

Producer Combo

Linear LED Pendant with Track



PROJECT:

TYPE:

Features

The Producer-Combo is a linear LED pendant with track sections. At 10 watts per foot, it features a high efficient 60° or 80° batwing distribution, providing the right amount of light for your shelving displays. For more general illumination applications, a symmetrical distribution is offered. Available in 4'/6'/8' (*standard*) lengths, the Producer-Combo offers various color temperatures, an optional 20% uplight component, as well as 0-10V dimming. The Producer-Combo is an ideal choice for aisle or general lighting with the need for accent lighting in supermarkets.



Product Overview

Type: Cable Suspended, Direct
Wattage: 5W/ft, 10W/ft (*other wattages available see p2*)
Color Temp: 2700K, 3000K, 3500K, 4000K
CRI: 83 or 90+ typ.
Dimming: 0-10V, 1% dim, 120/277VAC (*standard*)
Lutron LDE1 Hi-lume® 1% Soft-On/Fade-to-Black
DALI, 1% dim

Certifications



Fixture Summary

Performance Data - Linear Section

Wattage per Foot	Delivered Lumens	LPW	Color Temp	CRI
5	2508	125.4	3500K	83
10	5016	132.4	3500K	83

Data is based on 3500K-83 120V IES files available on website.

Data is based on 4' fixture with 60° Batwing lens.

Runs

Individual Runs: 2' - 8' (*whole foot standard*).

Continuous Runs: Available (*whole foot standard*).

Electrical Data

Wattage per Foot	Voltage	4'		8'	
		System Watts	Amps	System Watts	Amps
5	120V	22.3	0.18	41.9	0.35
	277V	22.9	0.09	41.6	0.16
10	120V	42.1	0.35	84.2	0.70
	277V	41.5	0.15	83.0	0.30

Electronic multi-volt (120-277VAC), constant current LED driver.

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Ordering Information

PROD-COMBO		/		/ CT													
1	2	3	4	5	6	7	8	9	10	11	12						
1	Model	2	Optics - Linear Direct			3	Track										
PROD-COMBO		<div> <div>_____ X _____</div> <div>(Total Feet of Optic) (Optic)</div> </div>			<div> <div>_____ X _____</div> <div>(Total Feet of Track) (Track)</div> </div>												
		<div> <div># of feet</div> <div>BAT60 batwing 60°</div> <div>BAT80 batwing 80°</div> <div>DL designer lens, symmetrical distribution</div> </div>			<div> <div># of feet</div> <div>1CT Contech track, 1 circuit</div> <div>2' minimum track section.</div> </div>												
4	Mounting			5	Wattage (per foot)		6	Color Temp									
<div>Pendant Mount (aircraft cable suspension)</div> <div>ASW10 through ceiling tile or gyp board, white, 10'</div> <div>ASW20 through ceiling tile or gyp board, white, 20'</div> <div>ASB10 through ceiling tile or gyp board, black, 10'</div> <div>ASB20 through ceiling tile or gyp board, black, 20'</div> <div>ASW10T over ceiling tee, white, 10'</div> <div>ASW20T over ceiling tee, white, 20'</div> <div>ASB10T over ceiling tee, black, 10'</div> <div>ASB20T over ceiling tee, black, 20'</div> <div>1420P mounting plate gripper with 1/4"-20 x 3/8" stud, power feed by others</div>				<div>Standard</div> <div>5 5W/ft</div> <div>10 10W/ft</div>		<div>Optional</div> <div>3 3W/ft</div> <div>4 4W/ft</div> <div>6 6W/ft</div> <div>7 7W/ft</div> <div>8 8W/ft</div> <div>9 9W/ft</div>		<div>83 CRI</div> <div>27 2700K-83</div> <div>30 3000K-83</div> <div>35 3500K-83</div> <div>40 4000K-83</div>		<div>90+ CRI</div> <div>279 2700K-90+</div> <div>309 3000K-90+</div> <div>359 3500K-90+</div> <div>409 4000K-90+</div>							
7	Finish			8	Voltage		9	Length		10	Configuration						
<div>HW high reflectance matte white</div> <div>BT black texture</div> <div>ST silver texture</div> <div>For other RAL color, consult factory</div>				<div>120</div> <div>120/277</div>		<div>_____</div> <div>(Total = #2 + #3)</div>		<div>IND¹ individual fixture, 4', 6' or 8' lengths</div> <div>CON continuous run > than 8' in 1' increments</div>									
11	Drivers/Controls					12	Options/Accessories										
<div>O-10V 1% electronic dimming, multi-volt, 120-277VAC, constant current (standard)</div> <div>HILUME-H-ECO Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black</div> <div>DALI DALI dimming 120-277VAC, 1% dim</div>						<div>LVRHW straight blade louver, high reflectance white</div> <div>LVRBT straight blade louver, black texture</div> <div>LVRST straight blade louver, silver texture</div> <div>(Louvers are used in conjunction with lens)</div> <div>UL uplight (20%)</div> <div>UL8 uplight (8%)</div> <div>PF² Extra power feed for emergency circuit or additional circuiting</div> <div>EMB emergency battery pack (not available for lengths under 4')</div> <div>EMC-PF emergency circuit requires power feed located in last fixture section (for other locations consult factory)</div>											

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TYPE:

Specifications

Application

Pendant direct symmetric or batwing lens distribution for aisle, shelving or general ambient lighting. Optional 20% uplight component adds a feeling of volume to the space. Track sections also available to incorporate Accent lighting for highlighting display areas.

Construction

One piece extruded aluminum housing. Die-cast End Plates match fixture body finish. Die-formed, cold-rolled steel internal components are protected against rust and corrosion. Dual Wire Way wiring chassis. 1 circuit Contech track. (*Track Heads sold separately*)

Optical

All lenses are snap-in, extruded acrylic, with a maximum length of 8'.

DL - Designer Lens provides flat even glow on lens. Best when lens is in direct or constant view. Such as vertical wall mounted.

BAT60 - 60° batwing distribution for wide light distribution.

BAT80 - 80° batwing distribution for very wide light distribution.

Optional:

UL - Optional uplight component (12" every 4'-0"). Shares driver with downlight component and creates an 80% down/20% up fixture.

(*Wattage remains constant*)

UL8 - Optional uplight component (4" every 4'-0"). Shares driver with downlight component and creates an 92% down/8% up fixture.

(*Wattage remains constant*)

LED

Amerlux's boards and patented connector design with brand name LEDs enables Amerlux fixtures to have excellent thermal management and offer a 5 year warranty. Our LED binning is within 3 MacAdam ellipse. Boards are configured for maximum flexibility resulting in even illumination no matter what the fixture layout. LED boards are easily replaced in the field with just a Phillips screw driver.

Color Temperature Options: 2700K, 3000K, 3500K, 4000K

CRI: 83 typical, 90+ typical

R9: 16 @ CRI 83; **R9:** >50 @ CRI 92

Life: 50,000+ hr., > 70% of initial lumens (L70)

Electrical

LED = Line 1, Track = Line 2

Wiring: Individual and "Beginning of Run" (BOR) fixtures are prewired with power cord. All configurations have quick connect power harnesses for row connections.

Standard Wattage: 5W/ft, 10W/ft.

Optional Wattages: 3W/ft, 4W/ft, 6W/ft, 7W/ft, 8W/ft, 9W/ft. (*3W & 4W have a minimum length of 4'*). For other wattages consult factory.

Emergency circuit via remote inverter or auxiliary emergency power supply (*by others*).

This product complies with IEEE C62.41 for surge endurance up to 2.5KV.

Amerlux® recommends using additional surge protection with this unit (supplied by others), surge over voltage damage is not covered under warranty.

PF - power feed

2PF - two power feeds, one for LED section and one for track section

EMB - Emergency battery pack

Finish

All painted surfaces are premium powder coated baked on for maximum durability and color stability.

HW - High reflective matte White

BT - Black Texture

ST - Silver Texture

For special paint colors supply RAL and/or actual paint chip for factory consultation.

Mounting

Intended to be pendant mounted Individual fixtures or in continuous rows.

Cable Suspension: Cable is stranded stainless steel wire. All fittings are protected against rust and corrosion. Canopies are 5" x 1/4" die formed painted steel. Adjustment mechanism allows for infinite height adjustment. Amerlux recommends the required feed and non-feed suspensions based upon length and electrical options.

Certifications

Approved to UL standards for damp locations as tested by CSA.

Intended for indoor use only

Warranty

Amerlux's 5 year limited warranty. Please consult Amerlux website for details.



Producer Combo

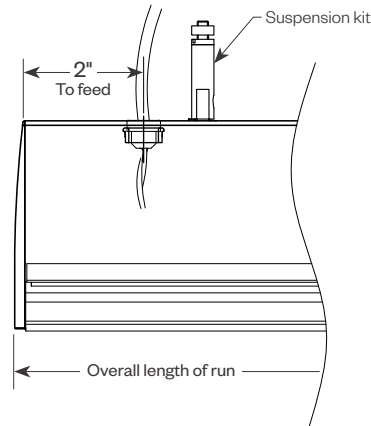
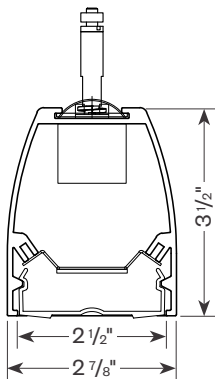
Linear LED Pendant with Track



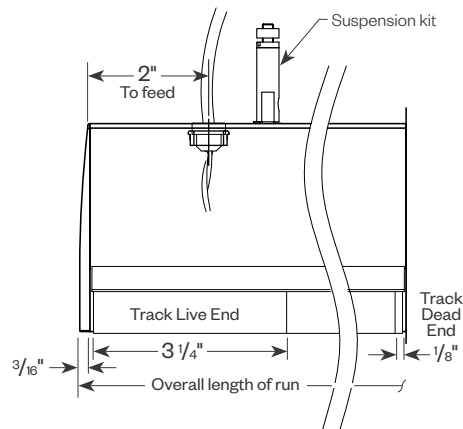
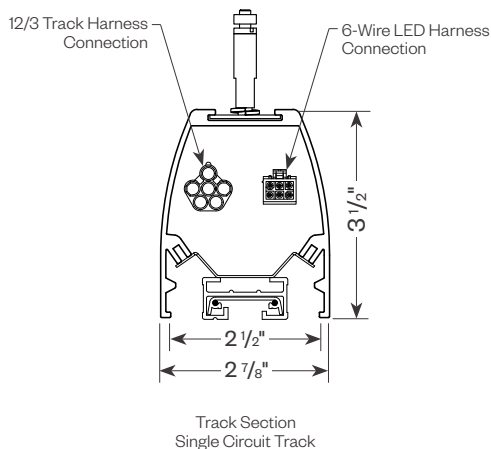
PROJECT:

TYPE:

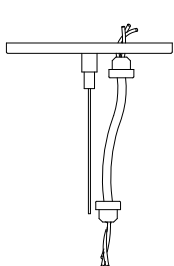
Product Details



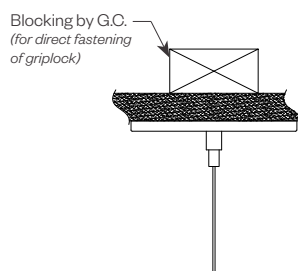
With Track



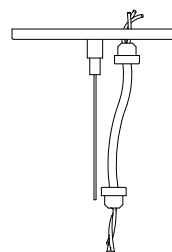
Suspension



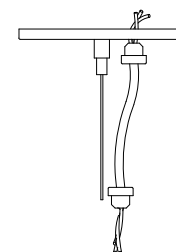
LED Power Feed Canopy
(Circuit A with 2LE Option)
A/C Cable with 18/6 Cord
White Canopy 5" dia.
Length: ASW5 - 5' length
ASW10 - 10' length
ASW20 - 20' length



NON-Feed Suspension Point
A/C Cable
White Canopy 5" dia.
Length: ASW5 - 5' length
ASW10 - 10' length
ASW20 - 20' length



Track Power Feed Canopy
A/C Cable with 12/3 Cord
White Canopy 5" dia.
Length: ASW5 - 5' length
ASW10 - 10' length
ASW20 - 20' length



Circuit B Power Feed Canopy
A/C Cable with 18/6 Cord
White Canopy 5" dia.
Length: ASW5 - 5' length
ASW10 - 10' length
ASW20 - 20' length

Note: Each fixture on Circuit B to have its own feed.

Producer Combo

Linear LED Pendant with Track

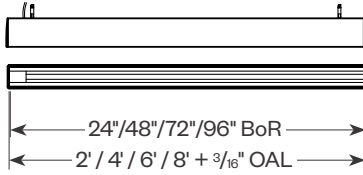


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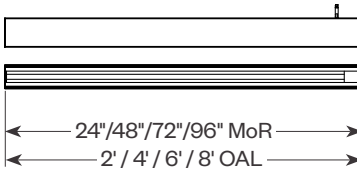
TYPE:

Producer Track Sections

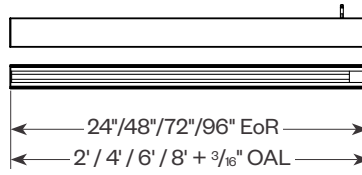
BOR



MOR

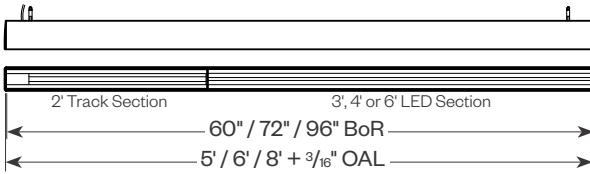


EOR

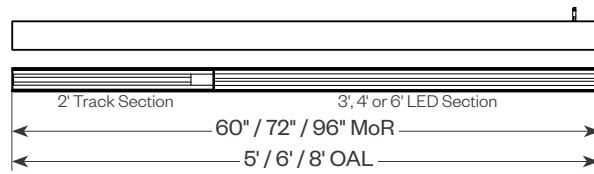


EXAMPLE ROW LAYOUTS (SHOWN WITH 2' TRACK SECTION)

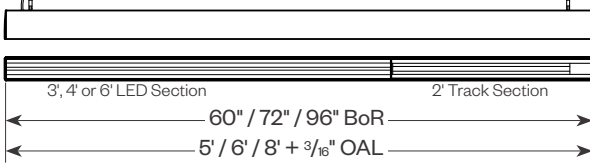
5', 6' or 8' L BOR or L BOR-PF or 2PF



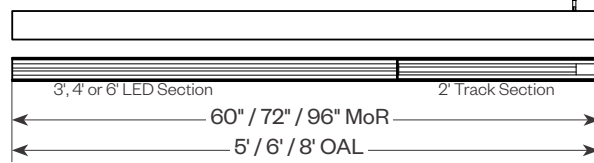
5', 6' or 8' L MOR or L MOR-PF



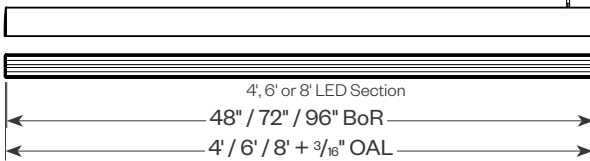
5', 6' or 8' R BOR or R BOR-PF or 2PF



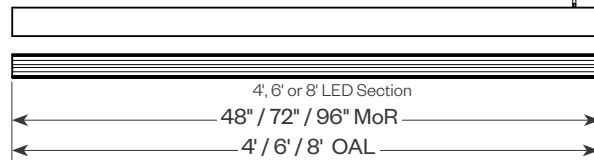
5', 6' or 8' R MOR or R MOR-PF or 2PF



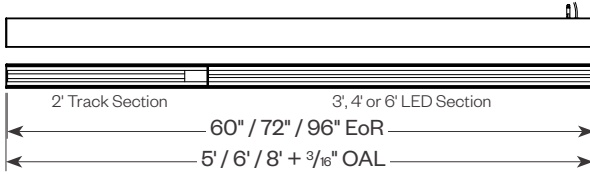
4', 6' or 8' BOR or BOR-PF



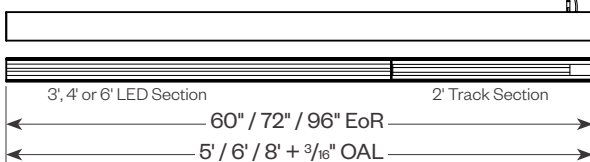
4', 6' or 8' MOR or MOR-PF



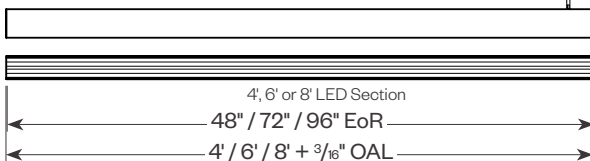
5', 6' or 8' L EOR or L EOR-PF



5', 6' or 8' R EOR or R EOR-PF



4', 6' or 8' EOR or EOR-PF



Producer Combo

Linear LED Pendant with Track



PROJECT:

TYPE:

Performance Data

Multiplying Factors: (Multiplying Factor is based on 3500K-83 120V IES file on website)

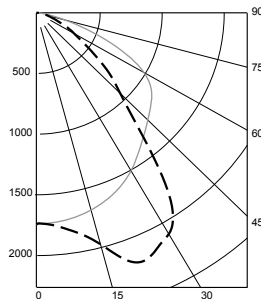
Wattage:	3W	4W	5W	6W	7W	8W	9W	10W
Factor:	0.36	0.46	0.56	0.66	0.76	0.85	0.93	1.0

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.91	0.96	1.0	1.01	0.80	0.84	0.88	0.89

PRODUCER DIRECT, BAT60, 10W 3500K 4FT

Total Watts: 38; Total Lumens: 5,016

Source: 128 White LED's



LTL# 13360049.01

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2739	54.6
0-60	4452	88.8
0-90	5016	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 132.4 lm/W

COEFFICIENTS OF UTILIZATION

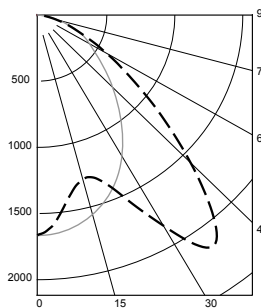
RC	80			
RW	70	50	30	10
RCR				
0	119	119	119	119
1	110	106	103	99
2	102	94	88	83
3	93	84	77	71
4	86	75	67	61
5	79	68	59	53
6	74	61	53	47
7	68	55	47	41
8	64	51	43	37
9	59	47	39	33
10	56	43	35	30

Note: Values expressed as % of total lumen output delivered to the task surface.

PRODUCER DIRECT, BAT80, 10W 3500K 4FT

Total Watts: 38; Total Lumens: 4,886

Source: 128 White LED's



LTL# 13360049.02

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2124	43.5
0-60	4079	83.5
0-90	4886	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 129.2 lm/W

COEFFICIENTS OF UTILIZATION

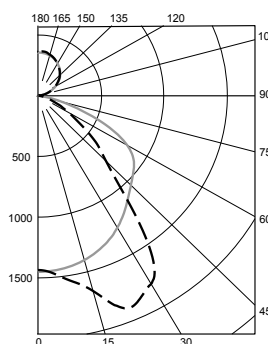
RC	80			
RW	70	50	30	10
RCR				
0	119	119	119	119
1	109	105	101	97
2	100	92	85	79
3	91	80	72	66
4	83	71	62	56
5	76	63	54	48
6	70	57	48	41
7	65	51	42	36
8	60	46	38	32
9	56	42	34	28
10	52	39	31	26

Note: Values expressed as % of total lumen output delivered to the task surface.

PRODUCER DIRECT, BAT60, 10W 3500K 4FT W/UPLIGHT

Total Watts: 38; Total Lumens: 5,266

Source: 128 White LED's (Direct) and 24 White LED's (Indirect)



LTL# 13402658.01

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2310	43.9
0-60	3754	71.3
0-90	4222	80.2
90-180	0	0.0

Efficacy (lumens/watt) = 141 lm/W

COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
RCR				
0	114	114	114	114
1	106	102	98	95
2	97	90	84	79
3	89	80	73	67
4	82	71	63	57
5	76	64	56	50
6	70	58	49	44
7	65	52	44	39
8	60	48	40	34
9	56	44	36	31
10	53	40	33	28

Note: Values expressed as % of total lumen output delivered to the task surface.



Delta Intelligent Building Technologies

Producer Combo

Linear LED Pendant with Track



PROJECT:

TYPE:

Performance Data *(continued)*

Multiplying Factors: *(Multiplying Factor is based on 3500K-83 120V IES file on website)*

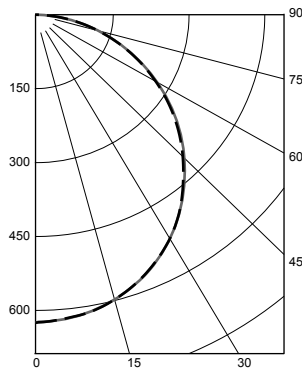
Wattage:	3W	4W	5W	6W	7W	8W	9W	10W
Factor:	0.63	0.82	1.0	1.17	1.34	1.50	1.64	1.79

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.91	0.96	1.0	1.01	0.80	0.84	0.88	0.89

PRODUCER, SYMMETRICAL, 5W 3500K 4FT

Total Watts: 19; Total Lumens: 1,795

Source: 128 White LED's



LTL# 13170267.27

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fxt
0-40	791	44.1
0-60	1395	77.7
0-90	1795	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 92.9 lm/W

COEFFICIENTS OF UTILIZATION

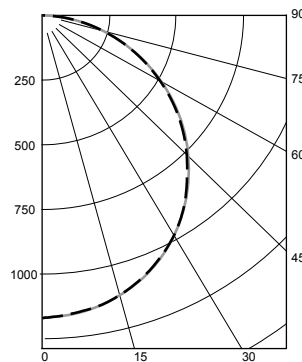
RC	80			
RW	70	50	30	10
ROR				
0	119	119	119	119
1	108	104	99	95
2	98	90	83	77
3	90	79	71	64
4	82	70	61	54
5	75	62	53	46
6	70	56	47	41
7	65	51	42	36
8	60	46	38	32
9	56	43	34	29
10	53	39	31	26

Note: Values expressed as % of total lumen output delivered to the task surface.

PRODUCER, SYMMETRICAL, 10W 3500K 4FT

Total Watts: 39; Total Lumens: 3,358

Source: 128 White LED's



LTL# 13170267.28

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fxt
0-40	1480	44.1
0-60	2611	77.7
0-90	3358	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 88.7 lm/W

COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
ROR				
0	119	119	119	119
1	108	104	99	95
2	98	90	83	77
3	90	79	71	64
4	82	70	61	54
5	75	62	53	46
6	70	56	47	41
7	65	51	42	36
8	60	46	38	32
9	56	43	34	29
10	53	39	31	26

Note: Values expressed as % of total lumen output delivered to the task surface.

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PROJECT:

TYPE:

Static White - Dimming Compatibility

Amerlux® Linea® fixtures are compatible with all major dimming protocols prevalent in the United States. Please see below for general compatibilities and wiring diagrams. Amerlux recommends testing your unique dimming configuration as the exact full configuration (*Dimmer, Fixture Quantity, Voltage, etc*) may affect dimming performance.

--- NOTE: INFORMATION BELOW IS FOR WIRED DIMMERS ONLY. FOR WIRELESS DIMMERS, CONSULT FACTORY ---

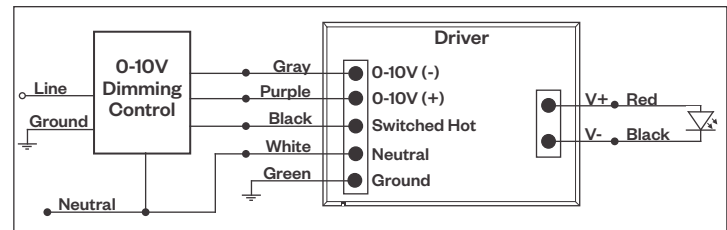
0-10V - DIMMING (Standard)

Integrates into a variety of building management and daylighting controls

Notes:

- 120V or 277V*
- Dims down to 1% light output
- Requires interface to turn off power to driver
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

0-10V Wiring Diagram



Compatible Dimmers*:

Wall Box			Central System
Lutron:	Wattstopper:	Leviton:	Lutron Grafikx Eye with GRX-TV1 Interface
Diva - DVSTV	ADF-120277	Renoir II	
Maestro - MS-Z101			
Nova-T - NTSTV-DV			

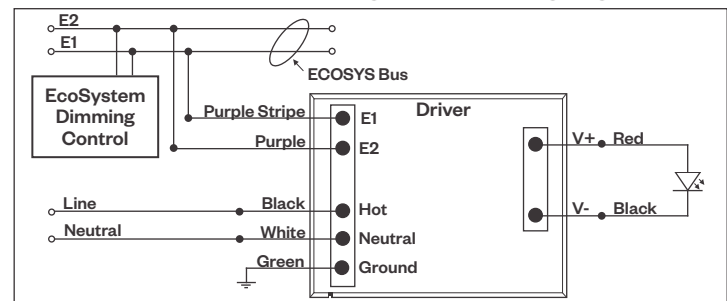
LUTRON LDE1 DIMMING

Integrates into Lutron EcoSystem building management

Notes:

- 120VAC or 277VAC*
- Dims down to 1% Soft-On/Fade-to-Black
- EcoSystem Control
- Consult Dimming manufacturer for installation instructions - **DO NOT SHARE NEUTRALS!**

LDE1 (HILUME-H-ECO) EcoSystem Digital Control Wiring Diagram



Compatible Dimmers*:

Lutron ECO System	Central System
Pow Pak Dimming Modules	Lutron EcoSystem compatible controls
Energizer Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

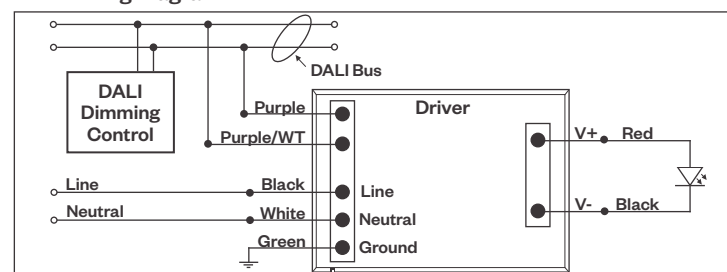
DALI - DALI DIMMING 120V-277V

Digital control protocol allows individual fixture control

Notes:

- 120VAC - 277VAC*
- Dims down to 1% light output in most cases

DALI Wiring Diagram



Notes:

* Driver is 277VAC dimmable with appropriate dimmer (*by others*). All provided wiring diagrams show 120VAC wiring colors and method. Please refer to 277VAC dimmer installation instructions for 277VAC wiring diagrams.

* The absence of a dimmer from the lists above does not imply incompatibility. Please consult factory for compatibility inquiries.