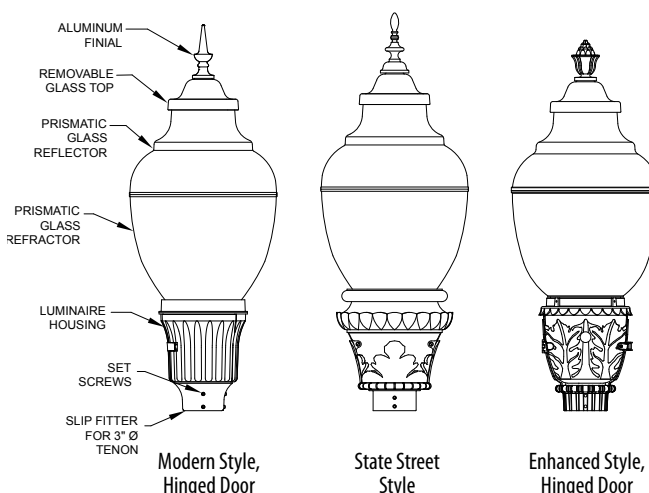


Catalog Number	
Notes	Type



Maximum weight:	65 lbs.	80 lbs.	80 lbs.
Maximum effective projected area:	2.26 sq. ft.	2.26 sq. ft.	2.26 sq. ft.

WAE3

Washington Postlite LED3 Series



SPECIFICATIONS

General Description

The Washington Postlite LED 3 Utility is styled to replicate the acorn luminaires that lighted streets in the first half of the 20th century. Designed for superior light control, ease of installation, and maintenance, the Washington Postlite has a precision prismatic glass optical system for true street lighting performance as well as beauty. The large acorn-shaped luminaire, contains a powerful, stalk-mounted Chip-On-Board, LED platform with a precision optical system that maximizes post spacings while maintaining uniform illumination.

Mechanical Specifications

The luminaire housing shall:

- Be heavy grade A360 cast aluminum (aluminum with <1% copper)
- The glass optic is bolted onto a gasketed top housing plate, using three stainless steel bolts that form an IP66 seal of the optical assembly.
- The housing provides an enclosure for a plug-in electrical module
- The housing accepts 3" high by 2-7/8" to 3-1/8" O.D. pole tenon and offers stainless steel set screws to securely fasten the luminaire to pole tenon

Available in three styles:

- MS Housing: Fluted decorative housing with hinge-door, tool-less entry
- EN Housing: Leaf-styled decorative housing with hinge-door, tool-less entry
- STS Housing: Leaf-styled decorative housing with pop-off door

The finish shall:

- Utilize a polyester power coat paint to ensure maximum durability
- Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5000 hours exposure to salt fog chamber (operated per ASTM B117) on standard and RAL finish options.
- RAL (RALxxxSDCR) paint colors are Super Durable Corrosion Resistant, 80% gloss.

Electrical Specifications

The driver shall meet the following requirements:

- Certified by UL or CSA for wet locations
- A programmable electronic driver with 0-10V dimming control leads
- LEDs shall have a minimum of 70 CRI and available in 2700K, 3000K, 4000K, and 5000K CCT
- The electrical system shall be designed to meet ANSI/IEEE C62.41.2 and shall offer a 10kV/5kA surge protection, fail off, as standard with an upgradable 20kV/10kA surge protection, fail off with indicator light, option
- Lumen output can be customized prior to manufacturing by way of FPDxx Options
- The electrical components are mounted on an aluminum plate that is removeable with minimum use of tools. A matching five conductor plug connects to the receptacle in the luminaire housing to complete the wiring. For photoelectric operation, the electrical module is provided with an EEI-NEMA twist-lock photocell receptacle.

Optical Specifications

The optical system is IP66 rated and consists of a precisely molded thermal resistant borosilicate glass refractor and top reflector mounted within various decorative ribs and banding configurations. The top reflector redirects over 50% of the upward light into the controlling refractor while allowing a soft up-light component to define the traditional acorn shape of the luminaire. The lower refractor uses precisely molded prisms to maximize pole spacings while maintaining uniform illumination. Two refractors are available, designed for IES type III and V distributions. Lunar Optics shielding is available for asymmetric and symmetric distributions.

Control Options

The control options shall include, but not limited to, the following:

- Field adjustable output to adjust output to luminaire - AO
- Long life photocontrol, 20 years - PCLL, P34 and P48 with DTL
- 7 pin receptacles internally in housing (PR7) or inside glass mounted (PR7E - not for use with photocontrols & nodes must have photocontrol disabled)
- nLight Air rSBOR6 outdoor fixture-mounted motion and photo-sensor, features a dual radio to communicate wirelessly to other nLight Air devices for group response to motion, on/off control in response to daylight and by switch, RSBOR6
- Fixture embedded nLight Air network interface for individual fixture control and dimming, NLTAIR2

Certification and Standards

- Luminaire shall be UL or CSA
- Suitable for operation in an ambient temperature up to 40°C / 105°F per UL or CSA certification
- LM79 compliant
- DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check with the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Government Procurement

BAA - Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.

BABA - Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.

Please refer to www.acuitybrands.com/resources/buy-american for additional information.

Warranty - 5 Years Limited

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. All values are design or typical values, measured under laboratory conditions at 25 °C.

ORDERING INFORMATION

Example: WAE3 P30 30K MVOLT MS GL3 BK BBR TBK AO

Series	LED Performance Package	LED Color temperature	Voltage	Housing Style
WAE3 Washington Postlite LED3	P10 3,200 nominal lumens	27K 2700K CCT	MVOLT Auto-Sensing 120-277V 56/60 HZ	MS Modern Style, Hinged Door
	P20 5,300 nominal lumens	30K 3000K CCT	HVOLT Auto-Sensing 347-480V 56/60 HZ	EN Enhanced Style, Hinged Door
	P30 8,100 nominal lumens	40K 4000K CCT		STS State Street Style
	P40 11,200 nominal lumens	50K 5000K CCT		
	P50 13,300 nominal lumens			
	P60 16,200 nominal lumens			
	P70 19,100 nominal lumens			

Optics	Housing Color	Trim	Trim Color
GL3 Glass, Type III	BK Black	BD Bud Finial	TBK Black
GL5 Glass, Type V	BZ Bronze	SK Spike Finial	TBZ Bronze
GL3LU Glass, Type III Lunar Optic	GH Graphite	OR Ornate Finial	TGH Graphite
GL5LU Glass, Type V Lunar Optic	GN Green	BBR Bud Finial, Band and Ribs	TGL Gold
	GR Grey	SBR Spike Finial, Band and Ribs	TGN Green
	PP Prime Paint	OBR Ornate Finial, Band and Ribs	TGR Grey
	WH White	BMB Band, Medallions and Bud Finial	TPP Prime Paint
	CMC Custom Match Color Finish	BMS Band, Medallions and Spike Finial	TWH White
	XX Standard finish, TBD	BMO Band, Medallions and Ornate Finial	TCMC Custom Match Color Finish
	RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.		TXX Standard Finish, TBD
			TRALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.

Options: Option Compatibility Matrix on page 3 of 4

CONTROLS OPTIONS	DRIVER ELECTRICAL OPTIONS	PREWIRED LEAD OPTIONS	COVER OPTIONS
AO Field Adjustable Output	FPDxx Factory Programmed Driver	L1H 1.5 ft prewired leads	FC Full Cover
PR7 NEMA twistlock dimming photocontrol receptacle - 7 pin	20KV Extreme surge protection 20kV/10kA, fail off with indicator light	L03 3 ft prewired leads	SHC Shorewood 1/2 cover
PR7E NEMA twistlock dimming photocontrol receptacle - 7 Pin (Under Glass)		L10 10 ft prewired leads	
PCLL Long Life DTL Twistlock Photocontrol for Solid State, MVOLT		L20 20 ft prewired leads	NEMA LABEL OPTIONS
P34 Long Life DTL Twistlock Photocontrol for Solid State, 347V		L25 25 ft prewired leads	NL1X1 1"X1" ANSI Wattage Label
P48 Long Life DTL Twistlock Photocontrol for Solid State, 480V		L30 30 ft prewired leads	NL 2x2 2"X2" ANSI Wattage Label
SH Shorting Cap			
RSBOR6 nLight Motion Sensing Photocontrols			
NLTAIR2 nLight RIO 2.0 Antenna			

Accessories: Order as separate catalog number.

HOUSE-SIDE SHIELD OPTIONS	
WLEDHS90	House Side Shield solid 90 Degree
WLEDHS12	House Side Shield solid 120 Degree
WLEDHS18	House Side Shield solid 180 Degree
WLEDHSS90	House Side Shield solid 90 Degree (lunar)
WLEDHSS12	House Side Shield solid 120 Degree (lunar)
WLEDHSS18	House Side Shield solid 180 Degree (lunar)

LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Use the factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F)

Ambient Temp		Lumen Multiplier	
°C	°F	P10, P20	P30, P40, P50, P60, P70
0	32	1.03	1.04
5	41	1.02	1.04
10	50	1.02	1.03
15	59	1.01	1.02
20	68	1.01	1.01
25	77	1.00	1.00
30	86	0.99	0.99
35	94	0.99	0.98
40	104	0.98	0.97

PROJECTED LED LUMEN MAINTENANCE

Data references the extrapolated performance projections for the platforms noted in 25°C ambient, based on 6,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

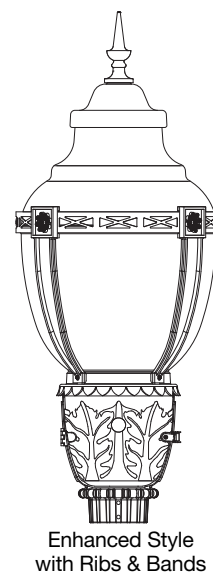
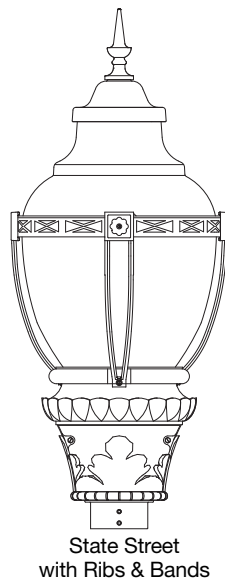
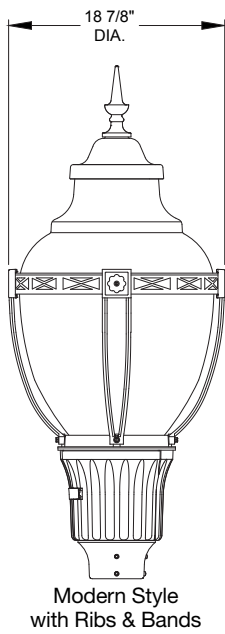
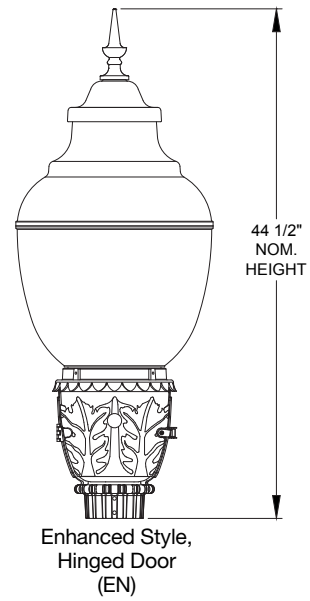
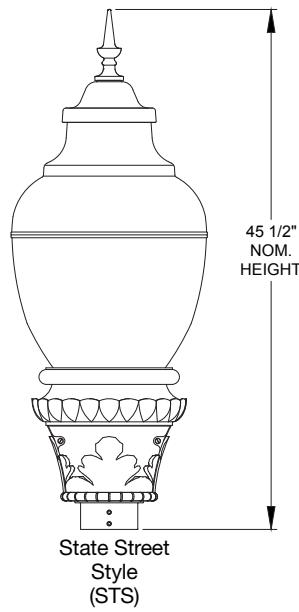
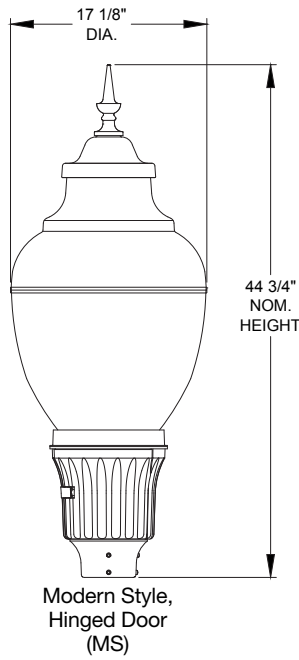
Lumen Maintenance - LLD (Same for all LED packages)							
Hours	0	25,000	36,000	50,000	60,000	75,000	100,000
Factor	1	0.96	0.94	0.91	0.90	0.87	0.83

The *italicized* data is extrapolated beyond the TM-21 standard.

PERFORMANCE DATA with the following TRIM/FINIAL options: BD, SK & OR

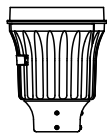
Performance Package	Distribution	Input Watts	27K (2700K CCT, 70 CRI)					30K (3000K CCT, 70 CRI)					40K (4000K CCT, 70 CRI)					50K (5000K CCT, 70 CRI)				
			Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G	Lumens	LPW	B	U	G
P10	GL3	22	2,786	127	1	4	3	3,162	144	1	4	3	3,221	146	1	4	3	3,279	149	1	4	3
	GL5		3,021	137	2	3	2	3,429	156	2	4	2	3,493	159	2	4	2	3,556	162	2	4	3
	GL3LU		2,433	111	1	3	2	2,761	126	1	3	2	2,812	128	1	3	2	2,864	130	1	3	2
	GL5LU		2,480	113	2	3	1	2,814	128	2	3	2	2,867	130	2	3	2	2,919	133	2	3	2
P20	GL3	36	4,626	129	1	4	3	5,250	146	1	5	3	5,348	149	2	5	3	5,445	151	2	5	3
	GL5		5,017	139	3	4	3	5,694	158	3	4	3	5,800	161	3	4	3	5,905	164	3	4	3
	GL3LU		4,039	112	1	3	2	4,585	127	2	3	3	4,670	130	2	3	3	4,755	132	2	3	3
	GL5LU		4,117	114	3	3	2	4,673	130	3	3	2	4,760	132	3	3	2	4,847	135	3	3	2
P30	GL3	56	7,003	125	2	5	4	7,949	142	2	5	4	8,097	145	2	5	4	8,244	147	2	5	4
	GL5		7,595	136	3	5	3	8,621	154	3	5	4	8,781	157	3	5	4	8,941	160	3	5	4
	GL3LU		6,116	109	2	4	3	6,942	124	2	4	3	7,071	126	2	4	3	7,199	129	2	4	3
	GL5LU		6,234	111	3	4	3	7,076	126	3	4	3	7,207	129	3	4	3	7,338	131	3	4	3
P40	GL3	77	9,654	125	2	5	5	10,958	142	3	5	5	11,161	145	3	5	5	11,364	148	3	5	5
	GL5		10,470	136	4	5	4	11,884	154	4	5	5	12,104	157	4	5	5	12,324	160	4	5	5
	GL3LU		8,431	109	2	4	3	9,569	124	3	4	4	9,747	127	3	4	4	9,924	129	3	4	4
	GL5LU		8,593	112	3	4	3	9,754	127	4	4	3	9,934	129	4	4	3	10,115	131	4	4	3
P50	GL3	95	11,540	121	3	5	5	13,099	138	3	5	5	13,342	140	3	5	5	13,585	143	3	5	5
	GL5		12,516	132	4	5	5	14,206	150	4	5	5	14,470	152	4	5	5	14,733	155	4	5	5
	GL3LU		10,078	106	3	4	4	11,439	120	3	4	4	11,651	123	3	5	4	11,863	125	3	5	4
	GL5LU		10,272	108	4	4	3	11,660	123	4	4	3	11,876	125	4	5	3	12,092	127	4	5	3
P60	GL3	118	14,019	119	3	5	5	15,913	135	3	5	5	16,207	137	3	5	5	16,502	140	3	5	5
	GL5		15,204	129	4	5	5	17,258	146	4	5	5	17,577	149	4	5	5	17,897	152	4	5	5
	GL3LU		12,243	104	3	5	4	13,896	118	3	5	4	14,154	120	3	5	5	14,411	122	3	5	5
	GL5LU		12,478	106	4	5	3	14,164	120	4	5	4	14,426	122	4	5	4	14,689	124	4	5	4
P70	GL3	146	16,518	113	3	5	5	18,749	128	3	5	5	19,097	131	3	5	5	19,444	133	3	5	5
	GL5		17,914	123	4	5	5	20,334	139	4	5	5	20,711	142	5	5	5	21,088	144	5	5	5
	GL3LU		14,425	99	3	5	5	16,374	112	3	5	5	16,677	114	3	5	5	16,981	116	3	5	5
	GL5LU		14,703	101	4	5	4	16,689	114	4	5	4	16,998	116	4	5	4	17,308	119	4	5	4

DIMENSIONS

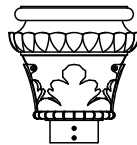


Mark Appropriate Box for Trim Option

Housing



Modern (MS)
Hinged Door

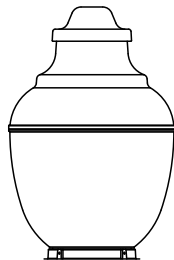


State Street (STS)

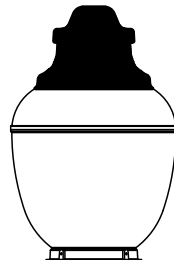


Enhanced (EN)
Hinged Door

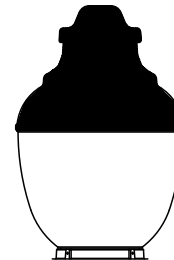
Cover



No Cover
Blank
(Finial Required)

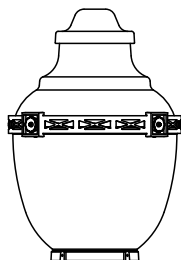


Shorewood Cover
SHC
(Finial Required)

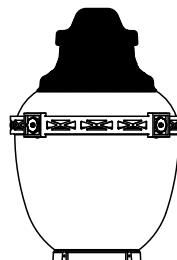


Full Cover
FC
(Finial Required)

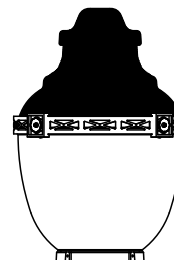
Medallions & Bands



Medallions and Band
BMx
(replace X with first letter
of Finial Option)

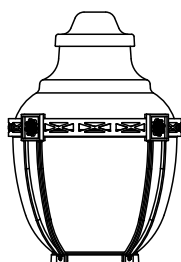


Medallions, Band,
and Shorewood Cover
BMx with SHC
(replace X with first letter
of Finial Option)

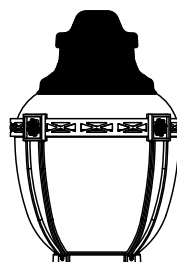


Medallions, Band,
and Full Cover
BMx with FC
(replace X with first letter
of Finial Option)

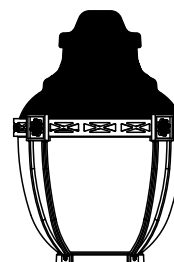
Ribs & Bands



Ribs and Band
xBR
(replace X with first letter
of Finial Option)



Ribs, Band,
and Shorewood Cover
xBR with SHC
(replace X with first letter
of Finial Option)



Ribs, Band,
and Full Cover
xBR with FC
(replace X with first letter
of Finial Option)

Finial



Bud
BD



Ornate
OR



Spike
SK

OPTIONAL COMPONENTS



AO
Manual field adjustable output dimming device



RSB0R6
Motion and photosensor (Black) communicates wirelessly to other nLight AIR devices



20KV
Safeguard your investment from extreme voltage spikes with our new Extreme 20KV/10kA SPD



NLTAIR2
Fixture embedded nLight AIR network interface provides individual fixture control and digital dimming capabilities



The Rapid Ship Pole and Luminaire program provides quick solutions for urgent needs.

The most popular and readily available are available for those urgent projects. Select from the following options to get up to 20 units shipped in 20 working days or less!

ORDERING INFORMATION

Example: WAE3 P50 30K MVOLT MS GL5 BK

Series	LED Performance Package	LED Color temperature	Voltage	Housing Style
WAE3 Washington Postlite LED3	P10 3,200 nominal lumens P20 5,300 nominal lumens P30 8,100 nominal lumens P40 11,200 nominal lumens P50 13,300 nominal lumens P60 16,200 nominal lumens P70 19,100 nominal lumens	27K 2700K CCT 30K 3000K CCT 40K 4000K CCT 50K 5000K CCT	MVOLT Auto-Sensing 120-277V 56/60 HZ HVOLT Auto-Sensing 347-480V 56/60 HZ	MS Modern Style, Hinged Door

Optics	Housing Color	Trim	Trim Color
GL3 Glass, Type III GL5 Glass, Type V	BK Black BZ Bronze GH Graphite GN Green GR Grey WH White	BD Bud Finial SK Spike Finial OR Ornate Finial	TBK Black TBZ Bronze TGH Graphite TGL Gold TGN Green TGR Grey TWH White

Options: Option Compatibility Matrix on page 3 of 4			
CONTROLS OPTIONS AO Field Adjustable Output PR7 NEMA twistlock dimming photocontrol receptacle - 7 pin PR7E NEMA twistlock dimming photocontrol receptacle - 7 Pin (Under Glass) PCLL Long Life DTL Twistlock Photocontrol for Solid State, MVOLT SH Shorting Cap	DRIVER ELECTRICAL OPTIONS FPDxx Factory Programmed Driver 20KV Extreme surge protection 20KV/10kA, fail off with indicator light	PREWIRED LEAD OPTIONS L1H 1.5 ft prewired leads L03 3 ft prewired leads L10 10 ft prewired leads L20 20 ft prewired leads	COVER OPTIONS FC Full Cover NEMA LABEL OPTIONS NL1X1 1"X1" ANSI Wattage Label NL2x2 2"X2" ANSI Wattage Label

Accessories: Order as separate catalog number.	
HOUSE-SIDE SHIELD OPTIONS	
WLEDHS90	House Side Shield solid 90°
WLEDHS12	House Side Shield solid 120°
WLEDHS18	House Side Shield solid 180°