



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: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

### Ordering guide

example: AT10-C-140L650NW-G1-3-UNV-DMG-BKTX

Series	LED module	Gen.	Optical system	Ballast	Driver options <sup>3</sup>	Luminaire options	Poles / Brackets	Finish	
		<b>G1</b>							
AT10-C AT20-C AT30-C AT40-C	<b>3000K</b> 140L450WW <sup>5</sup> 140L650WW <sup>5</sup> 140L1150WW 140L1675WW 140L2100WW  <b>4000K</b> 140L450NW <sup>5</sup> 140L650NW <sup>5</sup> 140L1150NW 140L1675NW 140L2100NW	G1 Gen1	1 Type I (ASYM) 2 Type II (ASYM) 3 Type III (ASYM) 4 Type IV (ASYM) 5 Type V (SYMM)	<b>UNV</b> 120-277VAC <b>347</b> 347VAC <b>480</b> 480VAC	<b>CDMGE25</b> <sup>1</sup> Economy 8 hrs. 25% reduction <b>CDMGE50</b> <sup>1</sup> Economy 8 hrs. 50% reduction <b>CDMGE75</b> <sup>11</sup> Economy 8 hrs. 75% reduction <b>CDMGM25</b> <sup>1</sup> Median 6 hrs. 25% reduction <b>CDMGM50</b> <sup>1</sup> Median 6 hrs. 50% reduction <b>CDMGM75</b> <sup>1</sup> Median 6 hrs. 75% reduction <b>CDMGS25</b> <sup>1</sup> Safety 4 hrs. 25% reduction <b>CDMGS50</b> <sup>1</sup> Safety 4 hrs. 50% reduction <b>CDMGS75</b> <sup>1</sup> Safety 4 hrs. 75% reduction <b>DMG</b> 0-10V <b>SRD</b> <sup>1</sup> Sensor ready driver, standard configuration <b>SRD1</b> <sup>1</sup> Sensor ready driver, alternate configuration	<b>DA</b> Decorative arches <b>DC</b> <sup>7</sup> Decorative cap <b>DFN10</b> <sup>7</sup> Decorative Coupola <b>DFN20</b> <sup>7</sup> Decorative Coupola <b>FN1</b> <sup>7</sup> Decorative finial <b>FN10</b> <sup>7</sup> Decorative finial <b>FN2</b> <sup>7</sup> Decorative finial <b>FN3</b> <sup>7</sup> Decorative finial <b>FN5</b> <sup>7</sup> Decorative finial <b>FN6</b> <sup>7</sup> Decorative finial <b>FN8</b> <sup>7</sup> Decorative finial <b>FN9</b> <sup>7</sup> Decorative finial <b>WC</b> <sup>6</sup> Without cupola	<b>FNC</b> <sup>7</sup> Decorative finial painted copper <b>PH8</b> <sup>4,7</sup> Twist-lock Photoelectric Cell <b>PHXL</b> <sup>1,7</sup> Twist-lock Photoelectric Cell, extended life, UNV (120-277VAC) <b>PH9</b> <sup>4,7</sup> Shorting cap <b>RC</b> <sup>1,7</sup> Receptacle for twist-lock photocell or shorting cap, 3-pin <b>RCD7</b> <sup>6</sup> Receptacle 7 pin <b>SP2</b> 20kV/10kA Surge Protector (optional) <b>TN2.87</b> 2 7/8" dia. Tenon adaptor <b>TN3</b> 3" dia. Tenon adaptor <b>TN3.5</b> 3" 1/2 dia. Tenon adaptor	Consult with Signify.com/ luminaires for details and the complete line of poles and brackets.	<b>Textured</b>  <b>BE2TX</b> Midnight Blue <b>BE6TX</b> Ocean Blue <b>BE8TX</b> Royal Blue <b>BG2TX</b> Sandstone <b>BKTX</b> Black <b>BRTX</b> Bronze <b>GN4TX</b> Blue Green <b>GN6TX</b> Forest Green <b>GN8TX</b> Dark Forest Green <b>GNTX</b> Green <b>GY3TX</b> Medium Grey <b>RD2TX</b> Burgundy <b>RD4TX</b> Scarlet <b>WHTX</b> White  <b>Other</b> <b>GR</b> Gray Sandtex <b>NP</b> Natural Aluminum <b>TG</b> Hammertone Gold

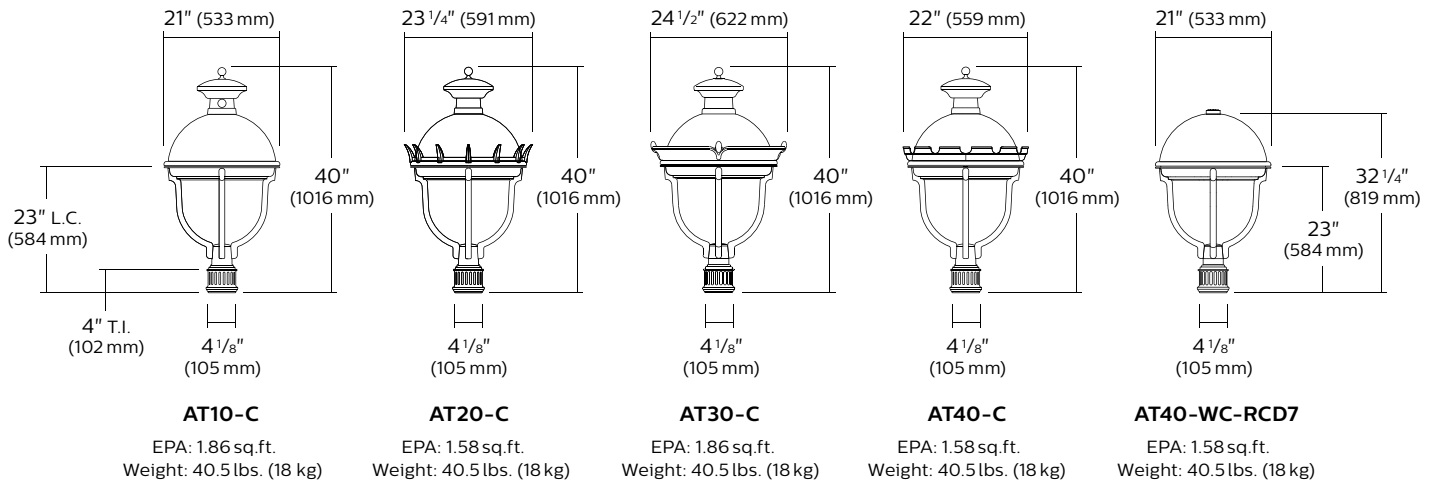
1. Not available with **347V** and **480V**.  
 2. Use of photoelectric cell or shorting cap is required to ensure proper illumination.  
 3. Select either **CDMG** or **DMG** mandatory option.  
 4. RC must be selected for this option.  
 5. For 240 or 277 volt with **CDMG** options consult factory.  
 6. If **RCD7** is required you need to select **WC** without cupola.  
 The **RCD7** is located on top of the roof in place of the cupola for use with a control node.  
 7. Not available with **WC** option

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

## Ancestra LED Pendant Post Top

### Urban Luminaire

#### Dimensions



#### LED Wattage and Lumen Values: for AT10-C/AT20-C/AT30-C/AT40-C

##### 3000K

Ordering Code: Flat lens (3000K)	Total LEDs	LED current (mA)	Average 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
140L450WW-G1	140	450	21	1916	91	B1-U0-G1	1930	92	B1-U0-G1	2029	97	B1-U0-G1
140L650WW-G1	140	650	30	2680	89	B2-U0-G2	2520	84	B1-U0-G1	2649	88	B1-U0-G1
140L1150WW-G1	140	1150	52	4562	88	B2-U0-G2	4288	82	B2-U0-G2	4508	87	B2-U0-G2
140L1675WW-G1	140	1675	75	6265	84	B3-U0-G3	5889	79	B3-U0-G3	6191	83	B2-U0-G2
140L2100WW-G1	140	2100	94	7602	81	B3-U0-G3	7146	76	B3-U0-G3	7512	80	B3-U0-G3

Ordering Code: Flat lens (4000K)	Total LEDs	LED current (mA)	Average System Wattage (W)	Type 4			Type 5		
				Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
140L450WW-G1	140	450	21	2110	100	B1-U0-G1	1976	94	B1-U0-G1
140L650WW-G1	140	650	30	2755	92	B1-U0-G1	2764	92	B2-U0-G1
140L1150WW-G1	140	1150	52	4688	90	B2-U0-G2	4705	90	B3-U0-G2
140L1675WW-G1	140	1675	75	6438	86	B2-U0-G2	6461	86	B3-U0-G2
140L2100WW-G1	140	2100	94	7812	83	B3-U0-G3	7840	83	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](mailto:signify.com/outdoorluminaires).

**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

**LED Wattage and Lumen Values:** for AT10-C/AT20-C/AT30-C/AT40-C

4000K

Ordering Code: Flat lens (3000K)	Total LEDs	LED current (mA)	Average 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
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# AT10-C/AT20-C/AT30-C/AT40-C

## Ancestra LED Pendant Post Top

### Urban Luminaire

#### Specifications

##### Housing

**Hood:** Spun aluminum 1100 O 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 140 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 70. Also available in 2700K, 3500K, 5000K and Amber (>590nm) with extended lead times. Contact factory for details.

##### LED Performance

Predicted lumen depreciation data <sup>1</sup>				
Ambient Temperature (°C)	Driver mA	Calculated L70 hours <sup>1,2</sup>	L70 per TM-21 <sup>2,3</sup>	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.

##### 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 (U0 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.

**CDMG:** Dynadimmer standard dimming functionalities including pre-programmed scenarios to suit many applications and needs from safety to maximum energy savings.

Order Code	Dimming		
	Scenario	Duration	Level
CDMGS25	Safety	4 hours	25%
CDMGS50	Safety	4 hours	50%
CDMGS75	Safety	4 hours	75%
CDMGM25	Median	6 hours	25%
CDMGM50	Median	6 hours	50%
CDMGM75	Median	6 hours	75%
CDMGE25	Economy	8 hours	25%
CDMGE50	Economy	8 hours	50%
CDMGE75	Economy	8 hours	75%

**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.

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

## Ancestra LED Pendant Post Top

### Urban Luminaire

#### Specifications (continued)

#### Luminaire options

**CPT** Copper cupola

**CPTC** Varnished copper cupola



**DA**  
Decorative arches



**DC**  
Decorative cap



**FN1** Decorative finial



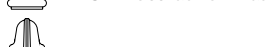
**FN2** Decorative finial



**FN3** Decorative finial



**FN5** Decorative finial



**FN6** Decorative finial



**FN8** Decorative finial



**FN9** Decorative finial



**FN10** Decorative finial

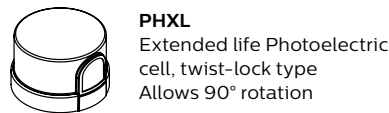
**FNC** Decorative finial painted copper



**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



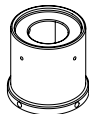
**RC**  
Receptacle  
3-pins



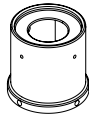
**RCD7**  
Receptacle  
7-pins

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

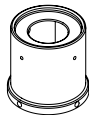
**WC** Without Cupola



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



**TN3**  
3" dia.  
tenon adaptor



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

#### 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

#### 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.

#### Quality control

Manufactured to ISO 9001 2008 standards and ISO 14001-2004 International Quality Standards Certification.

#### 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 2008 standards and ISO 14001-2004 International Quality Standards Certification.

#### Certifications and Compliance

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

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

## Urban Luminaire

### Poles

