

# LINEA® 2.5" DIRECT

## LINEAR DIRECT LED

### APPLICATIONS:

Commercial and retail direct ambient lighting

### CONSTRUCTION:

One piece extruded aluminum housing  
Internal components are die-formed galvanized and cold-rolled steel  
Individual housing lengths are 47 3/4" or 95 1/4"  
Can be configured in continuous rows to custom lengths or in patterns. Please consult factory.  
High reflectance white finish. For other finishes, consult factory

### MOUNTING:

Aircraft cable suspension, surface mount or wall mount  
Fixtures may be continuously row-mounted or configured in a pattern, consult factory

### LABELING:



For indoor use only

### OPTICS:

Watts	Lumens	Lumens/Watt
5w/ft	513 lm/ft	103.2 lpw
10w/ft	968 lm/ft	93.2 lpw

Die-formed high reflectance white enamel reflector

**Lens:** Extruded white acrylic lens, snap-in, 8' maximum section. Amerlux exclusive white acrylic lens provides excellent transmission while effectively concealing lamp image. Specify either Designer Lens (DL), which provides flat even glow on lens or Performance Lens (PL), which provides higher efficiency with a greater linear hot spot (no LED imaging) on lens. Performance Lens is standard

### ELECTRICAL:

Electronic, multi-volt (120v-277v) constant current driver  
0-10v dimming, down to 1%, standard  
**This product complies with IEEE C62.41 for surge endurance up to 3KV. Amerlux® recommends using additional surge protection with this unit (supplied by others), surge damage is not covered by warranty.**

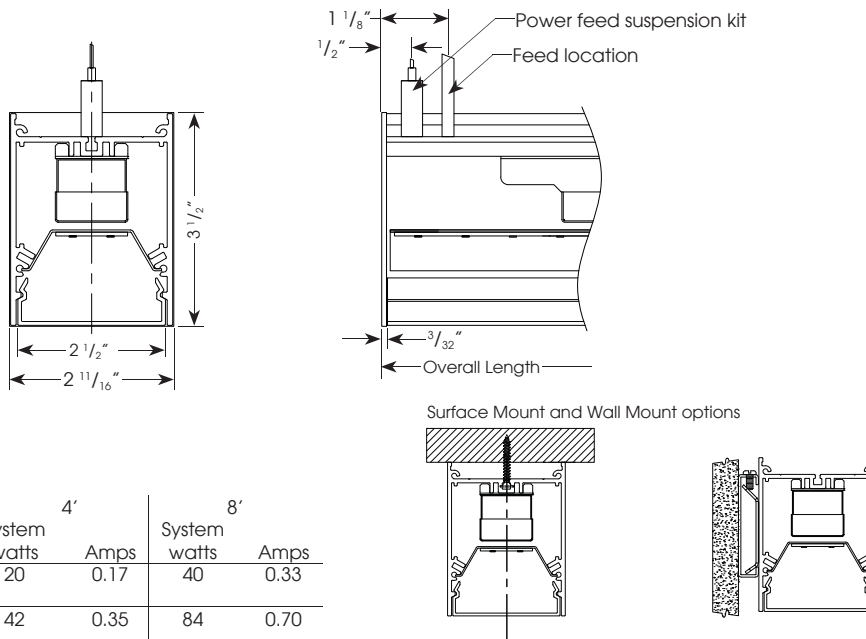
**Emergency circuit via remote inverter or auxiliary emergency power supply (by others)**

LIN2.5-D  
LED



PROJECT:

TYPE:



### ELECTRICAL

Electronic driver

Wattage per foot		4'		8'	
		System watts	Amps	System watts	Amps
5	120v	20	0.17	40	0.33
	277v				
10	120v	42	0.35	84	0.70
	277v				

  
Electrostatic sensitive device,  
observe precautions for  
handling



Enlighted Sensor  
(optional)

**10** year limited  
warranty  
AMERLUX LED  
(see website for details)

### ORDERING INFORMATION:

Model	Lens	Mounting	Wattage per Foot	Lamp Type	Color Temp	Finish	Voltage	Length	Configuration	Options
LIN2.5-D	DL - designer lens PL - performance lens (standard)	ASW10 - aircraft cable with straight feed, (18ga., 5 conductor), white, 10' SM - surface mount WM - wall mount	5 10 Consult factory for other wattage configurations	LED	2700 3000 3500 4000	HW - high reflectance white _____ (other RAL)	120 277	4 8 _____ (run to nearest foot)	IND - individual BOR - beginning of run MOR - middle of run EOR - end of run _____ Consult factory for patterns	HILUME-DH - Lutron Hi-Lume® 3 wire, 1% dim (A series) HILUME-ECO - Lutron Hi-Lume® EcoSystem, 1% dim (A series) ENLS - Enlighted Sensor

Example: LIN2.5-D-DL-ASW10-10-LED-3500-HW-120-4-IND

Cat #:

Amerlux reserves the right to change details that do not affect overall function and performance.

# LINEA® 2.5" DIRECT

LINEAR DIRECT LED

LIN2.5-D  
LED

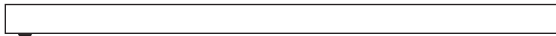


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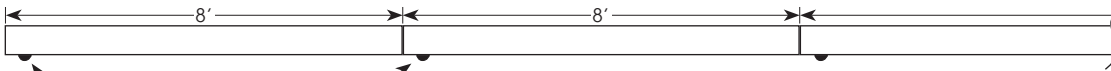
## STANDARD PLACEMENT(S) FOR (OPTIONAL) ENLIGHTENED SENSOR:

### 4 FT OR 8 FT DIRECT



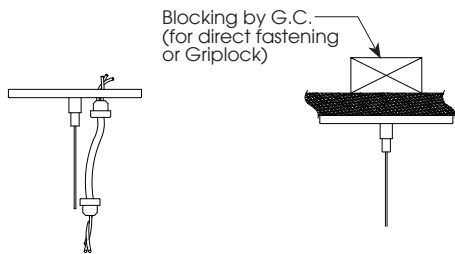
Optional Enlighted Sensor

### RUNS



Optional Enlighted Sensor

## SUSPENSION/CANOPY KITS (INCLUDED):



**Power Feed Canopy**  
ASW10:  
120" aircraft cable  
10' white cord 18/5,  
Ø5" white canopy

**Non-Feed Canopy**  
ASW10:  
120" aircraft cable  
Ø5" white canopy

# LINEA® 2.5" DIRECT

LINEAR DIRECT LED

LIN2.5-D  
LED



TYPE:



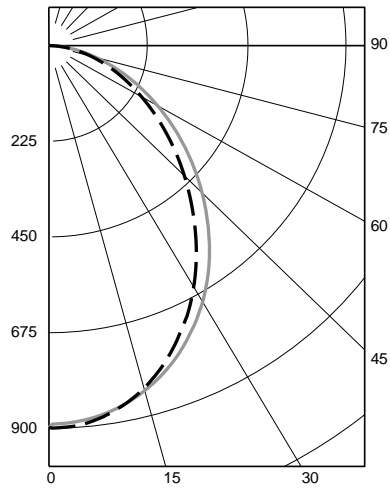
**FIXTURE DATA:**

Complete photometric data (ies format) available upon request.

**PERFORMANCE LENS:**

LINEA 2.5" DIRECT, 5W/FT, 4' FIXTURE, 3000K  
Lamp: 128 white LED's  
Mounting: Pendant Indirect

LENS DIRECT  
LTL# 1238330  
LUMENS: 513/FT



**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

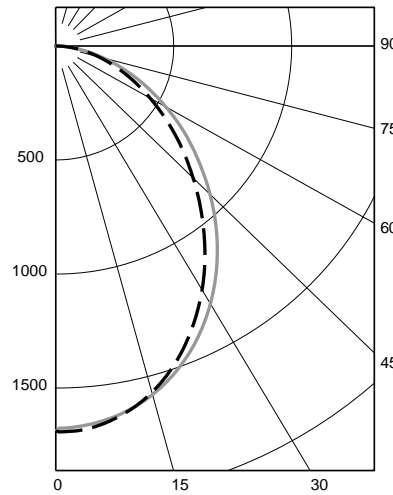
Efficacy (lumens/watt) = 103.2 lpw

**COEFFICIENTS OF UTILIZATION**

RC	70	50	80	30	10
RW					
0	2443	2443	2443	2443	2443
1	2246	2154	2071	1997	1997
2	2056	1896	1763	1652	1652
3	1884	1679	1520	1393	1393
4	1734	1499	1327	1196	1196
5	1601	1348	1171	1041	1041
6	1484	1221	1044	918	918
7	1380	1112	939	818	818
8	1288	1019	851	735	735
9	1206	939	776	666	666
10	1133	870	712	607	607

LINEA 2.5" DIRECT, 10W/FT, 4' FIXTURE, 3000K  
Lamp: 128 white LED's  
Mounting: Pendant Indirect

LENS DIRECT  
LTL# 1238331  
LUMENS: 968/FT



**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	70	50	80	30	10
RW					
0	4610	4610	4610	4610	4610
1	4237	4062	3906	3765	3765
2	3877	3574	3324	3114	3114
3	3553	3165	2865	2625	2625
4	3269	2825	2500	2252	2252
5	3018	2541	2207	1961	1961
6	2797	2300	1967	1728	1728
7	2601	2096	1769	1539	1539
8	2428	1921	1602	1383	1383
9	2273	1770	1461	1253	1253
10	2136	1639	1341	1143	1143

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LIN2.5-D  
LED



TYPE:



**FIXTURE DATA:**

Complete photometric data (ies format) available upon request.

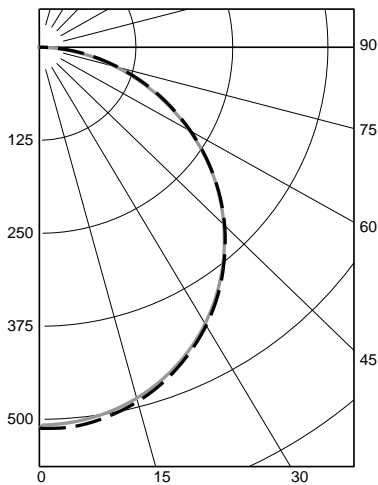
**DESIGNER LENS:**

LINEA 2.5" DIRECT, 5W/FT, 4' FIXTURE, 3000K  
Lamp: 128 white LED's  
Mounting: Pendant Indirect

LENS DIRECT  
LTL# 1238336  
LUMENS: 371/FT

LINEA 2.5" DIRECT, 10W/FT, 4' FIXTURE, 3000K  
Lamp: 128 white LED's  
Mounting: Pendant Indirect

LENS DIRECT  
LTL# 1238337  
LUMENS: 701/FT



**ZONAL LUMEN SUMMARY**

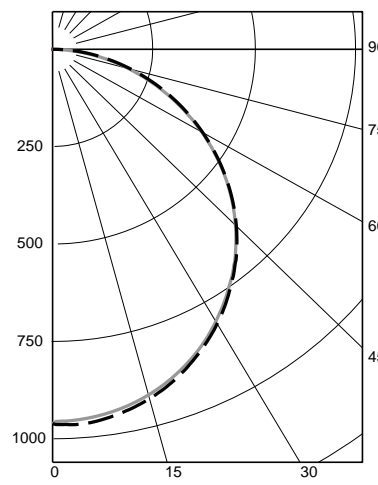
Zone	Lumens	%Fixt	Zone	Lumens	%Fixt
0-5	12.2	0.8	45-50	130.1	8.8
5-10	36.3	2.4	50-55	123.9	8.4
10-15	59.1	4.0	55-60	113.8	7.7
15-20	79.9	5.4	60-65	100.3	6.8
20-25	97.9	6.6	65-70	84.0	5.7
25-30	112.5	7.6	70-75	65.6	4.4
30-35	123.3	8.3	75-80	46.2	3.1
35-40	129.8	8.8	80-85	27.1	1.8
40-45	132.0	8.9	85-90	8.8	0.6

Zone	Lumens	%Fixt
0-40	651	43.9
0-60	1151	77.6
0-90	1483	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 74.6 lpw

**COEFFICIENTS OF UTILIZATION**

RC	RW			
	70	50	30	10
0	1765	1765	1765	1765
1	1607	1534	1468	1409
2	1459	1333	1229	1142
3	1328	1168	1045	946
4	1215	1034	901	800
5	1117	923	788	688
6	1031	830	696	600
7	956	753	621	529
8	889	687	559	472
9	831	630	507	424
10	779	581	463	384



**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Fixt	Zone	Lumens	%Fixt
0-5	23.0	0.8	45-50	246.3	8.8
5-10	68.3	2.4	50-55	234.8	8.4
10-15	111.3	4.0	55-60	215.7	7.7
15-20	150.4	5.4	60-65	190.1	6.8
20-25	184.2	6.6	65-70	159.3	5.7
25-30	211.8	7.6	70-75	124.5	4.4
30-35	232.1	8.3	75-80	87.8	3.1
35-40	244.8	8.7	80-85	51.5	1.8
40-45	249.9	8.9	85-90	16.7	0.6

Zone	Lumens	%Fixt
0-40	1226	43.7
0-60	2173	77.5
0-90	2803	100.0
90-180	0	0.0

Efficacy (lumens/watt) = 67.5 lpw

**COEFFICIENTS OF UTILIZATION**

RC	RW			
	70	50	30	10
0	3336	3336	3336	3336
1	3037	2898	2774	2662
2	2756	2518	2322	2157
3	2509	2207	1973	1786
4	2295	1952	1701	1510
5	2109	1742	1486	1297
6	1947	1568	1313	1131
7	1804	1420	1172	997
8	1679	1296	1054	889
9	1569	1189	956	799
10	1471	1097	873	724