show the end view of single-pole receptacles and one-pole only of the double-pole receptacles. Thus, for example, in the case of a double-pole, set-screw type receptacle with terminals that accept two conductors, a total of four conductors could be connected to the receptacle per the following drawing.



Catalog Data — Insulating Boots

 	Catalog Numbers	Type
	2A0660	Single Conductor
	2A0661	Two Conductor

Insulating boots are optional and not included with non-Breakaway holders and must be ordered separately. They are included as a standard item with the breakaway series.

When boots are utilized, extra heat retention requires that fuses are sized at a minimum of 200% of the RMS load current.

Watertight Fuse Protection



HEB in-line fuse holders are water resistant and easy to install. Protect fuses in locations exposed to water, weather, corrosive fumes, salt-spray, etc. Holders are two-sectioned, molded plastic. The captive nut couples the loadside section to the lineside section; compression of the o-ring when the nut is tightened forms a vapor and water resistant unit.

Double-Pole Fuse Holders For Simultaneous Non- Load-Break Disconnect of Two Conductors



HEX and HEY units permit the fusing of two conductors. Loadside conductors can be disconnected from the lineside conductors by disengaging a captive stainless steel screw. Positive non-load-break disconnect (for non-energized circuits) provides maintenance safety. Helps prevent shock. Makes loads electrically dead.

Fuse holders are polarized. They can be used for line-to-line or line-to-neutral loads. Polarization prevents inadvertent reversal of loadside conductors (provides compliance with NEC® Section 240-22).

Both loadside terminals are always identical; both lineside terminals are always identical.

Serve As A Non-Load-Break Disconnect



The body of the fuse recesses within the loadside section so that it does not make electrical contact with the lineside section until the coupling nut engages the threads on the lineside section. The holder section thus provides a positive means of breaking or opening a non-energized electrical circuit for maintenance and repair.

Breakaway Receptacles For Impact Separation



Are available as an option with fuse holders. Ideally suited for breakaway lighting standards as required by state and federal highway commissions). Receptacle consists of a female terminal jacketed in an integral rubber insulating sleeve, and an external wire/cable terminal. The female terminal tightly mates with a lineside, solid, copper rod terminal (symbol "W") of the fuse holder. The insulating

sleeve also insulates the body of the lineside section of the fuse holder. Should the holder be subjected to an undue pull, it will separate from the lineside, Breakaway receptacle and become electrically dead. Separating the holder and receptacle on a non-energized circuit facilitates repair/maintenance.

Solid "W" Terminals Mate With Breakaway



Receptacles

A solid copper "rod" terminal must be used on the line-side of a fuse holder when holder is equipped with a breakaway receptacle. This solid rod terminal mates with the internal female terminal(s) of the breakaway receptacle. The letter "W" in the catalog number of the fuse holder designates this type terminal.



Crimp And Set-Screw Terminals

Crimp and setscrew type terminals are available for copper conductors.



2A0661



2A0660

Insulating Boots Save Installation Time

Boots come in two configurations - for single conductor and the "Y" type for two conductors. Fit all Edison in-line fuse holders. Designed to snugly fit over conductor insulation. Fits to wire by cutting off tapered tip. Diameter of conductor insulation cannot exceed 0.450". Inside of boots are treated with silicone to facilitate drawing of wire.

Boots come as a standard item with breakaway receptacles. They are optional and must be ordered separately for fuse holders without breakaway receptacles. **When boots are utilized, extra heat retention requires that fuses are sized at a minimum of 200% of the RMS load current.**

"Tap-Off" Connections

Fuse holders with terminal accepting two conductors can be used as a tap-off connector. Saves cost and manhours.

Midget 10x38mm Fuses

KLK Series

600 V ac/500 V dc • $\frac{1}{10}$ –30 A • Fast Acting
KLK 008



Description

The KLK series fast-acting fuses are designed specifically for the protection of control circuits, street lighting, HID lighting, computers, and other applications without high in-rush currents. These midget fuses also have high-interrupting and current-limiting capability. They are intended to supplement the primary branch-circuit fuse or breaker to provide backup overcurrent protection. The KLK fuses are non-indicating and may be used with an indicating fuse block to identify a blown fuse.

Features & Benefits

FEATURES	BENEFITS
10x38 mm size	Common dimensions used in a variety of applications
Fast-acting	Provides fast, reliable short-circuit response within the interrupting rating
POWR-GARD® technology	Ensures quality backup overcurrent protection

Applications

- Control circuits
- Street and HID lighting
- Computers

Midget 10x38mm Fuses

KLK Series

Specifications

Voltage Rating	600 V ac / 500 V dc
Interrupting Ratings	AC: 100 kA 200 kA Littelfuse self-certified
Ampere Range	1/10–30 A
Applicable Standards	UL 248-14 Listed (File: E10480) CSA Certified (File: LR29862) QPL (File: F60C) CE
Environmental	RoHS Compliant
Material	Body: Melamine Caps: Copper Alloy
Operating Temperature	See Rerating Curve
Country of Origin	Mexico

Certification & Compliance

UL	UL Listed (File: E10480)
CSA	CSA Certified (File: LR29862)
CE	EU_DOC-KLK_201218
RoHS	RoHS 2 Directive 2011/65/EU; Directive (EU) 2015/863

Accessories

Littelfuse LPSM dead-front series fuse holder
Littelfuse LEB series fuse holder
Littelfuse L60030M series fuse holder

Ordering Information

AMP RATING	CATALOG NUMBER	ORDERING NUMBER	PRODUCT MARKING	VOLTAGE		INTERRUPTING RATING (KA)		UPC	WEIGHT LB (G)	AGENCY APPROVALS	
				AC	DC	AC	DC			UL	CSA
1/10	KLK.100	OKLK.100T	KLK 1/10A	600	500	100	50	07945825011	.013 (5.90)	•	•
1/8	KLK.125	OKLK.125T	KLK 1/8A	600	500	100	50	07945825012	.013 (5.90)	•	•
3/10	KLK.200	OKLK.200T	KLK 2/10A	600	500	100	50	07945825018	.013 (5.90)	•	•
1/4	KLK.250	OKLK.250T	KLK 1/4A	600	500	100	50	07945825019	.013 (5.90)	•	•
3/10	KLK.300	OKLK.300T	KLK 3/10A	600	500	100	50	07945825020	.013 (5.90)	•	•
1/2	KLK.500	OKLK.500T	KLK 1/2A	600	500	100	50	07945825024	.013 (5.90)	•	•
3/4	KLK.750	OKLK.750T	KLK 3/4A	600	500	100	50	07945825029	.013 (5.90)	•	•
1	KLK001	OKLK001.T	KLK 1A	600	500	100	50	07945825031	.013 (5.90)	•	•
1 1/2	KLK01.5	OKLK01.5T	KLK 1-1/2A	600	500	100	50	07945825037	.013 (5.90)	•	•
2	KLK002	OKLK002.T	KLK 2A	600	500	100	50	07945825041	.017 (7.71)	•	•
2 1/2	KLK02.5	OKLK02.5T	KLK 2-1/2A	600	500	100	50	07945825043	.017 (7.71)	•	•
3	KLK003	OKLK003.T	KLK 3A	600	500	100	50	07945825047	.017 (7.71)	•	•
3 1/2	KLK03.5	OKLK03.5T	KLK 3-1/2A	600	500	100	50	07945825048	.017 (7.71)	•	•

Midget 10x38mm Fuses

KLK Series

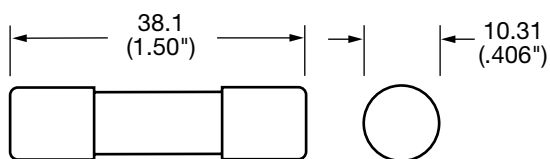
Ordering Information

AMP RATING	CATALOG NUMBER	ORDERING NUMBER	PRODUCT MARKING	VOLTAGE		INTERRUPTING RATING (KA)		UPC	WEIGHT LB (G)	AGENCY APPROVALS	
				AC	DC	AC	DC			UL	CSA
4	KLK004	OKLK004.T	KLK 4A	600	500	100	50	07945825053	.017 (7.71)	•	•
5	KLK005	OKLK005.T	KLK 5A	600	500	100	50	07945825055	.017 (7.71)	•	•
6	KLK006	OKLK006.T	KLK 6A	600	500	100	50	07945825058	.017 (7.71)	•	•
7	KLK007	OKLK007.T	KLK 7A	600	500	100	50	07945825061	.017 (7.71)	•	•
8	KLK008	OKLK008.T	KLK 8A	600	500	100	50	07945825063	.017 (7.71)	•	•
9	KLK009	OKLK009.T	KLK 9A	600	500	100	50	07945825064	.017 (7.71)	•	•
10	KLK010	OKLK010.T	KLK 10A	600	500	100	50	07945825065	.017 (7.71)	•	•
12	KLK012	OKLK012.T	KLK 12A	600	500	100	50	07945825067	.017 (7.71)	•	•
15	KLK015	OKLK015.T	KLK 15A	600	500	100	50	07945825068	.017 (7.71)	•	•
20	KLK020	OKLK020.T	KLK 20A	600	500	100	50	07945825071	.017 (7.71)	•	•
25	KLK025	OKLK025.T	KLK 25A	600	500	100	50	07945825072	.017 (7.71)	•	•
30	KLK030	OKLK030.T	KLK 30A	600	500	100	50	07945825073	.017 (7.71)	•	•

Electrical Specification - Agency Requirements

AMPERAGE RATING	OPENING TIME (MINUTES)		
	100 % OF AMP RATING PER UL	135 % OF AMP RATING PER UL	200 % OF AMP RATING PER UL
1/10-30	Temperature Stabilization	60 Max	2 Max

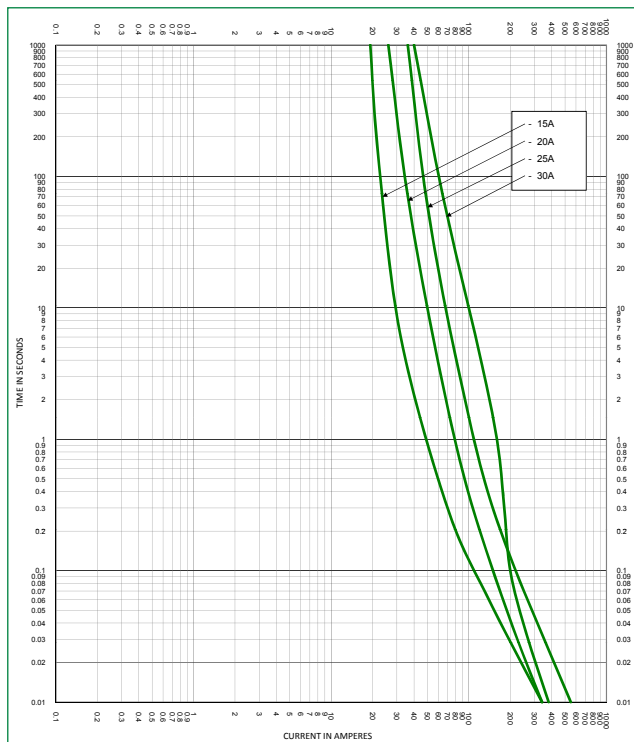
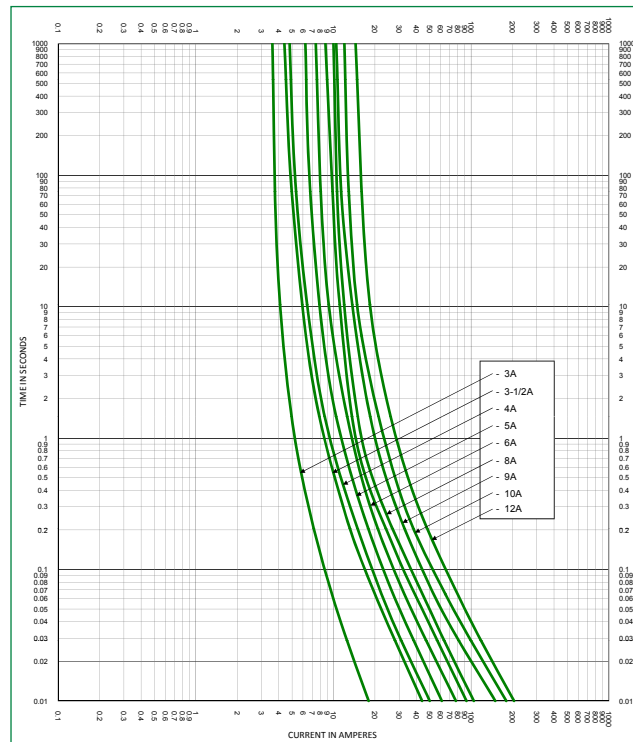
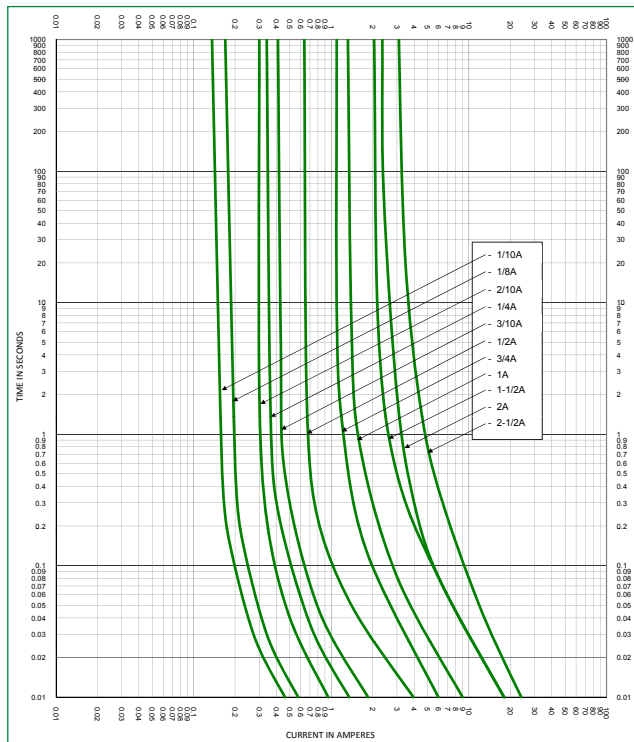
Dimensions Millimeters (inches)



Midget 10x38mm Fuses

KLK Series

Time Current Curves

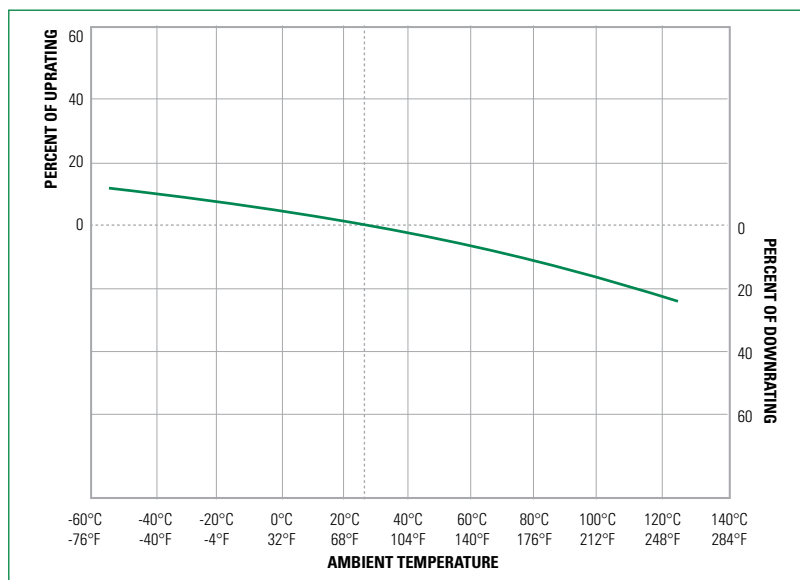


Midget 10x38mm Fuses

KLK Series

Temperature Derating Curve

Ambient temperature: temperature of air immediately surrounding fuse



Disclaimer Notice – Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at www.littelfuse.com/product-disclaimer.