

# EDGE EV4D

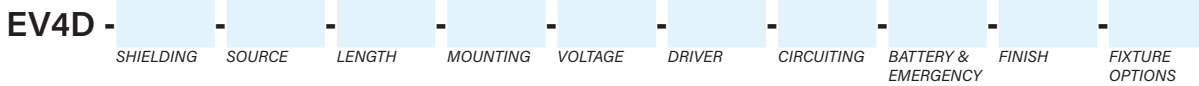
## 4" Recessed Linear

### Key Features

- Boards and driver are specifically for Indigo Clean®
- Indigo Clean® emits 405nm light which targets bacteria & produces intra-cellular Reactive Oxygen Species (ROS)
- Standard, white luminaire that provides on-demand disinfection when light is on
- Laboratory-tested disinfection
- Unlike UV disinfection, light is safe for occupants
- Proven effectiveness per independent lab test results
- Provides a cleaner, safer environment, even in areas normal cleaning doesn't reach



Example Part #: EV4D-HE-IC37-26'-G1-U-ND-1-0-W



SHIELDING	SOURCE	LENGTH <sup>1</sup>	MOUNTING <sup>2</sup>
<b>HE</b> - High Efficiency Lens	<b>IC37</b> - Indigo Clean LED, 3700K <b>IC43</b> - Indigo Clean LED, 4300K <i>Source pg. 2</i>	_ - Individual Fixture _ - Continuous Row <i>Length pg. 2</i>	<b>G1(G)</b> - 1" (15/16") T Bar <b>G9(G)</b> - 9/16" T Bar <b>GB(G)</b> - 9/16" Bevel T Bar <b>GS(G)</b> - Screw Slot T Bar <b>FL(F)</b> - 1/2" Flange <b>NF(N)</b> - Non Flange <b>SF(S)</b> - Spackle Flange <i>Mounting pg. 2</i>
VOLTAGE	DRIVER <sup>3</sup>	CIRCUITING	BATTERY & EMERGENCY <sup>4</sup>
<b>U</b> - Universal (120 thru 277V) <b>1</b> - 120V <b>2</b> - 277V <i>Voltage pg. 3</i>	<b>OL1</b> - Osram (10%, 0-10v) <b>ND</b> - Non-Dimming <i>Driver pg. 3</i>	<b>1</b> - Single Circuit <b>M</b> - Multi Circuit <b>E</b> - Emergency (entire fixture) <b>N</b> - Night Light (entire fixture) <i>Circuiting pg. 3</i>	<b>0</b> - None <b>P</b> - Bodine 10W <b>IC</b> - Iota 10W (CEC Listed) <b>E</b> - Emergency Circuit Section <b>N</b> - Night Light Circuit Section <b>L</b> - Life Safety Circuit Section <b>G</b> - Bodine GTD <i>Battery and Emergency pg. 3</i>
FINISH	FIXTURE OPTIONS	CONTROLS	
<b>W</b> - White <b>S</b> - Metallic Silver <b>BL</b> - Textured Black <b>BR</b> - Bronze <b>GR</b> - Graphite <b>CC</b> - Custom Color <i>Finish pg. 3</i>	<b>CP</b> - Chicago Plenum <b>PM</b> - Perimeter Mount <b>RC</b> - Rotating Crossbar <b>GLR</b> - Internal Fast Blow Fuse <b>AM</b> - Antimicrobial Paint <i>Fixture Options pg. 4</i>	Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.	

<sup>1</sup>Individual fixtures come in 2', 4', 6', & 8' lengths. Continuous row come in 2' increments. <sup>2</sup>Specify mounting for individual or continuous length: **G1, G9, GS, FL, NF & SF** for continuous rows, **G1G, G9G, GSG, FLF, NFN & SFS** for individual lengths. <sup>3</sup>While we do offer dimmable driver options, please note that dimming is not recommended with Indigo-Clean fixtures as it can reduce the efficiency of disinfection. <sup>4</sup>Enter quantity for Battery and Emergency, Example 2P.

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.



## Source

- 80 CRI = R9≥19

## Indigo Clean LED

	Color	Watt per foot	Shielding <b>HE</b> High Efficiency	
			Lumens/ft	LPW
<b>IC37</b>	3700K	10.8	1131	104.7
<b>IC43</b>	4300K	10.8	1157	107.1

## Length

- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid
- Individual fixtures come in 2', 4', 6' & 8' lengths. Continuous rows come in 2' increments

2	4	6	8	–
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run Continuous runs available in 2' increments.
23" (584.2mm)	47" (1193.8mm)	71" (1803.4mm)	95" (2413mm)	
Specify in 2' increments >>>				

## Mounting

- Individual Units, specify G\_G, FLF, SFS, NFN
- Continuous Units, specify G\_, FL, SF, NF
- Individual units cannot be joined, end trims are factory installed and cannot be removed
- Designed to install into acoustical grid and inaccessible ceilings
- Grid retention brackets integral to housing and require mechanical attachment
- Each housing contains 4 grid retention brackets
- Tie off fixture to structure with retention wires
- Approved for dry/damp location unless otherwise noted

G1G Individual Unit	G9G	GBG	GSG	FLF	NFN	SFS
<b>G1</b> Continuous Run or Pattern 1" (15/16") T-Bar Flange to Flange: 4-13/16" (122.2mm)	<b>G9</b> 9/16" T-Bar For tegular tile installations, fixture position will not be flush to the bottom of the tile Flange to Flange: 4-13/16" (122.2mm)	<b>GB</b> 9/16" T-Bar Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile Flange to Flange: 4-13/16" (122.2mm)	<b>GS</b> Screw Slot & 9/16" T-Bar For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile Flange to Flange: 4-13/16" (122.2mm)	<b>FL</b> Exposed Standard 1/2" Flange Detail Flange to Flange: 5-1/8" (130.2mm)	<b>NF</b> Metal Pan or Millwork Flange to Flange: 4-7/16" (112.7mm)	<b>SF</b> Drywall, Flangeless Detail Flange to Flange: 6" (152.4mm)
 Standard Tile	 Standard Tile	 Tegular Tile	 Tegular Tile	 Standard Tile	 Metal Pan or Millwork	 Drywall
 Tegular Tile	 Tegular Tile		 Tegular Tile	<b>RC</b> Optional Rotating Crossbar  Optional Rotating Crossbar	<b>PM</b> Optional Perimeter Mounting Includes bracket and wall rail  Optional Perimeter Mounting	

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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

EV4D\_IC\_SPEC\_APRIL2021



## Voltage

- Some EV4D configurations will not accommodate all voltage options; consult with factory

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

## Driver

- Standard Driver Option = OL1
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV4D configurations will not accommodate all driver options; consult with factory

<b>OL1</b>	Osram Optotronic 10%, 0-10v
<b>ND</b>	Non-Dimming

## How to Specify Circuiting, Battery and Emergency

- 1**
- Select fixture circuiting from options below
  - Some EV4D configurations will not accommodate all circuiting options, consult with factory

### Circuiting

<b>1</b>	Single Circuit
<b>M</b>	Multi Circuit <i>(Not available with controls)</i>
<b>E</b>	Emergency Circuit only <i>(uses nIO EZ PH ER with NLIGHT)</i>
<b>N</b>	Night Light Circuit only

- 2** + **3**
- Battery and emergency section options are available in addition to fixture circuit
  - Select battery and emergency section options below; factory shop drawing required
  - Some EV4D configurations will not accommodate all circuiting options, consult with factory

### Battery and/or Emergency *If Required*

- 0** No battery or specific emergency section required

### Battery

- Select battery section type if required, indicate total QTY. *Example 2P*
- 90 minute battery runtime; test button location dependant on configuration, consult factory
- No battery option available for 2' & 3' lengths
- Entire fixture is on battery for lengths up to 5'
- Half of fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

<b>0</b>	No battery
<b>_P</b>	Bodine 10w Integral
<b>_IC</b>	Iota 10w Integral <i>CEC Listed</i>

### For Approximate Battery Lumen Output

- Multiply battery wattage X fixture LPW shown on Lumen Table
- $92.3 \text{ (LPW)} \times 10 \text{ (watts)} = 923 \text{ battery lumen output}$

### Emergency

- Select emergency section type if required, indicate total QTY. *Example 1E*
- Combine battery and emergency section ordering codes if both options are selected

<b>_E</b>	Emergency circuit section <i>(NLIGHT ONLY full housing not sections)</i>
<b>_N</b>	Night Light circuit section
<b>_L</b>	Life Safety circuit section NO THROUGH WIRE
<b>_G</b>	Bodine GTD, Generator Transfer Device section

### Battery OR Emergency Ordering Examples

- Single circuit, 10w Integral Battery      Ordering Code: 1-1P
- Emergency only, 10w Integral Battery      Ordering Code: E-1P
- Single circuit, GTD required      Ordering Code: 1-1G

### Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section      Ordering Code: 1-1P1E
- Multi circuit, (2) 10w battery, (2) emergency sections      Ordering Code: M-2P2E
- Single circuit, (1) night light section      Ordering Code: 1-1N

## Finish

- Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes
- Selecting a fixture finish other than white may impact lumen output; consult factory for more information

<b>W</b>	White
<b>S</b>	Metallic Silver
<b>BL</b>	Textured Black
<b>GR</b>	Graphite
<b>BR</b>	Bronze
<b>CC</b>	Custom Color

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.

Designed in Denver, CO • USA | pinnacle-ltg.com | O: 303-322-5570 F: 303-322-5568

EV4D\_IC\_SPEC\_APRIL2021



## Fixture Options

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

<b>AM</b>	Antimicrobial Paint
<b>CP</b>	Chicago Plenum
<b>PM</b>	Perimeter Mount <i>(not available in 2' or 3')</i>
<b>RC</b>	Rotating Crossbar
<b>GLR</b>	Internal Fast Blow Fuse

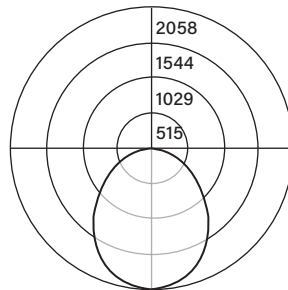
## Controls

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

## Photometrics

### Satine Lens

Test #	ITL93368 & ITL93387
Catalog #	EV4D-HE-IC43-4
Lumens	4631 lm
Watts	43.1 W
Efficacy	107.4 LPW



### Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	2058	2058	2058	2058	2058
5	2046	2046	2044	2042	2042
10	2010	2002	2002	1995	1989
15	1951	1933	1930	1917	1907
20	1868	1839	1832	1807	1794
25	1759	1725	1709	1668	1647
30	1630	1594	1562	1509	1484
35	1485	1448	1400	1335	1306
40	1328	1290	1233	1156	1127
45	1164	1126	1058	983	949
50	999	963	892	819	791
55	837	805	735	668	642
60	681	650	588	532	510
65	533	508	456	410	394
70	391	373	333	299	287
75	267	252	225	202	197
80	156	148	132	119	116
85	68	62	56	50	49
90	0	0	0	0	0

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13416	12196	10935
55	11890	10447	9127
65	10278	8788	7600
75	8419	7079	6205
85	6331	5195	4627

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 cold-rolled 18 gauge steel housing. Highly reflective die-formed white painted steel reflector.

**Shielding:** Diffuse snap-in acrylic lens, removable for maintenance.

**Mounting:** EDGE is designed to install into acoustical grid and inaccessible ceilings. Specify GXG, FLF, SFS, NFN for individual, unjoinable units (individual units will fall on-grid). Specify GX, FL, SF, NF for continuous runs (runs designed to fall on-grid). Consult factory for detailed installation instructions. Maximum fixture weight is 15lbs per 4' fixture.

**Indigo Clean LED:** Spectrum focused lighting for continuous environmental disinfection. 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 = 80,000 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).

**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 EDGE configurations will not accommodate all voltage options; consult with factory.

**Driver:** Standard Driver Option is Osram Optronic Non-dimming = ND. 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 118°F/48°C. For more driver options, see Pinnacle Resource Guide. Some EDGE configurations will not accommodate all driver options.

**Circuiting:** Select from single circuit (1), Multi circuit - For multiple circuiting and zone control, requires factory shop drawing (M), Emergency circuit (E), Life Safety (L) or Night Light circuit (N). For emergency circuiting situations that require no through wire or circuit separation, Life Safety Circuit should be selected. This will provide a separate power feed and only the Life Safety Circuit in that section. Some EDGE 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 location dependant on configuration, consult factory. For more Battery options, see Pinnacle Resource Guide.

**Finish:** Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish; consult factory for chip of standard paint finishes or for additional custom color and finish options.

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

**Labels:** ETL listed conforming to UL1598 and CSA 250. Approved for dry/damp location unless otherwise noted.

**Fixture Weight:** Maximum fixture weight is 15lbs per 4' fixture.

**Buy American Act Compliant**

**Warranty:** EDGE 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](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

EV4D\_IC\_SPEC\_APRIL2021