

EDGE EV3WG

3" Recessed Linear Wall Grazer

Key Features

- Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing
- Edge Evolution Wall Grazer is designed to highlight textured wall surfaces
- Not recommended for smooth surfaces
- Offered with a 5-year limited warranty. Covers LED, driver and fixture
- UL and cUL listed. IC rated
- Approved for dry/damp location unless otherwise noted
- Room-Side Maintenance for LED system
- Buy American Act compliant



Example Part #: EV3WG-830HO-26'-G1-U-OL2-1-0-W

EV3WG - CRI, CCT & OUTPUT - LENGTH OR PATTERN - MOUNTING - VOLTAGE - DRIVER - CIRCUITING - BATTERY & EMERGENCY - FINISH - FIXTURE OPTIONS

CRI, CCT & OUTPUT	LENGTH OR PATTERN ¹	MOUNTING ²	VOLTAGE
27 - 2700K 30 - 3000K 35 - 3500K 40 - 4000K CL - Custom Lumens CW - Custom Watts <i>Lumen Output pg. 2</i> Example: 830HO is 8 = 80 CRI; 30 = 3000K; HO = High Output; Blank = Standard Output	--- Individual Fixture --- Continuous Row LI_x_ - Inside L Shape LO_x_ - Outside L Shape RI_x_ - Inside Rectangle RO_x_ - Outside Rectangle SI_ - Inside Square SO_ - Outside Square M - Mod Layout <i>Length and Pattern pg. 2-3</i>	G1(G) - 1" (15/16") T Bar G9(G) - 9/16" T Bar GS(G) - Screw Slot T Bar FL(F) - 1/2" Flange NF(N) - Non Flange SF(S) - Spackle Flange <i>Mounting pg. 3</i>	U - Universal (120 thru 277V) 1 - 120V 2 - 277V 3 - 347V <i>Voltage pg. 4</i>
DRIVER	CIRCUITING	BATTERY & EMERGENCY ³	FINISH
FSD - Factory Select Driver (1%, 0-10v) PL2 - Advance Xitanium (1%, 0-10v) OL4 - Osram 347v (1%, 0-10v) EE1 - eldoLED ECoDrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) PS1 - Advance Xitanium (50%/100%) OL2 - Osram (1%, 0-10v) <i>Driver pg. 4</i>	1 - Single Circuit M - Multi Circuit E - Emergency (entire fixture) N - Night Light (entire fixture) <i>Circuiting pg. 5</i>	0 - None FSG - Factory Select ALCR _GI - Iota ETS DR _GB - Bodine GTD _P - Bodine 10W _IC - Iota 10W (CEC Listed) _E - Emergency Circuit Section _N - Night Light Circuit Section _L - Life Safety Circuit Section <i>Battery and Emergency pg. 5</i>	W - White S - Metallic Silver BL - Textured Black BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 5</i>
FIXTURE OPTIONS	CONTROLS		
CP - Chicago Plenum DSP - Customer Supplied Battery/Driver/Sensor EF - End Filler <i>Fixture Options pg. 5</i>	Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information.		

¹ Individual fixtures come in 2', 3', 4', 5', 6', 8' lengths. Continuous row come in 1' increments. For Patterns, specify pattern shape and overall dimensions. Example: LO6x4: L pattern that is 6'x4'. ²Specify mounting for individual or continuous length: G1, G9, GS, FL, NF & SF for continuous rows, G1G, G9G, GSG, FLF, NFN, SFS for individual lengths. ³ 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.



CRI, CCT & 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. CL835400)	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

80 CRI

	Color	Output	Watts per foot	Shielding WG Wall Grazer Lumens/ft	LPW
830	3000K	Standard	6.0	303	50.3
830HO	3000K	High	10.3	479	46.6
835	3500K	Standard	6.0	316	52.4
835HO	3500K	High	10.3	500	48.7
840	4000K	Standard	6.0	324	53.8
840HO	4000K	High	10.3	513	49.9

90 CRI

927	2700K	Standard	6.0	249	41.3
927HO	2700K	High	10.3	393	38.2
930	3000K	Standard	6.0	280	46.5
930HO	3000K	High	10.3	442	43.0
935	3500K	Standard	6.0	285	47.3
935HO	3500K	High	10.3	450	43.8
940	4000K	Standard	6.0	290	48.1
940HO	4000K	High	10.3	458	44.6

Length

- Individual units cannot be joined, end plates 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	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
23" (584.2mm)						Customizable
	35" (889mm)					length using field
		47" (1193.8mm)				cutable non-illu-
			59" (1498.6mm)			minated end fillers
				71" (1803.4mm)		- max. length of 12"
					95" (2413mm)	per side.

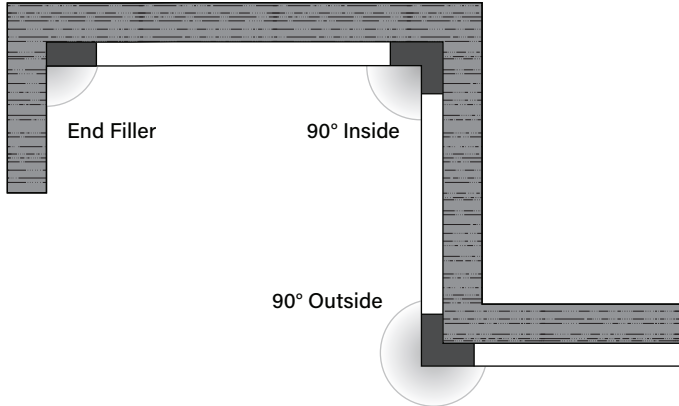
Specify length >>>



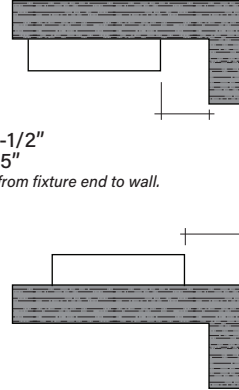
Pattern

- Grazer is a complete perimeter lighting solution that includes inside corners, outside corners, and end fillers
- Corners are 90 degree and allow for +/- 5 degrees of adjustability to accommodate wall imperfections
- Specify runs to the nearest foot. Corners are slid into place to finish the perimeter lighting
- Field cut End Fillers have a maximum length of 6"
- Inside and Outside corners are field cut. Detailed length information will be on Factory Drawings
- End Fillers, Inside and Outside Corners are all Non-illuminated.
- See installation instructions for detailed information

SI_	SO_	RI_x	RO_x	UI_x_x	UO_x_x	LI_x	LO_x	M
Square, Inside (SI) or Outside (SO) Provide overall length dimension for each fixture leg		Rectangle, Inside (RI) or Outside (RO) Provide overall length dimension for each fixture leg		U-Shape, Inside (UI) or Outside (UO) Provide overall length dimension for each fixture leg		L-Shape, Inside (LI) or Outside (LO) Provide overall length dimension for each fixture leg		Mod Layout For 45 degrees, patterns or lengths not shown or standard



Inside Corners:
Min. Length - 6-1/2"
Max. Length - 15"
Length is measured from fixture end to wall.



Outside Corners:
Min. Length - 0"
Max. Length - 5-1/2"
Length is measured from fixture end to wall.

All fixture lengths within a pattern will be rounded to the nearest foot. End fillers and Corners (both field cut) will be used to complete the pattern. Factory Drawings will reflect all fixture, corner, and end filler locations and will need to be approved before an order is entered.

Mounting

- Individual Units: specify G_G, FLF, SFS, NFN
- Continuous Units: specify G_, FL, SF, NF
- All 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
G1 Continuous Run or Pattern	G9	GB	GS	FL	NF	SF
1" (15/16") T-Bar	9/16" T-Bar For tegular tile installations, fixture position will not be flush to the bottom of the tile	9/16" T-Bar Rail has bevel edge details. For tegular tile installations, fixture position will be flush to the bottom of the tile	Screw Slot & 9/16" T-Bar For 9/16" installations with tegular tile, fixture position will be flush to the bottom of the tile	Exposed Standard 1/2" Flange Detail	Metal Pan or Millwork	Drywall, Flangeless Detail
Standard Tile	Standard Tile	Tegular Tile	Tegular Tile			
Tegular Tile	Tegular Tile		Tegular Tile			

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Voltage

- Some EV3WG 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 = FSD
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV3WG configurations will not accommodate all driver options; consult with factory

0-10V Drivers	
FSD	Factory Select Driver 1%, 0-10v
PL2	Signify Advance Xitanium 1%, 0-10v
PL4	Advance Xitanium 347v 1%, 0-10v, requires 347v
OL2	Osram Optotronic, 1%, 0-10v
OL4	Osram 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 0-10v, 0% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
DALI Drivers	
EE3	eldoLED SOLOdrive .1%, DALI (logarithmic)
EE4	eldoLED SOLOdrive .1%, DALI (linear)
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
LH4	Lutron Hi-Lume 1%, 2-wire, Lutron-LTEA2W, 120v only
Alternate Drivers	
PS1	Signify Advance Xitanium Step Dimming 50%/100%
EH1	ELV 120v only, 0-10v universal

How to specify Circuiting, Battery and Emergency

1

- Select fixture circuiting from options below
- Some EV3WG configurations will not accommodate all circuiting options, consult with factory

Circuiting

1	Single Circuit
M	Multi Circuit
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 EV3WG 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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Battery

- Select battery section type if required, indicate total QTY. *Example 2P*
- 90 minute battery runtime; test button is remote
- No battery option available for 2' 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

0	No Battery
_IC	Iota 10w Integral
_ILL	Iota 10w Integral Lithium, Self Testing
_IRH	Iota 20w Remote
_P	Bodine 10w Integral
_PLL	Bodine 10w Integral Lithium, Self Testing
_PRH	Bodine 20w Remote

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

_FSG	Factory Select ALCR, Automatic Load Control Relay
_GI	Iota ETS DR, Emergency Lighting Control Device
_GB	Bodine GTD, Emergency Lighting Control Device
_E	Emergency circuit section
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE

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

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

Fixture Options

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

CP	Chicago Plenum
DSP	Customer Supplied Battery/Driver/Sensor
EF	End Fillers, comes as pair adds upto 6" per end

Controls

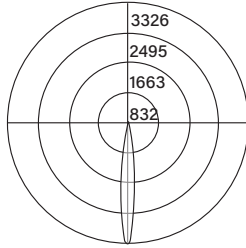
- Pinnacle is able to accommodate different control solutions from different manufacturers. Consult Factory for more information



Photometrics

Wall Grazer

Test #	ITL82935
Catalog #	EV3WG-840-4
Lumens	1296 lm
Watts	24.1 W
Efficacy	54 LPW



Candela Distribution

Vert Angle	Horizontal Angle	0	22.5	45	67.5	90
0		3320	3320	3320	3320	3320
5		2001	2489	3309	2795	2315
10		726	1339	3258	1496	686
15		233	617	3166	543	135
20		93	273	3012	164	28
25		51	134	2812	50	7
30		36	78	2582	17	2
35		27	53	2324	7	1
40		21	39	2046	4	0
45		16	31	1761	3	0
50		12	24	1465	3	0
55		7	19	1174	3	0
60		8	15	898	2	0
65		7	12	635	2	0
70		2	12	404	2	0
75		2	7	210	1	0
80		2	7	74	1	0
85		2	6	10	0	0
90		2	5	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	134	287	26856
55	60	190	21552
65	63	129	15227
75	19	85	7596
85	22	86	800

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: Extruded aluminum trim with formed cold rolled 20 gauge steel back box housing.

Shielding: Extruded aluminum module for perfect wall grazer illumination.

Mounting: Evolution 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). Grid retention brackets are integral to housing. Each housing contains 4 grid retention brackets. Consult factory for detailed installation instructions.

LED: 25°C test environment. Lumen output/wattage has a margin of +/- 5%; 2' or 3' lengths may have a greater wattage deviation. 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. Lifetime Projection L70 = 122,900 hours and L90 = 36,600 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 & Lumen Output: Two lumen packages available. Standard and High (HO). 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. 80 CRI = R9≥19 and 90 CRI = R9≥61. Published lumen or wattage data based on OL1 configuration.

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 Grazer 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 96°F/35°C. For more driver options, see Pinnacle Resource Guide. Some Grazer 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) or Night Light circuit (N). Some Grazer 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 remote to fixture. 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.

Labels: UL and cUL Listed. Standard and HO lumen packages are IC Rated, approved for dry/damp location unless otherwise noted.

Buy American Act Compliant

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