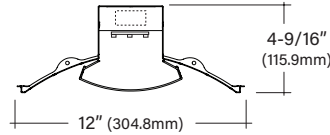


ADEO AD11

1x1 Architectural Recessed



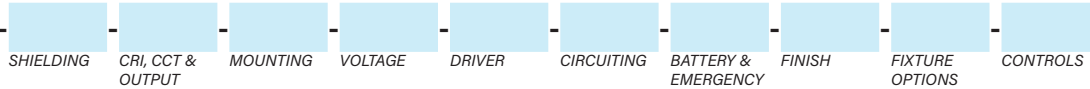
Key Features

- 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



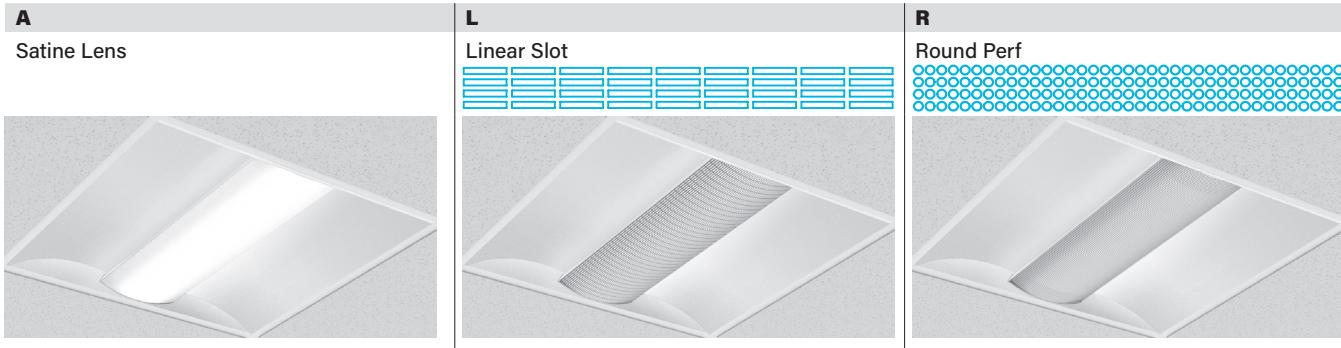
| --- | --- | --- | --- |
|--|--|--|---|
| SHIELDING | SOURCE | MOUNTING | VOLTAGE |
| A - Satine Lens R - Round Perf L - Linear Perf <i>Shielding pg. 2</i> | 27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K CL - Custom Lumens CW - Custom Watts MOD - Mod options available <i>Lumen Output pg. 2</i> | G1 -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



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.
- 80 CRI = R9≥19 and 90 CRI = R9≥61

Custom Output- Lumens OR Wattage

| | | |
|-----------------|---|--|
| CL _____ | Specify CRI, CCT and desired lumens (i.e. CL835600) | Specify lumens between standard offering listed below. Lumens are specified per color temp |
| CW _____ | 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 |
| 830LO | 3000K | Standard | 11.3 | 883 | 78.1 | 524 | 46.4 | 448 | 39.7 |
| 830HO | 3000K | High | 24.9 | 2088 | 83.8 | 1240 | 49.8 | 1061 | 42.6 |
| 835LO | 3500K | Standard | 11.3 | 908 | 80.4 | 539 | 47.7 | 461 | 40.8 |
| 835HO | 3500K | High | 24.9 | 2148 | 86.3 | 1276 | 51.2 | 1091 | 43.8 |
| 840LO | 4000K | Standard | 11.3 | 925 | 81.9 | 550 | 48.6 | 470 | 41.6 |
| 840HO | 4000K | High | 24.9 | 2189 | 87.9 | 1300 | 52.2 | 1112 | 44.7 |

90 CRI

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

Direct Source: MOD Options

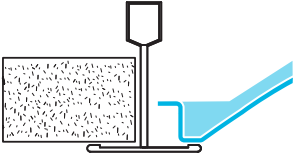
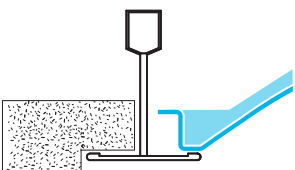
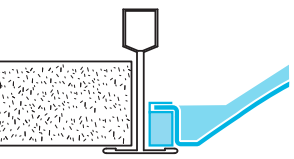
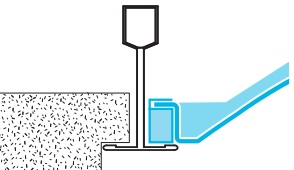
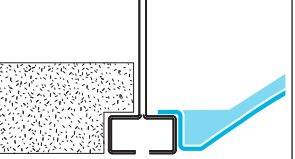
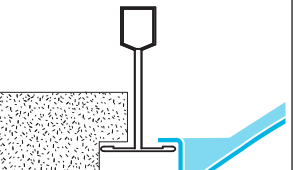
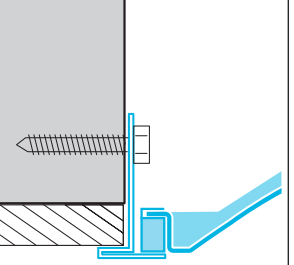
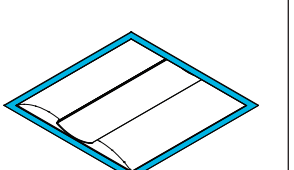
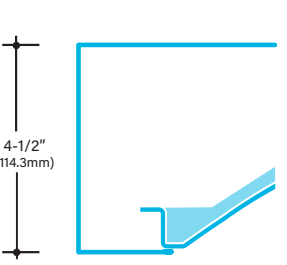
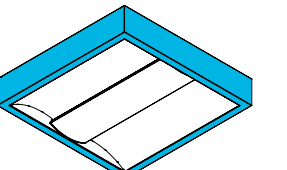
- Specify **MOD** in the part number for any of the below options
- All RGB_ Source Options will require specific driver and control
- Consult factory for **MOD** specification details, pricing, and lead-time information

| MOD | | Required Driver | Required Control |
|-----|--------------------------|-----------------|------------------|
| | | | |
| | Color Changing RGB LED | EC2 | DMX |
| | Color Changing RGB-W LED | EC2 | 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 |
|---|---|---|---|--|
| 1" Grid Mount <i>Works with 15/16" grid ceiling types. See profile for fixture position in relation to ceiling grid and tile.</i> | 9/16" Grid Mount <i>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.</i> | Screw Slot Mounting <i>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.</i> | Flange Kit <i>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.</i> | Surface Mount <i>Utilize for hard lid ceiling applications. The 20 gauge steel frame easily secures to ceiling.</i> |
|  <p>Standard Tile</p>  <p>Tegular Tile</p> |  <p>Standard Tile</p>  <p>Tegular Tile</p> |  <p>Tegular Tile</p>  <p>Tegular Tile</p> |   |  <p>4-1/2" (114.3mm)</p>  |

Voltage

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

| | |
|----------|-----------|
| U | Universal |
| 1 | 120 volt |
| 2 | 277 volt |
| 3 | 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 | |
|-------------------|---|
| FSD | Factory Select Driver (1%, 0-10v) |
| OL2 | Osram Optotronic, 1%, 0-10v |
| OL4 | Osram Optotronic 347v, 1% 0-10v (requires 347v) |
| EE1 | eldoLED ECOdrive 1%, 0-10v Logarithmic |
| EE2 | eldoLED ECOdrive 1%, 0-10v Linear |
| ES1 | eldoLED SOLOdrive 0-10v, 0% Logarithmic |
| ES2 | eldoLED SOLOdrive 0-10v, 0% Linear |
| OL5 | Osram Optotronic 1%, 0-10v, AUX |
| Lutron Drivers | |
| LH1 | Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1 |
| Alternate Drivers | |
| EH1 | ELV 120v only, 0-10v universal |

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

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AD11_LED_SPEC_JUNE2022



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

| | |
|----------|--------------------------|
| 1 | Single Circuit |
| E | Emergency Circuit only |
| N | 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

| | |
|-------------|---|
| 0 | No Battery |
| 1IRC | Iota 10w Remote |
| 1PRS | Bodine 7w Remote, Self Testing |
| 1PRD | Bodine 10w Remote, Dual Flex |
| FSG | Factory Select Automatic Load Control Relay (ALCR) |
| GI | Emergency Transfer Switch (ETS) DR Emergency Control Device |
| GB | Bodine GTD, Generator Transfer Device |

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

| | |
|------------|-----------------|
| MOD | Wood Grain |
| | Metallic Silver |
| | Textured Black |
| | Bronze |
| | Graphite |
| | Custom Color |
| | Natural |

Fixture Options

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

| | |
|------------|---|
| TW | Through-Wiring |
| CP | Chicago Plenum |
| AM | Antimicrobial Paint |
| FW6 | Flex Whip 6' |
| GLR | Internal Fast Blow Fuse |
| DSP | Customer Supplied Battery/Driver/Sensor |
| GMF | 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

| | |
|------------|----------------|
| MOD | Remote Driver |
| | End Power Feed |

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

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Controls

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

Controls: MOD Options

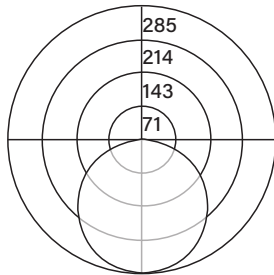
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

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

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. 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%. All 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.

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. 80 CRI = R9≥19 and 90 CRI = R9≥61.

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 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.