

# Linea® 1.5" Mini

Linear Direct, Remote Driver

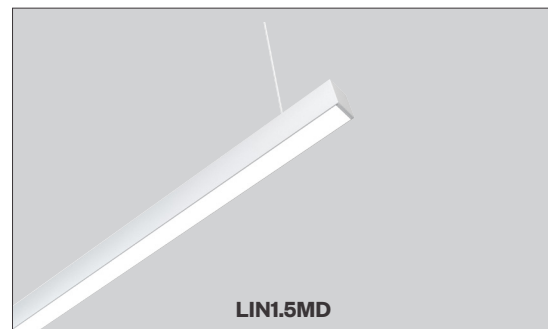


PROJECT:

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 or Surface Mounted, Direct, 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                | 1920             | 105.2 | 3500K      | 83  |
| 10               | 3691             | 101.1 | 3500K      | 83  |

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

Data is based on 4' fixture with Performance lens.

### 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    | 18.2         | 0.15 | 36.5         | 0.30 |
|                  | 277V    | 18.2         | 0.07 | 36.5         | 0.13 |
| 10               | 120V    | 36.5         | 0.30 | 73.0         | 0.61 |
|                  | 277V    | 36.5         | 0.13 | 73.0         | 0.26 |

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.

# Linea® 1.5" Mini

Linear Direct, Remote Driver



PROJECT:

TYPE:

## Ordering Information

LIN1.5MD-A17 120/277

| 1  | 2   | 3 | 4  | 5 | 6  | 7   | 8   | 9  | 10  |
|----|---|---|--|---|--|---|---|--|---|
| 1  | <b>Model</b><br><b>LIN1.5MD-A17*</b><br><i>(Mini Direct, remote driver)</i>   | 2 | <b>Optics</b><br><b>PL</b> performance lens <i>(standard)</i><br><b>SLDW</b> straight blade louver, white aluminum, solid blades w/overlay<br><b>SLDB</b> straight blade louver, black, solid blades w/overlay<br><b>SLDS</b> straight blade louver, silver, solid blades w/overlay<br><b>ASY</b> asymmetric lens<br><b>GRZ</b> grazer lens <i>(suggest cove installation, see pg 4)</i><br><b>DRP1</b> 1" drop lens | 3 | <b>Mounting</b><br><b>Pendant Mount</b> <i>(mini cable suspension)</i><br><b>MASW10</b> through ceiling tile or gyp board, white, 10'<br><b>MASW10SF</b> through ceiling tile or gyp board, silver foil cord, white canopy, 10'<br><b>MASB10</b> through ceiling tile or gyp board, black, 10'<br><b>MASB10SF</b> through ceiling tile or gyp board, silver foil cord, black canopy, 10'<br><b>MASW10T</b> over ceiling tee, white, 10'<br><b>MASW10SFT</b> over ceiling tee, silver foil cord, white canopy, 10'<br><b>MASB10T</b> over ceiling tee, black, 10'<br><b>MASB10SFT</b> over ceiling tee, silver foil cord, black canopy, 10' | <b>Surface Mount</b><br><b>SM</b> surface mount | 4   | <b>Wattage</b> <i>(per foot)</i><br><b>Standard</b><br>5 5W/ft<br>10 10W/ft<br><b>Optional</b><br>3* 3W/ft<br>4* 4W/ft<br>6 6W/ft<br>7 7W/ft<br>8 8W/ft<br>9 9W/ft<br><i>* 4' min. length required</i> |   |
| 5  | <b>Color Temp</b><br>83 CRI 90+ CRI<br>27 2700K-83 279 2700K-90+<br>30 3000K-83 309 3000K-90+<br>35 3500K-83 359 3500K-90+<br>40 4000K-83 409 4000K-90+   | 6 | <b>Finish</b><br><b>HW</b> high reflectance matte white<br><b>BT</b> black texture<br><b>ST</b> silver texture<br><i>For other RAL color, consult factory</i>  | 7 | <b>Voltage</b><br>120/277  | 8   | <b>Length</b><br><div><div>X</div><div>X</div><div>Length A</div><div>Length B</div><div>Length C</div><div>- all patterns</div><div>- IND</div><div>- CON</div><div>- CUS</div><div>- all patterns</div><div>- PR (2 lengths of 2)</div><div>- PU</div><div>- PZ</div></div> | 9  | <b>Configuration</b><br><b>IND</b> <sup>1</sup> individual fixture, 2' to 8' in 1' increments<br><b>CON</b> continuous run > than 8', specify to nearest foot<br><b>CUS</b> custom made to measure, +/- 1/8" of customer supplied field dimensions<br><u>Standard Patterns</u> <i>(see pg 6 for details)</i><br><b>PLL</b> L left, (2) straights + (1) 90° corner, leg right<br><b>PLR</b> L right, (2) straights + (1) 90° corner, leg left<br><b>PU</b> U shape, (3) straight lengths + (2) 90° corners<br><b>PR</b> Rectangle shape, (4) straight lengths + (4) 90° corners<br><b>PZ</b> Z shape, (3) straight lengths + (2) 90° corners<br><i>For custom patterns, submit an EDR on amerlux.com</i> |
| 10 | <b>Drivers/Controls</b><br><b>O-10V</b> 1% analogue dimming, 120-277VAC, dim to off when selected with wireless dimming control<br><b>HILUME-H-ECO</b> Lutron LDE1 Hi-lume® 1% dim Soft-On/Fade-to-Black<br><b>DALI</b> 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.

<sup>1</sup> Lengths less than 4' may have restrictions based upon wattage, lengths, drivers or other options.



Delta Intelligent Building Technologies

# Linea® 1.5" Mini

Linear Direct, Remote Driver



PROJECT:

TYPE:

## Specifications

### Application

Open office plan, conference rooms, corridors or any indoor space where the higher light levels of a direct ambient lighting system are required. Remote location of the driver allows for a small housing with the full power of Linea 1.5 Direct.

### Construction

One piece extruded aluminum housing is (1 1/2" wide X 1 7/8" 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. Amerlux's proprietary acrylic lens provides excellent transmission while effectively concealing source image. All louvers are retained with spring clips attached to louver side rails, for good fit and retention.

**PL** - Performance Lens provides high efficiency with greater lens surface brightness.

**SLDx** - Straight blade Louver Direct has 0.5" high blades 0.493" on center with overlay. Available in (**W**) white aluminum (*light gray; appears white when lit*), (**B**) black or (**S**) silver.

**ASY** - Asymmetric 20° throw lens is backed high diffusion film that eliminates striations.

**GRZ** - Grazer lens for highlighting wall surfaces. Suggest surface mounting and cove installation to avoid high angle brightness. No overlay is used to enhance grazing performance. (see page 4)

**DRP1** - 1" Drop lens with illuminated end caps.

### 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 power cord ready to be connected to J-Box (by others) over cable canopy. Amerlux recommends a maximum of 25' between the fixture and the remote driver box. Consult factory with job specific electrical spec if more than 15' 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 8' (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 8', specified to the nearest whole foot. Continuous runs less than 16' are made of 2 lengths. Continuous runs longer than 16' start with a 8' Beginning of Row (*BoR*) fitted with an End Cap. The majority of the runs are made up of 8' Middle of Run (*MoR*) lengths. End of Run (*EoR*) units are made up of 2' to 8' units to the nearest whole foot or a combination of a last 4' MoR and a 5', 6' or 7' 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 8' cut 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 8' in 1' increments) or custom lengths. Depending upon complexity of the pattern, drawings may be required. When ordering please give overall lengths.

**See page 7 for layouts.**

**For custom patterns submit an EDR on amerlux.com.**

### Mounting

**LIN1.5MD-A17....MASW10**- Mini Direct pendant mount is only 1.5" wide x 1.875" high. The remote driver box is 19 3/4" long and can be located up to 15' from fixture with a 0-10V driver or Lutron driver. 15' of low voltage plenum rated cable supplied (10' off fixture/5' off box). (see page 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 Voltage power feeds are 22 gauge 2 conductor SJT cords supplied in same color as canopy or with optional silver foil clear jacketed 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.

**LIN1.5MD-A17....SM** - Direct Surface Mounted - Housing needs to be attached to solid structure above. Mounting holes are pre-drilled at factory. Some fixture disassembly and reassembly required. Mounting hardware by others.

### 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.

# Linea® 1.5" Mini

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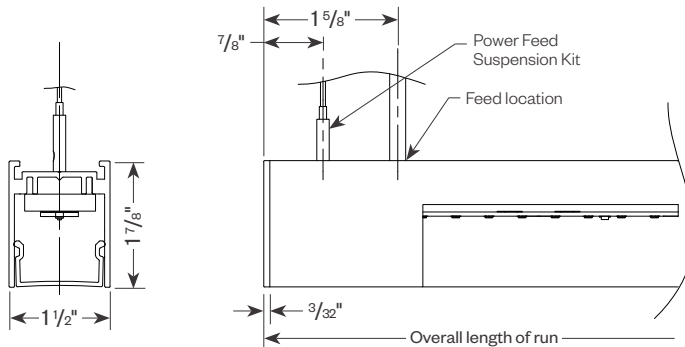


PROJECT:

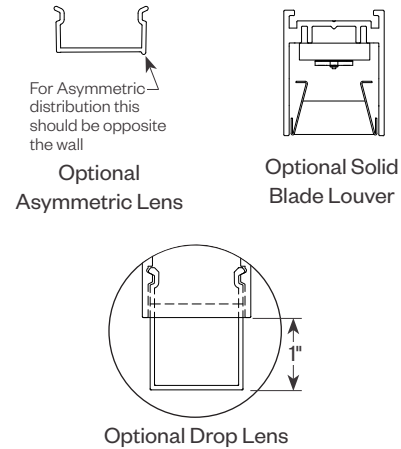
TYPE:

## Product Details

### Pendant

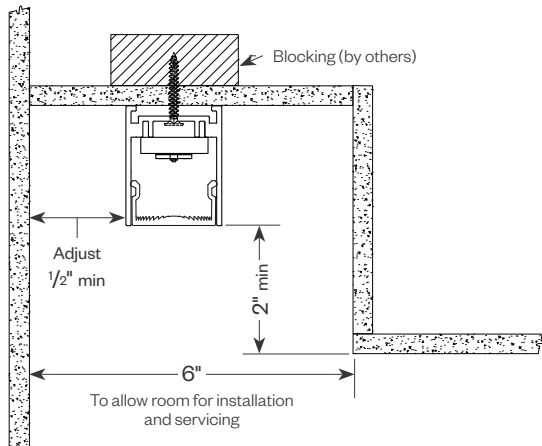


## Optional Louver/Drop Lens

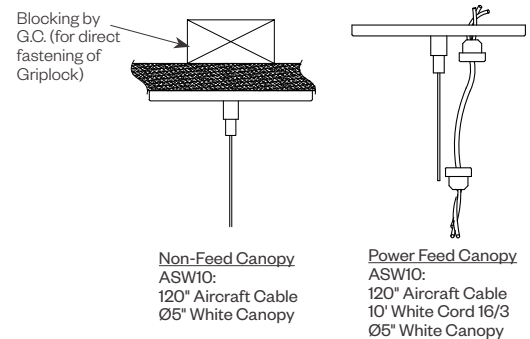


### Surface Mount - Grazer

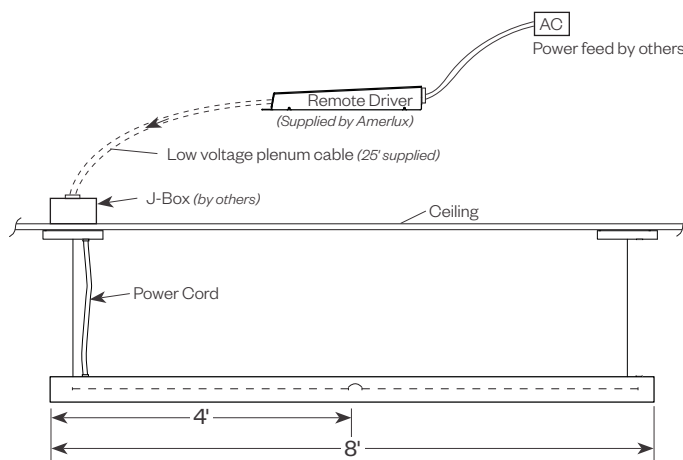
The Grazer Lens for the Linea 1.5 Mini Direct was created to provide an effective and low cost wall grazing lighting tool. A cove or valance is recommended to block direct glare at mid to high angles. Surface mounting requires the housing to be attached to the structure above. Some fixture disassembly and reassembly required.



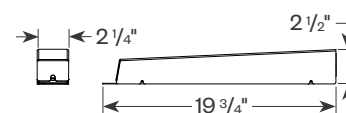
## Suspension Detail



## Remote Driver



## Remote Driver Box



# Linea® 1.5" Mini

Linear Direct, Remote Driver



PROJECT:

TYPE:

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

**FEED**

J-Box secured to structure above by others

1/4"-20 x 3/4" Stud

Countersunk 1/4"-20 Gem Bar

5" Canopy

1 mm Cable

Cable Coupler

Cable Tie (1 per foot)

Mini Cable Gripper

Strain Relief Bushing

Power Cord 22/2

**NON-FEED**

1/4"-20 x 3/4" Stud

1 mm Cable

Cable Coupler

Mini Cable Gripper

| 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)

**FEED**

J-Box secured to structure above by others

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

1/4"-20 x 3/4" Stud

Countersunk 1/4"-20 Gem Bar

5" Canopy

1 mm Cable

Cable Coupler

Cable Tie (1 per foot)

Mini Cable Gripper

Strain Relief Bushing

Power Cord 22/2

**NON-FEED**

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

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

5" Canopy

1 mm Cable

Cable Coupler

Mini Cable Gripper

# Linea® 1.5" Mini

Linear Direct, 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.

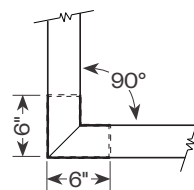
Continuous runs must be the same length in pairs for closed configuration.

### Custom Patterns

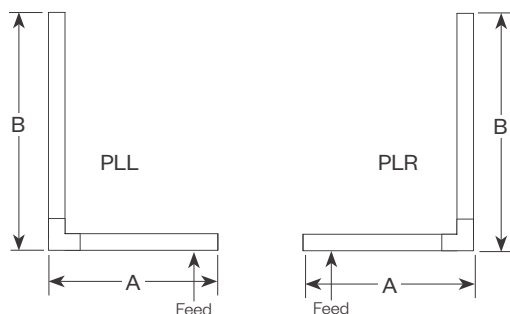
Please provide drawings of your configuration.

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

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



**Linea 1.5 Mini Lens**  
Mitered Lens

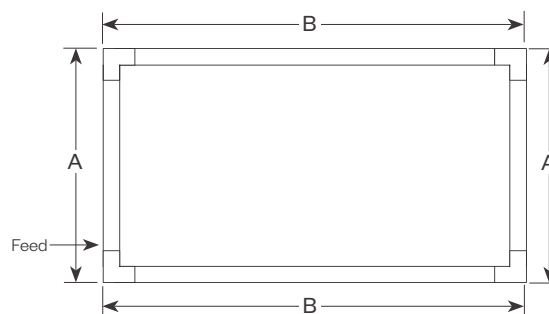


**PLL** - L Left, (2) straights + (1) 90° corner, leg right

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

Provide overall lengths: A' & B'

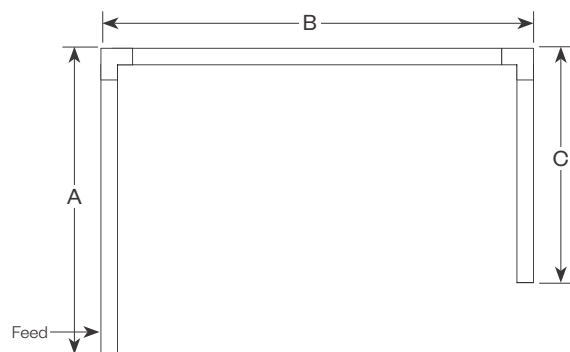
Nomenclature: A-B-PLL      A-B-PLR



**PR** - Closed Rectangle, (4) straight lengths + (4) 90° corners

Provide overall lengths: A' & B'

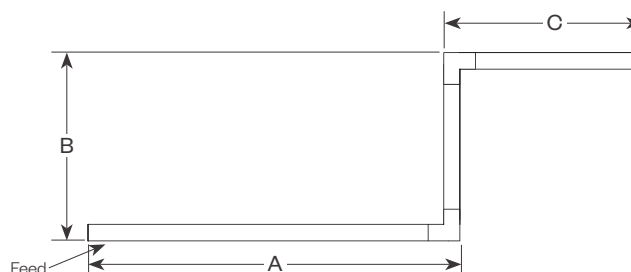
Nomenclature: A-B-PR



**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



# Linea® 1.5" Mini

Linear Direct, Remote Driver



PROJECT:

TYPE:

## Performance Data

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

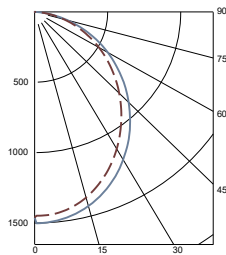
| Wattage: | 3W   | 4W   | 5W   | 6W   | 7W   | 8W   | 9W   | 10W |
|----------|------|------|------|------|------|------|------|-----|
| Factor:  | 0.31 | 0.42 | 0.53 | 0.63 | 0.72 | 0.81 | 0.90 | 1.0 |

| 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  |

| Louver  |     |      |
|---------|-----|------|
| Finish: | SLV | BLK  |
| Factor: | 1.0 | 0.65 |

### LINEA 1.5" MINI PERFORMANCE LENS 10W 3500K 4FT

Total Watts: 37 Total Lumens: 3691  
Source: 96 White LED's



LTL# 14664757.01

#### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 1759   | 47.7  |
| 0-60   | 2984   | 80.8  |
| 0-90   | 3691   | 100.0 |
| 90-180 | 0      | 0.0   |

**Efficacy (lumens/watt) = 101.1 lm/W**

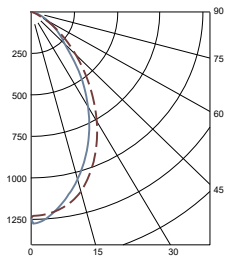
#### COEFFICIENTS OF UTILIZATION

| RC  | 80  |     |     |     |
|-----|-----|-----|-----|-----|
| RW  | 70  | 50  | 30  | 10  |
| ROR |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 |
| 1   | 109 | 105 | 100 | 97  |
| 2   | 100 | 92  | 85  | 79  |
| 3   | 91  | 81  | 73  | 66  |
| 4   | 83  | 72  | 63  | 57  |
| 5   | 77  | 64  | 55  | 49  |
| 6   | 71  | 58  | 49  | 43  |
| 7   | 66  | 53  | 44  | 38  |
| 8   | 62  | 48  | 40  | 34  |
| 9   | 58  | 44  | 36  | 31  |
| 10  | 54  | 41  | 33  | 28  |

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

### LINEA 1.5" MINI STRAIGHT BLADE LOUVER (SLV) 10W 3500K 4FT

Total Watts: 37 Total Lumens: 1584  
Source: 96 White LED's



LTL# 14664757.05

#### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 1129   | 71.3  |
| 0-60   | 1502   | 94.8  |
| 0-90   | 1584   | 100.0 |
| 90-180 | 0      | 0.0   |

**Efficacy (lumens/watt) = 43.5 lm/W**

#### COEFFICIENTS OF UTILIZATION

| RC  | 80  |     |     |     |
|-----|-----|-----|-----|-----|
| RW  | 70  | 50  | 30  | 10  |
| ROR |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 |
| 1   | 112 | 109 | 106 | 103 |
| 2   | 105 | 99  | 94  | 89  |
| 3   | 98  | 90  | 84  | 79  |
| 4   | 91  | 82  | 75  | 70  |
| 5   | 86  | 75  | 68  | 63  |
| 6   | 80  | 70  | 62  | 57  |
| 7   | 75  | 64  | 57  | 52  |
| 8   | 71  | 60  | 53  | 48  |
| 9   | 67  | 56  | 49  | 44  |
| 10  | 63  | 52  | 45  | 41  |

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



Delta Intelligent Building Technologies

# Linea® 1.5" Mini

Linear Direct, Remote Driver



PROJECT:

TYPE:

## Performance Data

**Multiplying Factors:** (Multiplying Factor is based on 3500K-80 120V IES file on website)

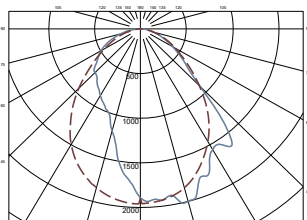
| Wattage: | 3W   | 4W   | 5W   | 6W   | 7W   | 8W   | 9W   | 10W |
|----------|------|------|------|------|------|------|------|-----|
| Factor:  | 0.31 | 0.42 | 0.53 | 0.63 | 0.72 | 0.81 | 0.90 | 1.0 |

| 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 ASYMMETRIC LENS 10W 3500K 4FT

Total Watts: 37 Total Lumens: 4046

Source: 96 White LED's



LTL# 14664757.02

#### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 2048   | 50.6  |
| 0-60   | 3358   | 83.0  |
| 0-90   | 4046   | 100.0 |
| 90-180 | 0      | 0.0   |

Efficacy (lumens/watt) = 110.8 lm/W

#### COEFFICIENTS OF UTILIZATION

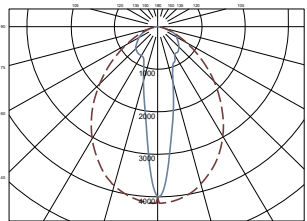
| RC  | 80  |     |     |     |
|-----|-----|-----|-----|-----|
| RW  | 70  | 50  | 30  | 10  |
| ROR |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 |
| 1   | 110 | 106 | 101 | 97  |
| 2   | 100 | 92  | 86  | 81  |
| 3   | 92  | 82  | 74  | 68  |
| 4   | 85  | 73  | 65  | 58  |
| 5   | 78  | 66  | 57  | 51  |
| 6   | 72  | 60  | 51  | 45  |
| 7   | 67  | 54  | 46  | 40  |
| 8   | 63  | 50  | 41  | 36  |
| 9   | 59  | 46  | 38  | 32  |
| 10  | 55  | 42  | 35  | 30  |

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

### LINEA 1.5" MINI GRAZER LENS 10W 3500K 4FT

Total Watts: 37 Total Lumens: 4065

Source: 96 White LED's



LTL# 14664757.04

#### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 2219   | 54.6  |
| 0-60   | 3418   | 84.1  |
| 0-90   | 4065   | 100.0 |
| 90-180 | 0      | 0.0   |

Efficacy (lumens/watt) = 111.3 lm/W

#### COEFFICIENTS OF UTILIZATION

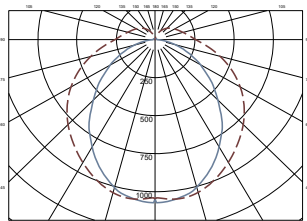
| RC  | 80  |     |     |     |
|-----|-----|-----|-----|-----|
| RW  | 70  | 50  | 30  | 10  |
| ROR |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 |
| 1   | 110 | 106 | 102 | 98  |
| 2   | 101 | 94  | 88  | 82  |
| 3   | 93  | 84  | 76  | 70  |
| 4   | 86  | 75  | 67  | 61  |
| 5   | 80  | 68  | 60  | 54  |
| 6   | 75  | 62  | 54  | 48  |
| 7   | 70  | 57  | 49  | 44  |
| 8   | 65  | 53  | 45  | 40  |
| 9   | 62  | 49  | 42  | 36  |
| 10  | 58  | 46  | 39  | 34  |

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

### LINEA 1.5" MINI DROP LENS 10W 3500K 4FT

Total Watts: 37 Total Lumens: 4014

Source: 96 White LED's



LTL# 14664757.03

#### ZONAL LUMEN SUMMARY

| Zone   | Lumens | %Fixt |
|--------|--------|-------|
| 0-40   | 1339   | 33.4  |
| 0-60   | 2397   | 59.7  |
| 0-90   | 3427   | 85.4  |
| 90-180 | 588    | 14.6  |

Efficacy (lumens/watt) = 109.9 lm/W

#### COEFFICIENTS OF UTILIZATION

| RC  | 80  |     |     |     |
|-----|-----|-----|-----|-----|
| RW  | 70  | 50  | 30  | 10  |
| ROR |     |     |     |     |
| 0   | 116 | 116 | 116 | 116 |
| 1   | 103 | 98  | 93  | 88  |
| 2   | 93  | 84  | 77  | 70  |
| 3   | 85  | 73  | 65  | 58  |
| 4   | 77  | 65  | 55  | 48  |
| 5   | 71  | 58  | 48  | 41  |
| 6   | 65  | 52  | 42  | 36  |
| 7   | 60  | 47  | 38  | 32  |
| 8   | 56  | 43  | 34  | 28  |
| 9   | 52  | 39  | 31  | 25  |
| 10  | 49  | 36  | 28  | 23  |

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



Delta Intelligent Building Technologies



# Linea® 1.5" Mini

Linear Direct, 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 ---

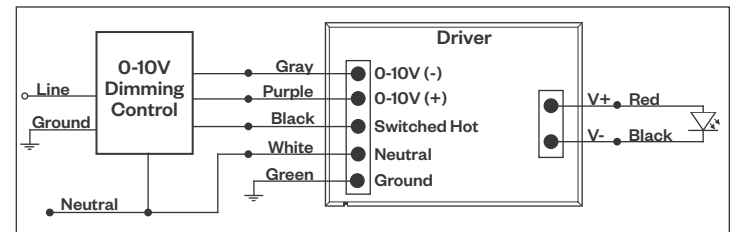
### 0-10V - DIMMING (Standard)

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

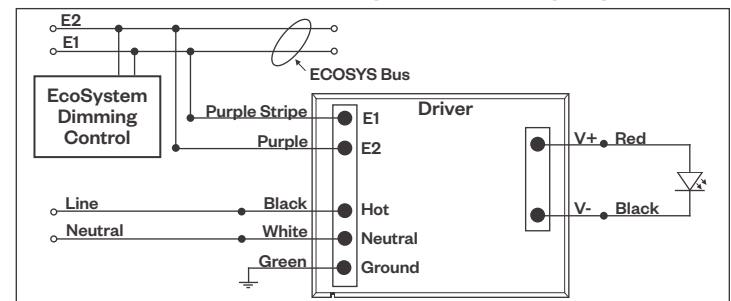
#### Notes:

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

#### Compatible Dimmers\*:

| Lutron ECO System       | Central System                       |
|-------------------------|--------------------------------------|
| Pow Pak Dimming Modules | Lutron EcoSystem compatible controls |
| Energj 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

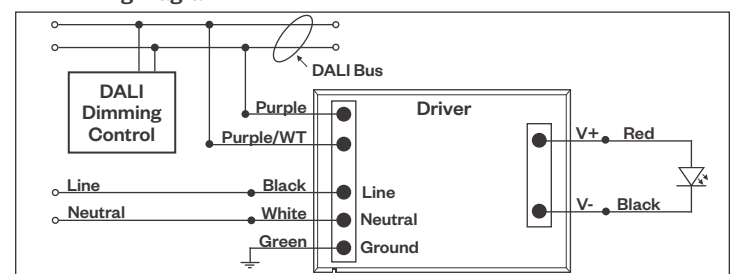
#### Notes:

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

#### Compatible Dimmers\*:

| Wall Box                 | Central System |
|--------------------------|----------------|
| Leviton OD250 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.