

Lumination

LED Luminaires

Suspended Luminaire - LOP Series

Project Name _____

Date _____ Type _____

Notes _____



The Lumination® LOP Series LED Linear luminaire is designed with a unique balance between technology and performance. This commercial luminaire comes with a unique on-the-spot customization of the up and down light distributions. It also features a light uniformity output that is easy on the eyes while achieving a high efficacy, CRI and R9 with TriGain® technology. The LOP is a combination of design finesse, technology and performance.

CONSTRUCTION

Housing: Bezel construction. Steel, Cold-rolled, Commercial quality

Paint: Textured powder coat finish

Weight: 18lbs (4'ft) or 33lbs (8'ft)

CONTROLS

Dimming: VQ = 0-10V Dimming 10%

LQ = Lutron LDE5 EcoSystem

TQ = Wireless Enabled Daintree Compatible

TS = Wireless Enabled, Daintree Compatible w/ Daintree WFA100

OPTICAL SYSTEM

Lumens: 3000 lm - 9600 lm

Distribution: Up light/Down light ratio options: 70%/30%; 30%/70%; 50%/50%; 20%/80% (convertible options)

Wattage: 24-95 Watts

Efficacy: Up to 110LPW

CCT: 3000K, 3500K, 4000K, 5000K

CRI: 83, 90+ TriGain®

LUMEN MAINTENANCE

LXX(10K) @ Hours
50,000 HR

L85

MOUNTING

- Suitable for both dry and damp locations
- Suspended by adjustable 120" aircraft cable
- 102" 18/4 power cord and 18/2 dimming cord mounted to a standard ceiling junction box
- Maximum Continuous Run Length per Power Drop depends on Lumen Package and Voltage
 - 120V-80ft (low lumen)
 - 120V-48ft (high lumen)
 - 277V-180ft (low lumen)
 - 277V-104ft (high lumen)
 - 340V-230ft (low lumen)
 - 340V-132ft (high lumen)
- Refer to Kits and Accessories table for compatible components to complete installation

ELECTRICAL

Input Voltage: 120-277V, 347V

Input Frequency: 50-60 Hz

Power Factor (PF)*: >0.9

Total Harmonic Distortion (THD)*: <20%

* System PF and THD specified at rated watts

DESIGN LIFE & WARRANTY

- Damp Location rated
- Please see website.



ORDERING INFORMATION

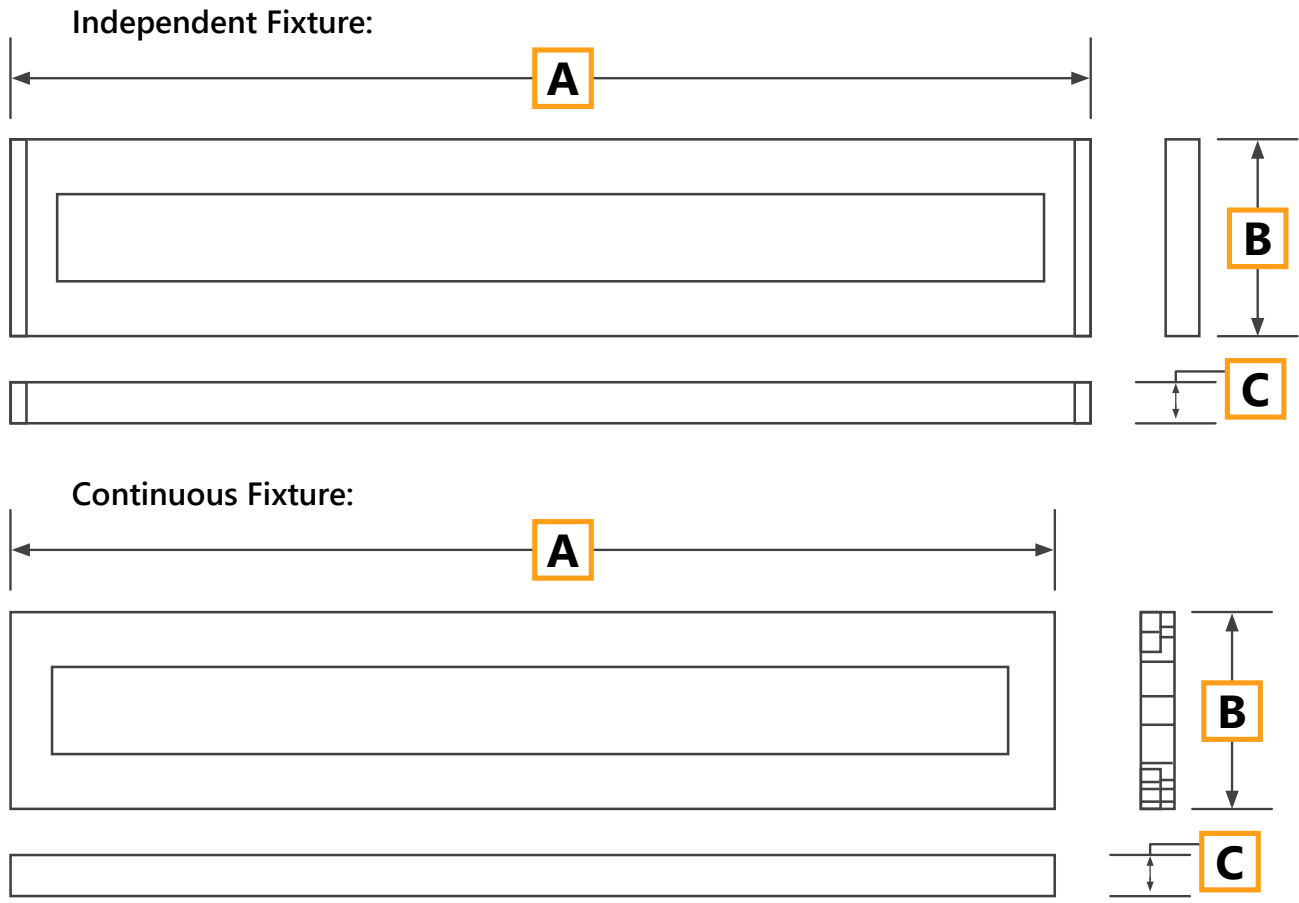
LOP		A	0				CS	WHITE			
FAMILY	FIXTURE TYPE	GENERATION	VOLTAGE	LUMEN	CRI	CCT	CONTROLS	DISTRIBUTION	MOUNTING	FINISH	OPTIONS
LOP = Lumination® Office Professional	I4 = 4ft Independent I8 = 8ft Independent C4 = 4ft Continuous C8 = 8ft Continuous	A = 1 st Generation	0 = 120-277 VAC D = 347VAC* *Only available with VQ option	30 = 3000lm 48 = 4800lm 60 = 6000lm 96 = 9600lm	8 = 83 CRI T = 90 CRI TriGain** *Note: Only compatible with 3500CCT & 4000CCT	30 = 3000K 35 = 3500K 40 = 4000K 50 = 5000K	VQ = 0-10V Dimming LQ = Lutron LDE5 EcoSystem TQ = Wireless Enabled, Daintree Compatible TS = Wireless Enabled, Daintree Compatible w/ Daintree WFA100	D3 = 70% Up / 30% Down D5 = 50% Up / 50% Down D7 = 30% Up / 70% Down D8 = 20% Up / 80% Down	CS = Cable Suspended	WHITE = White	[] = No Option EL = Emergency Lighting* *Not available for sale in California *EL is only available with VQ Control option and 120V/277V input voltage



CRI	LENGTH	LUMEN	POWER (VQ 0-10 DIMMING)	POWER (LQ LUTRON IDE)
83	4 ft	3000	24W	25W
		4800	39W	40W
	8 ft	6000	46W	50W
		9600	75W	81W
90	4 ft	3000	26W	27W
		4800	43W	44W
	8 ft	6000	51W	53W
		9600	86W	90W

Note:
EL Option adds +5W
TQ & TS options add +2W

PRODUCT DIMENSIONS



4 ft

4 ft Independent Fixture:

A=49.0 in (1244.6 mm) B=8.8 in (218.4 mm) C=1.6 in (40.6 mm)

4 ft Continuous Fixture:

A=48.0 in (1219.2 mm) B=8.8 in (218.4 mm) C=1.6 in (40.6 mm)

8 ft

8 ft Independent Fixture:

A=97.0 in (2463.8 mm) B=8.8 in (218.4 mm) C=1.6 in (40.6 mm)

8 ft Continuous Fixture:

A=96.0 in (2438.4 mm) B=8.8 in (218.4 mm) C=1.6 in (40.6 mm)

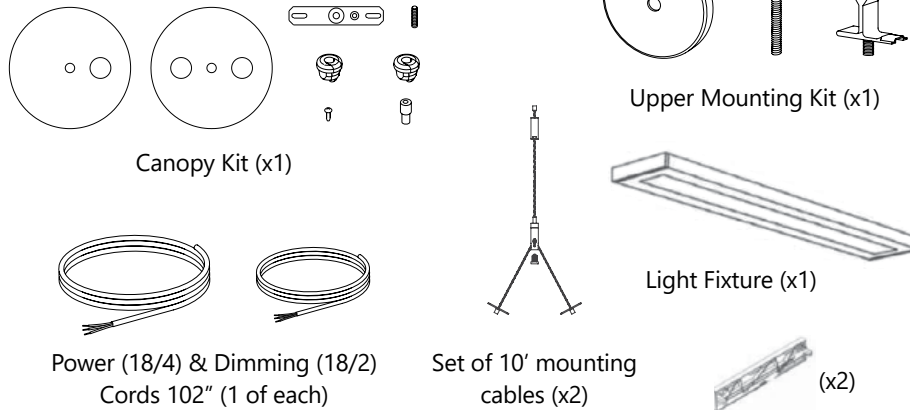
Mounting Point Dimensions

4 ft Fixture: 43.04 in (1093.20 mm) • 8ft Fixture: 91.04 in (2312.40 mm)

Accessories

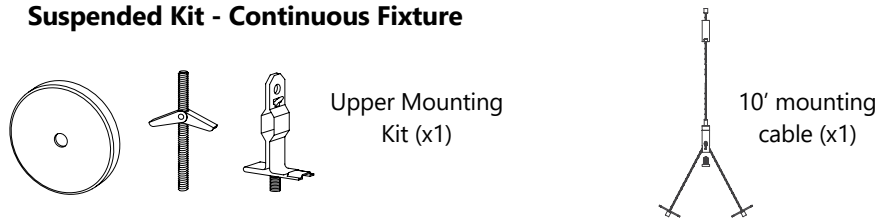
Product Code

Suspended Kit - Independent Fixture



Included with All Independent Fixtures (I4 & I8)

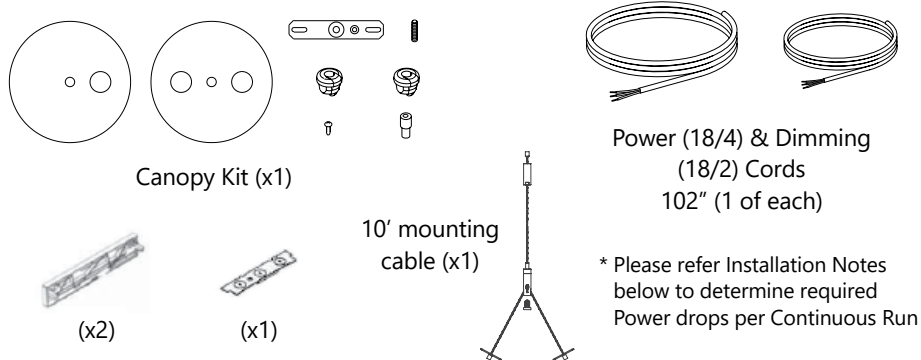
Suspended Kit - Continuous Fixture



Included with All Continuous Fixtures (C4 & C8)

Power Feed Kits Ordered Separately For Continuous Runs

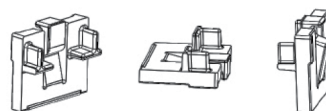
(order 1 per power drop)



VOLTAGE	END CAP COLOR	KIT # TO ORDER
120-277V	White	93053095
347V	White	93092891

Changeable Spacer Kits - Optional

(Qty 8 necessary per 4 ft section.
Each kit contains Qty 100 pcs)



93068429	LOP Spacers 30% up / 70% down
93068430	LOP Spacers 50% up / 50% down
93068431	LOP Spacers 70% up / 30% down
93054946	LOP Spacers Mixed Sample Pack

PHOTOMETRIC DATA: LOP 30% UP / 70% DOWN

CANDLEPOWER SUMMARY			
ANGLE	0°	45°	90°
45°	3607	3619	3575
55°	3397	3397	3364
65°	3131	3128	3089
75°	2762	2771	2635
85°	2207	2061	1770

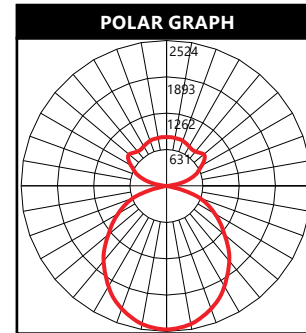
ZONAL LUMEN SUMMARY	
ZONE	LUMENS
0-10	236.87
10-20	673.17
20-30	1003.47
30-40	1184.1
40-50	1200.37
50-60	1060.79
60-70	793.74
70-80	449.13
80-90	118.37
90-100	83.25
100-110	272.51
110-120	422.47
120-130	502.76
130-140	492.84
140-150	440.01
150-160	354.57
160-170	230.71
170-180	80.87

COEFFICIENTS OF UTILIZATION-ZONAL CAVITY METHOD																															
RC	80%					70%					50%					30%					10%					0%					
	RW	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	50%	30%	10%	70%	
0	112	112	112	112	106	106	106	106	94	94	94	84	84	84	74	74	74	70	70	70	66	64	63	59	59	59	59	59	59	59	59
1	102	98	94	90	96	93	89	86	83	80	78	74	72	70	66	64	63	59	59	59	55	53	53	49	49	49	49	49	49	49	
2	93	85	79	73	88	81	75	70	73	68	64	65	61	58	58	55	53	49	49	49	51	48	45	41	41	41	41	41	41	41	
3	85	75	67	61	80	71	64	59	64	58	54	57	53	49	51	48	45	41	41	41	49	48	45	41	41	41	41	41	41	41	
4	78	66	58	52	73	63	56	50	57	51	46	51	46	42	46	42	39	37	37	37	46	42	39	37	37	37	37	37	37		
5	71	59	51	44	67	56	49	43	51	45	40	46	41	37	41	37	34	31	31	31	46	42	39	37	37	37	37	37	37		
6	66	53	45	39	62	51	43	37	46	39	35	41	36	32	37	33	30	27	27	27	46	42	39	37	37	37	37	37	37		
7	61	48	40	34	57	46	38	33	42	35	31	38	32	28	34	30	26	24	24	24	46	42	39	37	37	37	37	37	37		
8	57	44	36	30	53	42	34	29	38	32	27	35	29	25	31	27	24	21	21	21	46	42	39	37	37	37	37	37	37		
9	53	40	32	27	50	38	31	26	35	29	25	32	27	23	29	24	21	19	19	19	46	42	39	37	37	37	37	37	37		
10	49	37	29	24	47	35	28	24	32	26	22	29	24	21	27	22	19	17	17	17	46	42	39	37	37	37	37	37	37		

NOTE: Floor Cavity Reflectance: 20%

ZONAL LUMEN SUMMARY			
ZONE	LUMENS	% OF LAMP	% OF FIXTURE
0-20	910.04	N.A.	9.5
0-30	1913.51	N.A.	19.9
0-40	3097.61	N.A.	32.3
0-60	5358.77	N.A.	55.8
0-80	6601.64	N.A.	68.8
0-90	6720.01	N.A.	70

Total Luminaire Efficiency = N.A.%



For Product or Technical Questions:

Email: lightingproinfo@currentlighting.com

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