



Post-Top Lanterns

LED Roadway Lighting





AEL® LED Lanterns offer the best value available for efficient, reliable post-top roadway lighting.

For more than 60 years, the American Electric Lighting® name has been recognized for the highest quality and reliability in outdoor, utility and infrastructure lighting.

Designed to replace 50-150 watt post-top luminaires, the virtually maintenance-free AEL Post-top Lantern Series uses breakthrough LEDs and optical technology to provide exceptional illumination while also saving energy –typically 60% or more.

Plus, it works seamlessly with Acuity Brands® outdoor control systems to maximize energy and maintenance savings.

Typical Applications

- Municipal Roadways
- Residential Streets
- Walkways
- Pathways
- Parks & Campus





245L



247L



ARDL



AVPL2



247CL



ARDCL



AVPCL2

At a Glance

Designed to replace 50-150W HPS, 100W MH and 175W MV post-top luminaires

Seven models for a variety of scale and form factor

System life rated for 100,000 hours at 25°C ambient

Types 2, 3, 4 and 5 distributions available

Choose from full cutoff configurations to a variety of refractor lens options

Best-in-class 20kV/10kA "extreme" surge protection option

Multiple color temperatures from 2700K to 5000K CCT

Factory-programmable driver and new DALI-enabled driver options

Optional field-adjustable lumen output module for manual dimming as low as 10%

Designed to operate at up to 40°C ambient

Lineman-friendly features - tool-less entry and prewired terminal block

A variety of DTL® control solutions such as the DLL Elite 20-year photocontrol



Classic AEL decorative post-top LED luminaires combine traditional aesthetics and install-friendly features with powerful new solid-state platforms that provide optimal performance with **quick payback**.

Reliable, Flexible and Affordable

With control options ranging from simple to sophisticated, these luminaires provide long life, energy savings and maintenance reduction in integrated solutions that simply work. With a time-tested, proven light engine design, the AEL post top family offers excellent optical control and heat dissipation to give you a beautiful, efficient lighting source while preserving the life of the electronic platform.

To safeguard your investment, the surge protection device and optional solid-state lighting photocontrol provide outstanding protection against electrical disturbances. The downward directed lumens of this series are well-suited for residential areas, city streetscapes, green spaces and retail areas, but the universal appeal of the standard and full cutoff offering provides a uniformed look for almost any application.

Performance and Durability

Using breakthrough LEDs and highly engineered precision optics, the AEL Lantern series offers extremely efficient optical distributions, multiple lumen packages and durable IP66 rated construction.



AEL Lantern products utilize a proven workhorse LED engine, placing hundreds of thousands of time-tested units in the field.



An efficient AEL thermal management system and durable IP66 rated construction help ensure 20 years of expected system life.



Refract Options	245L	247L	ARDL	AVPL2
Acrylic Prismatic	✓	✓	✓	✓
Acrylic Rain Style	✓			✓
Polycarbonate Prismatic	✓	✓	✓	✓
Polycarbonate Rain Style	✓			✓
Glass Prismatic	✓			✓

Finish Options	245L	247L	ARDL	AVPL2
Smooth	✓	✓	✓	
Textured				✓

Utility Friendly

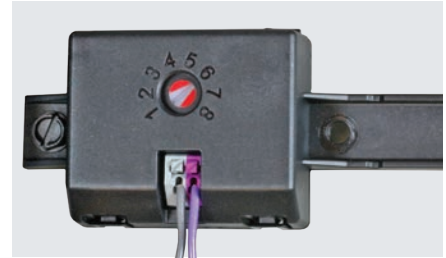
Engineered with utilities in mind, AEL designs all lanterns to be installed as quickly and safely as possible. Your time is money and the Lantern family helps you optimize your schedule by reducing time on the pole or in the bucket.



Prewired, three-stage terminal block can be wired using only a flat blade screwdriver.



20kV/10kA "extreme" surge protection with functional indicator light



Field adjustable lumen output module for enhanced inventory management and energy savings



Toolless latch option accelerates and simplifies installation

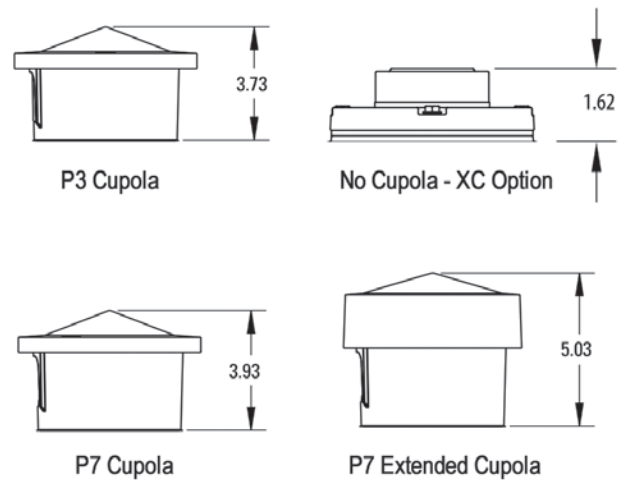


Controls Solutions

The AEL Lantern family offers a wide range of controls solutions to further reduce energy consumption and maintenance costs. From the Acuity Brands designed 7-pin photocontrol receptacle to our large portfolio of Dark to Light® controls products, AEL has the perfect solution to reduce hassle and impact your bottom line.



NEMA 7-pin rotatable photocontrol receptacle allows for connection to smart controls



The DTL® brand, a trusted name in the outdoor lighting controls market since 1990, has created some of the most reliable products to be used in the field. DTL photocontrols, which are among the most ubiquitous outdoor photocontrols, are built using well designed electronic circuitry. They run cool, consume less energy and offer consistent performance over voltage ranges and time. Explore the difference in electronic photocontrol with Dark to Light.



DLL Elite
20-year photocontrol



"Ittron ready" **DSN**
smart city network node

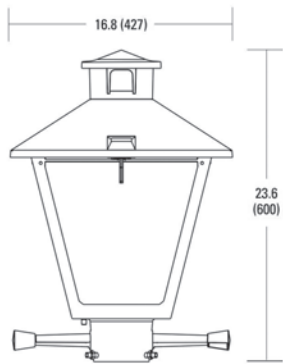


DTL Connect
wireless remote photocontrol

247L and 247CL LED Series

The classic American Revolution Series (247L and 247CL) provides a traditional low profile form factor for use in Colonial-style streetscape design. Utility-friendly features like its toolless cupola, hinged hood, pre-wired terminal block, and optional trigger latch make installation a breeze.

Producing between 1,385 -7,770 lumens, the 247 LED family replaces up to 150W HPS luminaires with optimal performance and visual comfort in a variety of applications. With standard (247L) and full cutoff (247CL) distributions in multiple lumen packages, American Revolution also provides a variety of industry leading control options such as the DTL® DLL Elite or DSN smart node from Acuity Brands®.



American Revolution Series

Effective Projected Area (EPA)

The EPA for 247L is 1.6 sq. ft.,
The EPA for 247CL is 1.0 sq. ft.,
Approx. Weight for both is 36 lbs.



Optional ladder rest provides additional Colonial style to enhance the architectural appeal of your site

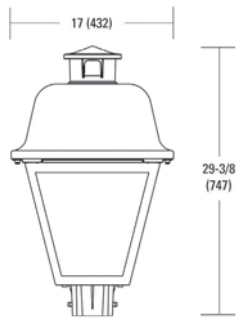
Package	CCT	247L with AY Optic				247CL				
		Package	Lumens	LPW	Package	Lumens	LPW	Package	Lumens	LPW
P10	3000K	12	1289	106	18	1435	119	12	1307	108
	4000K		1387	115		1545	128		1407	116
P15	3000K	18	1861	105	23	2073	117	18	1898	107
	4000K		2004	113		2232	126		2043	115
P20	3000K	23	2359	102	33	2627	114	23	2429	105
	4000K		2539	110		2828	122		2615	113
P25	3000K	33	3135	95	40	3492	105	33	3261	99
	4000K		3375	102		3759	114		3510	106
P30	3000K	40	3585	90	33	3992	100	40	3747	94
	4000K		3859	97		4297	108		4033	101
P35	3000K	33	3491	106	39	3888	118	33	3527	107
	4000K		3758	114		4185	127		3796	115
P40	3000K	39	4075	104	46	4539	115	39	4454	113
	4000K		4387	112		4886	124		4454	113
P45	3000K	46	4627	101	64	5154	112	46	4746	103
	4000K		4981	109		5548	121		5108	111
P50	3000K	64	6100	95	77	6793	106	64	6318	98
	4000K		6566	102		7313	114		6801	106
P55	3000K	77	6936	90		7724	100	77	7219	94
	4000K		7466	97		8315	108		7771	101

Note: simplified data tabulated. Also available in 2700K, 5000K, R3, R4 & other optics. Consult spec sheet and technical data for details.

ARDL and ARDCL LED Series

The American Revolution Deluxe Series (ARDL and ARDCL) is a versatile midscale Colonial Lantern with the larger hood of the AVPL2 Series, combined with the low profile base of the 247L Series. Utility-friendly features like its toolless cupola, hinged hood, pre-wired terminal block, and optional trigger latch make installation a breeze.

Producing between 2,570 - 11,720 lumens, the ARDL LED series replaces up to 150W HPS luminaires in a variety of applications. With standard (ARDL) and full cutoff (ARDCL) distributions in multiple lumen packages, American Revolution Deluxe also provides a variety of industry leading control options such as the DTL DLL Elite or DSN smart node from Acuity Brands.



American Revolution Deluxe Series

Effective Projected Area (EPA)
 The EPA for ARDL is 2.4 sq. ft.,
 The EPA for ARDCL is 1.35 sq. ft.,
 Approx. Weight for both is 39 lbs.



Optional ladder rest provides additional Colonial style to enhance the architectural appeal of your site

Package	CCT
P10	3000K
	4000K
P15	3000K
	4000K
P20	3000K
	4000K
P25	3000K
	4000K
P30	3000K
	4000K
P35	3000K
	4000K
P40	3000K
	4000K
P45	3000K
	4000K
P50	3000K
	4000K
P55	3000K
	4000K
P60	3000K
	4000K

Package	ARDL with AY Optic			
	R3		R5	
	Lumens	LPW	Lumens	LPW
23	2388	103	2586	112
	2571	111	2784	121
33	3174	96	3437	104
	3417	103	3700	112
40	3629	91	3930	98
	3907	98	4230	106
51	4214	83	4563	90
	4536	89	4912	97
46	4685	102	5073	111
	5043	110	5461	119
	6176	96	6687	104
64	6648	104	7199	112
	7022	91	7604	98
77	7559	98	8185	106
	8089	83	8760	89
98	8708	89	9429	96
	7072	108	7658	117
66	7613	116	8243	125
	9347	98	10121	106
96	10062	105	10895	114
	10647	92	11529	99
116	11461	99	12410	107

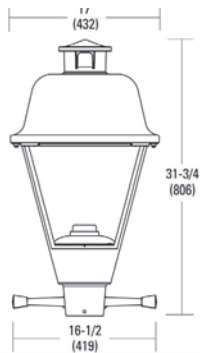
Package	ARDCL			
	R3		R5	
	Lumens	LPW	Lumens	LPW
24	2405	100	2681	112
	2589	108	2886	120
34	3198	94	3563	105
	3442	101	3836	113
41	3656	89	4074	99
	3935	96	4386	106
52	4245	82	4730	92
	4569	89	5092	99
46	4719	102	5259	114
	5080	110	5661	123
	6221	96	6933	107
65	6696	103	7463	115
	7073	91	7883	101
78	7614	98	8485	109
	8149	83	9081	93
98	8772	90	9775	100
	7124	107	7939	120
66	7668	116	8546	129
	9415	100	10493	111
94	10135	107	11295	120
	10725	97	11952	108
111	11545	104	12866	116

Note: simplified data tabulated. Also available in 2700K, 5000K, R3, R4 & other optics. Consult spec sheet and technical data for details.

AVPL2 and AVPCL2 LED Series

The AEL Valiant (AVPL2 and AVPCL2) is a traditional Colonial Lantern for streetscape applications requiring a larger form factor and superior daytime aesthetic. Utility-friendly features like its toolless cupola, hinged hood, pre-wired terminal block, and optional trigger latch make installation a breeze.

Producing between 2,630 - 11,720 lumens, the AVPL LED series replaces up to 150W HPS luminaires with optimal performance and visual comfort in a variety of applications. With standard (AVPL2) and full cutoff (AVPCL2) distributions in multiple lumen packages, the Valiant also provides a variety of industry leading control options such as the DTL DLL Elite or DSN smart node from Acuity Brands.



Valiant Series

Effective Projected Area (EPA)

The EPA for AVPL2 is 2.4 sq. ft.,
The EPA for AVPCL2 is 1.4 sq. ft.,
The EPA for AVPCL2 Vieux is 2.4 sq. ft.,
Approx. Weight for both is 38 lbs.



Optional ladder rest provides additional Colonial style to enhance the architectural appeal of your site

Package	CCT
P10	3000K
	4000K
P15	3000K
	4000K
P20	3000K
	4000K
P25	3000K
	4000K
P30	3000K
	4000K
P35	3000K
	4000K
P40	3000K
	4000K
P45	3000K
	4000K
P50	3000K
	4000K
P55	3000K
	4000K
P60	3000K
	4000K

AVPL2 with AY Optic					
Package	R3		R5		
	Lumens	LPW	Lumens	LPW	
23	2481	107	2522	109	
	2671	116	2715	118	
33	3298	100	3553	101	
	3550	107	3609	109	
40	3770	94	3833	96	
	4059	102	4126	103	
51	4378	86	4451	88	
	4712	93	4791	94	
46	4867	106	4948	108	
	5239	114	5327	116	
64	6416	100	6523	102	
	6906	108	7022	109	
77	7295	94	7417	96	
	7853	102	7984	103	
98	8404	86	8544	87	
	9046	92	9198	94	
66	7347	112	7470	114	
	7909	120	8041	122	
96	9710	101	9873	103	
	10453	109	10627	111	
116	11061	95	11246	97	
	11907	102	12105	104	

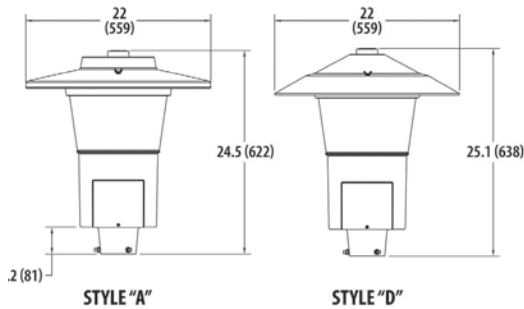
AVPCL2				
Package	R3		R5	
	Lumens	LPW	Lumens	LPW
24	2443	102	2660	111
	2629	110	2863	119
34	3247	96	3536	104
	3495	103	3806	112
41	3712	90	4042	98
	3996	97	4350	106
52	4310	84	4693	91
	4640	90	5052	98
46	4792	104	5218	113
	5158	112	5617	122
65	6317	97	6878	106
	6800	104	7404	114
78	7182	92	7821	100
	7731	99	8419	108
98	8274	85	9010	92
	8907	91	9699	99
66	7233	109	7877	119
	7787	117	8479	128
94	9560	101	10411	110
	10291	109	11207	119
111	10890	99	11859	107
	11723	106	12765	115

Note: simplified data tabulated. Also available in 2700K, 5000K, R3, R4 & other optics. Consult spec sheet and technical data for details.

245L LED Series

With two different hood styles to choose from, the economical AEL Contempo Series (245L) provides a more transitional form factor that is used heavily by utilities and municipalities all over North America. Producing between 1,330 -7,335 lumens, the 245 LED series replaces up to 150W HPS luminaires with optimal performance and visual comfort in a variety of applications.

With multiple distributions and lumen packages, the Contempo also provides a variety of industry leading control options such as the DTL DLL Elite or DSN smart node from Acuity Brands.



Contempo Series

Effective Projected Area (EPA)
The EPA for 245L is 1.3 sq. ft.,
Approx. Weight for both is 32 lbs.



Package	CCT	245L with RNA Optic								
		R2		R3		R4		R5		
		Watts	Lumens	LPW	Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	3000K	12	1186	98	1234	102	1234	102	1369	113
	4000K		1277	106	1329	110	1329	110	1473	122
P15	3000K	18	1723	97	1792	101	1792	101	1987	112
	4000K		1854	105	1929	109	1929	109	2139	121
P20	3000K	23	2205	95	2293	99	2293	99	2543	110
	4000K		2373	103	2469	107	2469	107	2737	119
P25	3000K	33	2960	89	3079	93	3079	93	3414	103
	4000K		3186	96	3314	100	3314	100	3675	111
P30	3000K	40	3400	85	3537	89	3537	89	3922	98
	4000K		3660	92	3808	95	3808	95	4222	106
P35	3000K	33	3200	97	3329	101	3329	101	3692	112
	4000K		3445	105	3584	109	3584	109	3974	121
P40	3000K	39	3755	96	3906	99	3906	99	4331	110
	4000K		4042	103	4205	107	4205	107	4663	119
P45	3000K	46	4307	94	4480	98	4480	98	4968	108
	4000K		4636	101	4823	105	4823	105	5348	117
P50	3000K	64	5733	89	5964	93	5964	93	6613	103
	4000K		6172	96	6420	100	6420	100	7119	111
P55	3000K	77	6551	85	6815	88	6815	88	7557	98
	4000K		7052	91	7336	95	7336	95	8135	105

Note: simplified data tabulated. Also available in 2700K, 5000K, R3, R4 & other optics. Consult spec sheet and technical data for details.



For more information on the Autobahn family visit us online at:

www.americanelectriclighting.com/lantern



Warranty Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx
Visit our web site at www.americanelectriclighting.com
Product specifications may change without notice. Please contact your sales representative for the latest product information.