Linea® 3.5"
Linear Direct/Indirect

amerlux

PROJECT:	TYPE:

## Features

The Linea® 3.5" Direct LED ambient system is a small-scale 3.5" extruded profile that provides well-controlled ambient lighting. Engineered around the latest LED, in a choice of 5W/ft or 10W/ft LED boards. Excellent for commercial and retail ambient applications. Downlight component available with acrylic lens or parabolic louver options.

LIN3.5DI

Shown with SLD
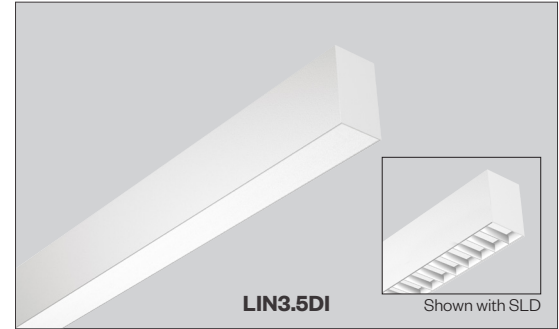
Product Overview

Type: Cable Suspended or Wall Mounted Linear, Direct/Indirect

Wattage: 5W/ft, 10W/ft *(other wattages available see p2)*

Color Temp: 2700K, 3000K, 3500K, 4000K; Tunable White *(2700K-5700K)*

CRI: 83 or 90+ typ. *(2700K, 3000K, 3500K, 4000K)*
90+ *(Tunable White)*

	Static White	Tunable White
Dimming *(wired)*:	0-10V, 1% dimming *(standard)*	0-10V TW, 1% dimming
	Lutron LDE1 Hi-lume® 1% Dim Soft-On/Fade-to-Black	DALI DT8, 1% digital dimming
	DALI dimming, 1% dim	
Dimming *(wireless)*:	Lutron Athena *(integral wireless RF node)*	Lutron Athena TW *(integral wireless RF node)*
	BubblyNet Bluetooth	

Certifications

CSA c us

5 year limited warranty AMERLUX LED

TW

Fixture Summary

Performance Data

Nominal	Delivered Lumens				Color	
Wattage/Foot	Direct	Indirect	Total	LPW	Temp	CRI
5/5	2343	2644	4987	133.7	3500K	83
10/10	4401	4989	9390	126.9	3500K	83

Data is based on 3500K-83 120V IES files available on website.
Data is based on 4' fixture with Performance Lens direct and Upper Clear lens indirect.

Runs

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

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

Custom: Made to measure lengths available *(nearest 1/8" of field dimensions)*. *Requires approval drawings. Added cost & lead time.*

Electrical Data

Wattage per Foot	Voltage	4'		8'	
		System Watts	Amps	System Watts	Amps
5	120V	37.3	0.31	74.6	0.62
	277V	37.3	0.14	74.6	0.27
10	120V	74	0.62	148	1.23
	277V	74	0.27	148	0.53

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

Standard Patterns

⌐	⌐	⌐	☐	⌐	Wall to Ceiling	Custom*
Yes	Yes	Yes	Yes	Yes	No	Yes

* Submit drawing, consult factory.

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Linea® 3.5"
Linear Direct/Indirect

amerlux

PROJECT:	TYPE:

Ordering Information

LIN3.5DI-A16 . _____ . _____ . ____ . _____ . _____ . _____ . **120/277** . _____ . _____ . _____ . _____

1 | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12**

1	Model
	LIN3.5DI-A16†

2 | Optics *(select 1 from each list)*

Direct
- **PL** performance lens *(standard)*
- **DL** designer lens
- **SLDW** straight blade louver, white aluminum, solid blades w/overlay
- **SLDB** straight blade louver, black, solid blades w/overlay
- **SLDS** straight blade louver, silver, solid blades w/overlay

Indirect
- **BAT** batwing uplight *(standard)*
- **UC** upper clear lens cover

3 | Mounting

Pendant Mount *(aircraft cable suspension)*
- **ASW04** through ceiling tile or gyp board, white, 4'*
- **ASW10** through ceiling tile or gyp board, white, 10'
- **ASW20** through ceiling tile or gyp board, white, 20'
- **ASB04** through ceiling tile or gyp board, black, 4'*
- **ASB10** through ceiling tile or gyp board, black, 10'
- **ASB20** through ceiling tile or gyp board, black, 20'
- **ASW04T** over ceiling tee, white, 4'*
- **ASW10T** over ceiling tee, white, 10'
- **ASW20T** over ceiling tee, white, 20'
- **ASB04T** over ceiling tee, black, 4'*
- **ASB10T** over ceiling tee, black, 10'
- **ASB20T** over ceiling tee, black, 20'
- ***4' (xxx04) is standard length, other lengths are additional charge**

Wall Mount
- **WM** wall mount

4	Circuiting
	1 single circuit
	2 up/down switch separately

5 | Wattage *(per foot, D/I)*
- **5/5**
- **10/10**
- **5/10**
- **10/5**
- *Consult factory for other wattage options.*
- *Note: 3' units must use same wattage for D/I components.*

6 | Color Temp

Static White
27 2700K-83	**279** 2700K-90+
30 3000K-83	**309** 3000K-90+
35 3500K-83	**359** 3500K-90+
40 4000K-83	**409** 4000K-90+

Tunable White
- **TW9-2757** tunable white, 90CRI *(2700K-5700K)*

7 | Finish
- **HW** high reflectance matte white
- **BT** black texture
- **ST** silver texture
- *For other RAL color, consult factory*

8	Voltage
	120/277

9 | Length

Length A	Length B	Length C
- all patterns	- all patterns	- PU
- IND	- PR *(2 lengths of 2)*	- PZ
- CON		
- CUS		

_____ X _____ X _____

10 | Configuration
- **IND**[1] individual fixture, 2' to 8' in 1' increments
- **CON** continuous run > than 8', specify to nearest foot
- **CUS** custom made to measure, +/- 1/8" of customer supplied field dimensions

Standard Patterns *(see pg 6 for details)*
- **PLL** L left, *(2)* straights + *(1)* 90° corner, leg right
- **PLR** L right, *(2)* straights + *(1)* 90° corner, leg left
- **PU** U shape, *(3)* straight lengths + *(2)* 90° corners
- **PR** Rectangle shape, *(4)* straight lengths + *(4)* 90° corners
- **PZ** Z shape, *(3)* straight lengths + *(2)* 90° corners
- *For custom patterns, submit an EDR on amerlux.com.*

11 | Drivers/Controls

Wired - Static White
- **0-10V** 1% analogue dimming, 120-277VAC, dim to off when selected with wireless dimming control
- **HILUME-H-ECO** Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black
- **DALI** DALI dimming 120-277VAC, 1% dim

Wired - Tunable White
- **0-10V-TW** 1% dimming, multi-volt *(120V-277V)* constant current
- **DALI-DT8** 1% digital dimming, CCT control per DALI DT8 *(120V-277V)* constant current

Wireless - Static White
- **AWNR-WH-SR** Lutron Athena wireless node, RF only, white, D4i/DALI-2
- **AWNR-BL-SR** Lutron Athena wireless node, RF only, black, D4i/DALI-2
- **AWNR-WH-010** Lutron Athena wireless node, RF only, white, 0-10V
- **AWNR-BL-010** Lutron Athena wireless node, RF only, black, 0-10V
- **AWNR-OCC-WH-SR** Lutron Athena wireless node, Occupancy & Daylight sensor, white, D4i/DALI-2
- **AWNR-OCC-BL-SR** Lutron Athena wireless node, Occupancy & Daylight sensor, black, D4i/DALI-2
- **AWNR-OCC-WH-010** Lutron Athena wireless node, Occupancy & Daylight sensor, white, 0-10V
- **AWNR-OCC-BL-010** Lutron Athena wireless node, Occupancy & Daylight sensor, black, 0-10V
- **BN-BT-OCC-WH-SR** BubblyNet Bluetooth node, Occupancy & Daylight sensor, white, D4i/DALI-2
- **BN-BT-OCC-WH-010** BubblyNet Bluetooth node, Occupancy & Daylight sensor, white, 0-10V

Wireless - Tunable White
- **AWNR-WH-SR-TW** Lutron Athena wireless node, RF only, white, D4i/DALI-2
- **AWNR-BL-SR-TW** Lutron Athena wireless node, RF only, black, D4i/DALI-2
- **AWNR-OCC-WH-SR-TW** Lutron Athena wireless node, Occupancy & Daylight sensor, white, D4i/DALI-2
- **AWNR-OCC-BL-SR-TW** Lutron Athena wireless node, Occupancy & Daylight sensor, black, D4i/DALI-2

12 | Options/Accessories
- **EMC-PF**[2] emergency circuit requires power feed located in last fixture section *(for other locations consult factory)*
- **PF**[2] Extra power feed for additional circuiting
- **EMB** emergency battery pack *(not available for lengths under 4')*

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† The "A" refers to the sequential revision in a year and "XX" refers to the year of update. Updates coincide with improved performance while not changing the overall fixture aesthetic and are reflected in the published performance data. Please contact your Amerlux representative for explanations of changes.

[1] Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.

[2] Not available with IND *(individual)* configuration.

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Linea® 3.5"
Linear Direct/Indirect

PROJECT:	TYPE:

Specifications

Application
Open office plan, conference rooms, corridors or any indoor retail space where an exciting combination of direct and indirect ambient lighting is desired.

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.

Optical
Direct:
All Direct lenses are snap-in, extruded acrylic, with a maximum length of 8". Amerlux's proprietary acrylic lens provides excellent transmission while effectively concealing source image.
PL - Performance Lens provides high efficiency with controlled lens surface brightness *(standard)*.
DL - Designer Lens provides flat even glow on lens. Best when lens is in direct or constant view.
SLDx - Straight blade Louver Direct has 0.5" high blades 0.81" on center. Available in *(W)* white aluminum *(light gray, appears white when lit)*, *(B)* black or *(S)* silver.
Indirect:
Extruded acrylic lens with a maximum length of 8'.
BAT - Batwing uplight lens *(standard)* spreads light directly above fixture. A minimum of 18" distance between ceiling plane and top of fixture is suggested.
UC - Upper Clear lens cover *(optional)*.

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.

	Static White	Tunable White
CCT:	2700K, 3000K, 3500K, 4000K	2700K-5700K
CRI:	83 or 90+ typical	90+ *(92 typ)*
R9:	16 @ CRI 83; >50 @ CRI 90+	>50

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

Electrical
Wiring: Individual and "Beginning of Run" *(BOR)* fixtures are prewired with power cord. All configurations have quick connect power harnesses for row connections.
   1 - 1 Circuit, direct & indirect same circuit
   2 - 2 Circuits, direct & indirect switch separately *(power feed at both ends)*.
Standard Wattage: 5W/ft, 10W/ft.
Optional Wattages: 3W/ft, 4W/ft, 6W/ft, 7W/ft, 8W/ft, 9W/ft. *(3W & 4W have a minium 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 and over voltage damage is not covered under warranty.
EMC-PF - Emergency circuit requires power feed to be located in last fixture section for continuous runs. For other locations consult factory. Not available for individual *(IND)* configuration.
PF - Extra power feed for additional circuiting. Not available for individual *(IND)* configuration.

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.

Configurations/Lengths
IND - Individual fixtures are made of single standard lengths of 2' to 8' *(in 1' increments)*. These are stand alone fixtures with matching End Caps, supplied with the mounting hardware. Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.
CON - Continuous runs, > 8' specified to nearest whole foot length in 1' increments. Runs made from standard lengths have End Caps at the beginning and end of run. Runs > 60' may require second power feed. Each Housing has factory installed alignment pins. Mating fixtures are easily aligned and joined. Wiring is made fast and positive with molded quick connectors.
CUS - Custom made to measure runs are made to nearest 1/8"of customer supplied field measurements or drawings. Custom lengths use the same hardware for hairline joining.
PXX- Standard Patterns consist of 90º corners with standard lengths *(4' to 8' in 1' increments)*, continuous runs or made to measure lengths. Depending upon complexity of the pattern drawings may be required from the customer. If ordering please give overall lengths.
A'-B'-PLL - L Left - *(1)* 90º Corner *(2)* segments. Specify overall segments: A' & B'
A'-B'-PLR - L Right - *(1)* 90º Corner *(2)* segments. Specify overall segments: A' & B'
A'-B'-PR - Rectangle - *(4)* 90º Corners joining *(4)* segments. Specify overall segments: A' & B'
A'-B'-C'-PU - U shape - *(2)* 90º Corners joining *(3)* segments. Specify overall segments: A', B', & C'
A'-B'-C'-PZ - Z shape - *(2)* 90º Corners joining *(3)* segments. Specify overall segments: A', B', & C'
See page 6 for layouts.
For custom patterns, submit EDR on amerlux.com.

Mounting
The Linea 3.5 Direct/Indirect is intended to be pendant or wall mounted in continuous rows. For indirect lighting Amerlux suggests 18" min from top of fixture to ceiling. Standard or custom patterns available.
LIN3.5DI-A16....ASW10 - Direct / Indirect pendant installed in center of ceiling tile or gypsum board ceiling *(standard)* i.e. ASW10. Or if canopy is installed on a grid Tee runner add, **T** i.e. ASW10T.
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. Options include: color of canopy and power cord *(black or white)*, length 10' or 20', and mounting condition, in center of ceiling tile and in gypsum board ceiling *(standard)* i.e. ASW10. Or if canopy is installed on a grid Tee runner add, **T** i.e. ASW10T
LIN3.5DI-A16....WM - Direct Indirect Wall Mounted using steel cleat bracket attached to fixture housing and wall bracket with set screws. Two bracket assemblies are used for each length under 8'. A third center bracket may be recommended. J box required at feed locations.
Please note: 1 Circuit is standard, the direct & indirect are on the same circuit. 2 Circuits, direct & indirect switched separately with power feeds at both ends.

Options
EMB - Emergency battery pack - 10W output power, 90 min of illumination time, up to 1300 lm of initial light output. Illuminated test-switch/charging indicator light is provided. Wattage consumption by EM: 2.5W/ft *(4ft fixture)*, 1.66W/ft *(6ft fixture)*, 1.25W/ft *(8ft fixture)*. Request can be made to light up 4ft section on 8ft unit.

Certifications
Approved to UL standards for damp locations as tested by CSA
Intended for indoor use only

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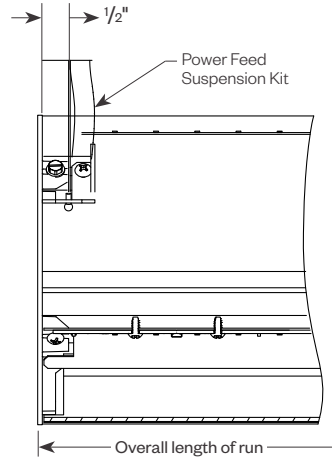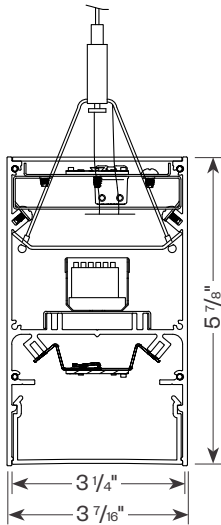Amerlux's 5 year limited warranty. Please consult Amerlux website for details.

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Linea® 3.5"
Linear Direct/Indirect

PROJECT:　　　　　　　　　　　　　**TYPE:**

Product Details

Pendant

½"

Power Feed
Suspension Kit

5 7/8"

3 1/4"
3 7/16"

Overall length of run

Wall Mount

5 7/8"

3 1/4"
3 7/16"

½"

Overall length of run

Optional Louver
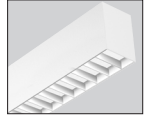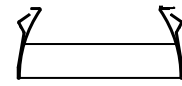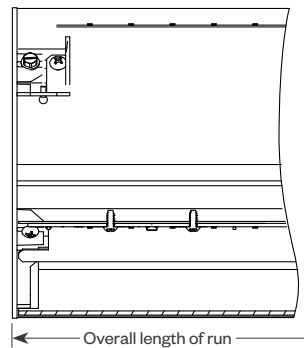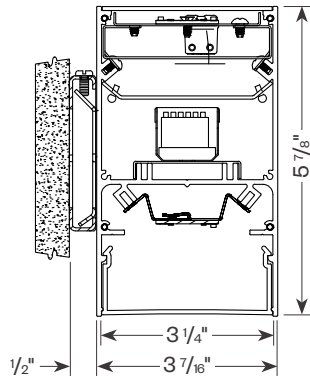
Joining the Housings

Align & Join:

Alignment Pins

BOR

Alignment Pins

MOR/EOR

Align (4) pins & press fit fixtures together

Secure Fixtures/Joint:

Bend up reflector cutout panels as shown to expose joining hardware

Reflector Cutout Panels

Rectangular Cutouts

①
②
③

Drive screw through hole

Hairline
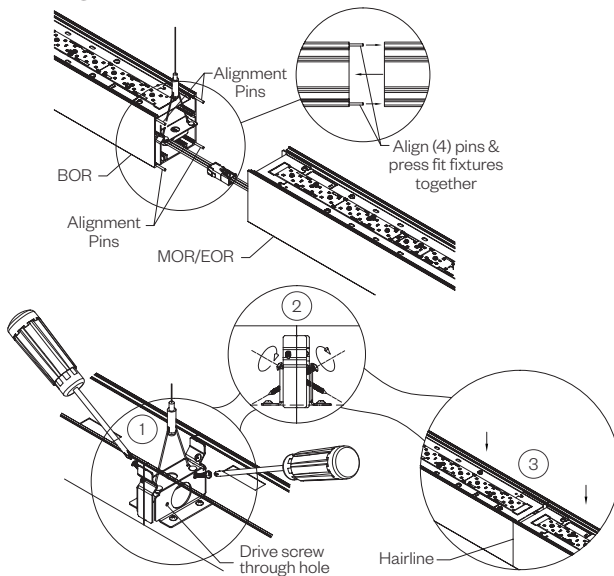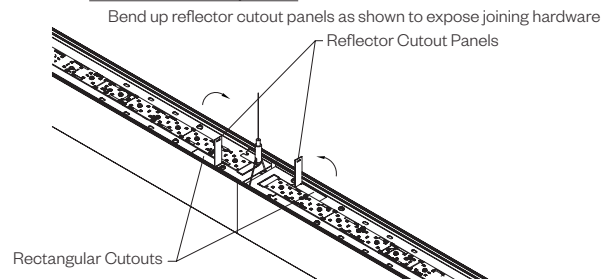
1. Through cutouts in reflectors, locate screws installed loosely in joining brackets.
2. Drive combo screw diagonally into hole in opposite hanger bracket. Drive second screw diagonally into hole in opposite hanger bracket. Tighten both screws to pull together & secure fixtures.
3. Rebend down reflector cutout panels.
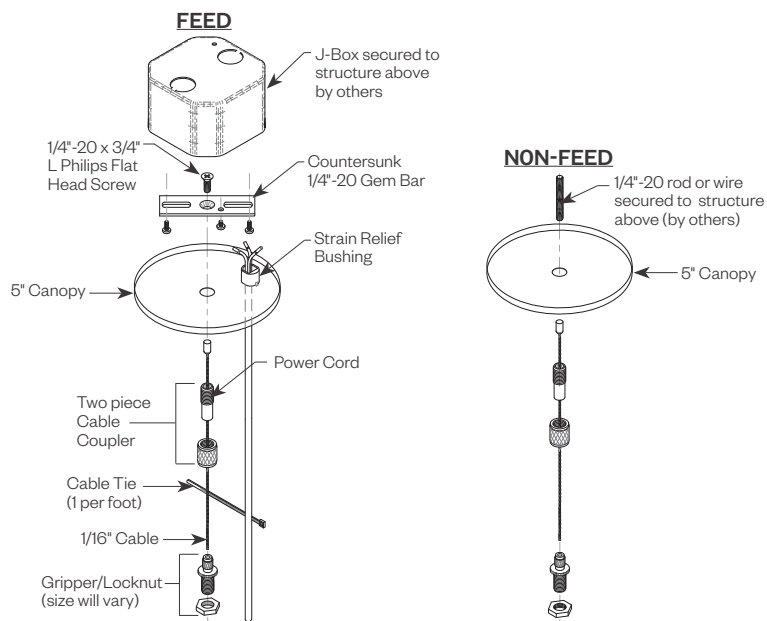
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Linea® 3.5"
Linear Direct/Indirect

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PROJECT:	TYPE:

Cable Kit Suspension - Ceiling or Gypsum Board *(ASW04, ASW10, ASW20, ASB04, ASB10, ASB20)*

FEED

J-Box secured to structure above by others

1/4"-20 x 3/4" L Philips Flat Head Screw

Countersunk 1/4"-20 Gem Bar

5" Canopy

Strain Relief Bushing

Power Cord

Two piece Cable Coupler

Cable Tie (1 per foot)

1/16" Cable

Gripper/Locknut (size will vary)

NON-FEED

1/4"-20 rod or wire secured to structure above (by others)

5" Canopy

Cat#	Length	Cord/Canopy	Application
ASW04	4'	white/white	ceiling tile/gypsum
ASW10	10'	white/white	ceiling tile/gypsum
ASW20	20'	white/white	ceiling tile/gypsum
ASB04	4'	black/black	ceiling tile/gypsum
ASB10	10'	black/black	ceiling tile/gypsum
ASB20	20'	black/black	ceiling tile/gypsum
ASW04T	4'	white/white	ceiling tee
ASW10T	10'	white/white	ceiling tee
ASW20T	20'	white/white	ceiling tee
ASB04T	4'	black/black	ceiling tee
ASB10T	10'	black/black	ceiling tee
ASB20T	20'	black/black	ceiling tee

Tee Grid or Screw Slot *(ASW04T, ASW10T, ASW20T, ASB04T, ASB10T, ASB20T)*

FEED

Drop Ceiling J-Box (supplied)

Drop Ceiling T-Bar by others (for Drop Ceiling application)

NON-FEED

Drop Ceiling T-Bar by others

IDS Clip with 1/4"-20 Stud by others

5" Canopy

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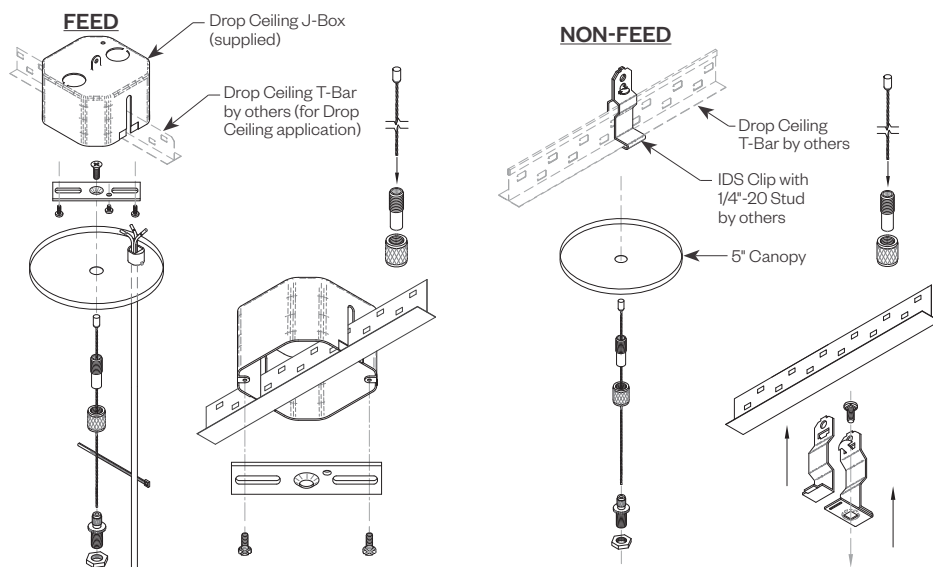
PROJECT:	TYPE:

## Optional Sensor/RF Node

Amerlux® has partnered with control companies to create building environments that are safer and smarter, than ever before. At the heart of our partnership is intelligent RF nodes and Smart Sensor, the most advanced digital wireless communication and sensors available today. Integrated into Amerlux products.

Minimum run length is 3' for wireless sensor and RF node.

INDIVIDUAL (MIN 3' LENGTH)

Optional Node/Sensor

RUNS

8'   8'
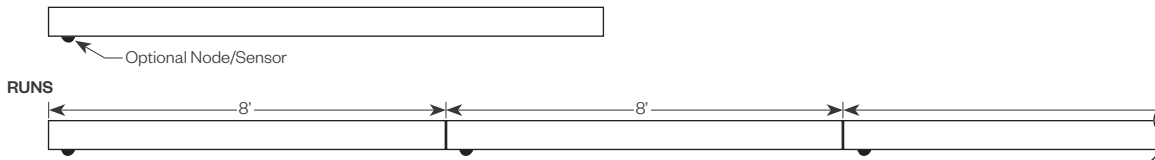
Linea 3.5" Patterns

Standard Patterns
All corners are standard 90°, standard length legs.
Use standard lengths: 4' min to 8' in 1 foot increments.
Continuous runs must be the same length in pairs for closed configuration.
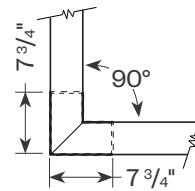
Custom Patterns
Please provide drawings of your configuration.
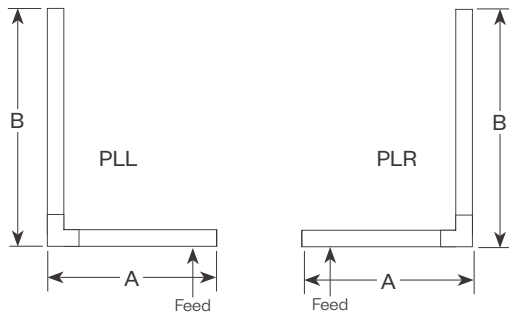Made to Measure: +/- 1/8", consult factory.
PC - custom pattern, please provide drawings and consult factory.

$7 \, ^3/_4"$ 90° $7 \, ^3/_4"$

$7 \, ^3/_4"$ 90° $7 \, ^3/_4"$
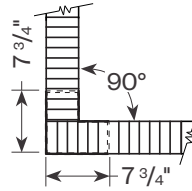
Linea 3.5 SLD
Butt Joint-Straight
Blade Louver
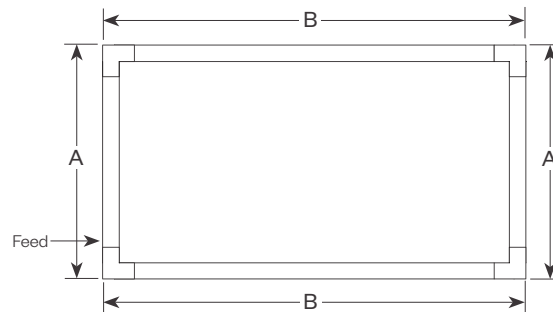
Linea 3.5 Lens
Mitered Lens

PLL - L Left, *(2)* straights + *(1)* 90° corner, leg right
PLR - L Right, *(2)* straights + *(1)* 90° corner, leg left
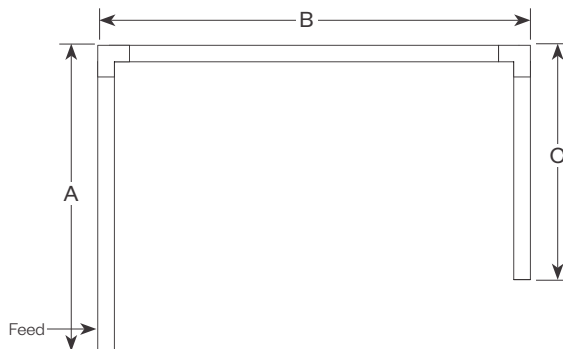Provide overall lengths: A' & B'
Nomenclature: A-B-PLL   A-B-PLR

PR - Closed Rectangle, *(4)* straight lengths + *(4)* 90° corners
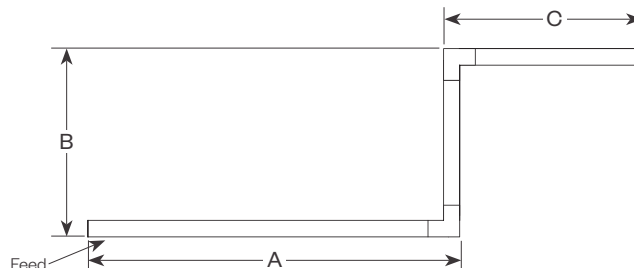Provide overall lengths: A' & B'
Nomenclature: A-B-PR

PU - Open U, *(3)* straight lengths + *(2)* 90° corners
Provide overall lengths: A', B' & C'
Nomenclature: A-B-C-PU

PZ - Open Z, *(3)* straight lengths + *(2)* 90° corners
Provide overall lengths: A', B' & C'
Nomenclature: A-B-C-PZ

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Linea® 3.5"
Linear Direct/Indirect

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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:	0.31	0.42	0.53	0.63	0.72	0.81	0.90	1.0

CCT Factors:					TW9		Louver	
CRI	**2700K**	**3000K**	**3500K**	**4000K**	**(@3500K)**	**Finish:**	**SLV**	**BLK**
83	0.92	0.97	1.0	1.02	-	**Factor:**	1.0	0.65
90	0.81	0.84	0.86	0.89	0.86			

LINEA 3.5" PERFORMANCE LENS 10W 3500K 4FT
Total Watts: 38; Total Lumens: 4401
Source: 128 White LED's

LTL# 14664757.17

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	2174	49.4
0-60	3585	81.4
0-90	4401	100.0
90-180	0	0.0

Luminaire Efficacy = 115.1 lm/W

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCRV				
0	119	119	119	119
1	109	105	100	97
2	100	92	85	80
3	91	81	73	67
4	84	72	64	57
5	77	65	56	50
6	72	59	50	44
7	67	53	45	39
8	62	49	41	35
9	58	45	37	32
10	55	42	34	29

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

LINEA 3.5" DESIGNER LENS 10W 3500K 4FT
Total Watts: 38; Total Lumens: 3383
Source: 128 White LED's

LTL# 14664757.18
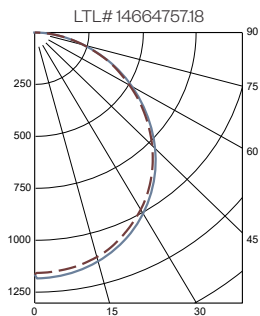
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1489	44.0
0-60	2630	77.7
0-90	3383	100.0
90-180	0	0.0

Luminaire Efficacy = 88.5 lm/W

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCR				
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	40
7	64	51	42	36
8	60	46	38	32
9	56	43	34	29
10	53	39	31	26

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

LINEA 3.5" STRAIGHT BLADE LOUVER 10W 3500K 4FT
Total Watts: 38   Total Lumens: 2038
Source: 128 White LED's

LTL# 14664757.19
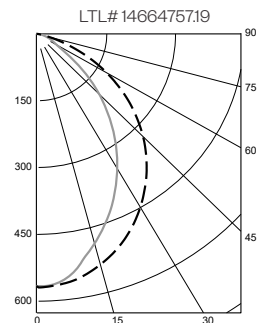
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1188	58.3
0-60	1835	90.0
0-90	2038	100.0
90-180	0	0.0

Luminaire Efficacy = 53.3 lm/W

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCR				
0	119	119	119	119
1	111	107	103	100
2	102	95	90	85
3	95	86	79	73
4	88	78	69	63
5	81	70	62	56
6	75	63	55	50
7	70	58	50	45
8	66	53	46	40
9	62	49	42	37
10	58	46	38	34

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

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PROJECT: **TYPE:**

Performance Data *(continued)*

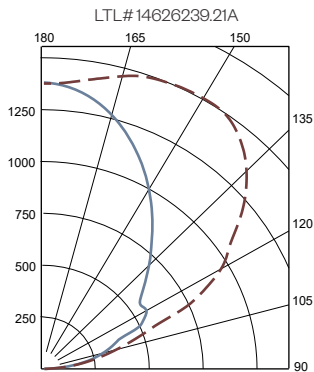**Multiplying Factors:** *(Multiplying Factor is based on 3500K-83 120V IES file on website)*

Wattage:	3W	4W	5W	6W	7W	8W	9W	10W
Factor:	0.31	0.42	0.53	0.63	0.72	0.81	0.90	1.0

CCT Factors:					TW9
CRI	2700K	3000K	3500K	4000K	(@3500K)
83	0.92	0.97	1.0	1.02	-
90	0.81	0.84	0.86	0.89	0.86

LINEA 3.5" INDIRECT BATWING 10W 3500K 4FT
Total Watts: 36; Total Lumens: 4653
Source: 120 White LED's

LTL# 14626239.21A

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	0	0.0
0-60	0	0.0
0-90	0	0.0
90-180	4653	100.0

Luminaire Efficacy = 129.0 lm/w

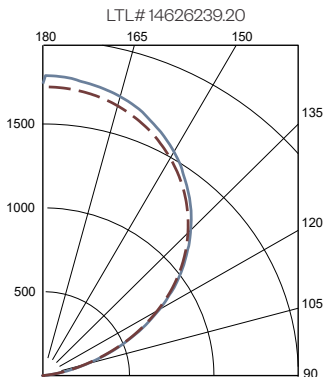**COEFFICIENTS OF UTILIZATION**
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCR				
0	95	95	95	95
1	87	83	79	76
2	79	72	66	62
3	72	63	57	51
4	65	56	48	43
5	60	49	42	36
6	55	44	36	31
7	50	39	32	27
8	47	35	28	23
9	43	32	25	20
10	40	29	22	18

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

LINEA 3.5" INDIRECT UPPER CLEAR LENS 10W 3500K 4FT
Total Watts: 36; Total Lumens: 4989
Source: 120 White LED's

LTL# 14626239.20

ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	0	0.0
0-60	0	0.0
0-90	0	0.0
90-180	4989	100.0

Luminaire Efficacy = 138.3 lm/W

COEFFICIENTS OF UTILIZATION
Effective Floor Cavity Reflectance 20%

RC		80		
RW	70	50	30	10
RCR				
0	95	95	95	95
1	87	83	79	76
2	79	72	66	62
3	72	63	57	51
4	65	56	48	43
5	60	49	42	36
6	55	44	36	31
7	50	39	32	27
8	47	35	28	23
9	43	32	25	20
10	40	29	22	18

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

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Linea® 3.5"
Linear Direct/Indirect

amerlux

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
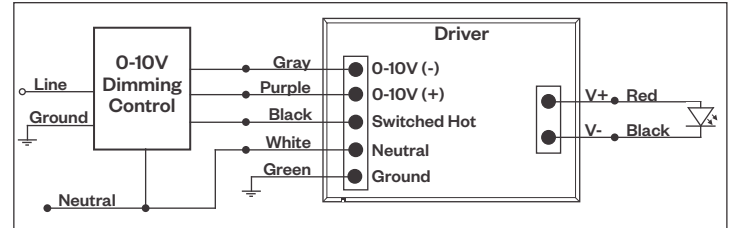
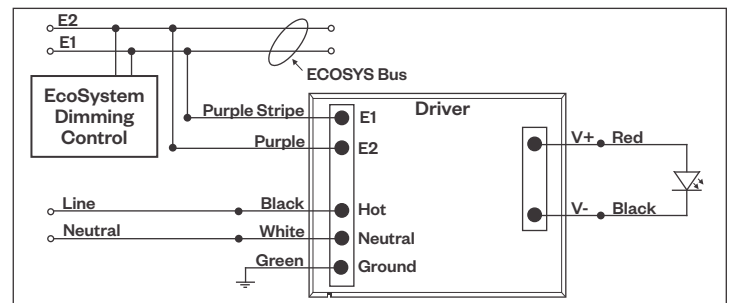| **Compatible Dimmers†:**			
Wall Box			**Central System**
Lutron:	Wattstopper:	Leviton:	Lutron Grafixk Eye with GRX-TV1 Interface
Diva - DVSTV	ADF-120277	Renoir II	
Maestro - MS-Z101			
Nova-T - NTSTV-DV			

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
Energi Savr Node	
Grafik Eye QS/Homeworks	
QS Control Unit	
Quantum Hub	
Homeworks QS/My Room	

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.

Delta Intelligent Building Technologies

Linea® 3.5"
Linear Direct/Indirect

PROJECT:	TYPE:

Static White - Dimming Compatibility *(continued)*

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 ---

DALI - DALI DIMMING 120V-277V
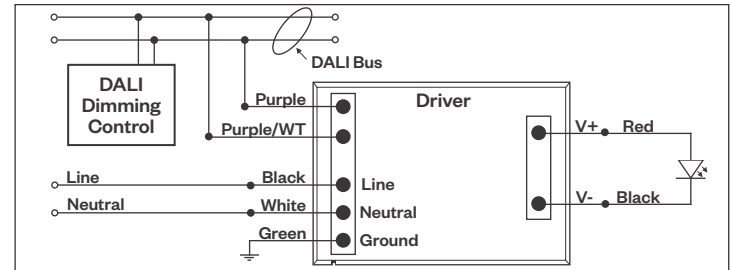Digital control protocol allows individual fixture control

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

Compatible Dimmers†:

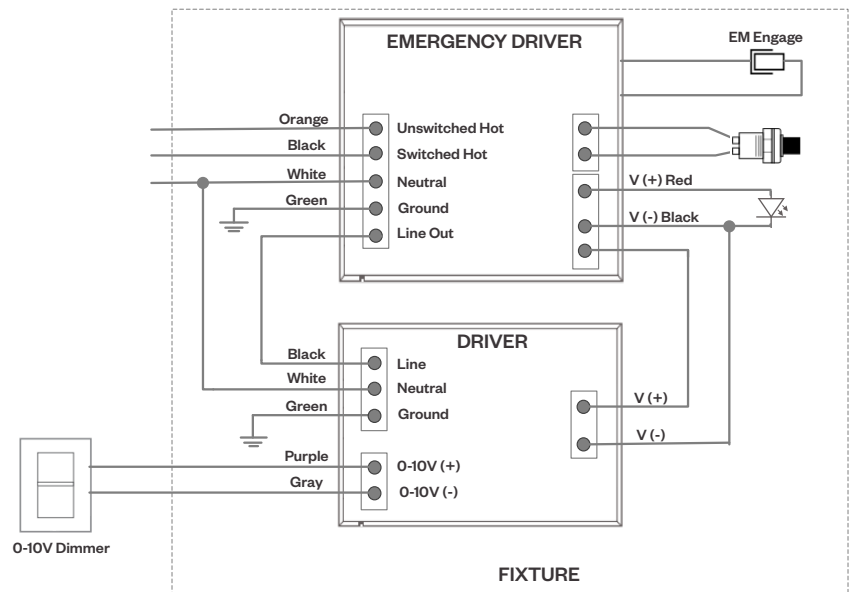| Wall Box	Central System
Leviton CD250 Controller	Dynalite
	Fifth Light

DALI Wiring Diagram

Emergency Fixture with Built-In Battery Pack

Emergency fixture with built-in battery pack **(EMB)** wiring:
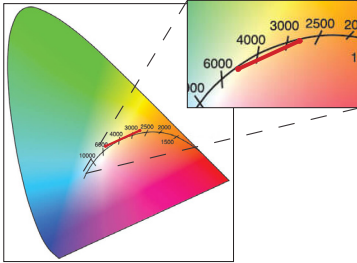*Note: EMB not available on lengths under 4'.*

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.

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Linea® 3.5"
Linear Direct/Indirect

amerlux

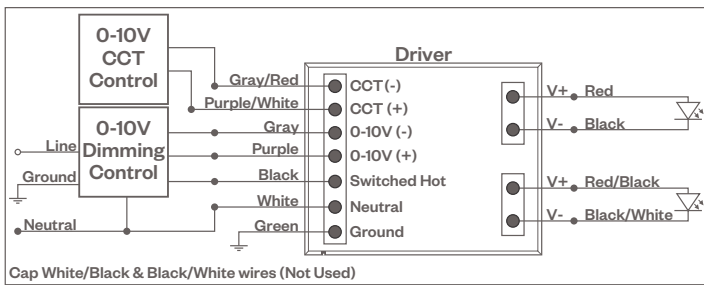| PROJECT:	TYPE:

Tunable White

Tunable White range from 2700K-5700K, 90 CRI.
See wiring diagrams below.
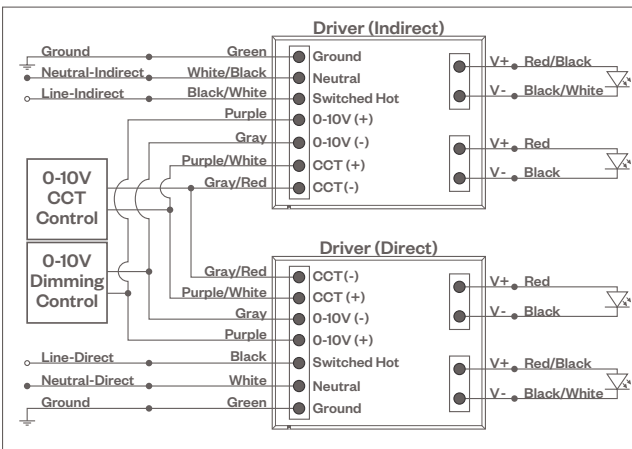
Tunable White - Dimming Compatibility

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 ---
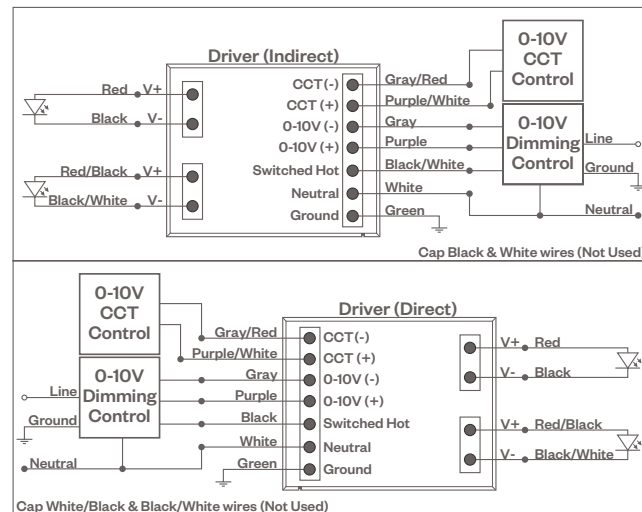
0-10V Wiring Diagram *(Single Circuit)*

Cap White/Black & Black/White wires (Not Used)

0-10V Wiring Diagram *(Dual Switch, Single Controls)*

0-10V Wiring Diagram *(Dual Circuit)*

Cap Black & White wires (Not Used)

Cap White/Black & Black/White wires (Not Used)

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.
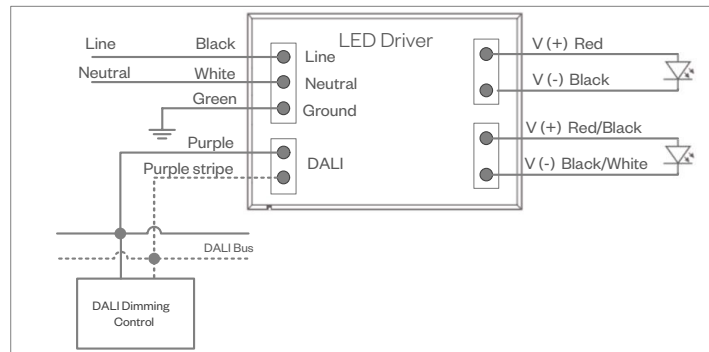
PROJECT:	TYPE:

Tunable White - Dimming Compatibility *(continued)*

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 ---

DALI DT8 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.

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