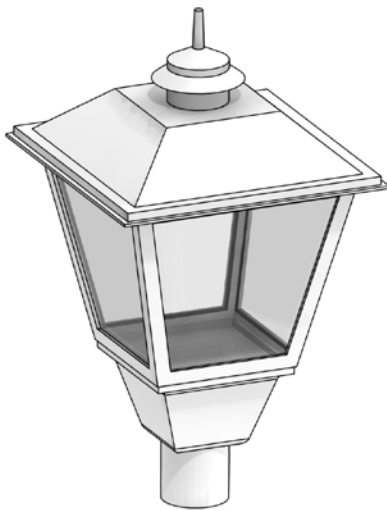


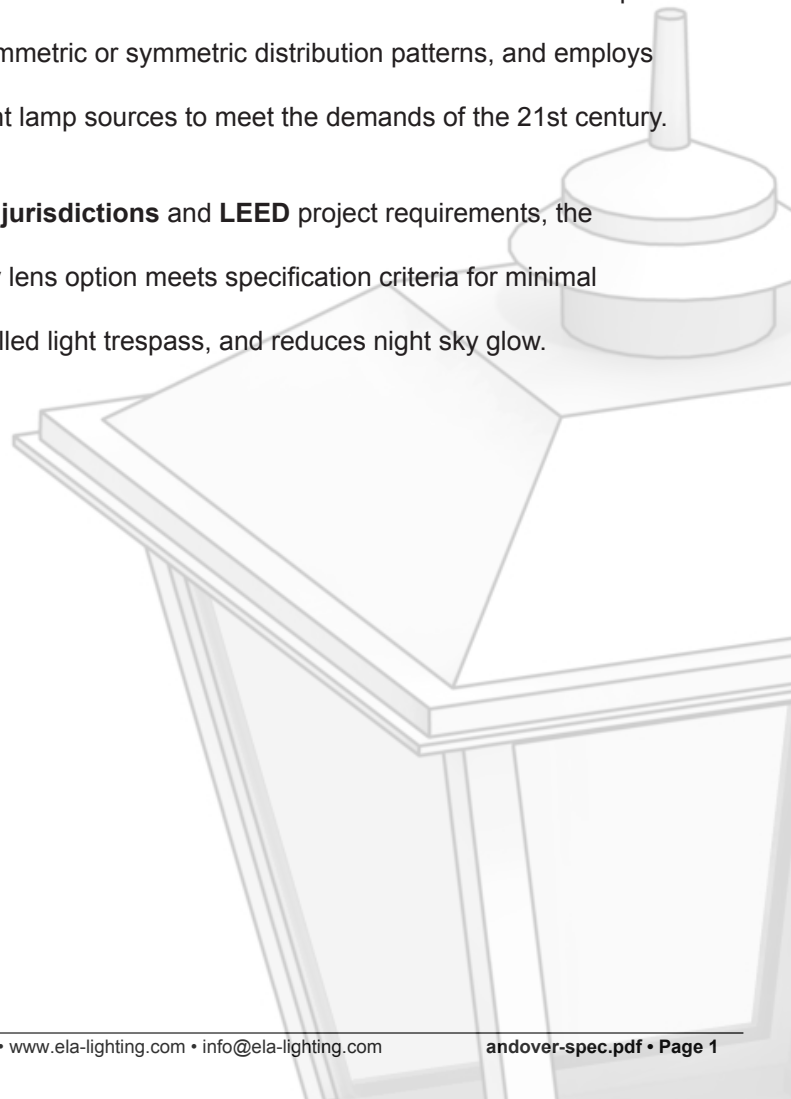
# ANDOVER

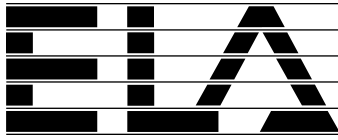


The **Colony Series** is an elegantly proportioned 4-sided traditional lantern that takes one's imagination back to the early days of the original 13 Colonies. The Series features a choice between four distinctive hood styles (**Andover, Bridgeport, Columbia or Delaware**), and three cage/mounting options for post top and multi-arm, pendant, and wall mount configurations.

ELA's Colony Series accommodates either a refractor or reflector optical system in asymmetric or symmetric distribution patterns, and employs energy efficient lamp sources to meet the demands of the 21st century.

For **Dark-Sky jurisdictions** and **LEED** project requirements, the **NEW** dark-sky lens option meets specification criteria for minimal uplight, controlled light trespass, and reduces night sky glow.

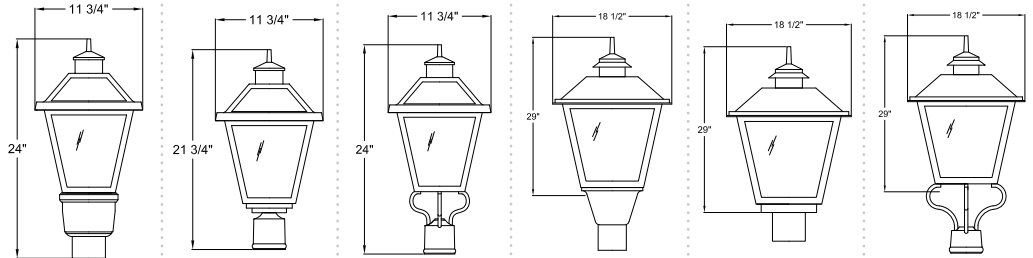




1	2	3	4	5	6	7	8	9
Fixture /	Size /	Mounting /	Optics /	Ballast /	Voltage /	Lens /	Color /	Option
<b>AND</b> /	<b>18BH</b> /	<b>PT</b> /	<b>V5</b> /	<b>100MH</b> /	<b>120</b> /	<b>FG</b> /	<b>CL</b> /	<b>--</b>

**1. Fixture: AND**

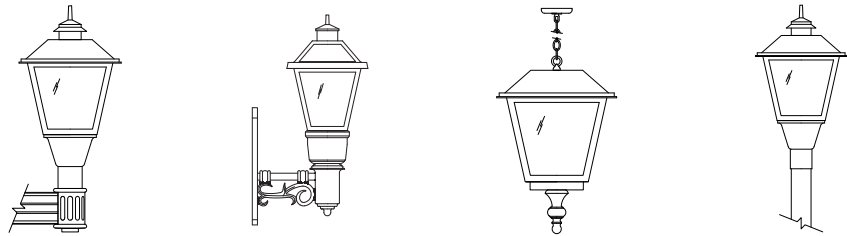
**2. Size**



<b>Matrix #:</b>	<b>12BH</b>	<b>12ST</b>	<b>12CF</b>	<b>18BH</b>	<b>18ST</b>	<b>18CF</b>
<b>Description:</b>	Ballast Housing	Step Housing	Convex Fork	Ballast Housing	Step Housing	Convex Fork
<b>Notes:</b>		Max Wattage 150W			Max Wattage 250W	
<b>EPA:</b>		0.9			1.9	
<b>Weight:</b>		22lbs			32lbs	

NOTE: For Dark Sky options, consult factory.

**3. Mounting**

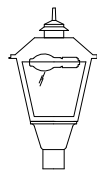


<b>Matrix #:</b>	<b>CA</b>	<b>WB</b>	<b>CP</b>	<b>PT</b>
<b>Description:</b>	Cross Arm	Wall Bracket	Chain Pendant	Post Top

NOTE:  
1) For Poles, Wall Brackets and other mounting options, please consult factory.  
2) When ordering Post Top and Convex, please specify fitter size.

**4. Optics**

**Horizontal**



**Matrix #:** H3  
**Description:** TYPE 3



**Matrix #:** H5  
**Description:** TYPE 5

**Horizontal (Dark Skies)**

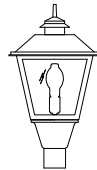


**Matrix #:** DS3  
**Description:** TYPE 3



**Matrix #:** DS5  
**Description:** TYPE 5

**Vertical**



**Matrix #:** V3  
**Description:** TYPE 3



**Matrix #:** V5  
**Description:** TYPE 5

**Vertical (Refractor)**



**Matrix #:** VR3  
**Description:** TYPE 3

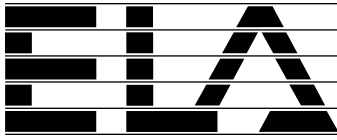


**Matrix #:** VR5  
**Description:** TYPE 5

**5. Ballast**

<b>Description:</b>	Metal Halide	Pulse Start Metal Halide	Incandescent	Compact Fluorescent	Induction Lamp	High Pressure Sodium
<b>Matrix #:</b>	(Watts / Type) T6 39MH T6 70MH T6 150MH	(Watts / Type / Position) 50PSMH (Universal) 70PSMH (Universal) 100PSMH (Universal) 150PSMH (Universal) 175PSMH (Base Up) * 200PSMH (ED17 Base Up, ED28 Vertical) * 250PSMH (ED28 Universal) *	(Watts / Type) INC	(Watts / Type) 18CFL** 26CFL** 32CFL** 42CFL** 57CFL* 60CFL*	(Watts / Type) 55IFL* 85IFL* 165IFL*	(Watts / Type) 50HPS 70HPS 100HPS 150HPS 250HPS* 310HPS*

Note:  
1) Electronic ballast available for 50, 70, 100, 150, 200, and 250 watt MH lamps.  
2) Other wattages available. Consult factory.  
3) \* For 18 Model only.  
4) \*\* Fits 12 Model vertical only, fits 18 Model horizontal and vertical.

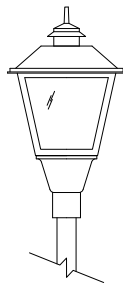


<b>6. Voltage</b>	<b>Matrix #:</b>	<b>120</b>	<b>208</b>	<b>240</b>	<b>277</b>	<b>347</b>	<b>480</b>		
	<b>Description:</b>	120V	208V	240V	277V	347V	480V		
<b>7. Lens</b>									
	<b>Matrix #:</b>	<b>CG</b>	<b>CA</b>	<b>FG</b>	<b>FA</b>	<b>SG</b>	<b>SA</b>	<b>DSCG</b>	<b>DSFG</b>
	<b>Description:</b>	Clear Glass	Clear Acrylic	Frosted Glass	Frosted Acrylic	Seedy Glass	Seedy Acrylic	Flat Tempered Clear Glass	Flat Tempered Frosted Glass
<i>Note: For other lens options, consult factory.</i>									

<b>8. Color</b>	<b>Powder Coat Finish</b>					<b>Hand-Applied Finish</b>				
	<b>Matrix #</b>	<b>Description</b>	<b>Matrix #</b>	<b>Description</b>	<b>Matrix #</b>	<b>Description</b>				
	<b>AG</b>	Augustine Green	<b>PW</b>	Pewter	<b>CH</b>	Cracked Hide				
	<b>CL</b>	Clay	<b>SS</b>	Sand Storm	<b>LV</b>	Light Verde				
	<b>DB</b>	Dark Bronze	<b>SB</b>	Statuary Bronze	<b>OR</b>	Old Iron				
	<b>HP</b>	Hammered Pewter	<b>VL</b>	Village Green	<b>R</b>	Rust				
	<b>MG</b>	Malaga Green	<b>W</b>	White	<b>V</b>	Verde				
	<b>MN</b>	Midnight	<b>CC</b>	Charcoal						
<i>Note: For custom colors, consult factory.</i>										

<b>9. Options</b>							
	<b>Matrix #:</b>	<b>BBU</b>	<b>PCB</b>	<b>PCR</b>	<b>TB</b>	<b>HSS</b>	<b>CH</b>
	<b>Description:</b>	Battery Backup	Photocell Button	Photocell receptacle Twist Lock by others	Terminal Block	House Side Shield	Chimney
<b>Note:</b> 1) BBU option is available for fluorescent lamp only. 2) Test button location shall have visibility for testing on site. Consult factory of placement. <b>Photocell Options:</b> Photocell is available in 120 thru 480 volts. Photocell receptacle only fits some cross arms. Consult factory. Specify when ordering.							

**Fixture Ordering Example:**



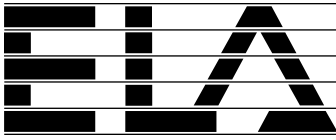
AND/18BH/PT/V5/100MH/120/FG/CL

1	2	3	4	5	6	7	8	9
Fixture	Size	Mounting	Optics	Ballast	Voltage	Lens	Color	Option
AND	18BH	PT	V5	100MH	120	FG	CL	-
Andover Fixture	18 Ballast housing	Post Top	Vertical Type 5	100 Watt Metal Halide	120 Volts	Frosted Glass	Clay	-

**Fixture Ordering Form:**

1	2	3	4	5	6	7	8	9	9	9
Fixture	Size	Mounting	Optics	Lamp	Voltage	Lens	Color	Option	Option	Option

1. AND /        /        /        /        /        /        /        /        /        /



# Specifications

**Fixture Housing:** One-piece sand-cast. Housing shall be corrosion resistant cast aluminum alloy #A356. The housing shall be free of any foreign materials or cosmetic fillers. Standard fitters shall slip over 3" and 4" poles, for other options please consult factory. For wall and arm mounts, consult factory for installation.

**Optics:** Units shall be hydroformed or segmented sharp cut-off optics. Specular Alzak® optical segments are rigidly mounted within a sand-cast, low copper (<0.6% Cu) aluminum alloy enclosure. All sockets are factory prewired; an optional quick-disconnect plug for the ballast module is available when specified. The optical segments are positioned so that reflected light does not pass through the lamp arc tube to achieve maximum lamp output.

**Electrical Module:** All electrical components are UL and CSA recognized, mounted on a single plate and factory prewired.  
*Reference pages 6 and 7 for lamp characteristics, ballast types and voltage technical data.*

**Lens:** Four side panels with stainless steel clips provided for attachment to the fixture. Glass shall be sealed in field by others. The Dark-Sky lens options shall be tempered glass, factory installed.

**Finish/Color:** Finish is Super TGIC thermoset polyester powder coat paint, 2.5 mil nominal thickness, applied over a titanated zirconium conversion coating; A.S.T.M. 2500 hour salt spray test endurance rating. ELA offers twelve standard colors. Custom powder coat and hand-applied colors are available.

**Certification:** Fixtures shall be listed for outdoor, wet location. UL1598. IP rating 66.

**CAUTION:** Fixtures must be grounded in accordance with national, state, and/or local codes. Failure to do so may result in serious personal injury.

**ELA RESERVES THE RIGHT TO CHANGE SPECIFICATIONS WITHOUT NOTICE.**

# Elevated Scale

Suggested Poles and Arms for the Andover Fixture



<b>Fixture :</b>	AND12	AND12	AND18	AND18	AND18		AND18	AND12	AND18
<b>Arm :</b>	BR26	--	--	CR4B	CR2A		--	--	BR7
<b>Pole:</b>		P3009A-8'	P3016A-10'	P3025D-16'	P3042B-16'		P3012A-12'	PM607	
<b>Options :</b>									

Note: Modifications to the fixture and additional pole heights are available