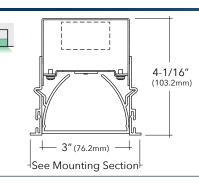
Туре

LENGTH OR PATTERN²

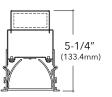
__ - Individual Fixture QS.







3" Recessed Linear



Key Features

SHIELDING

A - Satine Lens QS.

Extruded aluminum trim with formed cold rolled 18 gauge steel back box housing

SOURCE QS,1 **27__-** 2700K

- Highly reflective white painted steel reflector
- 5-year limited warranty covers LED, driver and fixture UL and cUL listed. IC rated
- Approved for dry/damp location unless otherwise noted
- Maximum fixture weight is 15lbs per 4ft fixture
- Room-Side Maintenance for LED system
- Buy American Act compliant
- Indigo-Clean available, see Indigo-Clean specification sheets for details











MOUNTING³

G1(G) - 1" (15/16") T Bar QS





Example Part #: EV3D-HE-830HO-26'-G1-U-OL2-1-0-W

EV3D -CONTROLS SHIELDING SOURCE LENGTH OR MOUNTING VOLTAGE CIRCUITING BATTERY & FINISH **FIXTURE** PATTERN **EMERGENCY OPTIONS**

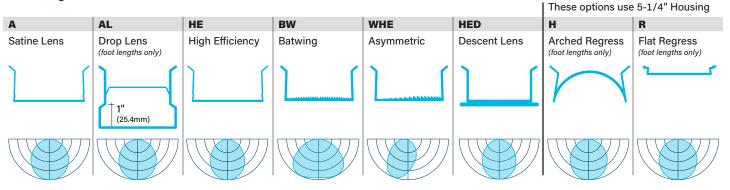
HE - High Efficiency Lens QS, BW - Batwing QS, WHE - Asymmetric QS, AL - Drop Lens HED - Descent Lens H - Arched Regress Lens R - Regress Lens Shielding pg. 2		- Individual Fixture QS, - Continuous Row QS, L_x L Shape QS, R_x Rectangle QS, S Square QS, U_x U Shape QS, T_x T Shape X_x_x X Shape WC_x Wall to Ceiling QS, M - Mod Layout Length and Pattern pg. 2-3	G1(G) - 1" (15/16") Bar Q , G9(G) - 9/16" T Bar Q , GB(G) - 9/16" Bevel T Bar GS(G) - Screw Slot T Bar Q , FL(F) - 1/2" Flange Q , NF(N) - Non Flange Q , SF(S) - Spackle Flange Q , Mounting pg. 4
		_	
VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY ⁴
U - Universal QS, (120 thru 277V) 1 - 120V QS, 2 - 277V QS, 3 - 347V Voltage pg. 4	OL2 - Osram (1%, 0-10v, standard) QS, OL3 - Osram 347v (10%, 0-10v) EE1 - eldoLED ECOdrive (1%, 0-10v) ES1 - eldoLED SOLOdrive (0%, 0-10v) LH1 - Lutron Hi-lume (1%, EcoSystem) QS, L51- Lutron 5-Series (5%, EcoSystem) PL2 - Advance Xitanium (1%, 0-10v) QS, PR1 - Advance Xitanium SR ND - Non-Dimming QS, Driver pg. 4	1 - Single Circuit QS, M - Multi Circuit E - Emergency QS, (entire fixture) N - Night Light QS, (entire fixture) Circuiting pg. 5	O - None QS↓ _P - Bodine 10W _I - lota 10W QS↓ _IC - lota 10W (CEC Listed) _E - Emergency Circuit Section _N - Night Light Circuit Section _L - Life Safety Circuit Section _G - Bodine GTD _A - Acuity Power Sentry 10W Battery and Emergency pg. 5

FINISH FIXTURE OPTIONS⁵ CONTROLS⁶ **DLMFS -** Wattstopper LLLC (wireless) **W** - White QQS - Quick Ship QS. EASYS - Philips EasySense (wireless) CP - Chicago Plenum QS, S - Metallic Silver SNSLM - Osram Sensilum (wireless) **BL** - Textured Black LMRA - Adjustable MR16 (LED) WVLX - Eaton WaveLinx (wireless) XLED - Fixed Xicato LED **BR** - Bronze VDO - Lutron Vive Sensor (wireless) PM - Perimeter Mount **GR** - Graphite VRF - Lutron Vive Connected (wireless) RC - Rotating Crossbar CC - Custom Color Controls pg. 6 **GLR** - Internal Fast Blow Fuse QS. Finish pg. 5 Fixture Options pg. 5-6

When specifying SOURCE the first _ is for specifying either 8 - 80CRI or 9 - 90CRI The ending _ _ are for specifying output, example HO - High Output. See output charts for more information. For Quickship CRI, CCT & Output see chart on page 5 2 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. 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. Enter quantity for Battery and Emergency, Example 2P. QS must be used in fixture options section of part number to qualify. 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.







Source: White LED1

- 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

- QuickShip available for: "A" lens, 80 CRI, all color temperature, and all lumen packages
- Not all products qualify for DLC listing. For a complete listing of the EV3D products that qualify for DLC, please go to the DLC website.

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

80 CRI

	Color	Lumens	Shield	ling¹														
		per foot	A		AL		HE		BW		WHE		HED		H		R	
			Satine		Drop		High Eff	ficiency	Batwing	9	Asymm	etric	Descen	t Lens	Arched	Regress	Regres	s
			LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830	3000K	500	119.0	4.2	126	4.0	137	3.7	129	3.9	133	3.7	115.4	4.3	101	5.0	116	4.3
830HO	3000K	750	119.4	6.3	128	5.9	140	5.3	132	5.7	137	5.5	114.5	6.6	103	7.3	116	6.5
830VHO	3000K	1000	124.4	8.0	129	7.7	137	7.3	136	7.4	141	7.1	120.5	8.3	N	I/A	122	8.2
835	3500K	500	122.7	4.1	130	3.9	141	3.5	133	3.8	138	3.6	119.0	4.2	104	4.8	120	4.2
835HO	3500K	750	123.2	6.1	133	5.6	145	5.2	136	5.5	141	5.3	119.4	6.3	106	7.1	121	6.2
835VHO	3500K	1000	124.6	8.0	137	7.3	141	7.1	140	7.1	138	7.3	124.4	8.0	N	I/A	126	8.0
840	4000K	500	122.7	4.1	130	3.9	141	3.5	133	3.8	138	3.6	119.0	4.2	104	4.8	120	4.2
840HO	4000K	750	123.2	6.1	133	5.6	145	5.2	136	5.5	141	5.3	119.4	6.3	106	7.1	121	6.2
840VHO	4000K	1000	124.6	8.0	137	7.3	141	7.1	140	7.1	138	7.3	124.4	8.0	N	I/A	126	8.0
90 CRI																		
927	2700K	500	100.3	5.0	106	4.7	113	4.4	109	4.6	113	4.4	97.3	5.1	81	6.2	98	5.1
927HO	2700K	750	102.7	7.3	104	7.2	112	6.7	107	7.0	109	6.9	97.1	7.7	N	I/A	135	7.4
930	3000K	500	108.3	4.6	113	4.4	123	4.1	116	4.3	120	4.2	105.1	4.8	89	5.6	106	4.7
930HO	3000K	750	105.9	7.1	112	6.7	123	6.1	115	6.5	120	6.2	102.6	7.3		I/A	104	7.2
935	3500K	500	107.9	4.6	112	4.4	122	4.1	115	4.3	119	4.2	104.6	4.8	89	5.6	106	4.7
935HO	3500K	750	105.5	7.1	112	6.7	123	6.1	114	6.6	120	6.3	102.2	7.3	N	I/A	103	7.3
940	4000K	500	107.9	4.6	112	4.4	122	4.1	115	4.3	119	4.2	104.6	4.8	89	5.6	106	4.7
940HO	4000K	750	105.5	7.1	112	6.7	123	6.1	114	6.6	120	6.3	102.2	7.3		I/A	103	7.3

Source: Blanco31

- CRI >90, R9 >92
- 3 Channel tunable white for precise black body curve CCT
- Allows for high color consistency between fixtures

- Self-commissioning with Wattstopper DLM integrated controls
- Requires Control Ordering Code B3LM (pg. 6)
- Requires Drive Ordering Code EC2 (pg. 4)

Blanco 3 Tunable White (TW3)

	Range	Shieldii	ng¹								
	_				HE			BW Batwing			
					High Effic	eiency					
	2700-	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft	
TW3	6500K	653	77	8.5	754	88	8.5	712	84	8.5	

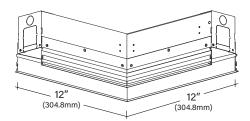
¹LPW and watts/ft based off 47" fixture size.

Length

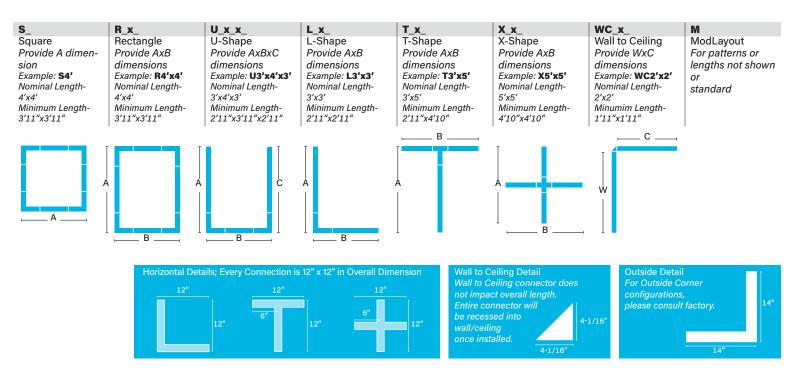
- All individual units cannot be joined, end trims are factory installed and cannot be removed
- Refer to Pattern section for specification and ordering options
- · Continuous Rows are made up of even and odd length fixtures; designed to fall on-grid



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





$\frac{1}{4}$

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 **G1** Continuous Run or Pattern G9 GB GS FL NF SF Screw Slot & 9/16" T-Bar 1" (15/16") T-Bar 9/16" T-Bar 9/16" T-Bar Metal Pan or Millwork Drywall, Flangeless Detail Exposed Standard 1/2" Flange to Flange: 3-13/16" (96.8mm) For 9/16" installations Flange to Flange: 3-7/16" (87.3mm) For tegular tile instal-Rail has bevel edge Flange Detail Flange to Flange: details. For tegular tile Flange to Flange lations, fixture position with tegular tile, fixture installations, fixture 4-1/8" (104.7mm) 5" (127mm) will not be flush to the position will be flush to position will be flush to bottom of the tile the bottom of the tile Flange to Flange: Flange to Flange: the bottom of the tile 3-13/16" (96.8mm) Flange to Flange: 3-13/16" (96.8mm) 3-13/16" (96.8mm) Standard Tile Tegular Tile Standard Tile Tegular Tile PM Optional Perimeter Mounting Includes bracket and wall Tegular Tile Tegular Tile Tegular Tile

Voltage

Some EV3D 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 = OL2
- Driver Lifetime: 50,000 hours at 25°C ambient operating conditions
- For more driver options see Pinnacle Resource Guide
- Some EV3D configurations will not accommodate all driver options; consult with factory

OL2	Osram Optotronic 1%, 0-10v, nominal 1% dimming range
OL3	Osram Optotronic 347v 10%, 0-10v, requires 347v option
OL5	Osram Optotronic 1%, 0-10v, AUX
OD1	Osram Optotronic 1%, DEXAL
EE1	eldoLED ECOdrive 1%, 0-10v Logarithmic
EE6	eldoLED ECOdrive 1%, for nLight Air Wireless
ES1	eldoLED SOLOdrive 0%, 0-10v Logarithmic
ES6	eldoLED SOLOdrive 0%, for nLight Air Wireless
LH1	Lutron Hi-lume Soft-on, Fade-to-black 1%, EcoSystem, LDE1
L51	Lutron 5-Series 5%, EcoSystem, LDE5
PL2	Advance Xitanium 1%, 0-10v
PR1	Advance Xitanium SR, requires EASY, VDO, or VRF
ND	Non-Dimming





How to specify Circuiting, Battery and Emergency



- Select fixture circuiting from options below
- Some EV3D configurations will not accommodate all circuiting options, consult with factory

Circuiting





- Battery and emergency section options are available in addition to fixture circuit
- Select battery and emergency section options below; factory shop drawing required
- Some EV3D configurations will not accommodate all circuiting options, consult with factory

Battery and/or Emergency If Required

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 is remote
- 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

0	No battery
_P	Bodine 10w Integral
_1	lota 10w Integral
_IC	lota 10w Integral CEC Listed
_A	Acuity Power Sentry 10W Integral (Requires eldoLED DRIVER)
Tmorgonou.	

Emergency

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

_ E	Emergency circuit section (NLIGHT ONLY full housing not sections)
_N	Night Light circuit section
_L	Life Safety circuit section NO THROUGH WIRE
_G	Bodine GTD, Generator Transfer Device section

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

Battery OR Emergency Ordering Examples

Single circuit, 10w Integral Battery
 Emergency only, 10w Integral Battery
 Single circuit, GTD required
 Ordering Code: E-1P
 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
- Consult factory for MR16 configurations

QS	Quick Ship
СР	Chicago Plenum
LMRA	Adjustable MR16 LED (not available with U voltage)
XLED	Fixed Xicato LED
PM	Perimeter Mount (not available in 2' or 3')
RC	Rotating Crossbar
GLR	Internal Fast Blow Fuse

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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EV3D_LED_SPEC_MARCH2021 pg. 5







Quick Ship

Shielding	CRI, CCT & Output	Mounting		Vol	tage	Drive	er	Cir	cuiting	Ba	ttery	Fir	nish
10-Day													
A HE BW WHE	80 CRI, all color tem- peratures, all lumen packages See pg 2	G1(G) G9(G) GS(G) FL(F) NF(N) SF(S)	1" T-Bar 9/16" T-Bar Screw Slot 1/2" Flange Flangeless Spackle Flange	U 1 2	Universal (120-277) 120V 277V		Osram 0-10v, 1% Advance Xitanium 1%, 1-10v Lutron LDE1 Non- Dimming	1 E N	Single Circuit Emergency Night Light	O _I	None lota 10w Integral	W S	White Silver

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

Controls

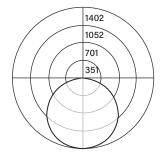
- Pinnacle Lighting offers easy to specify network control solutions that connect to an intelligent centralized system to maximize lighting energy efficiencies or integral sensors for individual fixture control
- Pinnacle Lighting fixtures ship technology ready; commissioning by others Controls can only 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/sensor per run typical, contact factory for more information
- Must specify required driver in Driver Section

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitations
DLMFC	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	Any 0-10v	Not available with Battery
DLMFS	Legrand Wattstopper LLLC	LMFS-601-W / LMFI-111	Wireless DLM Fixture Sensor	Wireless	DALI or 0-10v	0-10v requires interface
EASYS	Philips EasySense	SNS-200	Daylight/PIR Occupancy	Wireless to switches	PR1	Not available with 347 volt
SNSLM	Osram 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

Photometrics

Satine Lens

Test # Scaled from ITL93985, ITI 94132 relabeled EV3D-A-840VHO-4 Catalog # Lumens 4020 lm Watts Efficacy 124.6 LPW



Candela Distribution

Most Hesisental Angle

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1400	1400	1400	1400	1400
5	1393	1395	1397	1398	1399
15	1348	1344	1350	1350	1348
25	1253	1245	1253	1254	1247
35	1112	1104	1112	1108	1105
45	940	932	935	932	930
55	734	730	730	729	727
65	507	504	503	501	503
75	269	268	271	273	274
85	65	66	70	73	73
90	0	0	0	0	0

Luminance Data (cd/sq.m)

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

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 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 ongrid). 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.

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 = 121,600 hours and L90 = 36,200 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.

BIOS LED: Spectrum focused lighting for circadian stimulus. EML or M/P ratio: .8 for 3500K, .9 for 4000K. COI >3.0. Not all lumen packages available. 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.

CRI, CCT & Lumen Output: 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. 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 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 0-10V, 1% = OL2. 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 98°F/37°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 accom-

modate 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.

MR16: Ideal for conference rooms, corridors, wall washing, retail spaces and training facilities where accent lighting is required. Fully enclosed compartment eliminates light from entering into our fixture areas. LED lamps are not included. Consult factory for other lamp types. Standard 60 watt max LED electronic transformer (120v or 277v), MR16 installed as an independent circuit. MR16 to match fixture voltage. 277v dimmer must be sourced. Consult factory for MR16 configurations.

Controls: DLM utilizes wired network connections for digital control through switching and dimming. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with PIR or PDT using eldoLED LED drivers. nLight Air rIO module provides wireless control using eldoLED LED drivers. EasySense sensor provides daylight harvesting and PIR occupancy detection using the SR LED driver; the Philips app provides advanced configurations. ENCELIUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy; driver data is available when using the DEXAL driver. ENCELIUM SensiLUM sensor provides wireless control, daylight harvesting and PIR occupancy; driver data is available when using the DEXAL driver. WaveLinx Connected Lighting sensor provides wireless control and daylight harvesting using 0-10V LED drivers. Lutron Vive sensor provides wireless control, daylight harvesting and PIR occupancy detection using DEXAL or SR LED drivers. Lutron Vive module provides wireless control using DEXAL or SR LED drivers.

Labels: UL and cUL Listed. Standard, HO and VHO lumen packages are IC Rated, 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.