

EDGE EX4D

4" Suspended Direct Linear

Key Features

- 6063-T6 Extruded aluminum housing
- Highly reflective die-formed white painted reflector
- Room side maintenance for LED system
- 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
- Maximum weight is 20 lbs. for a standard 4' fixture
- Buy American Act compliant
- Run lengths available to an 1/8"



Example Part #: EX4D-HE-N-830HO-26'-AC48G1-U-OL2-1-0-W

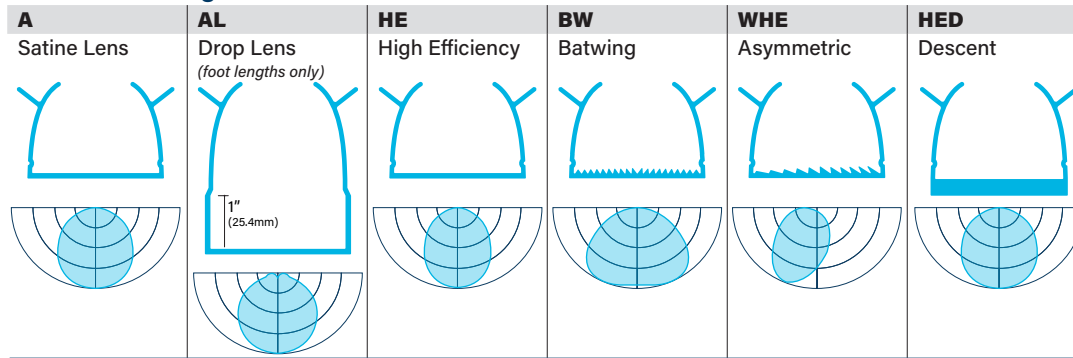
EX4D -	- N	-	-	-	-	-	-	-	-	-	-
DIRECT SHIELDING	INDIRECT SHIELDING	SOURCE	LENGTH OR PATTERN	MOUNTING	VOLTAGE	DRIVER	CIRCUITING	BATTERY & EMERGENCY	FINISH	FIXTURE OPTIONS	CONTROLS
---	N	---	---	---	---	---	---	---	---	---	---
DIRECT SHIELDING	INDIRECT SHIELDING	SOURCE <i>QS</i> ¹	LENGTH OR PATTERN ²								
A - Satine Lens <i>QS</i> AL - Drop Lens HE - High Efficiency <i>QS</i> BW - Batwing <i>QS</i> WHE - Asymmetric <i>QS</i> HED - Descent <i>Shielding pg. 2</i>	N - None <i>Shielding pg. 2</i>	27 - 2700K 30 - 3000K 35 - 3500K (<i>available as BIOS</i>) 40 - 4000K (<i>available as BIOS</i>) TW3 - Tunable White (<i>Blanco 3</i>) CL - Custom Lumens CW - Custom Watts MOD - Mod options available <i>Lumen Output pg. 2-3</i>	--- - Individual Fixture <i>QS</i> --- - Continuous Row <i>QS</i> S - Square <i>QS</i> R_x - Rectangle <i>QS</i> L_x - L Shape <i>QS</i> U_x - U-Shape T_x - T-Shape X_x_x - X-Shape MOD - Mod options available <i>Length and Pattern pg. 3-4</i>								
---	-	---	-	---	---	---	---	---	---	---	---
MOUNTING ³	VOLTAGE	DRIVER	CIRCUITING								
AC_G - (M)AC to Grid <i>QS</i> AC_JB - (M)AC to J Box <i>QS</i> AC_ST - (M)AC to Structure <i>QS</i> AC5_G - 5" Non-Power Canopy AC5_JB - 5" Non-Power Canopy SQ_G - 5" Square Canopy SQ_JB - 5" Square Canopy WA - Wall Mount <i>QS</i> S - Surface Mount <i>QS</i> MOD - Mod options available <i>mounting pg. 5</i>	U - Universal (<i>120 thru 277V</i>) <i>QS</i> 1 - 120V <i>QS</i> 2 - 277V <i>QS</i> 3 - 347V <i>Voltage pg. 5</i>	FSD - Factory Select Driver (<i>1%, 0-10v</i>) <i>QS</i> PL2 - Advance Xitanium (<i>1%, 0-10v</i>) <i>QS</i> OL2 - Osram (<i>1%, 0-10v</i>) <i>QS</i> OL4 - Osram 347v (<i>1%, 0-10v</i>) EE1 - eldoLED ECODrive (<i>1%, 0-10v</i>) ES1 - eldoLED SOLOdrive (<i>0.1%, 0-10v</i>) LH1 - Lutron Hi-lume (<i>1%, EcoSystem</i>) PR1 - Advance Xitanium SR MOD - Mod options available <i>Driver pg. 6</i>	1 - Single Circuit <i>QS</i> M - Multi Circuit E - Emergency (<i>entire fixture</i>) <i>QS</i> N - Night Light (<i>entire fixture</i>) <i>QS</i> <i>Circuiting pg. 6</i>								
---	---	---	---	---	---	---	---	---	---	---	---
BATTERY & EMERGENCY ⁴	FINISH	FIXTURE OPTIONS ⁵	CONTROLS ⁶								
0 - None <i>QS</i> FSB - Factory Select Battery FSG - Factory Select ALCR GI - Iota ETS DR GB - Bodine GTD IC - Iota 10W Integral <i>QS</i> P - Bodine 10W E - Emergency Section N - Night Light Section L - Life Safety Section <i>Battery and Emergency pg. 6,7</i>	W - White <i>QS</i> S - Metallic Silver <i>QS</i> BL - Textured Black <i>QS</i> BR - Bronze GR - Graphite CC - Custom Color <i>Finish pg. 7</i>	QS - Quick Ship <i>QS</i> TC - Indirect Top Cover (<i>ac mounting only</i>) DSP - Customer Supplied Battery/Driver/ Sensor MOD - Mod options available <i>Fixture Options pg. 7</i>	DLMFC - Wattstopper DLM (<i>wired</i>) DLMFS - Wattstopper LLC (<i>wireless</i>) EASYS - Philips EasySense (<i>wireless</i>) SNSLM - Encelium Sensilum (<i>wireless</i>) WVLX - Eaton Wavelinx (<i>wireless</i>) VDO - Lutron Vive Sensor (<i>wireless</i>) VRF - Lutron Vive Connected (<i>wireless</i>) ENL - Enlighted (<i>wireless</i>) MOD - Mod options available <i>Controls pg. 8</i>								

1. When specifying SOURCE the first _ is for specifying either 8 - 80CRI, or 9 - 90CRI. The ending _ _ are for specifying output, example HO - High Output. If specifying QS output is 80 CRI, all color temperatures, all lumen packages. Does not include Tunable White. See output charts for more information. 2. Individual fixtures come in 2', 3', 4', 5', 6', 7' & 8' lengths. Continuous row come in 1/8" increments. For Mod layouts specify pattern shape and overall dimensions. Example: L6x4: L pattern that is 6'x4'. 3. Specify AC Cable: Standard single AC = AC or Movable AC = MAC; Specify AC length standard AC is 48"; Specify grid: G1=15/16", G9=9/16", GS=Screw Slot. Example: AC48G1 4. Enter quantity for Battery and Emergency, Example 2P. 5. QS must be used in fixture options section of part number to qualify. 1/8" increments not available for QS. LMRP option only available with 120v. 6. 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.

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.



Direct Shielding



Indirect Shielding

N
None

Source: White LED¹

- Specify either 80 or 90 CRI
- Longer lead-time may apply for 90 CRI. Consult factory

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

80 CRI

	Color	Lumens per foot	Shielding ¹		AL		HE		BW		WHE		HED	
			A		Drop		High Efficiency		Batwing		Asymmetric		Descent	
			Satine LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
830SO	3000K	500	108	4.6	118	4.2	123	4.1	120	4.2	124	4.0	106	4.7
830HO	3000K	750	110	6.8	117	6.4	128	5.9	119	6.3	123	6.1	108	6.9
830VHO	3000K	1000	110	9.1	120	8.3	131	7.6	122	8.2	126	7.9	109	9.2
835SO	3500K	500	111	4.5	122	4.1	127	3.9	123	4.1	123	4.1	110	4.6
835HO	3500K	750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
835VHO	3500K	1000	114	8.8	124	8.0	133	7.5	126	7.9	131	7.7	113	8.9
840SO	4000K	500	111	4.5	122	4.1	127	3.9	123	4.1	123	4.1	110	4.6
840HO	4000K	750	111	6.8	121	6.2	132	5.7	123	6.1	127	5.9	112	6.7
840VHO	4000K	1000	114	8.8	124	8.0	133	7.5	126	7.9	131	7.7	113	8.9

90 CRI

927SO	2700K	500	89	5.6	98	5.1	104	4.8	99	5.0	102	4.9	88	5.7
927HO	2700K	750	90	8.3	99	7.6	106	7.1	99	7.6	102	7.3	89	8.4
927VHO	2700K	1000	90	11.1	99	10.1	106	9.4	100	10.0	104	9.7	88	11.4
930SO	3000K	500	97	5.1	104	4.8	113	4.4	106	4.7	109	4.6	96	5.2
930HO	3000K	750	99	7.6	106	7.0	113	6.6	108	6.9	112	6.7	97	7.7
930VHO	3000K	1000	98	10.2	107	9.4	116	8.6	108	9.2	112	8.9	97	10.3
935SO	3500K	500	97	5.2	104	4.8	113	4.4	105	4.7	109	4.6	96	5.2
935HO	3500K	750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
935VHO	3500K	1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3
940SO	4000K	500	97	5.2	104	4.8	113	4.4	105	4.7	109	4.6	96	5.2
940HO	4000K	750	98	7.6	106	7.1	112	6.7	108	7.0	111	6.7	97	7.7
940VHO	4000K	1000	98	10.2	106	9.4	116	8.6	108	9.3	112	9.0	97	10.3

Source: BIOS¹

- CRI >84, R9 >90
- Spectrum focused lighting for circadian stimulus
- High EML or M/P ratio: .8 for 3500K, .9 for 4000K

- COI: ≤3.3
- Available for use with most Driver or Control options

Custom Output - Lumens OR Wattage

CLB _____ Specify CRI, CCT and desired lumens (i.e. CL835500)

Specify lumens between standard offering listed below. Lumens are specified per color temp

CWB _____ Specify CRI, CCT and desired wattage (i.e. CW9407)

Specify watts between standard offering listed below

BIOS

	Color	Lumens per foot	Shielding ¹		HE		BW	
			A		High Efficiency		Batwing	
			Satine LPW	Watts/ft	LPW	Watts/ft	LPW	Watts/ft
B35	3500K	500	69	7.2	79	6.3	79	6.3
B35HO	3500K	750	69	10.9	80	9.4	79	9.6
B35VHO	3500K	1000	N/A		77	13.0	N/A	
B40	4000K	500	71	7.0	81	6.1	80	6.2
B40HO	4000K	750	70	10.6	82	9.1	81	9.3
B40VHO	4000K	1000	N/A		79	12.6	N/A	

¹LPW and watts/ft based off 48" fixture size.

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

EX4D_LED_SPEC_JUNE2023



Source: Blanco¹

- 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)

TW3	Range		Shielding ¹								
			A			HE			BW		
			Satine			High Efficiency			Batwing		
	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft	Lumens/ft	LPW	Watts/ft		
2700-6500K	635	74	8.6	720	84	8.6	712	83	8.6		

¹Lumens/ft LPW and watts/ft based off 48" fixture at full output at 4000K.

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

MOD			Required Driver	Required Control
	Color Changing RGB LED		EC1/EC4	DMX
	Color Changing RGB-W LED		EC1/EC4	DMX
	2 Channel Tunable White			

Length

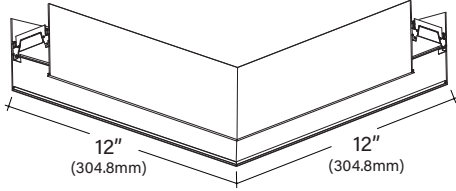
- For Continuous Runs, add 3/16" (4.7mm) for each end plate or 3/8" (9.5mm) to the overall length of the row
- BIOS and Blanco3 are only available in foot lengths

2	3	4	5	6	7	8	—
Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Indiv. Fixture	Cont. Run
24-3/8" (619.1mm)							Specify nominal overall row length to the 1/8" Longer lead-time may apply for lengths to the 1/8". Consult factory.
36-3/8" (934.8mm)							
48-3/8" (1228.7mm)							
60-3/8" (1533.5mm)							
72-3/8" (1838.3mm)							
84-3/8" (2143.1mm)							
96-3/8" (2447.9mm)							

Specify to the 1/8" >>>

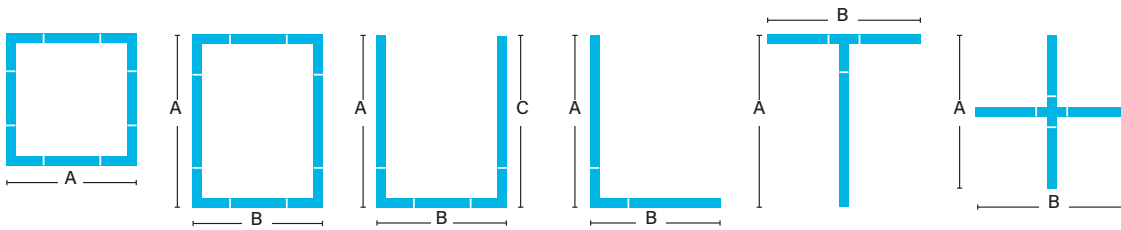


Pattern

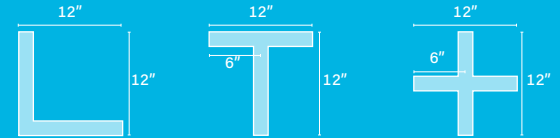


- Specify pattern shape and overall dimensions (includes corner dimensions)
- Refer to dimensions table below for available standard lengths
- All connectors are direct only
- 90 degree horizontal corners are 12"x12" (overall, outside dimension)
- Angles and shapes not shown require Mod Pattern; consult factory
- Only available with "A" or "HE" lens options

S_	R_x	U_x x	L_x	T_x	X_x
Square Provide A dimension Example: S4' Minimum Length- 4'x4'	Rectangle Provide AxB dimensions Example: R4'x4' Minimum Length- 4'x4'	U-Shape Provide AxBxC dimensions Example: U3'x4'x3' Minimum Length- 3'x4'x3'	L-Shape Provide AxB dimensions Example: L3'x3' Minimum Length- 3'x3'	T-Shape Provide AxB dimensions Example: T3'x5' Minimum Length- 3'x5'	X-Shape Provide AxB dimensions Example: X5'x5' Minimum Length- 5'x5'



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



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

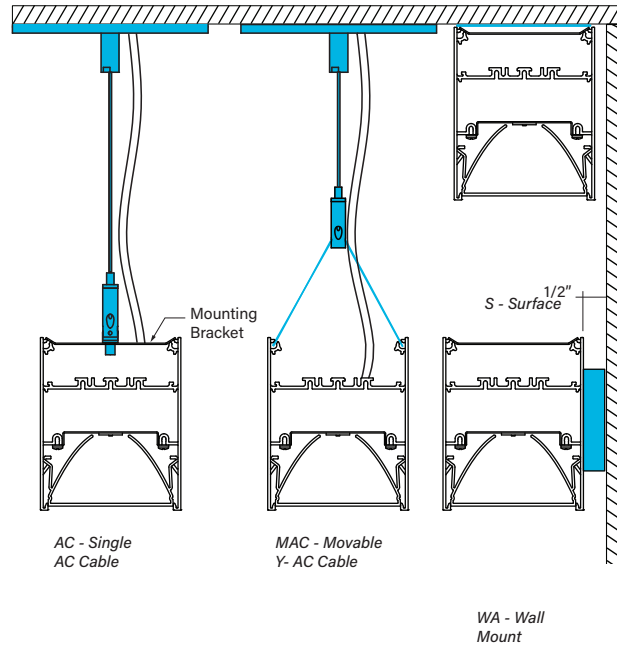


Mounting

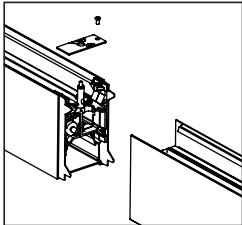
- Specify cable length in ordering code (AC48G1)
- Standard adjustable cable. Specify 48", 120", 240" or 350"
- End plates and power cord attached at factory
- Aircraft cable (AC) mounts on 4' (1219.2mm) and 8' (2438.4mm) centers
- Maximum recommended movable mounting locations are 12" from end of 4' fixture and 18" from end of 8' fixture
- Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies

- Canopies and pendants match fixture finish, power cords are white, grey, or black depending on fixture finish. See Finish section for additional details.
- Approved for dry/damp location unless otherwise noted
- Refer to installation instructions during installation at the job site
- Maximum fixture weight is 20 lbs for a standard 4' fixture
- Top Cover is optional on AC mounting fixtures, Top Cover is standard on others

AC_G1	Aircraft Cable 1" (15/16") T-Bar
AC_G9	Aircraft Cable 9/16" T-Bar
AC_GS	Aircraft Cable Screw Slot T-Bar
AC_JB	Aircraft Cable Junction Box
AC_ST	Aircraft Cable Structure
AC5_G	Aircraft Cable 5" (127mm) Non-Power Canopy
AC5_JB	Aircraft Cable 5" (127mm) Non-Power Canopy
SQ_G	Aircraft Cable 5" (127mm) Square Canopy
SQ_JB	Aircraft Cable 5" (127mm) Square Canopy
MAC_G1	Moveable AC 1" (15/16") T-Bar
MAC_G9	Moveable AC 9/16" T-Bar
MAC_GS	Moveable AC Screw Slot T-Bar
MAC_JB	Moveable AC Junction Box
MAC_ST	Moveable AC Structure
MAC5_G	Moveable AC 5" (127mm) Non-Power Canopy
MAC5_JB	Moveable AC 5" (127mm) Non-Power Canopy
MSQ_G	Moveable AC 5" (127mm) Square Canopy
MSQ_JB	Moveable AC 5" (127mm) Square Canopy
WA	Wall Mount
S	Surface Mount



Straight EDGE Joint System



- The Straight EDGE Joint comes standard for all runs.
- Two connection points – one to cinch fixtures together, the other to perfectly align all fixtures in a run.
- Factory-installed light shields on both sides of the fixture ensure no light leaks.
- Patented.

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
------------	-----------------------

Voltage

- Some EX2D configurations will not accommodate all voltage options; consult with factory

U	Universal
1	120 volt
2	277 volt
3	347 volt

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

EX4D_LED_SPEC_JUNE2023



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 EX2D 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, 0.1% Logarithmic
ES2	eldoLED SOLOdrive 0-10v, 0% Linear
OL5	Osram Optotronic 1%, 0-10v, AUX
PL5	Advance Xitanium 1%, 0-10v, AUX

DALI Drivers

EE3	eldoLED ECOdrive .1%, DALI (logarithmic)
ES3	eldoLED SOLOdrive .1%, DALI (logarithmic)
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%
PR1	Philips Advance Xitanium SR, requires EASYS, VDO or VRF
OD1	Osram Optotronic 1%, DEXAL
EH1	ELV 120v only, 0-10v universal
EC1	Constant Voltage LED driver, 120v or 277v required

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

- Select fixture circuiting from options below
 - Some EX2D 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

- Battery and emergency section options are available in addition to fixture circuit
 - Select battery and emergency section options below; factory shop drawing required
 - Some EX2D 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 2PL*
- 90 minute battery runtime; test button location dependant on configuration, consult factory
- No battery option available for 2' lengths
- Entire direct fixture housing is on battery for lengths up to 5'
- Half of direct fixture is on battery for 6' or 8' housing lengths
- For more battery options available, see Pinnacle Resource Guide

0	No Battery
_FSB	Factory Select Battery (10w option)
_FSBST	Factory Select Battery (10w, Self Testing)
_IC	lota 10w Integral
_ILL	lota 10w Integral Lithium, Self Testing
_IRH	lota 20w Remote
_P	Bodine 10w Integral
_PRH	Bodine 20w Remote
_PLL	Bodine 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

_FSG	Factory Select Automatic Load Control Relay (ALCR), UNV
_GI	Emergency Transfer Switch (ETS) DR Emergency Control Device, 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

Battery OR Emergency Ordering Examples

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

Combination Section Ordering Examples

- Single circuit, (1) 10w battery, (1) emergency section Ordering Code: 1-1PL1E
- Multi circuit, (2) 10w battery, (2) emergency sections Ordering Code: M-2PL2E
- 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

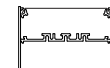
W	White (<i>white cord/white canopy</i>)
S	Metallic Silver (<i>grey cord/silver canopy</i>)
BL	Textured Black (<i>black cord/black canopy</i>)
BR	Bronze (<i>white cord/bronze canopy</i>)
GR	Graphite (<i>white cord/graphite canopy</i>)
CC	Custom Color (<i>white cord/color match canopy</i>)

Fixture Options

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

QS	Quick Ship
DSP	Customer Supplied Battery/Driver/Sensor
TC	Indirect Top Cover (<i>ac mounting only</i>)

4" (101.6mm)
4-1/2" (114.3mm)



*Cross section
with TC Option

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
	End Power Feed

Quick Ship

Shielding	CRI, CCT & Output	Mounting		Voltage	Driver		Circuiting		Battery		Finish		
10-Day													
A HE BW WHE	80 CRI, all color temperatures, all lumen packages <i>See pg 2</i>	(M)AC48G_ (M)AC48JB (M)AC48ST WA S	(M)AC to Grid (M)AC to J_BOX (M)AC to Stucture Wall Mount Surface Mount	U 1 2	Universal (120-277) 120V 277V	FSD PL2 OL2	Factory Select Driver (1%, 0-10v) Advance Xitanium 0-10v, 1% Osram 0-10v, 1%	1 E N	Single Circuit Emergency Night Light	0 _IC	None lota 10w Integral	W S BL	White Silver Black

All lengths and continuous rows up to 1,000 ft OR 150 individual fixtures. Black QuickShip only available in 4', 6', and 8' individual lengths. Consult factory for larger projects.

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

EX4D_LED_SPEC_JUNE2023



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; comissioning 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

	Solution	Components	Network/Sensor	Connection	Required Drivers	Limitations
DLMFC	Legrand Wattstopper DLM	LMFC-011	Digital Lighting Management (DLM)	Wired, two RJ45 ports	OL2, OL4	Not available with Battery
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	Encelium Sensilum	EN-CLM-PIR-DD-ZB	Encelium, Daylight/PIR Occupancy	Wireless	OD1, OL1, OL2	Not available with 347 volt
WLVX	Eaton Wavelinx	SWPD1, NSP3IVMVC1	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
ENLI	Enlighted	SU-5E-IOT, CU-4E	Enlighted, Daylight/PIR Occupancy	Wireless	Any 0-10v	Not available with 347 volt
ENLC	Enlighted	SU-5E-CL, CU-4E	Enlighted, Daylight/PIR Occupancy	Wireless	Any 0-10v	Not available with 347 volt

Controls: Tunable White

- Pinnacle Lighting offers easy to specify tunable white solutions for integrated building control solutions or standalone controls
- Pinnacle Lighting fixtures ship technology ready; comissioning by others
- Controls can only be used with Single Circuit (1) or Emergency Circuit (E)
- Contact factory for any non-standard configurations for layout or placement

	Solution	Components	Network/Sensor	Connection	Required Drivers	Required LED	Required Controls	Limitations
B3LM	Legrand Wattstopper Blanco 3	BLM3-DLM	Digital Lighting Management (DLM)	Wired, two RJ45 ports	EC2	TW3	B3LM	Not available with 347 volt

Controls: MOD Options

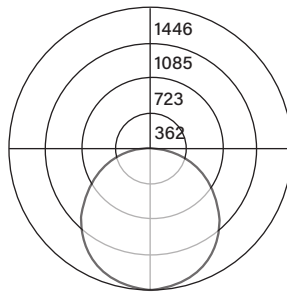
- Specify **MOD** in the part number for any of the below options
- Control** Options may require specific driver. Refer to the chart below
- Consult factory for **MOD** specification details, pricing, and lead-time information

MOD	Required Driver	
	Enlighted (Wireless) - ENLI	Any 0-10v
	Enlighted (Wireless) - ENLC	Any 0-10v
	Acuity nLight Air Wireless Connected	EE6, ES6

Photometrics

Satine Lens

Test # ITL91449
Catalog # EX4D-A-840VHO-4
Lumens 4125 lm
Watts 34.8 W
Efficacy 118.5 LPW



Candela Distribution

Vert Angle	Horizontal Angle				
	0	22.5	45	67.5	90
0	1446	1446	1446	1446	1446
5	1439	1440	1440	1440	1440
10	1422	1420	1423	1423	1423
15	1393	1383	1391	1392	1389
20	1347	1338	1346	1346	1344
25	1292	1280	1289	1289	1286
30	1225	1214	1222	1220	1217
35	1149	1137	1146	1141	1138
40	1062	1054	1059	1054	1052
45	969	960	963	958	954
50	865	859	860	854	852
55	756	751	750	743	744
60	641	635	633	629	626
65	522	518	516	511	511
70	399	395	392	391	391
75	276	275	275	274	275
80	161	163	164	164	166
85	67	67	69	69	69
90	0	0	0	0	0

Luminance Data (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11170	11101	10997
55	10744	10658	10573
65	10068	9952	9856
75	8692	8661	8661
85	6266	6453	6453

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.

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

EX4D_LED_SPEC_JUNE2023



Applications & Certificates

Construction: 6063-T6 Extruded aluminum housing. Highly reflective steel white painted reflector.

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

Mounting: Aircraft cable and wall mount available. Select from 2 aircraft cable options. Select the straight aircraft cable that mounts on 4'-0" (1219.2mm) and 8'-0" (2438.4mm) centers or the moveable adjustable Y-cable mount. The Y-Cable design allows for adjustable mounting locations. Aircraft Cable supplied with 5" (127mm) power and 2" (50.8mm) non-power canopies. Refer to installation instructions for appropriate ceiling detail. Canopies are painted white unless otherwise specified. Maximum fixture weight is 20 lbs. for a standard 4' fixture.

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. Lifetime Projection L70 = 146,500 hours and L90 = 45,000 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. 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.

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. 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.

Tunable White LED: Blanco 3; 3 Channel tunable white for precise black body curve CCT. Self-commissioning with Wattstopper DLM integrated controls. Custom lumen output and color temperature configurations require use of controls.

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 EDGE 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 122°F/50°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: 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 using eldoLED LED drivers. nLight Air rES7 sensor provides wireless control, daylight harvesting and occupancy detection with 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. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for IOT platform using 0-10v LED drivers. Enlighted Smart Sensor provides multi-functionality including daylight harvesting and PIR occupancy; for Connected platform using 0-10v LED drivers.

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.

Fixture Weight: Maximum fixture weight is 20lbs per 4' fixture.

Buy American Act Compliant

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