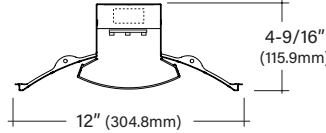


# ADEO AD11

## 1x1 Architectural Recessed



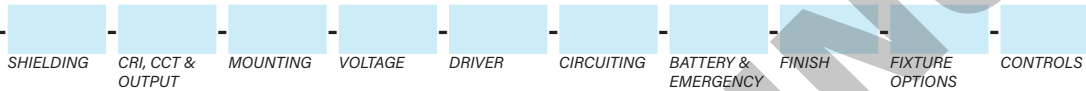
### Key Features

- 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
- Maximum fixture weight is 12 lbs - Surface Mount Box adds 10 lbs
- Room-Side Maintenance for LED system
- Buy American Act compliant



Example Part #: AD11-A-830HO-G1-U-OL1-1-0-W

### AD11



SHIELDING	SOURCE	MOUNTING	VOLTAGE
<b>A</b> - Satine Lens <b>R</b> - Round Perf <b>L</b> - Linear Perf <i>Shielding pg. 2</i>	<b>27</b> - 2700K <b>30</b> - 3000K <b>35</b> - 3500K <b>40</b> - 4000K <b>CL</b> - Custom Lumens <b>CW</b> - Custom Watts <b>MOD</b> - Mod options available <i>Lumen Output pg. 2</i>	<b>G1</b> - 15/16" Grid <b>G9</b> - 9/16" Grid <b>GS</b> - Screw Slot Grid <b>FL</b> - Flanged <b>S</b> - Surface Mount <i>Mounting pg. 3</i>	<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <b>3</b> - 347V <i>Voltage pg. 3</i>
DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH
<b>FSD</b> - Factory Select Driver (1%, 0-10v) <b>PL2</b> - Advance Titanium (1%, 0-10v) <b>OL2</b> - Osram (1%, 0-10v) <b>OL4</b> - Osram 347v (1%, 0-10v) <b>LH1</b> - Lutron Hi-Lume (1% EcoSystem) <b>MOD</b> - Mod options available <i>Driver pg. 3</i>	<b>1</b> - Single Circuit <b>E</b> - Emergency (entire fixture) <b>N</b> - Night Light (entire fixture) <i>Circuiting pg. 4</i>	<b>0</b> - None <b>FSG</b> - Factory Select ALCR <b>GI</b> - Iota ETS DR <b>GB</b> - Bodine GTD <b>1PRL</b> - Bodine 7W Remote <i>Battery and Emergency pg. 4</i>	<b>W</b> - White <b>MOD</b> - Mod options available <i>Finish pg. 4</i>
FIXTURE OPTIONS	CONTROLS		
<b>TW</b> - Through-Wiring <b>CP</b> - Chicago Plenum <b>AM</b> - Antimicrobial Paint <b>FW6</b> - 6' Flex Whip <b>GLR</b> - Internal Fast Blow Fusing <b>DSP</b> - Customer Supplied Battery/Driver/Sensor <b>GMF</b> - Internal Slow Blow Fusing <b>MOD</b> - Mod options available <i>Fixture Options pg. 4</i>	<b>MOD</b> - Mod options available		

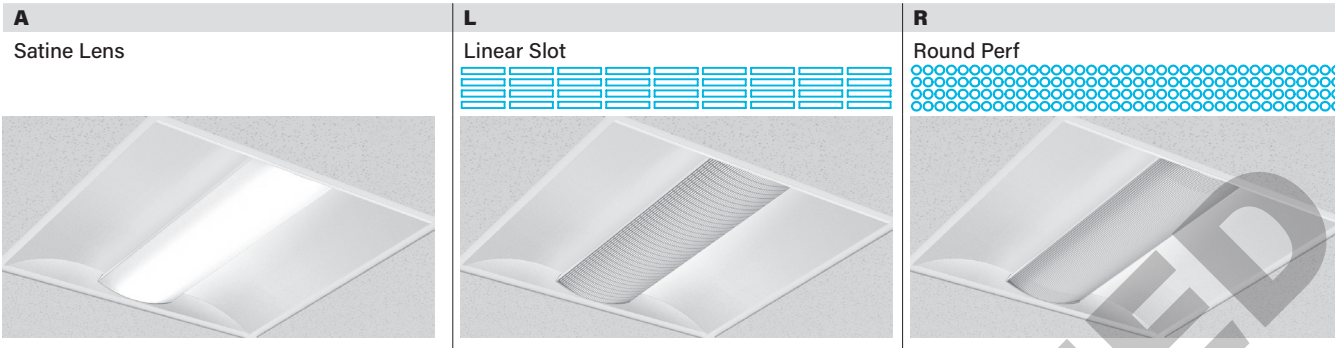
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## Shielding

- 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

### Ordering Code



## Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory.
- 90 CRI = R9≥50

## Custom Output- Lumens OR Wattage

<b>CL</b> _____	Specify CRI, CCT and desired lumens (i.e. CL835600)	Specify lumens between standard offering listed below. Lumens are specified per color temp
<b>CW</b> _____	Specify CRI, CCT and desired wattage (i.e. CW94010)	Specify watts between standard offering listed below

### 80 CRI

	Color	Output	Watts	Shielding A Satine Lens		L Linear Slot		R Round Perf	
				Lumens	LPW	Lumens	LPW	Lumens	LPW
<b>830LO</b>	3000K	Standard	11.3	883	78.1	524	46.4	448	39.7
<b>830HO</b>	3000K	High	24.9	2088	83.8	1240	49.8	1061	42.6
<b>835LO</b>	3500K	Standard	11.3	908	80.4	539	47.7	461	40.8
<b>835HO</b>	3500K	High	24.9	2148	86.3	1276	51.2	1091	43.8
<b>840LO</b>	4000K	Standard	11.3	925	81.9	550	48.6	470	41.6
<b>840HO</b>	4000K	High	24.9	2189	87.9	1300	52.2	1112	44.7

### 90 CRI

<b>927LO</b>	2700K	Standard	11.3	697	61.7	414	36.7	354	31.3
<b>927HO</b>	2700K	High	24.9	1650	66.3	980	39.4	838	33.7
<b>930LO</b>	3000K	Standard	11.3	813	71.9	483	42.7	413	36.5
<b>930HO</b>	3000K	High	24.9	1923	77.2	1142	45.9	977	39.2
<b>935LO</b>	3500K	Standard	11.3	817	72.3	485	42.9	415	36.7
<b>935HO</b>	3500K	High	24.9	1932	77.6	1148	46.1	981	39.4
<b>940LO</b>	4000K	Standard	11.3	826	73.1	491	43.4	420	37.1
<b>940HO</b>	4000K	High	24.9	1953	78.4	1160	46.6	992	39.8

## Direct Source: MOD Options

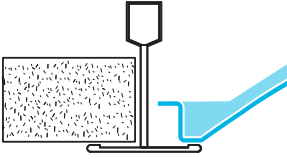
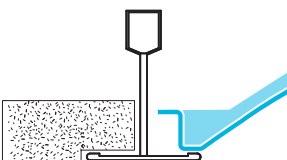
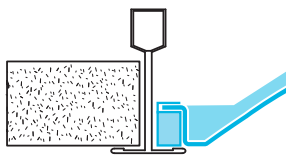
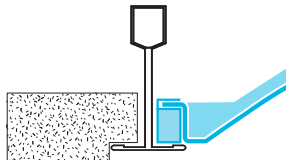
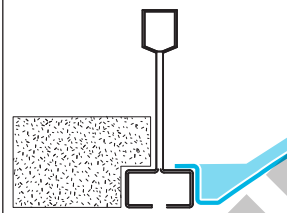

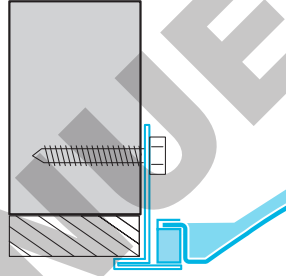
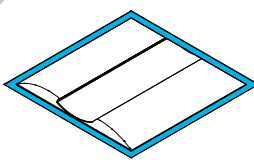
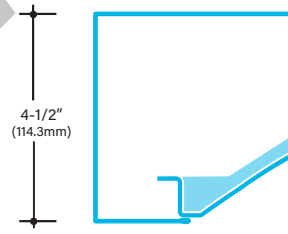
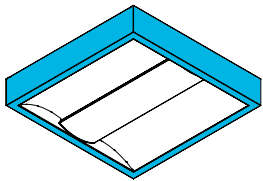
- Specify **MOD** in the part number for any of the below options
- All RGB\_Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

		Required Driver	Required Control
<b>MOD</b>	Color Changing RGB LED	EC1/EC4	DMX
	Color Changing RGB-W LED	EC1/EC4	DMX
	2 Channel Tunable White		
	Dynamic BIOS		



## 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 12 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

G1	G9	GS	FL	S
<p><b>1" Grid Mount</b> Works with 15/16" grid ceiling types. See profile for fixture position in relation to ceiling grid and tile.</p>  <p>Standard Tile</p>  <p>Tegular Tile</p>	<p><b>9/16" Grid Mount</b> Works with 9/16" grid ceiling type. For tegular tile installations, fixture position will not be flush to the bottom of the tile. See tegular tile profile image below.</p>  <p>Standard Tile</p>  <p>Tegular Tile</p>	<p><b>Screw Slot Mounting</b> Works with screw slot, bolt slot and 9/16" grid ceiling types. For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile. See bottom profile image of 9/16" with tegular tile. Consult factory for detailed installation instructions.</p>  <p>Tegular Tile</p>  <p>Tegular Tile</p>	<p><b>Flange Kit</b> A separate flange kit is supplied for installations into inaccessible or drywall applications. Flange kit ships from factory uninstalled separately from fixture. Consult factory for detailed installation instructions.</p>  	<p><b>Surface Mount</b> Utilize for hard lid ceiling applications. The 20 gauge steel frame easily secures to ceiling.</p>  <p>4-1/2" (114.3mm)</p> 

## Voltage

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

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

## Driver

- Standard Driver Option = PL2
- 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>OL2</b>	Osram Optotronic, 1%, 0-10v
<b>OL4</b>	Osram Optotronic 347v, 1% 0-10v (requires 347v)
<b>EE1</b>	eldoLED ECOdrive 1%, 0-10v Logarithmic
<b>EE2</b>	eldoLED ECOdrive 1%, 0-10v Linear
<b>ES1</b>	eldoLED SOLOdrive 0-10v, 0.1% Logarithmic
<b>ES2</b>	eldoLED SOLOdrive 0-10v, 0% Linear
<b>OL5</b>	Osram Optotronic 1%, 0-10v, AUX
Lutron Drivers	
<b>LH1</b>	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
Alternate Drivers	
<b>EH1</b>	ELV 120v only, 0-10v universal

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### 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

<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
- Test button is remote
- For more Battery options, see Pinnacle Resource Guide

<b>0</b>	No Battery
<b>FSG</b>	Factory Select Automatic Load Control Relay (ALCR), UNV
<b>GI</b>	Emergency Transfer Switch (ETS) DR Emergency Control Device, UNV
<b>GB</b>	Bodine GTD, Generator Transfer Device, 120v or 277v
<b>1IRC</b>	Iota 10w Remote
<b>1PRS</b>	Bodine 7w Remote, Self Testing
<b>1PRD</b>	Bodine 10w Remote, Dual Flex

#### For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- 7 (watts) x 80.4 (LPW) = 563 battery lumen output

#### Battery & Emergency Ordering Examples

- Single circuit, 7w remote battery  
Ordering Code: 1-1PRL
- Emergency circuit only, 7w remote battery  
Ordering Code: E-1PRL

### 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>TW</b>	Through-Wiring
<b>CP</b>	Chicago Plenum
<b>AM</b>	Antimicrobial Paint
<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

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## Controls

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

## Controls: MOD Options

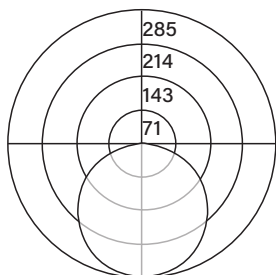
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Required Driver	
	Encelium Sensilum	OD1, OL5
	Enlighted (Wireless) - ENLI	Any 0-10v
	Enlighted (Wireless) - ENLC	Any 0-10v

## Photometrics

### Satine Lens

Test #: ITL89106  
 Part #: AD11A-840MO  
 Total Lumens: 908 lm  
 Total Watts: 11.3 W  
 Efficacy: 80.4 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	305	305	305	305	305
5	304	304	304	304	304
10	299	299	300	300	300
15	292	292	294	294	295
20	282	282	284	286	286
25	268	270	272	275	276
30	253	255	259	262	263
35	236	238	243	247	249
40	217	219	225	231	233
45	197	199	206	213	215
50	175	178	186	194	197
55	151	156	165	173	177
60	128	133	143	152	157
65	104	109	120	131	136
70	80	85	96	107	111
75	56	62	71	76	76
80	34	39	43	47	48
85	15	17	19	22	22
90	0	0	0	0	0

### Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3566	3729	3892
55	3370	3682	3950
65	3150	3634	4119
75	2769	3511	3758
85	2203	2790	3231

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 accredited testing laboratory. Testing conducted at 25°C ambient conditions

## 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 satine 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. Maximum fixture weight is 12 lbs Surface Box adds 10 lbs

**LED:** 25° 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 = 105,000 hours and L90 = 30,000 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).

**CRI, CCT & Output:** Three lumen packages available. Low (LO), Medium (MO) and High (HO). 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 Osram 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/-30C to 94°F/34°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:** Consult factory.

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

**Fixture Weight:** 12 lbs maximum - Surface mount box adds 10 lbs

**Buy American Act Compliant**

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