

# Linea<sup>®</sup> 2.5"

Linear Direct with  
Adjustable Accents

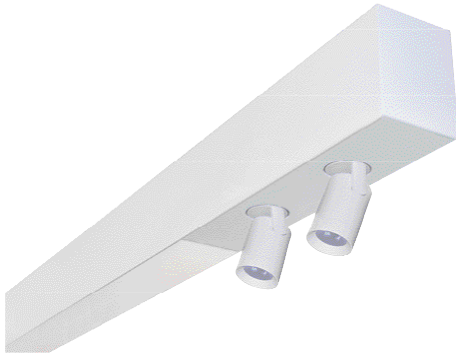


## Features

Linea Accent 2.5" drives your design scenario, seamlessly. Streamlined and adjustable, this family of architectural LED pendants provide the freedom to create truly dynamic spaces. A synthesis of aesthetics, performance and energy efficiency, Linea Accent family delivers on its promises. Linea Accent 2.5" complements our Gruv 2.5" products

## Product Overview

Type:	Cable Suspended or Surface Direct
Wattage (Linear):	5W/ft, 10W/ft (other wattages available see p2)
Lumen Output (Linear):	3,873 max; 93.2 Lm/W (10W, 4ft fixture)
Wattage (Accent):	7W (per accent head)
Lumen Output (Accent):	451 max; 63.3 Lm/W
Color Temp:	2700K, 3000K, 3500K, 4000K
CRI:	83 typ. or 90+ typ
Dimming:	0-10V, 1% dim (standard) DALI dimming, 1% dim



Linea 2.5" with Surface Mount Accents

## PROJECT:

## TYPE:



Linea 2.5" with Flush Mount Accent

## Fixture Summary (see following pages for more information)

### Performance Chart - Linear

Wattage Per Foot	Delivered Lumens	LPW	Color Temp
5	2,053	103.2	3000K-83
10	3,873	93.2	3000K-83

Data is based on 4' fixture with Performance Lens 3000K-83. IES files available on website

### Performance Chart-Accent

Watts	Delivered Lumens	LPW	CBCP	Color Temp
7	451	63.3	4861	3000K-83

Data is per head and is based on Spot optic

### Electrical Data-Linear

Wattage Per Foot		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

### Electrical Data-Accent

	7W/Accent	
	System Watts	Amps
120V	7	0.06
277V	7	0.03



# Linea® 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED



## PROJECT:

## TYPE:

### Ordering Information



**1** Model  
**LA2.5-D** - linear with 12" accent plate on both ends

**2** Optics  
**PL** - performance lens (standard)  
**DL** - designer lens

**3** Mounting  
**ASW10** - through ceiling tile or gyp board, white, 10'  
**ASB10** - through ceiling tile or gyp board, black, 10'  
**ASW10T** - over ceiling tee, white, 10'  
**ASB10T** - over ceiling tee, black, 10'  
**SM** - surface mount

**4** Circuiting  
**1** - single circuit for direct & accent  
**2** - 2 circuits for separate control of direct & accent, single feed

**5** Wattage-Linear (per foot)  
Standard:  
**5** - 5W/ft  
**10** - 10W/ft  
Optional:  
**3** - 3W/ft (minimum 6' length)  
**4** - 4W/ft  
**6** - 6W/ft  
**7** - 7W/ft  
**8** - 8W/ft  
**9** - 9W/ft  
**Note: Accent - 7W/Accent**

**6** Color Temp (for Linear & Accent)  
**83 CRI:**                      **90+ CRI:**  
**27** - 2700K-83              **279** - 2700K-90+  
**30** - 3000K-83              **309** - 3000K-90+  
**35** - 3500K-83              **359** - 3500K-90+  
**40** - 4000K-83              **409** - 4000K-90+

**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 (of entire fixture, see page 5)  
**4** - 4' Ind. (2' linear in center, 12" plate w/accents on both ends)  
**5** - 5' Ind. (3' linear in center, 12" plate with accents on both ends)  
**6** - 6' Ind. (4' linear in center, 12" plate with accents on both ends)  
**7** - 7' Ind. (5' linear in center, 12" plate with accents on both ends)  
**8** - 8' Ind. (6' linear in center, 12" plate with accents on both ends)

**10** Accent Heads  
**(12" plate on both ends of fixture, plates can have either 1 accent head or 2 accent heads. CCT, CRI & Finish to match linear unit)**  
**BF1** - 12" plate with 1 flush mount accent in center, 14W/fixture  
**BF2** - 12" plate with 2 flush mount accents at 4 1/2" center to center, 28W/fixture  
**BS1** - 12" plate with 1 surface mount accent in center, 14W/fixture  
**BS2** - 12" plate with 2 surface mount accents at 4 1/2" center to center, 28W/fixture

**11** Beam Spreads-Accents  
**SP** - spot, 13°  
**NF** - narrow flood, 18°  
**FL** - flood, 28°

**12** Drivers  
**O-10V** - 1% electronic dimming, multi-volt (120-277VAC) constant current driver (standard).  
**DALI** - DALI Dimming 120-277VAC, 1% dim

**13** Options/Accessories-Accents  
**AH** - accessory holder  
**HEX** - hexcell louver (requires AH)

**Note: For custom patterns submit EDR on amerlux.com**

# Linea® 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED



## 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.

#### 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

##### Linear:

All lenses are snap-in, extruded acrylic, with a maximum length of 8'. Amerlux's proprietary acrylic lens provide 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.

##### Accent:

Tilt: 0-90° (for surface mount accent only)

Rotation: 360°+ (for surface mount accent only)

Beam Spreads: Spot, 13°; Narrow Flood, 18; Flood, 28°

#### 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 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 (linear):** 16 @ CRI 83, >50 @ CRI 90+

**R9 (accent):** 7 @ CRI 83, 77 @ CRI 90+

**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.

##### Linear Ambient:

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

**Optional Wattages:** 3W/ft, 4W/ft, 6W/ft, 7W/ft, 8W/ft, 9W/ft.

For other wattages consult factory.

##### Accent:

**Wattage:** 7W per accent head (14W/fixture that are utilizing plates with 1 accent head or 28W/fixture that are utilizing plates with 2 accent heads)

Electronic constant current LED driver, 120V/277V AC input

**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.**

#### Drivers

**0-10V** - 1% electronic dimming, multi-volt (120-277VAC) constant current driver (standard). Cap leads for non-dim applications.

**DALI** - DALI Dimming 120-277VAC, 1% dim

#### 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 4ft to 8ft (in 1' increments). These are stand alone fixtures with matching End Caps, supplied with the mounting hardware.

#### Mounting

**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

**Surface Mount:** 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<sup>®</sup> 2.5" Direct with Accents

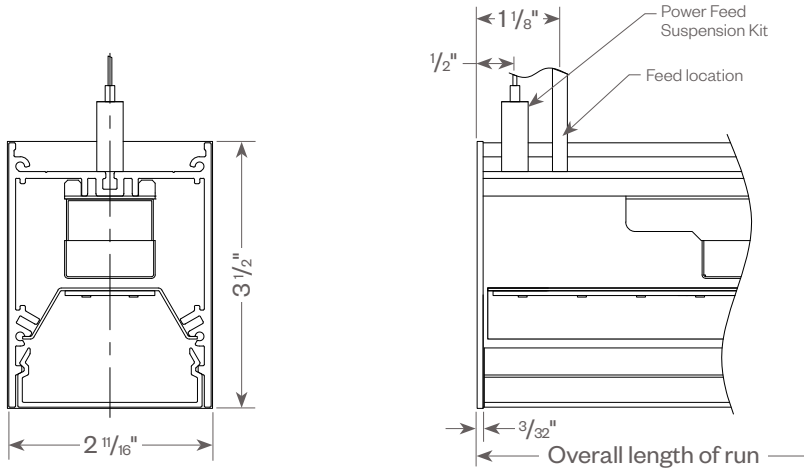
Linear Direct with Adjustable Accents, LED



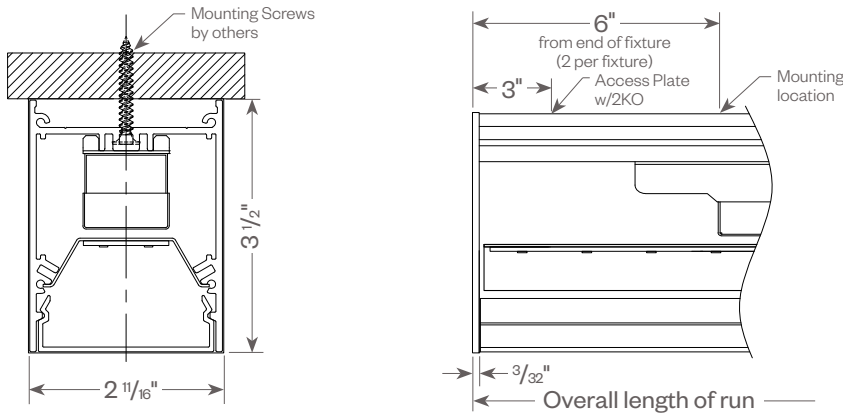
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**TYPE:**

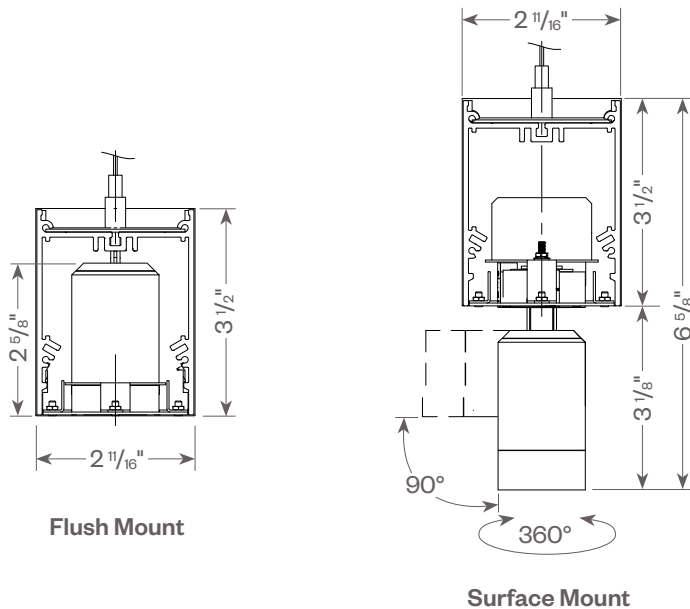
**LINEA 2.5" DIRECT**



**LINEA 2.5" DIRECT SURFACE MOUNT**



**ACCENT DETAIL**



**Flush Mount**

**Surface Mount**

# Linea<sup>®</sup> 2.5" Direct with Accents

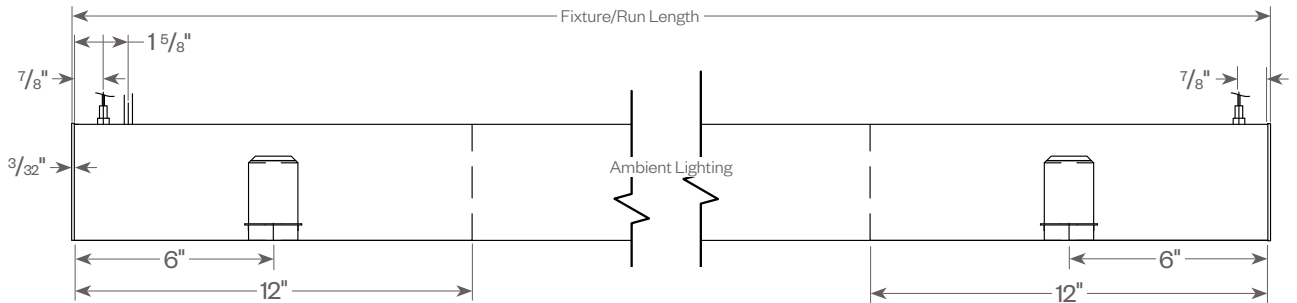
Linear Direct with Adjustable Accents, LED



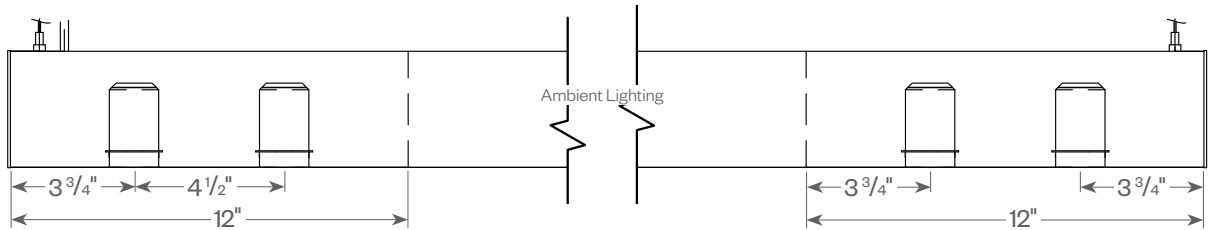
## PROJECT:

## TYPE:

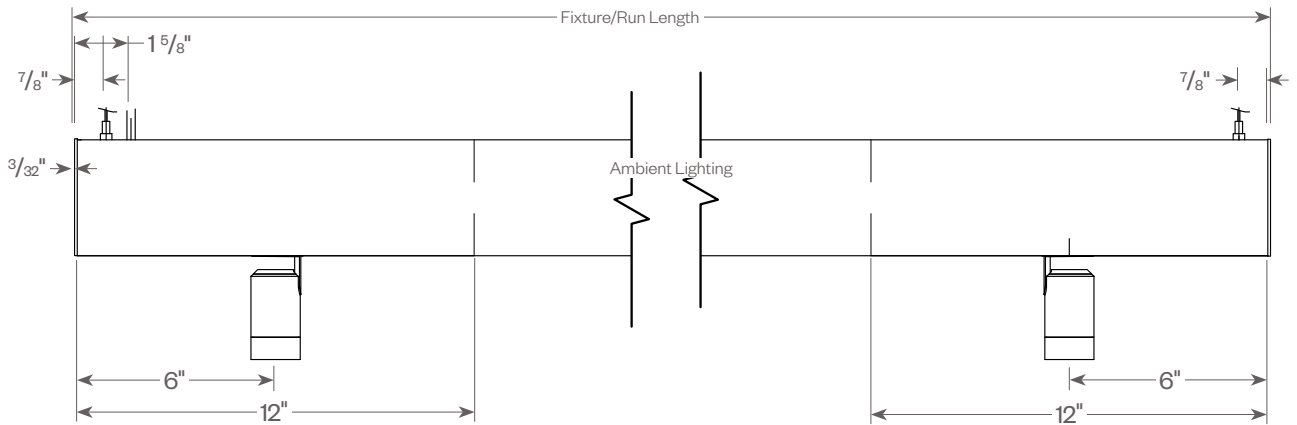
### 1 FLUSH MOUNT ACCENT ON EACH PLATE



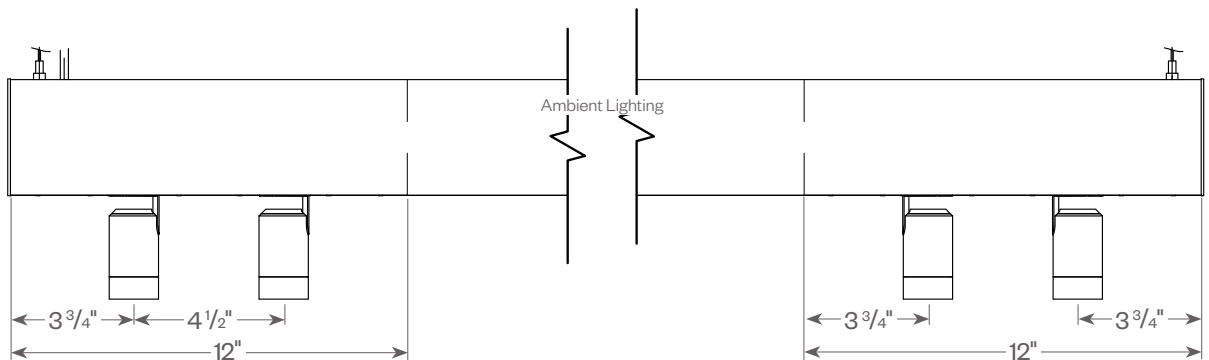
### 2 FLUSH MOUNT ACCENTS ON EACH PANEL



### 1 MOUNT ACCENT ON EACH PLATE



### 2 SURFACE MOUNT ACCENTS ON EACH PLATE



# Linea<sup>®</sup> 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED

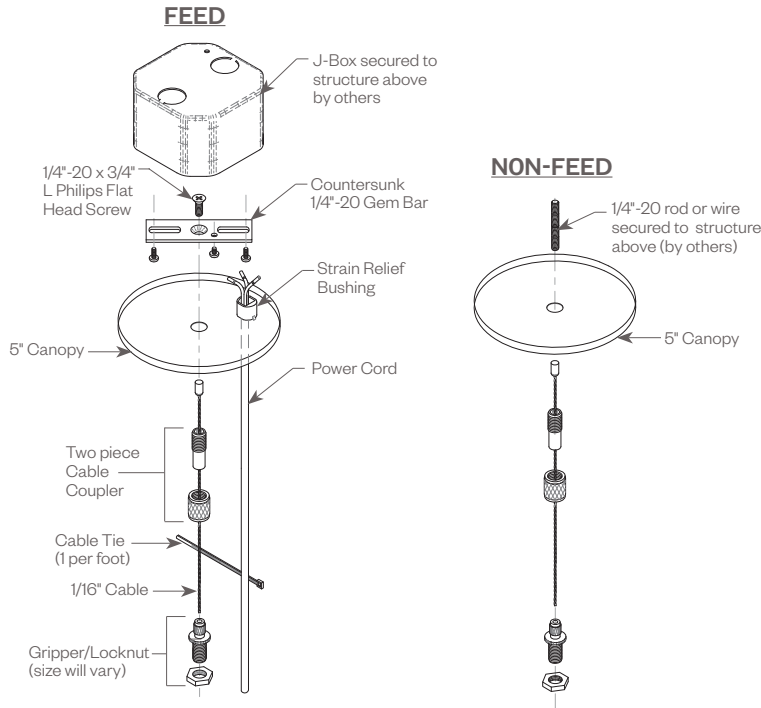


**PROJECT:**

**TYPE:**

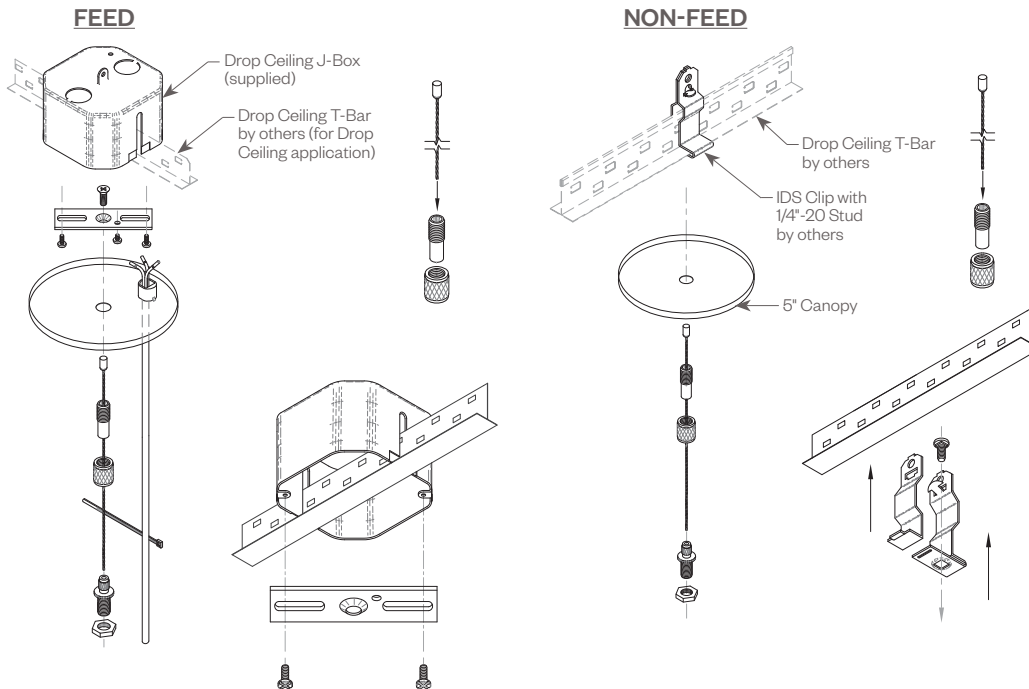
## CABLE KIT SUSPENSION OPTIONS:

### CEILING OR GYPSUM BOARD (ASW10, ASW20, ASB10, ASB20)



Cat#	Length	Cord/Canopy	Application
ASW10	10'	white/white	ceiling tile/gypsum
ASB10	10'	black/black	ceiling tile/gypsum
ASW10T	10'	white/white	ceiling tee
ASB10T	10'	black/black	ceiling tee

### TEE GRID OR SCREW SLOT (ASW10T, ASW20T, ASB10T, ASB20T)



# Linea® 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED



## PROJECT:

## TYPE:

**LINEAR FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

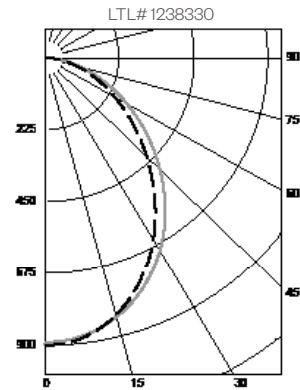
**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

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

CCT-CRI:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+	3500K-90+	4000K-90+
Factor:	0.95	1.0	1.04	1.05	0.83	0.88	0.92	0.94

### LINEA 2.5" DIRECT PERFORMANCE LENS 5W 3000K 4FT

Total Watts: 20  
Total Lumens: 2,053  
Source: 128 White LED's



#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt	Zone	Lumens	%Fixt
0-5	21.4	1.0	45-50	173.8	8.5
5-10	63.2	3.1	50-55	157.2	7.7
10-15	101.7	5.0	55-60	137.2	6.7
15-20	134.9	6.6	60-65	115.1	5.6
20-25	161.1	7.8	65-70	92.0	4.5
25-30	179.9	8.8	70-75	68.7	3.3
30-35	190.0	9.3	75-80	46.2	2.3
35-40	191.5	9.3	80-85	25.7	1.3
40-45	185.5	9.0	85-90	7.7	0.4

Zone	Lumens	%Fixt
0-40	1044	50.8
0-60	1697	82.7
0-90	2053	100.0
90-180	0	0.0

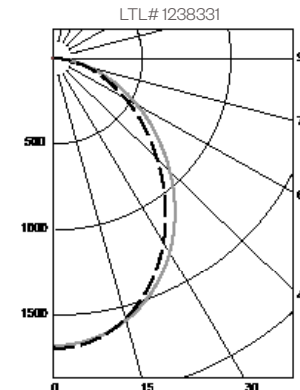
Efficacy (lumens/watt) = 103.2 lpw

#### COEFFICIENTS OF UTILIZATION

RC	RW			
	70	50	30	10
0	2443	2443	2443	2443
1	2246	2154	2071	1997
2	2056	1896	1763	1652
3	1884	1679	1520	1393
4	1734	1499	1327	1196
5	1601	1348	1171	1041
6	1484	1221	1044	918
7	1380	1112	939	818
8	1288	1019	851	735
9	1206	939	776	666
10	1133	870	712	607

### LINEA 2.5" DIRECT PERFORMANCE LENS 10W 3000K 4FT

Total Watts: 42  
Total Lumens: 3,873  
Source: 128 White LED's



#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt	Zone	Lumens	%Fixt
0-5	40.3	1.0	45-50	327.5	8.5
5-10	118.8	3.1	50-55	297.4	7.7
10-15	191.3	4.9	55-60	260.1	6.7
15-20	254.0	6.6	60-65	218.2	5.6
20-25	303.6	7.8	65-70	174.4	4.5
25-30	338.2	8.7	70-75	130.3	3.4
30-35	357.0	9.2	75-80	87.9	2.3
35-40	360.1	9.3	80-85	49.1	1.3
40-45	349.3	9.0	85-90	15.0	0.4

Zone	Lumens	%Fixt
0-40	1963	50.7
0-60	3198	82.6
0-90	3873	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 93.2 lpw

#### COEFFICIENTS OF UTILIZATION

RC	RW			
	70	50	30	10
0	4610	4610	4610	4610
1	4237	4062	3906	3765
2	3877	3574	3324	3114
3	3553	3165	2865	2625
4	3269	2825	2500	2252
5	3018	2541	2207	1961
6	2797	2300	1967	1728
7	2601	2096	1769	1539
8	2428	1921	1602	1383
9	2273	1770	1461	1253
10	2136	1639	1341	1143

# Linea<sup>®</sup> 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED



## PROJECT:

## TYPE:

**LINEAR FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

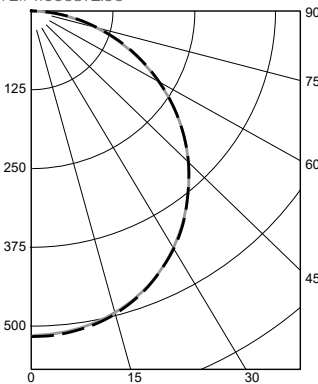
Wattage:	3W	4W	5W	6W	7W	8W	9W
Factor:	0.63	0.82	1.0	1.17	1.34	1.50	1.64

CCT-CRI:	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

### LINEA 2.5" DIRECT DESIGNER LENS 5W 3500K 4FT

Total Watts: 20  
Total Lumens: 1487  
Source: 128 White LED's

LTL# 11665872.05



#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	656	44.1
0-60	1157	77.8
0-90	1487	100.0
90-180	0	0.0

Luminaire Efficacy = 75.0 lm/w

#### COEFFICIENTS OF UTILIZATION

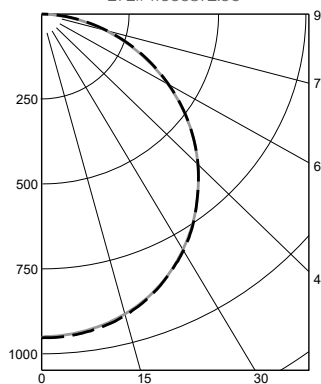
RC	80			
RW	70	50	30	10
RCR				
0	1729	1729	1729	1729
1	1572	1505	1446	1391
2	1424	1310	1215	1133
3	1296	1150	1035	942
4	1185	1019	895	799
5	1090	910	783	688
6	1006	820	693	600
7	934	744	619	530
8	870	680	558	473
9	813	624	506	426
10	763	577	463	386

Note: Values expressed as Lumens delivered to the task surface.

### LINEA 2.5" DIRECT DESIGNER LENS 10W 3500K 4FT

Total Watts: 40  
Total Lumens: 2,739  
Source: 128 White LED's

LTL# 11665872.06



#### ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-40	1211	44.2
0-60	2133	77.9
0-90	2739	100.0
90-180	0	0.0

Luminaire Efficacy = 68.7 lm/w

#### COEFFICIENTS OF UTILIZATION

RC	80			
RW	70	50	30	10
RCR				
0	3185	3185	3185	3185
1	2895	2774	2664	2564
2	2624	2414	2239	2089
3	2388	2119	1908	1738
4	2184	1877	1649	1473
5	2008	1678	1444	1268
6	1854	1512	1278	1107
7	1720	1372	1142	978
8	1603	1253	1029	873
9	1499	1151	934	785
10	1406	1063	853	712

Note: Values expressed as Lumens delivered to the task surface.



# Linea<sup>®</sup> 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED



## PROJECT:

## TYPE:

**ACCENT FIXTURE DATA:** (Complete photometric data (.ies format) available upon request)

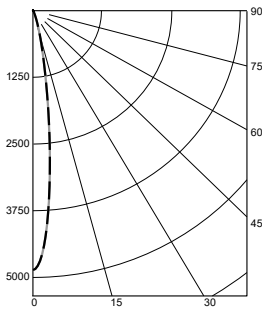
**MULTIPLYING FACTORS:** (Multiplying Factor is based on 3000K-83 120V IES file on website)

CCT:	2700K-83	3000K-83	3500K-83	4000K-83	2700K-90+	3000K-90+
Factor:	0.96	1.0	1.02	1.04	0.80	0.83

### Accent Lights 7W

Note: Data per head

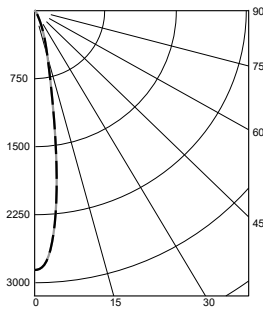
**Spot (SP) Distribution, 13°**  
LTL #1274675  
Lumens: 451



**Candelas at Nadir**

Deg	Candela
0	4861
5	3303
15	444
25	63
35	22
45	14

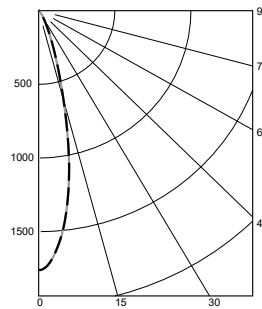
**Narrow Flood (NF) Distribution, 18°**  
LTL#1274676  
Lumens: 429



**Candelas at Nadir**

Deg	Candela
0	2860
5	2357
15	490
25	126
35	40
45	14

**Flood (FL) Distribution, 28°**  
LTL # 1274677  
Lumens: 440



**Candelas at Nadir**

Deg	Candela
0	1760
5	1578
15	652
25	160
35	42
45	13

## APPLICATION DATA:

### Notes and Definitions:

Beam spread is to 50% center beam candlepower (CBCP).

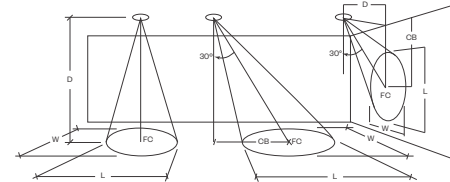
D=Distance to floor or wall.

FC=Footcandles on floor or wall at center beam aiming location.

L=Effective Visual Beam length in feet (50% of maximum footcandle level).

W=Effective Visual Beam width in feet (50% of maximum footcandle level).

CB=Distance across or down to center beam location.



**0° Aiming Angle Horizontal Footcandles**



**30° Aiming Angle Horizontal Footcandles**



**30° Aiming Angle Vertical Footcandles**



**60° Aiming Angle Vertical Footcandles**

	0° Aiming Angle Horizontal Footcandles				30° Aiming Angle Horizontal Footcandles					30° Aiming Angle Vertical Footcandles					60° Aiming Angle Vertical Footcandles				
	D	FC	L	W	D	FC	L	W	CB	D	FC	L	W	CB	D	FC	L	W	CB
<b>Spot</b>	5.0'	194	1.2	1.2	5.0'	125	1.5	1.3	3.0	3.0'	73	2.9	1.3	5.0	3.0'	253	1.3	1.1	2.0
	7.5'	86	1.7	1.7	7.5'	55	2.4	2.0	4.0	4.0'	42	3.5	1.7	6.0	4.0'	181	1.5	1.1	2.0
	10.0'	49	2.5	2.5	10.0'	31	3.3	2.9	6.0	5.0'	27	4.2	2.4	8.0	5.0'	121	1.7	1.4	3.0
	12.5'	31	3.0	3.0	12.5'	21	3.9	3.4	7.0	6.0'	19	5.2	2.8	9.0	6.0'	80	2.2	1.6	3.0
<b>Narrow Flood</b>	5.0'	115	1.4	1.4	5.0'	74	2.0	1.6	3.0	3.0'	45	3.2	1.5	4.0	3.0'	168	1.5	1.2	2.0
	7.5'	51	2.3	2.3	7.5'	34	2.9	2.7	4.0	4.0'	28	3.9	2.1	6.0	4.0'	119	1.7	1.3	2.0
	10.0'	29	3.1	3.1	10.0'	19	3.9	3.4	5.0	5.0'	18	4.9	2.8	7.0	5.0'	72	2.1	1.6	3.0
	12.5'	18	3.7	3.7	12.5'	12	4.8	1.2	7.0	6.0'	13	5.9	3.2	9.0	6.0'	53	2.4	1.9	3.0
<b>Flood</b>	5.0'	71	2.2	2.2	5.0'	46	2.9	2.6	3.0	3.0'	35	3.4	2.2	4.0	3.0'	107	2.1	1.5	2.0
	7.5'	31	3.2	3.2	7.5'	21	4.0	3.6	4.0	4.0'	20	4.5	2.9	5.0	4.0'	75	2.2	1.9	2.0
	10.0'	18	4.4	4.4	10.0'	12	5.4	4.9	5.0	5.0'	13	5.7	3.6	6.0	5.0'	45	2.9	2.7	3.0
	12.5'	11	5.4	5.4	12.5'	8	6.9	6.2	6.0	6.0'	9	7.0	4.4	8.0	6.0'	33	3.3	2.9	3.0

# Linea® 2.5" Direct with Accents

Linear Direct with Adjustable Accents, LED



## PROJECT:

## TYPE:

### 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:

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

#### Compatible Dimmers†:

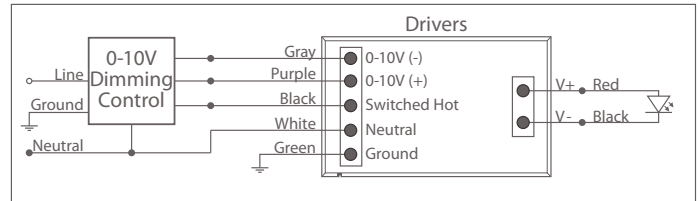
##### Wall Box

Lutron:	Wattstopper:	Leviton:
Diva - DVSTV	ADF-120277	Renoir II
Maestro - MS-Z101		
Nova-T - NTSTV-DV		

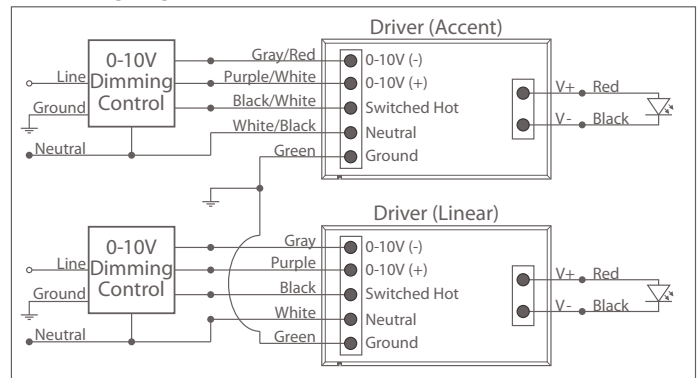
##### Center System

Lutron Grafikx Eye with GRX-TV1 Interface

0-10V Wiring Diagram (1 Circuit)



0-10V Wiring Diagram (2 Circuit)



### DALI - DALI DIMMING

Digital control protocol allows individual fixture control

#### Notes:

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

#### Compatible Dimmers†:

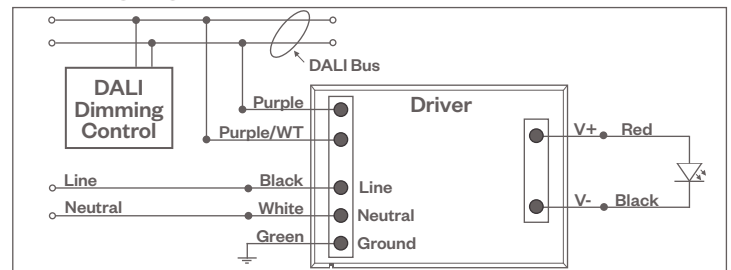
##### Wall Box

Leviton CD250 Controller

##### Center System

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.