PINNACLE
ARCHITECTURAL LIGHTING®

EDGE EV4D
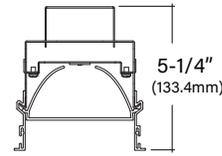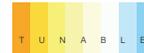## 4" Recessed Linear

4" (101.6mm)

4" (101.6mm)
See Mounting Section

5-1/4" (133.4mm)

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- 5-year limited warranty covers LED, driver and fixture
- ETL Listed conforming to UL1598 in US and CSA 250 in Canada
- Approved for dry/damp location unless otherwise noted
- Room-Side Maintenance for LED system
- Product transparency with third-party verified Living Building Challenge (LBC) Declared

Example Part #: EV4D-HE-830HO-26'-G1-U-FSD-1-0-W

EV4D -

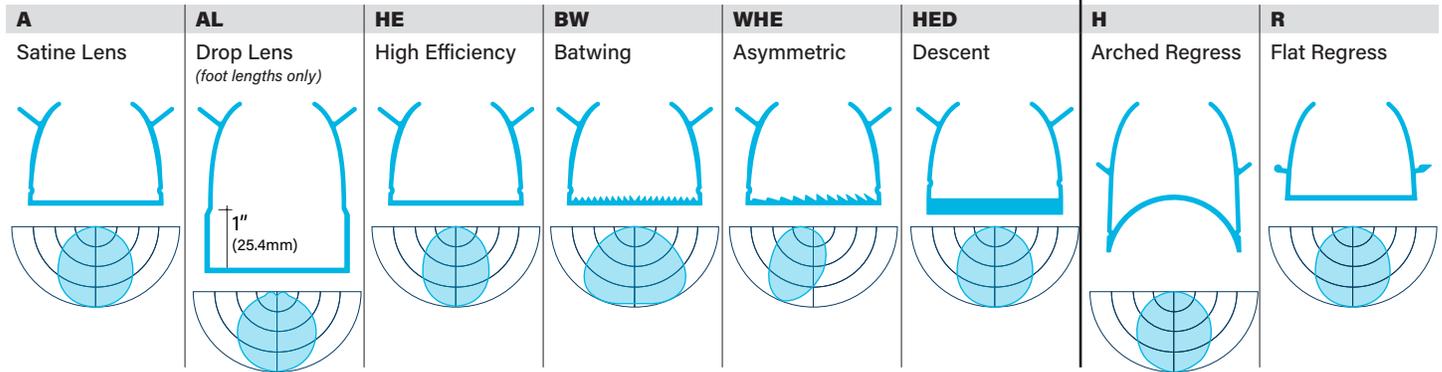| SHIELDING	SOURCE	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS

SHIELDING
A - Satine Lens *QS*
HE - High Efficiency Lens *QS*
HED - Descent Lens
BW - Batwing *QS*
WHE - Asymmetric *QS*
AL - Drop Lens
H - Arched Regress Lens
R - Regress Lens
Shielding pg. 2

SOURCE *QS* [1,2]
_27_ _ - 2700K
_30_ _ - 3000K
_35_ _ - 3500K
_40_ _ - 4000K
TW _ _ - 2CH Tunable White *(2700-6500K, 90CRI)*
CL_ _ _ _ _ _ - Custom Lumens
CW_ _ _ _ _ _ - Custom Watts
MOD - Mod options available
Lumen Output pg. 2

LENGTH OR PATTERN[3]
_ _ - Individual Fixture *QS*
_ _ - Continuous Row *QS*
L _ x _ - L Shape *QS*
R _ x _ - Rectangle *QS*
S _ - Square *QS*
U _ x _ - U Shape *QS*
T _ x _ - T Shape
X _ x _ x _ - X Shape
WC _ x _ - Wall to Ceiling *QS*
MOD - Mod options available
Length and Pattern pg. 3

MOUNTING
G1 - 1" *(15/16")* T Bar *QS*
G9 - 9/16" T Bar *QS*
GB - 9/16" Bevel T Bar
GS - Screw Slot T Bar *QS*
FL - 1/2" Flange *QS*
NF - Non Flange *QS*
SF - Spackle Flange *QS*
MOD - Mod options available
Mounting pg. 4

VOLTAGE[4]
U - Universal *QS*
    (120 thru 277V)
1 - 120V *QS*
2 - 277V *QS*
3 - 347V
Voltage pg. 4

DRIVER
FSD - Factory Select Driver *(1%, 0-10v)* *QS*
PL2 - Advance Xitanium *(1%, 0-10v)*
OL2 - eldoLED Optotronic *(1%, 0-10v)*
OL4 - eldoLED Optotronic 347v *(1%, 0-10v)*
EE1 - eldoLED ECOdrive *(1%, 0-10v)*
ES1 - eldoLED SOLOdrive *(0.1%, 0-10v)*
LH1 - Lutron Hi-lume *(1%, EcoSystem)*
PR1 - Advance Xitanium SR
MOD - Mod options available
Driver pg. 5

CIRCUITING[5]
1 - Single Circuit *QS*
M - Multi Circuit
E - Emergency *QS*
    (entire fixture)
N - Night Light
    (entire fixture)
Circuiting pg. 5

BATTERY & EMERGENCY[6]
0 - None *QS*
_FSB - Factory Select Battery *QS*
_FSG - Factory Select ALCR
_GI - Iota ETS DR
_GB - Bodine GTD
_ILL - Iota 10W
_PLL - Bodine 10W
Battery and Emergency pg. 5-6

FINISH
W - White *QS*
S - Metallic Silver
BL - Textured Black
BR - Bronze
GR - Graphite
CC - Custom Color
Finish pg. 6

FIXTURE OPTIONS[7,8]
QS - Quick Ship *QS*
CP - Chicago Plenum *QS*
FIL - Field Cut Illuminated Extension *QS*
RC - Rotating Crossbar
GLR - Internal Fast Blow Fuse *QS*
DSP - Customer Supplied Battery/Driver/Sensor
FW6 - 6' Flex Whip
BA - Buy America(n) Act and/or Build America Buy America Compliant
MOD - Mod options available
Fixture Options pg. 6-7

CONTROLS[9]
DLMFC - Wattstopper DLM *(wired)*
DLMFS - Wattstopper LLLC *(wireless)*
EASYS - Philips EasySense *(wireless)*
SNSLM - Encelium Sensium *(wireless)*
WVLX - Eaton Wavelinx *(wireless)*
VDO - Lutron Vive Sensor *(wireless)*
VRF - Lutron Vive Connected *(wireless)*
ENL_ - Enlighted *(wireless)*
MOD - Mod options available
Controls pg. 7

[1]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. [2]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. [3]Individual fixtures come in **2', 3', 4', 5', 6', 7'** & **8'** lengths. Continuous row come in 1/8" increments. For Patterns specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. [4]Tunable White (**TW**) option only available with Universal (**U**), 120V (**1**) or 277V (**2**) options. [5]Consult factory for Emergency (**E**) or Night Light (**N**) options with Tunable White (**TW**) option. [6]Enter quantity for Battery and Emergency, Example 2PLL. [7]When ordering QuickShip, **QS** must be used in fixture options section of part number to qualify. Rotating Crossbar (**RC**) option only available with **FL** and **NF** mounting. [8]Compliance is configuration dependent; consult factory for confirmation. [9]Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**). See Controls chart on page 5 for driver options and more information.

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Shielding

These options use 5-1/4" Housing

A	AL	HE	BW	WHE	HED	H	R
Satine Lens	Drop Lens *(foot lengths only)*	High Efficiency	Batwing	Asymmetric	Descent	Arched Regress	Flat Regress

(AL shows 1" / 25.4mm)

Source

- 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. CL835500)	*Specify lumens between standard offering listed below. Lumens are specified per color temp*
CW _ _ _ _ _	Specify CRI, CCT and desired wattage (i.e. CW9407)	*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	Lumens per foot	A Satine LPW	Watts/ft	AL Drop LPW	Watts/ft	HE High Efficiency LPW	Watts/ft	BW Batwing LPW	Watts/ft	WHE Asymmetric LPW	Watts/ft	HED Descent LPW	Watts/ft	H Arched Regress LPW	Watts/ft	R Regress LPW	Watts/ft
830	3000K	500	114	4.4	103	4.9	126	4.0	122	4.1	123	4.1	113	4.4	97	5.2	103	4.9
830HO		750	114	6.6	105	7.2	130	5.8	127	5.9	127	5.9	113	6.7	98	7.6	103	7.3
830VHO		1000	117	8.5	106	9.4	131	7.6	130	7.7	130	7.7	116	8.6	98	10.2	104	9.6
835	3500K	500	118	4.3	106	4.7	130	3.9	126	4.0	127	4.0	117	4.3	100	5.0	104	4.8
835HO		750	117	6.4	108	6.9	134	5.6	131	5.7	131	5.7	116	6.4	100	7.5	106	7.1
835VHO		1000	120	8.3	108	9.2	136	7.4	132	7.6	132	7.6	119	8.4	101	9.9	107	9.4
840	4000K	500	118	4.3	106	4.7	130	3.9	126	4.0	127	4.0	117	4.3	100	5.0	104	4.8
840HO		750	117	6.4	108	6.9	134	5.6	131	5.7	131	5.7	116	6.4	100	7.5	106	7.1
840VHO		1000	120	8.3	108	9.2	136	7.4	132	7.6	132	7.6	119	8.4	101	9.9	107	9.4

90 CRI

	Color	Lumens per foot	A LPW	Watts/ft	AL LPW	Watts/ft	HE LPW	Watts/ft	BW LPW	Watts/ft	WHE LPW	Watts/ft	HED LPW	Watts/ft	H LPW	Watts/ft	R LPW	Watts/ft
927	2700K	500	94	5.3	84	5.9	106	4.7	103	4.9	103	4.8	94	5.3	78	6.4	83	6.0
927HO		750	96	7.8	86	8.7	108	6.9	105	7.1	105	7.1	95	7.9	80	9.4	85	8.8
927VHO		1000	95	10.5	85	11.8	108	9.2	107	9.4	107	9.4	95	10.6	N/A		N/A	
930	3000K	500	103	4.9	93	5.4	115	4.3	112	4.4	113	4.4	102	4.9	85	5.9	91	5.5
930HO		750	103	7.3	94	8.0	115	6.5	112	6.7	112	6.7	102	7.3	87	8.6	92	8.1
930VHO		1000	104	9.6	94	10.7	118	8.5	115	8.7	116	8.7	104	9.7	85	11.7	92	10.9
935	3500K	500	103	4.9	92	5.4	115	4.3	112	4.5	112	4.5	102	4.9	85	5.9	90	5.5
935HO		750	102	7.3	94	8.0	115	6.5	111	6.7	112	6.7	102	7.4	87	8.6	92	8.1
935VHO		1000	104	9.6	93	10.7	118	8.5	115	8.7	115	8.7	103	9.7	85	11.8	92	10.9
940	4000K	500	103	4.9	92	5.4	115	4.3	112	4.5	112	4.5	102	4.9	85	5.9	90	5.5
940HO		750	102	7.3	94	8.0	115	6.5	111	6.7	112	6.7	102	7.4	87	8.6	92	8.1
940VHO		1000	104	9.6	93	10.7	118	8.5	115	8.7	115	8.7	103	9.7	85	11.8	92	10.9

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

	Color	Lumens per foot	A LPW	Watts/ft	AL LPW	Watts/ft	HE LPW	Watts/ft	BW LPW	Watts/ft	WHE LPW	Watts/ft	HED LPW	Watts/ft	H LPW	Watts/ft	R LPW	Watts/ft
TW	2700 - 6500K	500	91.0	5.5	82.1	6.1	104.9	4.8	102.5	4.9	102.5	4.9	90.4	5.5	75.4	6.6	80.7	6.2
TWHO		750	87.7	8.6	77.6	9.7	101.9	7.4	98.7	7.6	98.7	7.6	87.0	8.6	70.6	11.6	76.5	9.8
TWVHO		1000	N/A		N/A		96.8	10.3	93.9	10.6	93.9	10.6	N/A		N/A		N/A	

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

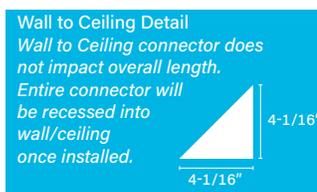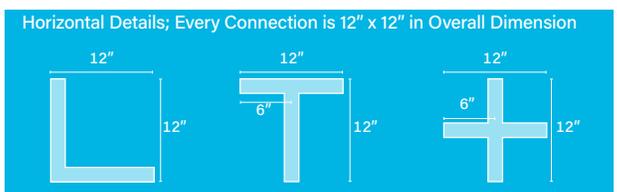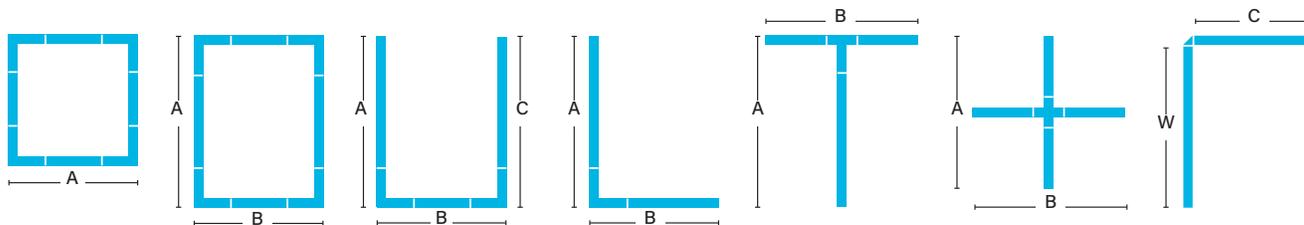|		Required Driver	Required Control
MOD	Color Changing RGB LED	EC1	DMX
	Color Changing RGB-W LED	EC1	DMX

Length

- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid

2	3	4	5	6	7	8	–
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run *Specify nominal overall row length to the 1/8"*

23" (584.2mm)
35" (889mm)
47" (1193.8mm)
59" (1498.6mm)
71" (1803.4mm)
83" (2108.2mm)
95" (2413mm)
Specify to the 1/8" ›››

Pattern

- Specify pattern shape and overall dimensions (includes corner dimensions)
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only available with A or HE Lenses
- Not all drivers available with all patterns; consult factory

S_	R_x_	U_x_x_	L_x_	T_x_	X_x_	WC_x_	M
Square *Provide A dimension* Example: **S4'** Nominal Length- 4'x4' Minimum Length- 3'11"x3'11"	Rectangle *Provide AxB dimensions* Example: **R4'x4'** Nominal Length- 4'x4' Minimum Length- 3'11"x3'11"	U-Shape *Provide AxBxC dimensions* Example: **U3'x4'x3'** Nominal Length- 3'x4'x3' Minimum Length- 2'11"x3'11"x2'11"	L-Shape *Provide AxB dimensions* Example: **L3'x3'** Nominal Length- 3'x3' Minimum Length- 2'11"x2'11"	T-Shape *Provide AxB dimensions* Example: **T3'x5'** Nominal Length- 3'x5' Minimum Length- 2'11"x4'10"	X-Shape *Provide AxB dimensions* Example: **X5'x5'** Nominal Length- 5'x5' Minimum Length- 4'10"x4'10"	Wall to Ceiling *Provide WxC dimensions* Example: **WC2'x2'** Nominal Length- 2'x2' Minumim Length- 1'11"x1'11"	ModLayout *For patterns or lengths not shown or standard*

Horizontal Details; Every Connection is 12" x 12" in Overall Dimension

12" · 12" · 12" · 12" · 6" · 12" · 6" · 12"

Wall to Ceiling Detail
Wall to Ceiling connector does not impact overall length. Entire connector will be recessed into wall/ceiling once installed.
4-1/16" · 4-1/16"

Outside Detail
For Outside Corner configurations, please consult factory.
14" · 14"

Length or Pattern: 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	Specify MOD for patterns, lengths or angles not shown above
	45- 180 degree angles
	Single-piece welded housings up to 4' x 4

Mounting

- 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

G1	G9	GB	GS	FL	NF	SF
1" (15/16") T-Bar *Flange to Flange: 4-13/16" (122.2mm)*	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)*	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)*	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)*	Exposed Standard 1/2" Flange Detail *Flange to Flange: 5-1/8" (130.2mm)*	Metal Pan or Millwork *Flange to Flange: 4-7/16" (112.7mm)*	Drywall, Flangeless Detail *Flange to Flange: 6" (152.4mm)*

Standard Tile | *Standard Tile* | *Tegular Tile* | *Tegular Tile*

Tegular Tile | *Tegular Tile* | | *Tegular Tile*

RC

Optional Rotating Crossbar

Mounting: 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	Recessed to Suspended
	Alternative Ceiling Solutions
	Combination Rails

Voltage

- Some EV4D configurations will not accommodate all voltage options; consult with factory
- 347 volt not available with Tunable White (TW) option

U	Universal
1	120 volt
2	277 volt
3	347 volt

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EV4D_LED_SPEC_FEBRUARY2026   page 4

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 EV4D configurations will not accommodate all driver options; consult with factory

0-10V Drivers	
FSD	Factory Select Driver 1%, 0-10v
PL2	Advance Xitanium 1%, 0-10v
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v
OL2	eldoLED Optotronic, 1%, 0-10v
OL4	eldoLED Optotronic 347v, 1% 0-10v, requires 347v option
EE1	eldoLED ECOdrive 1%, 0-10v, Logarithmic
EE2	eldoLED ECOdrive 1%, 0-10v, Linear
ES1	eldoLED SOLOdrive 0.1%, 0-10v, Logarithmic
ES2	eldoLED SOLOdrive 0.1%, 0-10v, Linear
PL5	Advance Xitanium 1%, 0-10v, AUX, Dim to Off
OL5	eldoLED Optotronic 1%, 0-10v, AUX , Dim to Off
DALI Drivers	
EE3	eldoLED ECOdrive 1%, DALI 2, Logarithmic, DT6
ES3	eldoLED SOLOdrive 0.1%, DALI 2, Logarithmic, DT6
OD1	eldoLED Optotronic 1%, DEXAL, DALI 2, DT6, Self powered link
EE4	eldoLED ECOdrive 1%, DALI 2, Linear, DT6
ES4	eldoLED SOLOdrive 0.1%, DALI 2, Linear, DT6
PR1	Advance Xitanium SR, DALI 2, Self powered link
Lutron Drivers	
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
Alternate Drivers	
PS1	Advance Xitanium Step Dimming 50%/100%
EH1	ERP 1%, Line Voltage and ELV, requires 120v

Driver: 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

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
- Consult factory for Emergency (E) or Night Light (N) circuit with Tunable White (TW) option

Circuiting

1	Single Circuit
M	Multi Circuit *(Not available with controls)*
E	Emergency Circuit only
N	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

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EV4D_LED_SPEC_FEBRUARY2026

page 5

Battery

- Select battery section type if required, indicate total QTY. *Example 2PLL*
- 90 minute battery runtime; test button location dependent 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
- for Tunable White (TW) option, battery with illuminate 6500K LED unless otherwise specified

0	No Battery
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_PLL	Bodine 10w Integral Lithium, Self Testing
_ILL	Iota 10w Integral Lithium, Self Testing

For Approximate Battery Lumen Output
- Multiply battery wattage X fixture LPW shown on Lumen Table
- 92.3 (LPW) x 10 (watts) = 923 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
- Consult factory for Emergency Control Devices with Tunable White (TW) option

Battery OR Emergency Ordering Examples
- Single circuit, 10w Integral Battery   Ordering Code: 1-1FSD
- Emergency only, 10w Integral Battery   Ordering Code: E-1PLL
- Single circuit, GTD required   Ordering Code: 1-1GB

_FSG	Factory Select ALCR, Emergency Control Device, UNV
_GI	Iota ETS-DR, Emergency Transfer Switch, UNV
_GB	Bodine GTD, Generator Transfer Device, 120v or 277v
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

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

W	White
S	Metallic Silver
BL	Textured Black
GR	Graphite
BR	Bronze
CC	Custom Color

Fixture Options

- FIL has 2" min - 12" max length
- FIL Option angle range is 40° to 90°

- FIL Option is not IC rated
- Rotating Crossbar (RC) option only available with FL and NF mounting.

QS	Quick Ship
CP	Chicago Plenum
FIL	Field Cut Illuminated Extension
RC	Rotating Crossbar
DSP	Customer Supplied Battery/Driver/Sensor
GLR	Internal Fast Blow Fuse
FW6	6' Flex Whip

- Domestic content option - compliance is configuration dependent; consult factory for conformation

BA	Buy America(n) Act and/or Build America Buy America Compliant

Quick Ship

Shielding	Source	Mounting		Voltage		Driver		Circuiting		Battery		Finish	Options	
10-Day														
A HE BW WHE	80 CRI, all color temperatures, all lumen packages *See pg 2*	G1 G9 GS FL NF SF	1" T-Bar 9/16" T-Bar Screw Slot 1/2" Flange Flangeless Spackle Flange	U 1 2	Universal (120-277) 120V 277V	FSD	Factory Select Driver *(1%, 0-10v)*	1 E N	Single Circuit Emergency Night Light	0 FSB	None Factory Select Battery	W	White	CP FIL GLR	Chicago Plenum Field Cut Extensions Fast Blow Fuse

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Consult factory for larger projects.

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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

Controls

- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others
- Controls can only be used with Single Circuit (**1**) or Emergency Circuit (**E**)

- Contact factory for any non-standard configurations for layout, placement, or EM options
- One drop per sensor typical, consult factory for more information
- Consult factory for available Controls with Tunable White (TW) option

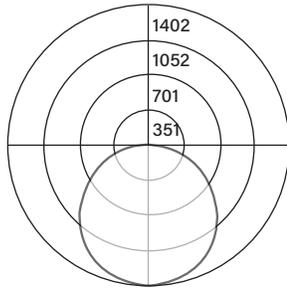|	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitations
DLMFC	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2, OL4	None
DLMFS	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	OD1, PR1, 0-10v	0-10v requires interface
EASYS	Philips EasySense	SNS-210	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
SNSLM	Wattstopper PLUS SensiLUM	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL5	Not available with 347 volt
WLVX	Eaton Wavelinx	SWPD1, NSP3IVMVDC1	WaveLinx WCL, Daylight	Wireless	Any 0-10v	Not available with 347 volt
VDO	Lutron Vive Sensor	DFCSJ-OEM-OCC	Vive, Daylight/PIR Occupancy	Wireless	OD1, PR1	Not available with 347 volt
VRF	Lutron Vive Connected	DFCSJ-OEM-RF	Vive	Wireless	OD1, PR1	Not available with 347 volt

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

		Ordering Code	Required Driver
MOD	Lutron Athena Sensor	AWNS	OD1, PR1, OL5, PL5
	Lutron Athena Connected	AWNR	OD1, PR1, OL5, PL5
	Acuity nLight Air Wireless Connected	CM	OL5, EE4, ES4, EE2, ES2

Photometrics

Satine Lens

Test #	ITL91432
Catalog #	EV2D-A-840VHO-4
Lumens	4020 lm
Watts	34.7 w
Efficacy	116 LPW

1402
1052
701
351

Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1400	1400	1400	1400	1400
5	1393	1395	1397	1398	1399
10	1379	1382	1382	1379	1381
15	1348	1344	1350	1350	1348
20	1306	1298	1306	1307	1304
25	1253	1245	1253	1254	1247
30	1191	1178	1185	1184	1183
35	1112	1104	1112	1108	1105
40	1030	1023	1029	1027	1024
45	940	932	935	932	930
50	839	834	836	833	830
55	734	730	730	729	727
60	624	618	619	618	615
65	507	504	503	501	503
70	388	386	387	388	387
75	269	268	271	273	274
80	156	160	164	166	168
85	65	66	70	73	73
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10950	10892	10833
55	10541	10483	10440
65	9882	9804	9804
75	8561	8625	8720
85	6143	6616	6899

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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EV4D_LED_SPEC_FEBRUARY2026
page 7

Applications & Certificates

Construction: Formed cold-rolled 20 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.

White LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. 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. TM-21-21 Lifetime Rating L70 = >72,000 hours, L90 = 68,400 hours. MacAdam 3-Step Ellipses. For all available IES files, please visit our website at 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 & Lumen Output: Not all lumen packages available. Three lumen packages available. Standard, High (HO) and Very High (VHO). Custom outputs are available. Specify custom lumens or watts between standard offering listed on CRI, CCT & 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 PL4 or OL4 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 Factory Select Driver 0-10V, 1% = FSD. 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 94°F/35°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: Standard options available, refer to Controls section table for available options, component part number(s), connection type, required driver and limitations. Mod options available, consult with factory.

Buy America Act (BAA) and Build America, Buy America Act (BABA) Compliance: BAA and/or BABA compliance options are available to support federally funded projects requiring domestic content. Availability depends on configuration; Compliance is configuration-dependent; consult factory for confirmation.

Labels: UL and cUL 2108 or 1598 listed depending on product configuration. Standard, HO and VHO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Sustainability: All models are Living Building Challenge (LBC) Declared with third-party verification. The Declare Label from ILFI provides transparent insights into materials, sourcing, and environmental impact, promoting informed, sustainable choices that benefit both people and the planet. View the label here.

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

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

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EV4D_LED_SPEC_FEBRUARY2026   page 8