



Lumec Ancestra LED post top luminaires present a new twist on a classic design. By combining the best aspects of past and present forms with the best that modern technology has to offer, the **Ancestra** luminaires epitomizes Lumec's design philosophy beautifully: to combine the best technology with elegant design.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Qty: _____
 Notes: _____

Ordering guide

example: AT10-C-196L650NW-G2-3-UNV-DMG-BKTX

Series	LED module	Gen.	Optical system	Voltage	Driver options ²	Options				Poles/ Brackets	Finish
						Receptacle	Control	Luminaire	Decorative		
		G2									
AT10-C	3000K	G2 Gen 2	1 Type I (ASYM) 2 Type II (ASYM) 3 Type III (ASYM) 4 Type IV (ASYM) 5 Type V (SYMM)	UNV 120-277VAC 347 347VAC 480 480VAC	DMG 0-10V SRD ³ Sensor ready driver, standard configuration SRD1 ³ Sensor ready driver, alternate configuration	RC ^{4,5} Receptacle for twist-lock photocell or shorting cap, 3-pin RCD7 ⁶ Receptacle, 7-pin	PH8 ^{4,5} Twist-lock Photoelectric Cell PHXL ^{3,4} Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC) PH9 ^{4,5} Shorting cap	SP2 20kV/10kA Surge Protector (optional) TN2.87 2 1/2" dia. Tenon adapter TN3 3" dia. Tenon adapter TN3.5 3 1/2" dia. Tenon adapter	DA Decorative arches DC ⁴ Decorative cap DFN10 ⁴ Decorative Coupola DFN20 ⁴ Decorative Coupola WC ⁶ Without Cupola FN1 ⁴ Decorative finial FN10 ⁴ Decorative finial FN2 ⁴ Decorative finial FN3 ⁴ Decorative finial FN5 ⁴ Decorative finial FN6 ⁴ Decorative finial FN8 ⁴ Decorative finial FN9 ⁴ Decorative finial FNC ⁵ Decorative finial painted copper	Visit us online at Signify.com/luminaires for details and the complete line of poles and brackets.	Textured BE2TX Midnight Blue BE6TX Ocean Blue BE8TX Royal Blue BG2TX Sandstone BKTX Black BRTX Bronze GN4TX Blue Green GN6TX Forest Green GN8TX Dark Forest Green GNTX Green GY3TX Medium Grey RD2TX Burgundy RD4TX Scarlet WHTX White
AT20-C	196L450WW ¹										
AT30-C	196L650WW ¹										
AT40-C	196L1150WW										
Ancestra LED post top	196L1675WW										
	196L2100WW										
	4000K										
	196L450NW ¹										
	196L650NW ¹										
	196L1150NW										
	196L1675NW										
	196L2100NW										

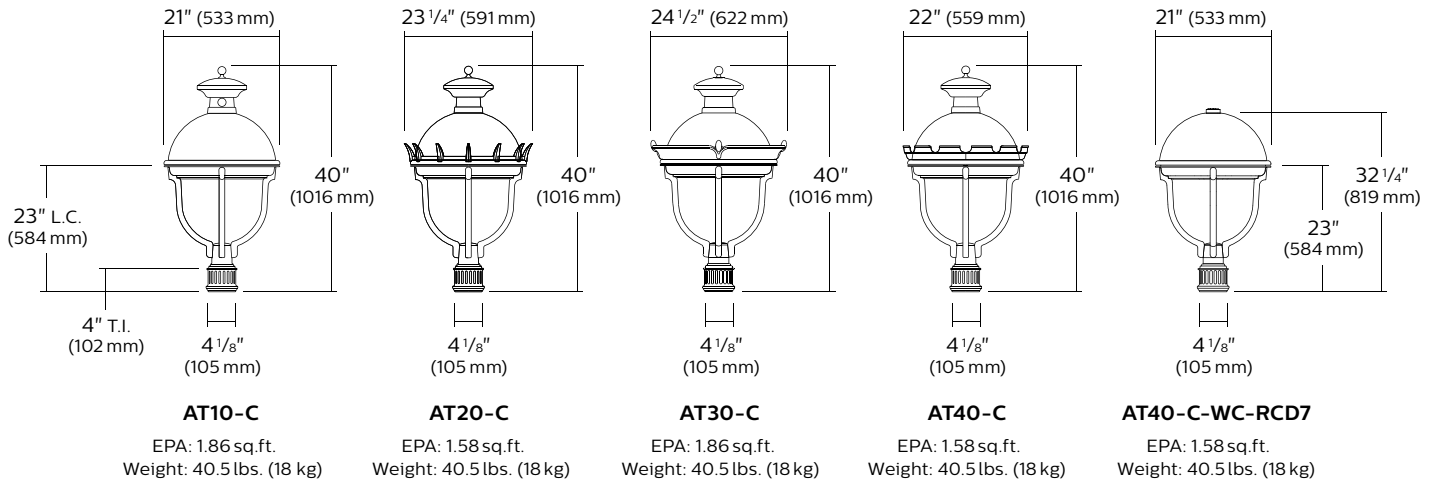
1. For 240 or 277 volt with CDMG options consult factory.
 2. Select either CDMG or DMG mandatory option.
 3. Not available with 347V and 480V.
 4. Not available with WC option
 5. RC must be selected for this option.
 6. If RCD7 is required you need to select WC without cupola.

AT10-C/AT20-C/AT30-C/AT40-C

Ancestra LED Pendant Post Top

Urban luminaire with comfort optics

Dimensions



Models



AT10-C/AT20-C/AT30-C/AT40-C Ancestra LED Pendant Post Top

Urban luminaire with comfort optics

3000K Lumen Values

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 1			Type 2			Type 3		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
ATxx-C-196L450830-G2-x	196	450	21	1916	91	B1-U0-G1	1930	92	B1-U0-G1	2029	97	B1-U0-G1
ATxx-C-196L650830-G2-x	196	650	30	2709	90	B1-U0-G1	2729	91	B1-U0-G1	2869	96	B1-U0-G1
ATxx-C-196L1150830-G2-x	196	1150	52	4735	91	B2-U0-G2	4769	92	B2-U0-G2	5014	96	B2-U0-G2
ATxx-C-196L1675830-G2-x	196	1675	75	6556	87	B3-U0-G3	6604	88	B2-U0-G2	6942	93	B2-U0-G2
ATxx-C-196L2100830-G2-x	196	2100	94	7998	85	B3-U0-G3	8056	86	B3-U0-G3	8469	90	B3-U0-G3

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 4			Type 5		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
ATxx-C-196L450830-G2-x	196	450	21	2110	100	B1-U0-G1	1976	94	B1-U0-G1
ATxx-C-196L650830-G2-x	196	650	30	2984	99	B1-U0-G1	2794	93	B2-U0-G1
ATxx-C-196L1150830-G2-x	196	1150	52	5214	100	B2-U0-G2	4883	94	B3-U0-G1
ATxx-C-196L1675830-G2-x	196	1675	75	7219	96	B2-U0-G2	6761	90	B3-U0-G2
ATxx-C-196L2100830-G2-x	196	2100	94	8808	94	B3-U0-G3	8248	88	B3-U0-G2

4000K Lumen Values

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 1			Type 2			Type 3		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
ATxx-C-196L450840-G2-x	196	450	21	1993	95	B1-U0-G1	2007	96	B1-U0-G1	2110	100	B1-U0-G1
ATxx-C-196L650840-G2-x	196	650	30	2818	94	B2-U0-G2	2838	95	B1-U0-G1	2984	99	B1-U0-G1
ATxx-C-196L1150840-G2-x	196	1150	52	4924	95	B2-U0-G2	4960	95	B2-U0-G2	5214	100	B2-U0-G2
ATxx-C-196L1675840-G2-x	196	1675	75	6818	91	B3-U0-G3	6868	92	B3-U0-G3	7220	96	B2-U0-G2
ATxx-C-196L2100840-G2-x	196	2100	94	8318	88	B3-U0-G3	8379	89	B3-U0-G3	8808	94	B3-U0-G3

Ordering Code	Total LEDs	LED current (mA)	Ave. System Wattage (W)	Type 4			Type 5		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
ATxx-C-196L450840-G2-x	196	450	21	2194	104	B1-U0-G1	2055	98	B1-U0-G1
ATxx-C-196L650840-G2-x	196	650	30	3103	103	B1-U0-G1	2906	97	B2-U0-G1
ATxx-C-196L1150840-G2-x	196	1150	52	5423	104	B2-U0-G2	5078	98	B3-U0-G1
ATxx-C-196L1675840-G2-x	196	1675	75	7508	100	B2-U0-G2	7031	94	B3-U0-G2
ATxx-C-196L2100840-G2-x	196	2100	94	9160	97	B2-U0-G2	8578	91	B3-U0-G2

Actual performance may vary due to installation variables including optics, mounting/ceiling height, dirt depreciation, light loss factor, etc.; highly recommended to confirm performance with a layout - contact Applications at signify.com/outdoorluminaires. Consult DLC QPL to confirm your specific fixture selection is DLC approved. Note: Some data may be scaled based on tests of similar but not identical luminaires.

AT10-C/AT20-C/AT30-C/AT40-C Ancestra LED Pendant Post Top

Urban luminaire with comfort optics

Specifications

Housing

Hood: Spun aluminum 1100 0 dome, mechanically assembled on the luminaire.

Housing: In a round shape, this housing is made of cast 356 aluminum, c/w a watertight grommet, mechanically assembled to the bracket with four bolts 3/8 16 UNC. This suspension system permits for a full rotation of the luminaire in 90° increments.

Access-mechanism

A die cast A360 aluminum technical ring with latch, hinge and a cast in decorative skirt. The mechanism shall offer tool free access to the inside of the luminaire. An embedded memory retentive gasket shall ensure weatherproofing.

Light engine

Light guide technology provides low-glare, uniform illumination. Composed of 196 LEDs strategically positioned on the edge of the optical plate. Light engine luminous opening size optimized to best achieve a balance between lumen output and optical performance with the need to provide visual comfort. Light engine frame ensures contact with housing to provide heat conduction and sealing against the elements. Light engine is RoHS compliant. Maximum ambient operating temperature up to 40°C(104°F). Standard color temperatures: 3000K +/- 130K, 4000K +/- 130K, Minimum CRI of 80. Also available in 2700K, 3500K, 5000K and Amber (>590nm) with extended lead times. Contact factory for details.

Optical System

The advanced LED comfort optical system provides Types 1, 2, 3, 4 and 5. Composed of high performance UV-stabilized optical grade lens with molded micro-optics to achieve desired distribution optimized to get a exceptional lighting uniformity. Performance tested per LM-79 and TM-15 (IESNA) certifying its photometric performance. Street side indicated luminaire designed with 0% uplight (UO per IESNA TM-15).

Driver

High power factor of 95%. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 and 347 to 480 VAC rated or both application line to line or line to neutral, Class 2, THD of 20% max. Maximum ambient operating temperature from 40°F (40°C) to 130°F (50°C). Certified in compliance to UL1310 cULus requirement. Dry and damp location. Assembled on a unitized removable tray with Tyco quick disconnect plug resisting to 221°F (105°C). Dimmable driver 0-10V. The current supplying the LEDs will be reduced by the driver if the driver experiences internal overheating as a protection to the LEDs and the electrical components. Output is protected from short circuits, voltage overload and current overload. Automatic recovery after correction. Standard built in driver surge protection of 2.5kV (min) with CDMG, driver is class 1.

Surge Protection

Surge protector tested in accordance with ANSI/IEEE C62.45 per ANSI/IEEE C62.41.2 Scenario I Category C High Exposure 0kV/10kA waveforms for Line Ground, Line Neutral and Neutral Ground, and in accordance with U.S. DOE (Department of Energy) MSSLC (Municipal Solid State Street Lighting Consortium) model specification for LED roadway luminaires electrical immunity requirements for High Test Level 10kV / 10kA. SP2 20kV/10kA optional.

Driver options

DMG: Dimmable driver 0-10V.

SRD: Sensor Ready Driver including SR communication (used for dimming and other functionalities), 24V auxiliary supply and a logical signal input (LSI) connected to the top NEMA twist lock receptacle.

SRD1: Sensor Ready Driver including SR communication (used for dimming and other functionalities) but with 24V auxiliary supply and a logical signal input (LSI) not connected to the top NEMA twist lock.

Wiring

Gauge (#14) TEW/AWM 1015 or 1230 wires, 6" (152mm) minimum exceeding from luminaire.

Hardware

All exposed screws shall be complete with Ceramic primer-seal base coat to reduce seizing of the parts and offers a high resistance to corrosion. All seals and sealing devices are made and/or lined with EPDM and/or silicone and/or rubber.

LED products (manufacturing standard)

The electronic components sensitive to electrostatic discharge (ESD) such as light emitting diodes (LEDs) are assembled in compliance with IEC61340 5 1 and ANSI/ESD S20.20 standards so as to eliminate ESD events that could decrease the useful life of the product.

Quality control

Manufactured to ISO 9001 2015 standards and ISO 14001-2004 International Quality Standards Certification.

Certifications and Compliance

cULus Listed for Canada and USA.
Luminaires are DesignLights Consortium qualified.

Predicted Lumen Depreciation Data

Predicted lumen depreciation data ¹				
Ambient Temperature (°C)	Driver (mA)	Calculated L ₇₀ hours ^{1,2}	L ₇₀ per TM-21 ^{2,3}	Lumen Maintenance % @ 60,000 hours
25°C	up to 2100 mA	>100,000	>60,000	83%

1. Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions.

2. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.

3. Calculated per IESNA TM21-11. Published L₇₀ hours limited to 6 times actual LED test hours.

AT10-C/AT20-C/AT30-C/AT40-C

Ancestra LED Pendant Post Top

Urban luminaire with comfort optics

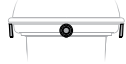
Specifications (continued)

Decorative options

- CPT** Copper cupola
- CPTC** Varnished copper cupola
- WC** Without Cupola
- FNC** Decorative finial painted copper



DA
Decorative arches



DC
Decorative cap



FN1 Decorative finial



FN2 Decorative finial



FN3 Decorative finial



FN5 Decorative finial



FN6 Decorative finial



FN8 Decorative finial



FN9 Decorative finial

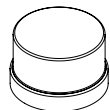


FN10 Decorative finial

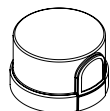
Luminaire options



PH8
Photoelectric cell,
twist-lock type.
Allows 90° rotation



PH9
Shorting cap,
twist-lock type



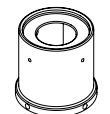
PHXL
Extended life Photoelectric cell,
twist-lock type
Allows 90° rotation



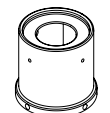
RC
Receptacle
3-pins



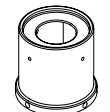
RCD7
Receptacle
7-pins



TN2.875C
2-7/8" dia.
tenon adaptor



TN3
3" dia.
tenon adaptor



TN3.5
3-1/2" dia.
tenon adaptor

SP2
20kV/10kA integral
surge protector (optional)

Fitter

Cast 356 aluminum c/w 4 set screws 3/8 16 UNC. This fitter holds 2 arms made of cast aluminum 356 mechanically assembled. Slip fits on a 4" (102mm) outside diameter X 4" (102mm) long tenon.

Finish

In accordance with the AAMA 2603 standard. Application of polyester powder coat paint (4 mils/100 microns) with +/- 1 mils/24 microns of tolerance. The Thermosetting resins provides a discoloration resistant finish in accordance with the ASTM D2244 standard, as well as luster retention in keeping with the ASTM D523 standard and humidity proof in accordance with the ASTM D2247 standard. The surface treatment achieves a minimum of 2000 hours for salt spray resistant finish in accordance with testing performed and per ASTM B117 standard.

Textured Finish Options:

- BE2TX:** Textured Midnight Blue
- BE6TX:** Textured Ocean Blue
- BE8TX:** Textured Royal Blue
- BG2TX:** Textured Sandstone
- BKTX:** Textured Black
- BRTX:** Textured Bronze
- GN4TX:** Textured Blue Green
- GN6TX:** Textured Forest Green
- GN8TX:** Textured Dark Forest Green
- GNTX:** Textured Green
- GY3TX:** Textured Medium Grey
- RD2TX:** Textured Burgundy
- RD4TX:** Textured Scarlet
- WHTX:** Textured White

Non-Textured Finish Options:

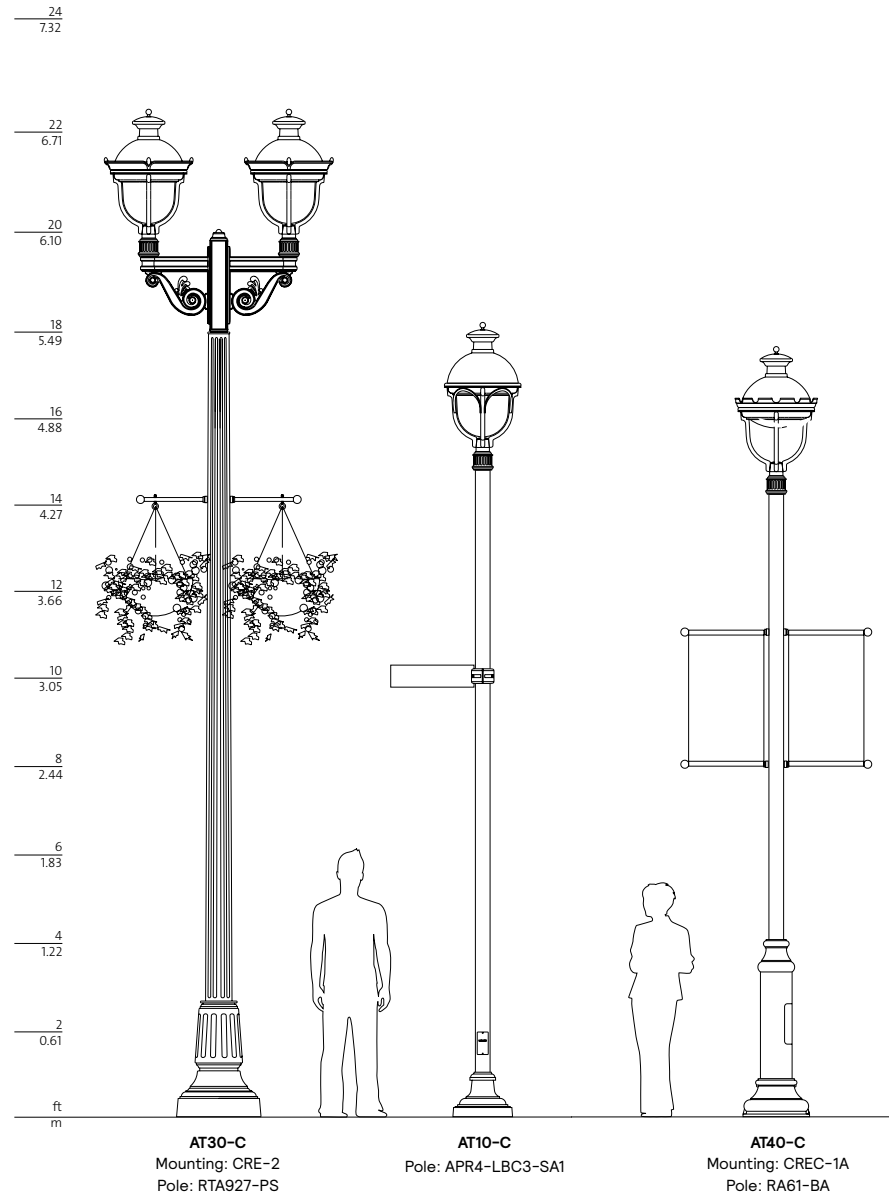
- GR:** Gray Sandtex
- NP:** Natural Aluminum
- TG:** Hammer-tone Gold

AT10-C/AT20-C/AT30-C/AT40-C

Ancestra LED Pendant Post Top

Urban Luminaire

Poles



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