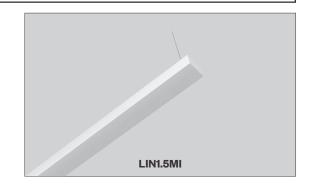
Linear Indirect, Remote Driver



PROJECT: TYPE:

Features

Linea drives your design scenario, seamlessly. Streamlined and flexible, these architectural LED pendants provide the freedom to create truly dynamic spaces. A synthesis of aesthetics, performance and energy efficiency, the Linea family delivers on its promises. Our tiny new Linea 1.5" pendant proves when it comes to lighting, less really is more. Linea. The power of disciplined design.



Product Overview

Type: Cable Suspended, Indirect, Remote Driver 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% dimming (standard)

Lutron LDE1 Hi-lume® 1% Dim Soft-On/Fade-to-Black

DALI dimming, 1% dim

Certifications





Fixture Summary

Performance Data

Wattage per Foot	Delivered Lumens	LPW	Color Temp	CRI
5	2095	123.8	3500K	83
10	3948	116.9	3500K	83

Data is based on 3500K-83120V IES files available on website. Data is based on 4' fixture with Batwing lens.

Runs

Individual Runs: 2' - 6' (whole foot standard).

Note: 6' is maximum length between suspension points.

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

		4'	•	8'		
Wattage		System		System		
per Foot	Voltage	Watts	Amps	Watts	Amps	
5	120V	16.9	0.14	33.8	0.28	
5	277V	16.9	0.06	33.8	0.12	
10	120V	33.8	0.28	67.6	0.56	
10	277V	33.8	0.12	67.6	0.24	

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

Standard Patterns

L				7	Wall to Ceiling	Custom*
Yes	Yes	Yes	Yes	Yes	No	Yes

^{*} Submit drawing, consult factory.

Linea[®] 1.5" Mini

Linear Indirect, Remote Driver



PROJECT: TYPE:

Ordering Information

LIN1.5MI-A17 120/277 5 8 9 10 1 7 Model 2 Optics 3 Mounting Wattage (per foot) LIN1.5MI-A17⁺ BAT batwing uplight (standard) Pendant Mount (mini cable suspension) Standard Optional (Mini Indirect, remote driver) UC upper clear lens cover MASW10 through ceiling tile or gyp board, white, 10' **5** 5W/ft 3* 3W/ft **10** 10W/ft **4*** 4W/ft MASW10SF through ceiling tile or gyp board, silver foil cord, white canopy, 10' 6 6W/ft 7 7W/ft MASB10 through ceiling tile or gyp board, black, 10' MASB10SF through ceiling tile or gyp board, silver 8 8W/ft foil cord, black canopy, 10' 9 9W/ft MASW10T over ceiling tee, white, 10' * 4' min. length required MASW10SFT over ceiling tee, silver foil cord, white canopy, 10' MASB10T over ceiling tee, black, 10' MASB10SFT over ceiling tee, silver foil cord, black Color Temp **Finish** Voltage Length **HW** high reflectance matte white 120/277 83 CRI 90+ CRI 27 2700K-83 279 2700K-90+ **BT** black texture Length A Length B Length C **30** 3000K-83 309 3000K-90+ ST silver texture - all patterns all patterns - PU **35** 3500K-83 **359** 3500K-90+ For other RAL color, consult factory - IND - PZ - PR (2 lengths of 2) **40** 4000K-83 409 4000K-90+ - CON - CUS

Configuration

IND1 individual fixture, 2' to 6' in 1' increments CON continuous run > than 6', 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°

PZ Z shape, (3) straight lengths + (2) 90° corners For custom patterns, submit an EDR on amerlux.com

10 Drivers/Controls

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

[†] 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

Linear Indirect, Remote Driver



PROJECT: TYPE:

Specifications

Application

Offices, corridors or any indoor space where comfortable ambient lighting is required. Remote driver little more than 3/4" high housing.

Construction

One piece extruded aluminum housing is (11/2" wide X 0.8" high). Die-cast End Caps match fixture body finish. Painted die-formed, cold-rolled steel internal components are protected against rust and corrosion.

Optical

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

Indirect:

BAT - Batwing uplight lens spreads light directly above fixture.18" minimum distance between ceiling plane and top of fixture suggested.

UC - Upper Clear lens cover (Lambertian distribution).

LED

Amerlux's boards and patented connectors with industry recognized LEDs chips enables excellent thermal management and allows Amerlux to offer a 5 year warranty. Our LED binning is within 3 MacAdam ellipse. LED boards are easily replaced in the field with just a Philips 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

Remote Driver Wiring:

Driver is supplied installed in remote driver box (one driver per box), with 5' of low voltage plenum rated cable. Fixture supplied with 16/3 SJT power cord ready to be connected to J-Box (by others) over cable canopy. Amerlux recommends a maximum of 15' between the fixture and the remote driver box. Consult factory with job specific electrical spec if more than 25' is required. Feeds are added as required by specified wattage and driver maximums.

See page 4 for wiring illustration

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.

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 damage is not covered under warranty. Emergency circuit via remote inverter or auxiliary emergency power supply (by others).

Finish

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

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

Configurations/Lengths

IND - Individuals are stand alone fixtures made of single lengths of 2' to 6' (in 1' increments). They are supplied with matching painted End Caps and the required mounting hardware. Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.

CON - Continuous runs are longer than 6', specified to the nearest whole foot. Continuous runs less than 12' are made of 2 lengths. Continuous runs longer than 12' start with a 6' Beginning of Row (BoR) fitted with an End Cap. The majority of the runs are made up of 6' Middle of Run (MoR) lengths. End of Run (EoR) units are made up of 2' to 6' units to the nearest whole foot or a combination of a last 3' MoR and a 4' or 5' EoR. Factory installed pins and splines simplify fixture alignment. Lengths are quickly joined with "catch and latch" mechanisms or screws and sturdy brackets. Quick connectors simplify field wiring.

CUS - Custom made to measure runs are made to nearest 1/8" of customer supplied field measurements. They can be a single custom length or runs configured as described above only EoR's are 2' to 6' out to the nearest 1/8" exact length or a combination of a last 4' MoR with an EoR cut to exact length to the nearest 1/8".

PXX - Standard patterns consist of 90° corners with standard lengths (3' to 6' in 1' increments) or custom lengths. Depending upon complexity of the pattern, drawings may be required. When ordering please give overall lengths.

See page 6 for layouts.

For custom patterns, submit EDR on amerlux.com

Mounting

LIN1.5MI-A16....MASW10 - Mini Indirect pendant mount is only 1.5" wide X 0.8125" high. The remote driver box is 19 ³/₄" long and can be located up to 15' from fixture. 15' of low voltage plenum rated cable supplied (10' off fixture/5' off box). (see p. 4)

Mini Cable Suspension:

Thinner cable, smaller gripper and cable coupler are all scaled down to match the reduced size of the LIN1.5 Mini series. 5" diameter by 0.25" canopy is used for both feed and non-feed Mini Cable Kits. Low Voltalge power feeds are power feeds are 22 gauge 2 conductor SJT cords supplied in same color as canopy or with optional silver foil clear jacked cords. Amerlux supplies the required feed and non-feed suspension kits based upon length, electrical options and customer requirements. Suspension kit options include: color, length and mounting condition.

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.

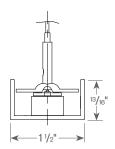
Linear Indirect, Remote Driver

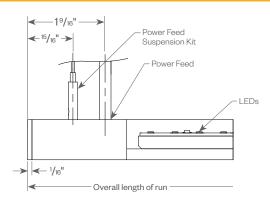


PROJECT: TYPE:

Product Details

Pendant

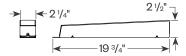




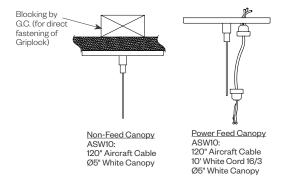
Remote Driver

AC Power feed by others Remote Driver (Supplied by Ameriux) Low voltage plenum cable (25' supplied) Power Cord Power Cord

Remote Driver Box



Suspension Detail

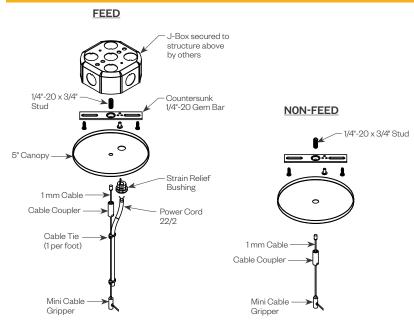


Linear Indirect, Remote Driver



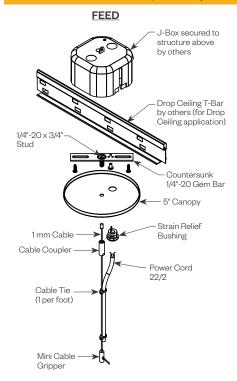
PROJECT: TYPE:

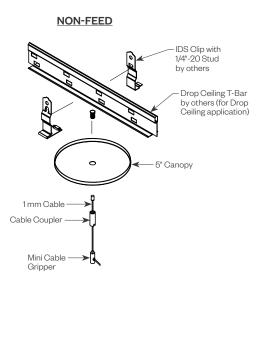
Cable Kit Suspension - Ceiling or Gypsum Board (MASW10, MASW10SF, MASB10, MASB10SF)



Cat#	Length	Cord/Canopy	Application
MASW10	10'	white/white	ceiling tile/gypsum
MASW10SF	10'	silver foil/white	ceiling tile/gypsum
MASB10	10'	black/black	ceiling tile/gypsum
MASB10SF	10'	silver foil/black	ceiling tile/gypsum
MASW10T	10'	white/white	ceiling tee
MASW10SFT	10'	silver foil/white	ceiling tee
MASB10T	10'	black/black	ceiling tee
MASB10SFT	10'	silver foil/black	ceiling tee

Tee Grid or Screw Slot (MASW10T, MASW10SFT, MASB10T, MASB10SFT)





Linear Indirect, Remote Driver



PROJECT: TYPE:

Linea 1.5" Mini Patterns

Standard Patterns

All corners are standard 90°, standard length legs.

Use standard lengths: 4' min to 8' in 1 foot increments.

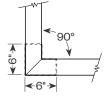
Continuous runs must be the same length in pairs for closed configuration.

Custom Patterns

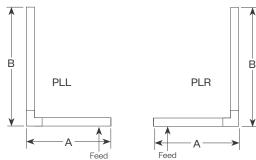
Please provide drawings of your configuration.

Made to Measure: +/- 1/8", consult factory.

PC - custom pattern, please provide drawings and consult factory.



Linea 1.5 Mini Lens Mitered Lens

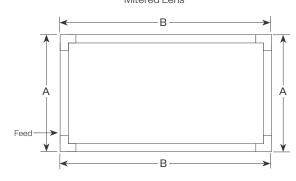


PLL - L Left, (2) straights + (1) 90° corner, leg right

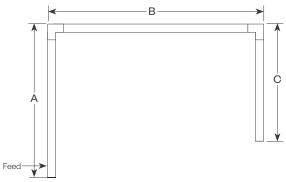
PLR - L Right, (2) straights + (1) 90° corner, leg left

Provide overall lengths: A' & B'

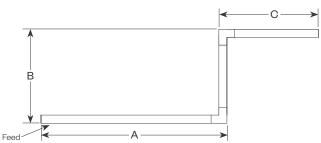
Nomenclature: A-B-PLL A-B-PLF



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

Linear Indirect, Remote Driver



PROJECT: TYPE:

Performance Data

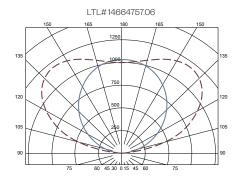
Multiplying Factors: (Multiplying Factor is based on 3500K-83 120V IES file on website)

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:					
CRI	2700K	3000K	3500K	4000K	
83	0.92	0.97	1.0	1.02	
90	0.81	0.84	0.86	0.89	

LINEA 1.5" MINI INDIRECT BATWING LENS 10W 3500K 4FT

Total Watts: 34; Total Lumens: 3948 Source: 88 White LED's



ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt			
0-40	0	0.0			
0-60	0	0.0			
0-90	0	0.0			
90-180	3948	100.0			
Efficacy (lumens/watt) = 116.9 lm/W					

COEFFICIENTS OF UTILIZATION

RC		8	0	
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 % of total lumen output delivered to the task surface.

Linear Indirect, Remote Driver



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 10\/\W:-i-- -- Di-- ---

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 W	iring Diag	ram			
Ground	O-10V Dimming Control	Gray Purple Black White Green	Driver 0-10V (-) 0-10V (+) Switched Hot Neutral Ground	V+ Red V- Blace	724

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

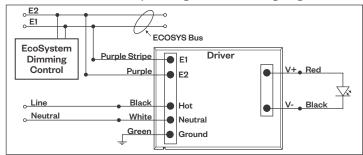
Integrates into Lutron EcoSystem building management

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!**

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	

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



DALI - DALI DIMMING 120V-277V

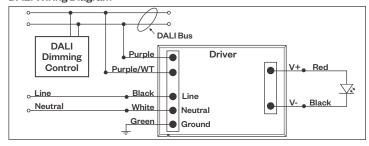
Digital control protocol allows individual fixture control

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



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.