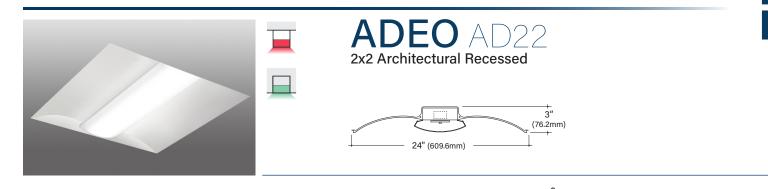
#### L Ρ С Ε RCHITECTURAL LIGHTING

Project Name \_

Date \_

\_ Туре \_



CIRCUITING

DRIVER

BATTERY & EMERGENCY

FINISH

#### **Key Features**

**AD22** 

- Formed 22 gauge cold rolled steel housing, 20 gauge available upon request
- 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 15 lbs Surface Mount Box adds 10 lbs
- Room-Side Maintenance for LED system

SHIELDING

Buy American Act compliant .

CRI, CCT & OUTPUT

Indigo-Clean available, see Indigo-Clean specification sheets for details

MOUNTING VOLTAGE



FIXTURE OPTIONS

CONTROLS





Example Part #: AD22-A-830HO-G1-U-OL2-1-0-W

OUTPUT		EMERGENCY OPTIONS	
			_
SHIELDING	SOURCE QS_1	MOUNTING	VOLTAGE
A - Satine Lens QS, R - Round Perf L - Linear Perf Shielding pg. 2	<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 $Q$ , <b>G9</b> - 9/16" Grid $Q$ , <b>GS</b> - Screw Slot Grid $Q$ , <b>FL</b> - Flanged <b>S</b> - Surface Mount <i>Mounting pg.</i> 3	U - Universal (120 thru 277V) QS, 1 - 120V QS, 2 - 277V QS, 3 - 347V Voltage pg. 3
	-		
DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH
<b>PL2</b> - Advance Xitanium (1%, 0-10v) $Q_{S_{\star}}$ <b>OL4</b> - Osram 347v (1%, 0-10v) <b>EE1</b> - eldoLED ECOdrive (1%, 0-10v) <b>ES1</b> - eldoLED SOLOdrive (0%, 0-10v) <b>LH1</b> - Lutron Hi-lume (1%, <i>EcoSystem</i> ) <b>PS1</b> - Advance Xitanium (50%/100%) <b>OL2</b> - Osram (1%, 0-10v) $Q_{S_{\star}}$ <b>FSD</b> - Factory Select Driver (1%, 0-10v) $Q_{S_{\star}}$ <b>FSD</b> - Factory Select Driver (1%, 0-10v) $Q_{S_{\star}}$ <b>MOD</b> - Mod options available <i>Driver pg. 4</i>	<b>1</b> - Single Circuit <i>Q</i> S <sub>↓</sub> <b>E</b> - Emergency ( <i>entire fixture</i> ) <i>Q</i> S <sub>↓</sub> <b>N</b> - Night Light ( <i>entire fixture</i> ) <i>Q</i> S <sub>↓</sub> <i>Circuiting pg. 4</i>	0 - None QS, 1P - Bodine 10W QS, 1IC - Iota 10W, CEC Listed QS, FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD Battery and Emergency pg. 4	W - White QS, MOD - Mod options available Finish pg. 5
FIXTURE OPTIONS <sup>2</sup>	CONTROLS		
QS - QuickShip $Q$ , TW - Through-wiring CP - Chicago Plenum $Q$ , AM - Antimicrobial Paint AR - Air Return FW6 - 6' Flex Whip $Q$ , GLR - Fast Blow Fusing $Q$ , DSP - Customer Supplied Battery/Driver/ Sensor GMF - Slow Blow Fusing MOD - Mod options available Fixture Options pg. 5	MOD - Mod options available Controls pg. 6		Dutput. When specifying BIOS use B and then specify color

temperature, either 3500K or 4000K, and output, example B35HO - BIOS 3500K High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include BIOS or Tunable White. See output charts for more information. BIOS dynamic available, please contact factory for more information

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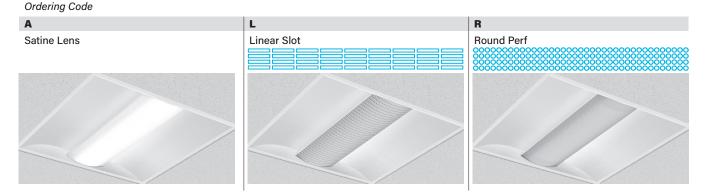
# Shielding

- 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

Not all products qualify for DLC listing. For a complete listing of the ADEO products that

qualify for DLC, please go to the DLC website.

Wiring access available on top of housing



## Output

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory. 80 CRI =  $R9 \ge 19$  and 90 CRI =  $R9 \ge 61$

#### Custom Output- Lumens OR Wattage

Specify CRI, CCT and desired lumens (i.e. CL8351200) CL Specify lumens between standard offering listed below. Lumens are specified per color temp Specify CRI, CCT and desired wattage (i.e. CW94015) CW\_ Specify watts between standard offering listed below

80 CRI									
	Color	Output	Watts	Shieldir	ng				
		-		A		L		R	
				Satine Le	ens	Linear SI	ot	Round P	erf
				Lumens	LPW	Lumens	LPW	Lumens	LPW
830LO	3000K	Low	19.6	2131	108.7	1266	64.6	1082	55.2
830MO	3000K	Middle	30.9	3332	107.8	1979	64.0	1692	54.8
830HO	3000K	High	41.7	4311	103.4	2561	61.4	2190	52.5
835LO	3500K	Low	19.6	2190	111.7	1301	66.4	1113	56.8
835MO	3500K	Middle	30.9	3424	110.8	2034	65.8	1739	56.3
835HO	3500K	High	41.7	4431	106.3	2632	63.1	2251	54.0
840LO	4000K	Low	19.6	2328	118.8	1383	70.6	1183	60.3
840MO	4000K	Middle	30.9	3635	117.6	2160	69.9	1845	59.7
840HO	4000K	High	41.7	4713	113.0	2800	67.1	2394	57.4
90 CRI									
927LO	2700K	Low	19.6	1867	95.3	1109	9 56.6 948		48.4
927MO	2700K	Middle	30.9	2915	94.3	1732	56.0	1481	47.9
927HO	2700K	High	41.7	3780	90.6	2245	53.8	1920	46.0

K LOW	19.0	1807	95.3	1109	0.00	948	48.4
K Middle	30.9	2915	94.3	1732	56.0	1481	47.9
K High	41.7	3780	90.6	2245	53.8	1920	46.0
K Low	19.6	1963	100.2	1166	59.5	997	50.9
K Middle	30.9	3069	99.3	1823	59.0	1559	50.5
K High	41.7	3971	95.2	2359	56.6	2017	48.4
K Low	19.6	1969	100.5	1170	59.7	1000	51.0
K Middle	30.9	3079	99.6	1829	59.2	1564	50.6
K High	41.7	3984	95.5	2366	56.8	2024	48.5
K Low	19.6	2077	106.0	1234	62.9	1055	53.8
K Middle	30.9	3243	105.0	1926	62.3	1647	53.3
K High	41.7	4204	100.8	2497	59.9	2136	51.2
	Middle       Middle       K     High       K     Low       K     Middle       K     High       K     Low       K     High       K     Low       K     High       K     Low       K     Low       K     High       K     Low       K     Low       K     Low       K     Middle	Middle         30.9           MK         High         41.7           MK         Low         19.6           MK         Middle         30.9           MK         High         41.7           MK         Low         19.6           MK         High         41.7           MK         Low         19.6           MK         Low         19.6           MK         Middle         30.9           MK         High         41.7           MK         Low         19.6           MK         Low         19.6           MK         Low         19.6           MK         Low         19.6           MK         Low         19.6	Middle         30.9         2915           0K         High         41.7         3780           0K         Low         19.6         1963           0K         Middle         30.9         3069           0K         High         41.7         3971           0K         High         41.7         3971           0K         Low         19.6         1969           0K         Middle         30.9         3079           0K         Middle         30.9         3079           0K         High         41.7         3984           0K         Low         19.6         2077           0K         Middle         30.9         3243	Middle         30.9         2915         94.3           MK         High         41.7         3780         90.6           MK         Low         19.6         1963         100.2           MK         Middle         30.9         3069         99.3           MK         High         41.7         3971         95.2           MK         Low         19.6         1969         100.5           MK         Low         19.6         1969         100.5           MK         Middle         30.9         3079         99.6           MK         High         41.7         3984         95.5           MK         Low         19.6         2077         106.0           MK         Middle         30.9         3243         105.0	Middle         30.9         2915         94.3         1732           MK         High         41.7         3780         90.6         2245           MK         Low         19.6         1963         100.2         1166           MK         Middle         30.9         3069         99.3         1823           MK         High         41.7         3971         95.2         2359           MK         Low         19.6         1969         100.5         1170           MK         Low         19.6         1969         100.5         1170           MK         Middle         30.9         3079         99.6         1829           MK         High         41.7         3984         95.5         2366           MK         Low         19.6         2077         106.0         1234           MK         Middle         30.9         3243         105.0         1926	Middle         30.9         2915         94.3         1732         56.0           MK         High         41.7         3780         90.6         2245         53.8           MK         Low         19.6         1963         100.2         1166         59.5           MK         Middle         30.9         3069         99.3         1823         59.0           MK         High         41.7         3971         95.2         2359         56.6           MK         Low         19.6         1969         100.5         1170         59.7           MK         Low         19.6         1969         100.5         1170         59.7           MK         Middle         30.9         3079         99.6         1829         59.2           MK         High         41.7         3984         95.5         2366         56.8           MK         Low         19.6         2077         106.0         1234         62.9           MK         Middle         30.9         3243         105.0         1926         62.3	Middle         30.9         2915         94.3         1732         56.0         1481           MK         High         41.7         3780         90.6         2245         53.8         1920           MK         Low         19.6         1963         100.2         1166         59.5         997           MK         Middle         30.9         3069         99.3         1823         59.0         1559           MK         High         41.7         3971         95.2         2359         56.6         2017           MK         Low         19.6         1969         100.5         1170         59.7         1000           MK         Middle         30.9         3079         99.6         1829         59.2         1564           MK         High         41.7         3984         95.5         2366         56.8         2024           MK         Low         19.6         2077         106.0         1234         62.9         1055           MK         Middle         30.9         3243         105.0         1926         62.3         1647

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## **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

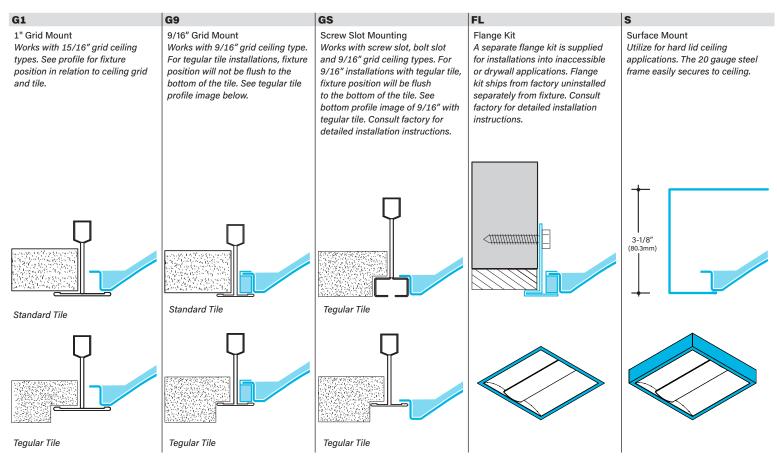
		Required Driver	<b>Required Control</b>
	Color Changing RGB LED	EC1/EC4	DMX
MOD	Color Changing RGB-W LED	EC1/EC4	DMX
mob	2 Channel Tunable White		
	Dynamic BIOS		

## 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 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

U	Universal
1	120 volt
2	277 volt
3	347 volt

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pg. 3

#### 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

PL2Advance Xitanium 1%, 0-10vPL4Advance Xitanium 347v 1%, 0-10v, requires 347vOL2Osram Optotronic, 1%, 0-10vOL4Osram Optotronic 347v, 1% 0-10v (requires 347v)EE1eldoLED ECOdrive 1%, 0-10v LogarithmicEE2eldoLED ECOdrive 1%, 0-10v, logarithmicES1eldoLED SOLOdrive 0-10v, 0% LogarithmicES2eldoLED SOLOdrive 0-10v, 0% LinearOL5Osram Optotronic 1%, 0-10v, AUXDALI DriversOD1Osram Optotronic 1%, DEXALEE3eldoLED SOLOdrive 1%, DALI (logarithmic)EE4eldoLED SOLOdrive 1%, DALI 2 ChannelLutron DriversLH1Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1Alternate DriversPS1Signify Advance Xitanium Step Dimming 50%/100%		
PL2Advance Xitanium 1%, 0-10vPL4Advance Xitanium 347v 1%, 0-10v, requires 347vOL2Osram Optotronic, 1%, 0-10vOL4Osram Optotronic 347v, 1% 0-10v (requires 347v)EE1eldoLED ECOdrive 1%, 0-10v LogarithmicEE2eldoLED ECOdrive 1%, 0-10v LinearES1eldoLED SOLOdrive 0-10v, 0% LogarithmicES2eldoLED SOLOdrive 0-10v, 0% LinearOL5Osram Optotronic 1%, 0-10v, AUXDALI DriversOD1Osram Optotronic 1%, DEXALEE3eldoLED SOLOdrive 1%, DALI (logarithmic)EE4eldoLED SOLOdrive 1%, DALI 2 ChannelLutron DriversLH1Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1Alternate DriversPS1Signify Advance Xitanium Step Dimming 50%/100%	0-10V Drivers	
PL4Advance Xitanium 347v 1%, 0-10v, requires 347vOL2Osram Optotronic, 1%, 0-10vOL4Osram Optotronic 347v, 1% 0-10v (requires 347v)EE1eldoLED ECOdrive 1%, 0-10v LogarithmicEE2eldoLED ECOdrive 1%, 0-10v LinearES1eldoLED SOLOdrive 0-10v, 0% LogarithmicES2eldoLED SOLOdrive 0-10v, 0% LinearOL5Osram Optotronic 1%, 0-10v, AUXDALI DriversOD1Osram Optotronic 1%, DEXALEE3eldoLED SOLOdrive 1%, DALI (logarithmic)EE4eldoLED SOLOdrive 1%, DALI 2 ChannelLutron DriversLH1Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1Alternate DriversPS1Signify Advance Xitanium Step Dimming 50%/100%	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         DALI Drivers       OD1         OSram Optotronic 1%, DEXAL       eldoLED SOLOdrive 1%, DALI (logarithmic)         EE3       eldoLED SOLOdrive 1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive 1%, DALI 2 Channel         Lutron Drivers       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers       Signify Advance Xitanium Step Dimming 50%/100%	PL2	Advance Xitanium 1%, 0-10v
OL4Osram Optotronic 347v, 1% 0-10v (requires 347v)EE1eldoLED ECOdrive 1%, 0-10v LogarithmicEE2eldoLED ECOdrive 1%, 0-10v LinearES1eldoLED SOLOdrive 0-10v, 0% LogarithmicES2eldoLED SOLOdrive 0-10v, 0% LinearOL5Osram Optotronic 1%, 0-10v, AUXDALI DriversOD1Osram Optotronic 1%, DEXALEE3eldoLED SOLOdrive .1%, DALI (logarithmic)EE4eldoLED SOLOdrive .1%, DALI (linear)OD2Osram Optotronic 1%, DALI 2 ChannelLutron DriversLH1Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1Alternate DriversPS1Signify Advance Xitanium Step Dimming 50%/100%	PL4	Advance Xitanium 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         DALI Drivers       O         OD1       Osram Optotronic 1%, DEXAL         EE3       eldoLED SOLOdrive 1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive 1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       EL1         LH1       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers       EP1         Signify Advance Xitanium Step Dimming 50%/100%	OL2	Osram Optotronic, 1%, 0-10v
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         DALI Drivers       OD1         OSram Optotronic 1%, DEXAL       EE3         eldoLED SOLOdrive .1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers         LH1       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers         PS1       Signify Advance Xitanium Step Dimming 50%/100%	OL4	Osram Optotronic 347v, 1% 0-10v (requires 347v)
ES1       eldoLED SOLOdrive 0-10v, 0% Logarithmic         ES2       eldoLED SOLOdrive 0-10v, 0% Linear         OL5       Osram Optotronic 1%, 0-10v, AUX         DALI Drivers       OD1         OSram Optotronic 1%, DEXAL       EE3         eldoLED SOLOdrive .1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers         LH1       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers         PS1       Signify Advance Xitanium Step Dimming 50%/100%	EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
ES2       eldoLED SOLOdrive 0-10v, 0% Linear         OL5       Osram Optotronic 1%, 0-10v, AUX         DALI Drivers       OD1         OD1       Osram Optotronic 1%, DEXAL         EE3       eldoLED SOLOdrive .1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       EL1         Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers         PS1       Signify Advance Xitanium Step Dimming 50%/100%	EE2	eldoLED ECOdrive 1%, 0-10v Linear
OL5       Osram Optotronic 1%, 0-10v, AUX         DALI Drivers         OD1       Osram Optotronic 1%, DEXAL         EE3       eldoLED SOLOdrive .1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       Etherate         LH1       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers       Etherate         PS1       Signify Advance Xitanium Step Dimming 50%/100%	ES1	eldoLED SOLOdrive 0-10v, 0% Logarithmic
DALI Drivers         OD1       Osram Optotronic 1%, DEXAL         EE3       eldoLED SOLOdrive 1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive 1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers       Signify Advance Xitanium Step Dimming 50%/100%	ES2	eldoLED SOLOdrive 0-10v, 0% Linear
OD1       Osram Optotronic 1%, DEXAL         EE3       eldoLED SOLOdrive .1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       Image: Comparison of the state o	OL5	Osram Optotronic 1%, 0-10v, AUX
EE3       eldoLED SOLOdrive .1%, DALI (logarithmic)         EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       Email 1         Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers         PS1       Signify Advance Xitanium Step Dimming 50%/100%	<b>DALI Drivers</b>	
EE4       eldoLED SOLOdrive .1%, DALI (linear)         OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers       PS1         Signify Advance Xitanium Step Dimming 50%/100%	OD1	Osram Optotronic 1%, DEXAL
OD2       Osram Optotronic 1%, DALI 2 Channel         Lutron Drivers         LH1       Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1         Alternate Drivers         PS1       Signify Advance Xitanium Step Dimming 50%/100%	EE3	eldoLED SOLOdrive .1%, DALI (logarithmic)
Lutron Drivers           LH1         Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1           Alternate Drivers           PS1         Signify Advance Xitanium Step Dimming 50%/100%	EE4	eldoLED SOLOdrive .1%, DALI (linear)
LH1         Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1           Alternate Drivers         PS1         Signify Advance Xitanium Step Dimming 50%/100%	OD2	Osram Optotronic 1%, DALI 2 Channel
Alternate Drivers           PS1         Signify Advance Xitanium Step Dimming 50%/100%	<b>Lutron Driver</b>	S
PS1 Signify Advance Xitanium Step Dimming 50%/100%	LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
	<b>Alternate Driv</b>	vers
PB1 Philips Advance Vitanium SR requires EASVS VDO or VRE	PS1	Signify Advance Xitanium Step Dimming 50%/100%
	PR1	Philips Advance Xitanium SR, requires EASYS, VDO or VRF
EH1 ELV 120v only, 0-10v universal	EH1	ELV 120v only, 0-10v universal
OD1 Osram Optotronic 1%, DEXAL	OD1	Osram Optotronic 1%, DEXAL

## **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
Ν	Night Light Circuit only

#### **Battery & Emergency**

- Select battery or emergency options if required
- Battery duration is 90 minutes

0	No Battery
1IC	lota 10w Integral
1ILL	lota 10w Integral Lithium, Self Testing
1IRH	lota 20w Remote
1P	Bodine 10w Integral
1PLL	Bodine 10w Integral Lithium, Self Testing
1PRH	Bodine 20w Remote
FSG	Factory Select Automatic Load Control Relay (ALCR)
GI	Emergency Transfer Switch (ETS) DR Emergency Control Device
GB	Bodine GTD, Generator Transfer Device

• Test button is integral to fixture

For more Battery options, see Pinnacle Resource Guide

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

#### **Battery & Emergency Ordering Examples**

- Single circuit, 10w integral battery
   Ordering Code: 1-1P
- Emergency circuit only, 10w integral battery Ordering Code: E-1P

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## 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

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

## **Fixture Options**

Additional options to enhance the fixture and finish of the product

QS	Quick Ship
тw	Through-Wiring
СР	Chicago Plenum
AM	Antimicrobial Paint
AR	Air Return
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
MOD	End Power Feed

## **Quick Ship**

	CRI, CCT & Output Mounting		Voltage		Driver		Circuiting		Battery		Finish		Options		
10-Day															
A	80 CRI, All color tem- peratures, all lumen packages See pg 4&5	G9		U 1 2	Universal 120V 277V	OL2 FSD	Advance Xitanium 0-10v, 1% Osram 0-10v, 1% Factory Select Driver (1%, 0-10v)	1 E N	Single Emergency Night Light		Bodine 10w Integral Iota 10w Integral	w	White	FW6	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**

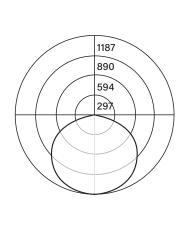
- Specify MOD in the part number for any of the below options
   Control Options may require specific driver. Refer to the chart below
- Consult factory for MOD specification details, pricing, and lead-time information

		<b>Rwquired Driver</b>
MOD	Enlighted (Wireless) - ENLI	Any 0-10v
	Enlighted (Wireless) - ENLC	Any 0-10v
	Encelium Sensilum	OD1, OL5

# Photometrics







#### **Candela Distribution**

Vert Angle	Horizontal Angle					
	0	22.5	45	67.5	90	
0	1187	1187	1187	1187	1187	
5	1183	1184	1184	1184	1185	
10	1170	1170	1169	1170	1171	
15	1146	1144	1145	1149	1150	
20	1109	1108	1111	1117	1118	
25	1061	1062	1068	1076	1079	
30	1006	1007	1016	1027	1031	
35	941	945	956	971	975	
40	868	874	890	908	914	
45	791	798	817	837	844	
50	706	716	740	762	770	
55	618	630	656	681	689	
60	525	540	567	597	606	
65	429	447	479	509	522	
70	332	351	385	422	434	
75	234	257	296	334	351	
80	144	165	206	237	245	
85	65	80	101	118	125	
90	0	0	0	0	0	

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

Angle In	Average	Average	Average
Degrees	0-Deg	45-Deg	90-Deg
45	3266	3373	3485
55	3146	3339	3507
65	2964	3309	3606
75	2639	3339	3959
85	2177	3383	4187

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 22 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 15 lbs - Surface Mount box adds 10 lbs

**LED:** 25°C 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 = 107,300 hours and L90 = 32,000 hours. MacAdam 3-Step Ellipses. Not all products are lighting facts listed. For all available IES files, please visit our website at pinnacle-Itg. 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 =  $R9 \ge 19$  and 90 CRI =  $R9 \ge 61$ .

**Voltage:** Universal (U), 120 volt (1), 277 volt (2) and 347 volt (3) options available. Must specify OL3 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 Listed. LO, MO, and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Fixture Weight: 15 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.

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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