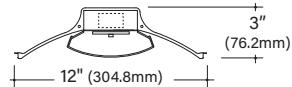


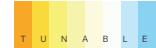
# ADEO AD14

## 1x4 Architectural Recessed



### Key Features

- Formed 20 gauge cold rolled steel housing
- Highly reflective die-formed white painted reflector
- Wiring access available on top of housing
- LED offered with a 5-year limited warranty. Covers LED, driver and fixture
- UL and cUL Listed, LO, MO, and HO lumen packages are IC Rated
- Approved for dry/damp location unless otherwise noted
- Room-Side Maintenance for LED system



QUICKSHIP

Example Part #: AD14-A-830HO-G1-U-FSD-1-0-W

### AD14

SHIELDING CRI, CCT & OUTPUT MOUNTING VOLTAGE DRIVER CIRCUITING BATTERY & EMERGENCY FINISH FIXTURE OPTIONS CONTROLS

---	---	---	---	---
<b>SHIELDING</b>		<b>SOURCE QS<sup>1,2</sup></b>		<b>MOUNTING</b>
<b>A</b> - Satine Lens QS <sub>1</sub> <b>R</b> - Round Perf <b>L</b> - Linear Perf Shielding pg. 2		<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K <b>TW</b> - 2CH Tunable White (2700-6500K, 90CRI) <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <b>MOD</b> - Mod options available Lumen Output pg. 2-3	<b>G1</b> - 15/16" Grid QS <sub>1</sub> <b>G9</b> - 9/16" Grid QS <sub>1</sub> <b>GS</b> - Screw Slot Grid QS <sub>1</sub> <b>FL</b> - Flanged <b>S</b> - Surface Mount Mounting pg. 3	<b>VOLTAGE<sup>3</sup></b>  <b>U</b> - Universal (120 thru 277V) QS <sub>1</sub> <b>1</b> - 120V QS <sub>1</sub> <b>2</b> - 277V QS <sub>1</sub> <b>3</b> - 347V Voltage pg. 3
---	---	---	---	---
<b>DRIVER</b>		<b>CIRCUITING<sup>4</sup></b>		<b>BATTERY &amp; EMERGENCY</b>
<b>FSD</b> - Factory Select Driver (1%, 0-10v) QS <sub>1</sub> <b>PL2</b> - Advance Xitanium (1%, 0-10v) <b>OL2</b> - eldoLED Optotronic (1%, 0-10v) <b>OL4</b> - eldoLED Optotronic 347v (1%, 0-10v) <b>EE1</b> - eldoLED ECODrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0.1%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1% EcoSystem) <b>PS1</b> - Advance Xitanium (50%/100%) <b>MOD</b> - Mod options available Driver pg. 4	<b>1</b> - Single Circuit QS <sub>1</sub> <b>E</b> - Emergency (entire fixture) QS <sub>1</sub> <b>N</b> - Night Light (entire fixture) QS <sub>1</sub> Circuiting pg. 4	<b>0</b> - None QS <sub>1</sub> <b>FSB</b> - Factory Select Battery QS <sub>1</sub> <b>FSG</b> - Factory Select ALCR <b>GI</b> - Iota ETS DR <b>GB</b> - Bodine GTD <b>1IC</b> - Iota 10W, CEC Listed <b>1P</b> - Bodine 10W QS <sub>1</sub> Battery and Emergency pg. 4	<b>FINISH</b>  <b>W</b> - White QS <sub>1</sub> <b>MOD</b> - Mod options available Finish pg. 5	
---	---	---	---	---
<b>FIXTURE OPTIONS<sup>5</sup></b>		<b>CONTROLS</b>		
<b>QS</b> - QuickShip QS <sub>1</sub> <b>TW</b> - Through-wiring <b>CP</b> - Chicago Plenum QS <sub>1</sub> <b>AM</b> - Antimicrobial Paint <b>AR</b> - Air Return <b>FW6</b> - 6' Flex Whip QS <sub>1</sub> <b>GLR</b> - Fast Blow Fusing <b>DSP</b> - Customer Supplied Battery/Driver/Sensor <b>GMF</b> - Slow Blow Fusing <b>MOD</b> - Mod options available Fixture Options pg. 5-6		<b>MOD</b> - Mod options available Controls pg. 6		

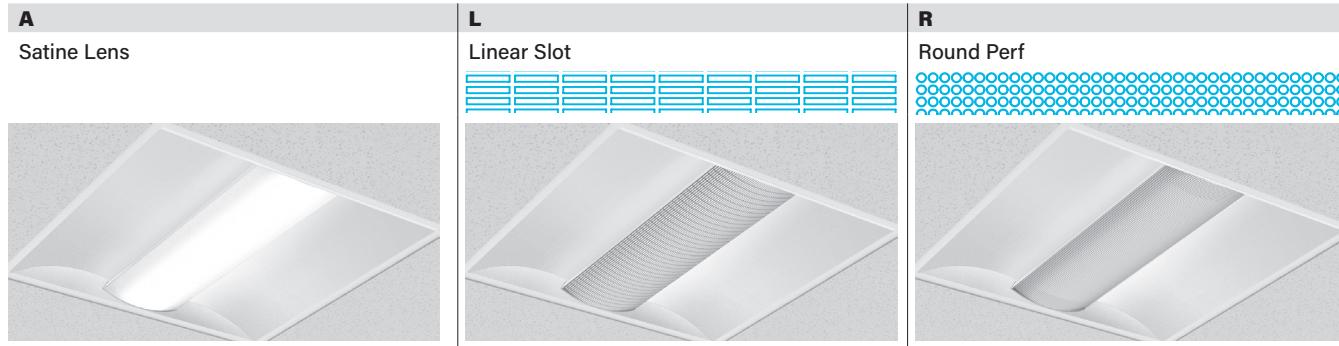
<sup>1</sup>When specifying SOURCE the first \_ is for specifying either **8** - 80CRI, **9** - 90CRI. The ending \_ \_ are for specifying output, example 835HO - 80CRI, 3500K High Output. See output charts for more information. <sup>2</sup>When specifying Tunable White, use **TW** and then specify output, example TWHO - Tunable White 90CRI, High Output 2700-6500K. See output charts for more information. Tunable White option requires driver option **FSD** which provides separate 0-10v control leads for Intensity and CCT. <sup>3</sup>Tunable White (**TW**) option only available with Universal (**U**), 120V (**1**) or 277V (**2**) options. <sup>4</sup>Consult factory for Emergency (**E**) or Night Light (**N**) options with Tunable White option. <sup>5</sup>If specifying QuickShip, **QS** must be used in fixture options section of part number to qualify.

Specifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](http://pinnacle-ltg.com) are the most recent version and supersede all other previously printed or electronic versions.



## Shielding

- Captive and hinged center lens
- Co-extruded acrylic lens with ribbed side channels evenly illuminates the side reflector giving the appearance of a fully lensed luminaire
- Highly reflective die-formed white painted reflector
- Wiring access available on top of housing



## Output

- Specify either 80 or 90 CRI for White light LED
- Longer lead-time may apply for 90 CRI or Tunable White option. Consult factory
- Tunable White option requires driver option FSD which provides separate 0-10v control leads for Intensity and CCT.
- Tunable White lumen packages shown at 4000K CCT setpoint
- 90 CRI = R9≥50

## Custom Output- Lumens OR Wattage

CL_____	Specify CRI, CCT and desired lumens (i.e. CL8351200)	Specify lumens between standard offering listed below. Lumens are specified per color temp
CW_____	Specify CRI, CCT and desired wattage (i.e. CW94015)	Specify watts between standard offering listed below
CLTW_____	Specify desired lumens for Tunable White (i.e. CLTW3200)	Specify lumens between Tunable White offering listed below. Lumens are specified at 4000K CCT setpoint.

## 80 CRI

	Color	Output	Watts	Shielding		L	R
				A	Linear Slot		
830LO	3000K	Low	15.6	Satine Lens	Lumens	LPW	
		Middle	23.7	2201	141	1307	84
		High	33.4	3303	139	1962	1118
830MO	3500K	Low	15.6	4577	137	2718	72
		Middle	23.7	2210	142	81	1678
		High	33.4	3317	140	83	2325
835LO	4000K	Low	15.6	4596	138	1313	70
		Middle	23.7	2269	145	84	1123
		High	33.4	3406	144	82	2335
840LO		Low	15.6	4719	141	1348	74
		Middle	23.7	2803	145	86	1153
		High	33.4	3006	127	85	1730
840MO		Low	15.6	4165	125	2803	73
		Middle	23.7	2928	124	84	2397
		High	33.4	4057	121	2803	72

## 90 CRI

927LO	2700K	Low	15.6	1825	117	1084	69	927	59
927MO		Middle	23.7	2739	116	1627	69	1391	59
927HO		High	33.4	3795	114	2254	67	1928	58
930LO	3000K	Low	15.6	1869	120	1110	71	950	61
930MO		Middle	23.7	2806	118	1666	70	1425	60
930HO		High	33.4	3888	116	2309	69	1975	59
935LO	3500K	Low	15.6	1951	125	1159	74	991	64
935MO		Middle	23.7	2928	124	1739	73	1487	63
935HO		High	33.4	4057	121	2410	72	2061	62
940LO	4000K	Low	15.6	2003	128	1189	76	1017	65
940MO		Middle	23.7	3006	127	1785	75	1527	64
940HO		High	33.4	4165	125	2474	74	2116	63

## 2 CH Tunable White (2700-6500K, 90CRI)

TWLO	2700 - 6500K	Low	20.9	2200	105.5	1330	63.8	1138	54.5
TWMO		Middle	31.5	3300	104.8	1960	62.3	1676	53.2
TWHO		High	45.1	4500	99.8	2724	60.4	2330	51.7

Specifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](http://pinnacle-ltg.com) are the most recent version and supersede all other previously printed or electronic versions.

Designed in Denver, CO • USA | [pinnacle-ltg.com](http://pinnacle-ltg.com) | O: 303-322-5570 F: 303-322-5568

AD14\_LED\_SPEC\_JANUARY2026



## Direct Source: MOD Options

- Specify **MOD** in the part number for any of the below options
- All RGB\_Source Options will require specific driver and control

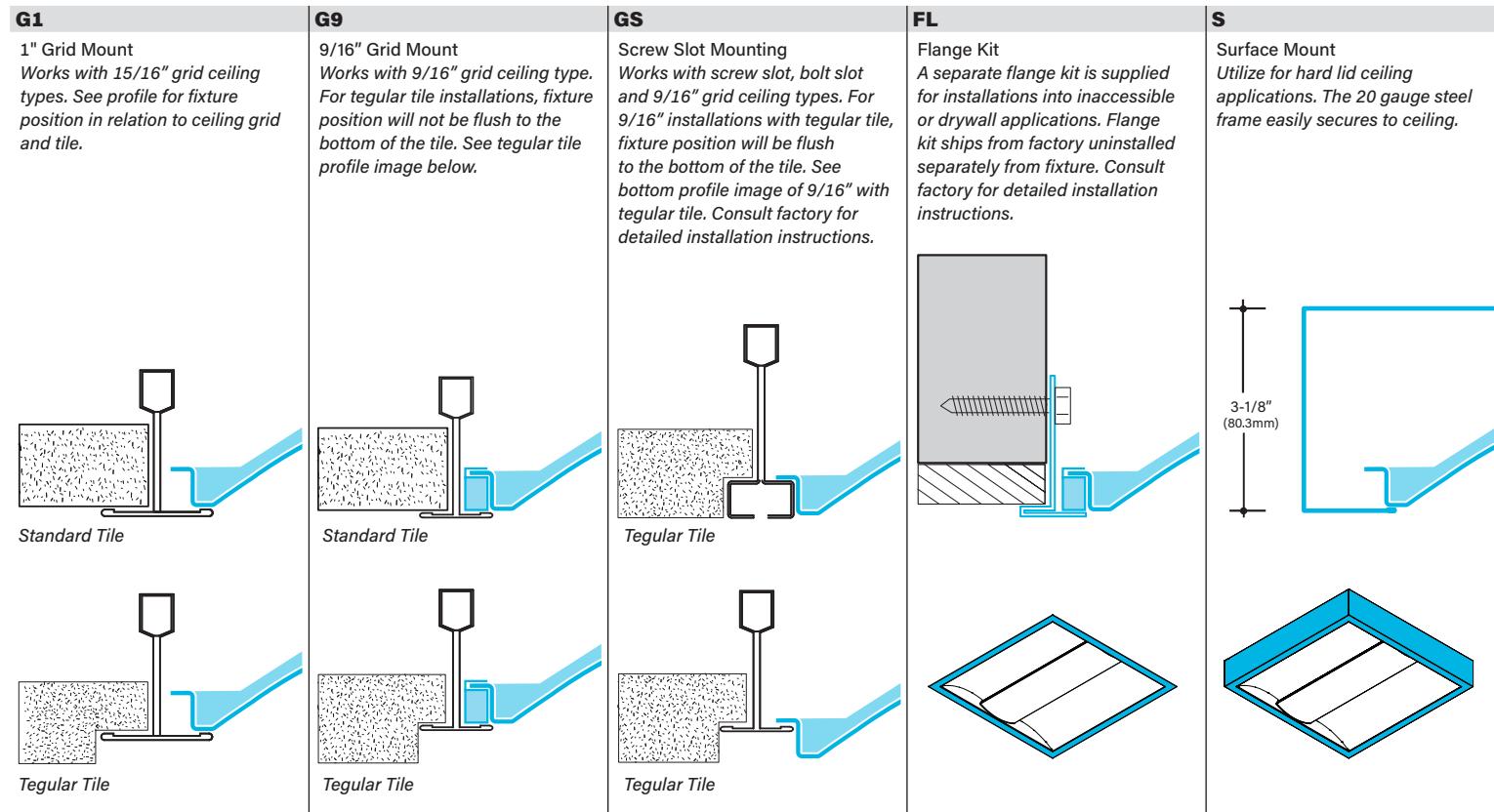
- Consult factory for **MOD** specification details, pricing, and lead-time information

<b>MOD</b>	Color Changing RGB LED	RQD Driver EC1	RQD Control DMX
	Color Changing RGB-W LED	EC1	DMX

## Mounting

- Designed to install into acoustical grid and inaccessible ceilings
- Grid retention clips integral to housing and require mechanical attachment
- Tie off fixture to structure with retention wires

- Maximum fixture weight is 15 lbs - Surface Mount Box adds 10 lbs
- Refer to installation instructions during installation at the job site
- Approved for dry/damp location unless otherwise noted



## Voltage

- Some ADEO configurations will not accommodate all voltage options; consult with factory
- 347 volt not available with Tunable White (TW) option

<b>U</b>	Universal
<b>1</b>	120 volt
<b>2</b>	277 volt
<b>3</b>	347 volt



## Driver

- Standard Driver Option = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more Driver options, see Pinnacle Resource Guide

- Some ADEO configurations will not accommodate all driver options; consult with factory

### 0-10V Drivers

<b>FSD</b>	Factory Select Driver 1%, 0-10v
<b>PL2</b>	Advance Xitanium 1%, 0-10v
<b>PL4</b>	Advance Xitanium 347v 1%, 0-10v, requires 347v
<b>OL2</b>	eldoLED Optotronic, 1%, 0-10v
<b>OL4</b>	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v, Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v, Linear
<b>ES1</b>	eldoLED SOLOdrive 0.1%, 0-10v, Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0.1%, 0-10v, Linear
<b>OL5</b>	eldoLED Optotronic 1%, 0-10v, AUX , Dim to Off
<b>PL5</b>	Advance Xitanium 1%, 0-10v, AUX, Dim to Off

### DALI Drivers

<b>EE3</b>	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
<b>ES3</b>	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6
<b>OD1</b>	eldoLED Optotronic 1%, DEXAL, DALI 2, DT6, Self powered link
<b>PR1</b>	Advance Xitanium SR, DALI 2, Self powered link

### Lutron Drivers

<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
------------	---

### Alternate Drivers

<b>PS1</b>	Advance Xitanium Step Dimming 50%/100%
<b>EH1</b>	ERP 1%, Line Voltage and ELV, requires 120v

## Drivers: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

**MOD** Power Over Ethernet

## Circuiting

- Select fixture circuiting from options below
- Some ADEO configurations will not accommodate all circuiting options; consult with factory
- Consult factory for Emergency (E) or Night Light (N) circuit with Tunable White (TW) option

<b>1</b>	Single Circuit
<b>E</b>	Emergency Circuit only
<b>N</b>	Night Light Circuit only



## Battery & Emergency

- Select battery or emergency options if required
- Battery duration is 90 minutes
- For Tunable White (TW) option battery with illuminate 6500K LED unless otherwise specified

- Test button is integral to fixture
- For more Battery options, see Pinnacle Resource Guide
- Consult factory for Emergency Control Devices with Tunable White (TW) option

<b>0</b>	No Battery
<b>FSB</b>	Factory Select Battery (10w option)
<b>FSBST</b>	Factory Select Battery (10w, Self Testing)
<b>FSG</b>	Factory Select ALCR Emergency Control Device, UNV
<b>GI</b>	Iota ETS-DR, Emergency Control Device, UNV
<b>GB</b>	Bodine GTD, Generator Transfer Device, 120v or 277v
<b>1ILL</b>	Iota 10w Integral Lithium, Self Testing
<b>1PLL</b>	Bodine 10w Integral Lithium, Self Testing

### Battery & Emergency Ordering Examples

- Single circuit, 10w integral battery
- Emergency circuit only, 10w integral battery

Ordering Code: 1-1FSB  
Ordering Code: E-1FSB

### For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 10 (watts) x 92.3 (LPW) = 923 battery lumen output

## Finish

- Powder-coat white painted finish on exposed trim

**W** White

## Finish: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

<b>MOD</b>	Wood Grain
	Metallic Silver
	Textured Black
	Bronze
	Graphite
	Custom Color
	Natural

## Fixture Options

- Additional options to enhance the fixture and finish of the product

<b>QS</b>	Quick Ship
<b>TW</b>	Through-Wiring
<b>CP</b>	Chicago Plenum
<b>AM</b>	Antimicrobial Paint
<b>AR</b>	Air Return
<b>FW6</b>	Flex Whip 6'
<b>GLR</b>	Internal Fast Blow Fuse
<b>DSP</b>	Customer Supplied Battery/Driver/Sensor
<b>GMF</b>	Internal Slow Blow Fuse

## Fixture Options: MOD Options

- Specify **MOD** in the part number for any of the below options
- Consult factory for **MOD** specification details, pricing, and lead-time information

<b>MOD</b>	Remote Driver
	End Power Feed



## Quick Ship

	CRI, CCT & Output		Mounting		Voltage		Driver		Circuiting		Battery		Finish		Options	
<b>10-Day</b>																
<b>A</b>	80 CRI, All color temperatures, all lumen packages See pg 4&5	<b>G1</b> <b>G9</b> <b>GS</b>	1" Grid 9/16" Grid Screw Slot	<b>U</b> <b>1</b> <b>2</b>	Universal 120V 277V	<b>FSD</b>	Factory Select Driver (1%, 0-10v)		<b>1</b> <b>E</b> <b>N</b>	Single Emergency Night Light	<b>0</b> <b>FSB</b>	None Factory Select Battery	<b>W</b>	White	<b>CP</b> <b>FW6</b> <b>GLR</b>	Chicago Plenum Flex Whip 6' 18-gauge Internal Fast-Blow Fuse

Consult Factory for projects that are larger than 200 units.

## Controls

- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

## Controls: MOD Options

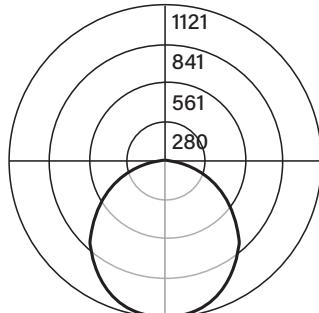
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

<b>MOD</b>	Wattstopper PLUS SensiLUM Lutron Athena Sensor Lutron Athena Connected	Ordering Code	Required Driver
		SNSLM	OD1, OL5
	AWNS	AWNS	OD1, PR1, OL5, PL5
	AWNR	AWNR	OD1, PR1, OL5, PL5

## Photometrics

## Satine Lens

Test #	ITL88948
Catalog #	AD14A-840MO
Lumens	3331 lm
Watts	26 W
Efficacy	128 LPW



## Candela Distribution

Vert Angle	Horizontal Angle					Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
	0	22.5	45	67.5	90				
0	1121	1121	1121	1121	1121	45	3062	3204	3296
5	1115	1116	1116	1117	1117	55	2928	3145	3289
10	1100	1099	1103	1104	1103	65	2733	3069	3266
15	1074	1071	1080	1084	1082	75	2403	2884	3032
20	1039	1034	1047	1053	1053	85	1869	2549	2888
25	993	988	1006	1014	1015				
30	938	936	956	967	968				
35	876	876	898	912	916				
40	806	810	835	851	855				
45	731	739	765	781	787				
50	651	663	690	707	715				
55	567	581	609	628	637				
60	480	497	525	545	555				
65	390	409	438	458	466				
70	299	320	347	364	373				
75	210	231	252	264	265				
80	125	143	156	169	173				
85	55	63	75	85	85				
90	0	0	0	0	0				

For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com). Photometry testing in accordance to IESNA-LM-79-08 at an NVLAP or IAS accredited testing laboratory. Testing conducted at 25°C ambient conditionsSpecifications and dimensions subject to change without notice. Specification sheets that appear on [pinnacle-ltg.com](http://pinnacle-ltg.com) are the most recent version and supersede all other previously printed or electronic versions.Designed in Denver, CO • USA | [pinnacle-ltg.com](http://pinnacle-ltg.com) | O: 303-322-5570 F: 303-322-5568

AD14\_LED\_SPEC\_JANUARY2026



## Applications & Certificates

**Construction:** Formed 20 gauge cold rolled steel housing. Highly reflective die-formed white painted reflector. Wiring access available on top of housing. Captive and hinged center lens swings open for room-side maintenance of lens, driver and LED boards.

**Shielding:** Co-extruded acrylic lens with ribbed side channels evenly illuminates the side reflector giving the appearance of a fully luminous aperture. Available with standard satiné lens or optional clear lens with linear slot or round perf insert.

**Mounting:** Designed to install into acoustical grid and inaccessible ceilings. Specify G1, G9 or GS for acoustical grid ceiling. Specify FL for inaccessible ceilings. Grid retention clips integral to housing and require mechanical attachment. Tie off fixture to structure with retention wires.

**White LED:** 25°C test environment. Lumen output/wattage has a margin of +/- 5%. Luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. Lifetime calculated using IES TM-21. Minimum lifetime greater than 60,000 hours. L70 = 123,100 hours and L90 = 36,700 hours. MacAdam 3-Step Ellipses. Not all products are lighting facts listed. For all available IES files, please visit our website at [pinnacle-ltg.com](http://pinnacle-ltg.com).

**Tunable White LED:** 2 channel solution with 2700K and 6500K LED, 90CRI only, R9 >50. Lumen packages available shown at 4000K CCT setpoint, lumen output varies based on CCT. Use multipliers for other CCT; 2700K = .91 3000K = .93 3500K = .97 4000K = 1.0 5000K = 1.044 6500K = 1.078.

**CRI, CCT & Output:** Four lumen packages available. Low (LO), Medium (MO), High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on Color Temperature & Output page. 80 CRI is available for 3000K, 3500K, and 4000K. 90 CRI is available for 2700K, 3000K, 3500K, and 4000K. 90 CRI = R9 ≥ 50.

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify OL4 in Driver section when 347 volt (3) is selected. Some ADEO configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Advance Xitanium 0-10V, 1% = PL2. Electronic driver, Power factor is >0.9 with a THD <20%. Driver Lifetime: 50,000 hours at 25°C ambient operating conditions. Ambient operating range: -20°F/-30°C to 91°F/33°C. For more driver options, see Pinnacle Resource Guide. Some ADEO configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), Emergency circuit (E) or Night Light circuit (N). Some ADEO configurations will not accommodate all circuiting options, consult with factory.

**Battery & Emergency:** Select battery or emergency options if required. If battery or emergency option is not required, enter 0. Battery duration is 90 minutes as standard. Test button is integral to fixture. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Powder-coat white painted finish on exposed trim.

**Controls:** Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.

**Labels:** UL and cUL 1598 listed. LO, MO, HO and VHO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

**Fixture Weight:** 15 lbs maximum - Surface mount box adds 10 lbs

**Warranty:** ADEO LED offered with a 5-year limited warranty. Covers LED, driver and fixture.