

DESCRIPTION

Cooper Lighting Solutions' LC32 combines a small scale profile with a proprietary Linear LED module that offers superior efficacy, and a diffuse uniform light distribution free from striations and hot spots. The LED module consists of a low-powered discrete LED array that runs exceptionally cool and offers aiming flexibility with three factory preset positions. Available in two light levels, this linear design tool is capable of providing more than just a decorative glow. The LC32 is ideal for cove, wall wash, and perimeter applications to visually define and/or accent architectural interior features and surfaces.

Catalog #		Type
Project		
Comments		Date
Prepared by		

SPECIFICATION FEATURES

Construction

Housing gear-tray and brackets are die formed aluminum. LED module composed of extruded aluminum heat sink and fastened to housing with stainless steel hardware. Clear acrylic extruded lens offers protection from installation handling and dust. Fixture is UL Damp Location Listed.

The LC32 linear cove system features quick connect plugs to simplify installation and allow product runs up to 120 linear feet. See table below.

LC32 Lumen Packages (3500K CCT)			
Light Level	Lumens/ft	Wattage/ft	Efficacy (LPW)
1	765	9	85
2	1330	18.5	72

LC32 Installation Run Length Specifications				
Input Voltage (VAC)	Light Level	Unit Length	Max. Number of Units (Linear Feet) to be Interconnected	Max. Distance Between Interconnected Units using Jumper Cable
120 VAC	Light Level 1	12" (305mm)	60 (60')	12' (3.7m)
		24" (610mm)	60 (120')	
	Light Level 2	12" (305mm)	60 (60')	
		24" (610mm)	30 (60')	
277 VAC	Light Level 1	12" (305mm)	120 (120')	12' (3.7m)
		24" (610mm)	120 (240')	
	Light Level 2	12" (305mm)	120 (120')	
		24" (610mm)	60 (120')	

LED Light Engine

Fixture equipped with proprietary Cooper Lighting Solutions LED available in 2700, 3000, 3500 or 4000K with 85+ CRI. Future-proof module joined with an aluminum heat sink provides exceptional thermal management for cool operation and maximum efficacy. Discrete low-powered LED array provides soft diffuse light free from striations. LEDs comply with LM-80 lifetime testing standards and offer a life rating of 50,000 hours and 70% lumen maintenance.

Driver/Electrical

Integral high performance constant current driver for switched and dimmed applications. Each cove module is configured for a line voltage feed while providing through wiring and quick connects for continuous mounting applications.

Mounting

Ametrix LC32's small scale allows for mounting within small niches, architectural coves and valences for cove and wall wash applications. Each individual luminaire module provides two structural mounting locations.

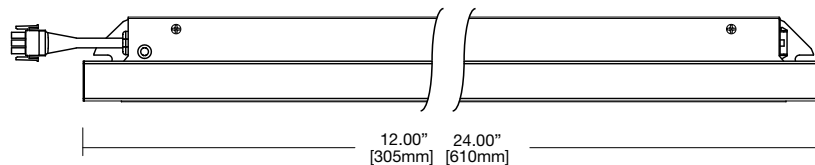
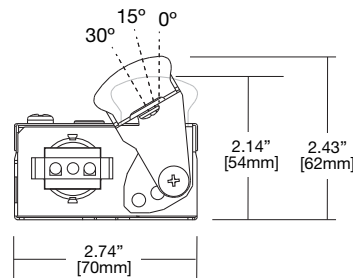
Compliance

Damp Location Listed. cULus listed for 25° C ambient environments, RoHS compliant, and compliant with IESNA LM-79. LEDs comply with LM-80 standards.



LC32 Light Level 1

LED
Architectural Cove
Integral Driver



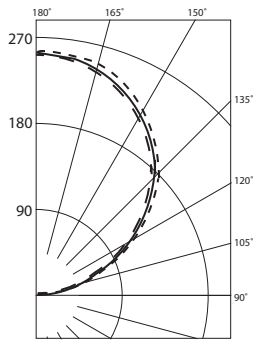
ORDERING INFORMATION

Sample Number: LC-1-27K-1C-UNV-12-00-J1

Product	Light Level	Color Temperature	Number of Circuits	Wiring ¹	Voltage ¹	Module Size	Aiming
LC: LED Cove	1: Light Level 1	27K: 2700K 30K: 3000K 35K: 3500K 40K: 4000K	1: 1 Circuit	C: Standard Switched Circuit ELV: ELV Dimming D10: 0-10V Dimming	120: 120V 220: 220V 277: 277V UNV: Universal	12: 12" module length 24: 24" module length	00: 0 degree Tilt 15: 15 degree Tilt 30: 30 degree Tilt

Options
J1: 1ft Jumper Cable
J3: 3ft Jumper Cable
J12: 12ft Jumper Cable

Notes: 1 Not all options available. Please consult your Cooper Lighting Solutions Representative for availability. Specifications and dimensions subject to change without notice.



LC-1-35K-1C-120-12
778 Lumens
8.9 Watts
87.4 LPW
LED ALM 2.0

Test Report: #P22480

Coefficients of Utilization

rc	Effective floor cavity reflectance																										
	20%																										
	80%				70%				50%				30%				10%				0%						
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	0	96	96	96	96	82	82	82	82	56	56	56	33	33	33	11	11	11	1	0	0	0	0	0	0	0	
1	87	82	79	75	74	71	68	65	49	47	45	28	27	26	9	9	9	0	0	0	0	0	0	0	0		
2	79	72	66	61	67	62	57	53	42	39	37	25	23	22	8	8	7	0	0	0	0	0	0	0	0		
3	72	63	56	51	61	54	48	44	37	34	31	22	20	18	7	7	6	0	0	0	0	0	0	0	0		
4	65	55	48	42	56	48	42	37	33	29	26	19	17	15	6	6	5	0	0	0	0	0	0	0	0		
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0	0	0	0	0	0	0	0		
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0	0	0	0	0	0	0	0		
7	50	39	32	27	43	34	28	23	23	19	16	14	11	10	5	4	3	0	0	0	0	0	0	0	0		
8	46	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0	0	0	0	0	0	0	0		
9	43	32	25	20	37	27	22	18	19	15	13	11	9	7	4	3	3	0	0	0	0	0	0	0	0		
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0	0	0	0	0	0	0	0		

Zonal Lumen Summary

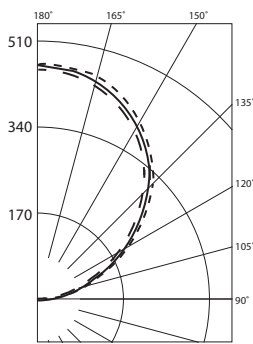
Zone	Lumens	% Lamp	% Fixture
0-90	11	N.A.	1.4
90-120	166	N.A.	21.3
90-130	290	N.A.	37.2
90-150	562	N.A.	72.2
90-180	768	N.A.	98.6
110-180	694	N.A.	89.2
0-180	778	N.A.	100

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	0	0	0
55	0	0	0
65	0	489	489
75	0	1197	1596
85	0	8292	9476

Candela

Angle	0-Deg	45-Deg	90-Deg
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	2	2
75	0	3	4
85	0	7	8
95	6	22	19
105	40	54	48
115	91	95	88
125	141	140	133
135	184	181	175
145	218	214	208
155	241	238	233
165	256	253	249
175	261	258	255
180	261	261	261



LC-1-35K-1C-120-24
1504 Lumens
17 Watts
88.5 LPW
LED ALM 2.0

Test Report: #P22467

Coefficients of Utilization

rc	Effective floor cavity reflectance																										
	20%																										
	80%				70%				50%				30%				10%				0%						
rw	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	0	96	96	96	96	82	82	82	82	56	56	56	33	33	33	11	11	11	1	0	0	0	0	0	0		
1	87	82	79	75	74	71	68	65	48	47	45	28	27	26	9	9	9	0	0	0	0	0	0	0	0		
2	79	72	66	61	67	61	57	53	42	39	37	25	23	22	8	8	7	0	0	0	0	0	0	0	0		
3	72	63	56	51	61	54	48	44	37	34	31	22	20	18	7	7	6	0	0	0	0	0	0	0	0		
4	65	55	48	42	56	48	42	37	33	29	26	19	17	15	6	6	5	0	0	0	0	0	0	0	0		
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	0	0	0	0	0	0	0	0		
6	55	44	36	31	47	38	31	27	26	22	19	15	13	11	5	4	4	0	0	0	0	0	0	0	0		
7	50	39	32	27	43	34	28	23	23	19	16	14	11	10	5	4	3	0	0	0	0	0	0	0	0		
8	46	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0	0	0	0	0	0	0	0		
9	43	32	25	20	37	27	22	18	19	15	13	11	9	7	4	3	3	0	0	0	0	0	0	0	0		
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0	0	0	0	0	0	0	0		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-90	20	N.A.	1.3
90-120	323	N.A.	21.4
90-130	563	N.A.	37.4
90-150	1088	N.A.	72.4
90-180	1484	N.A.	98.7
110-180	1340	N.A.	89.1
0-180	1504	N.A.	100

Luminance Data

Angle in Deg	0-Deg cd/sm	45-Deg cd/sm	90-Deg cd/sm
45	0	0	0
55	0	0	0
65	0	382	382
75	0	1041	1457
85	0	8652	9270

Candela

Angle	0-Deg	45-Deg	90-Deg
0	0	0	0
5	0	0	0
15	0	0	0
25	0	0	0
35	0	0	0
45	0	0	0
55	0	0	0
65	0	3	3
75	0	5	7
85	0	14	15
95	12	43	36
105	80	105	93
115	181	185	170
125	279	271	257
135	358	349	337
145	422	412	400
155	465	458	448
165	491	487	479
175	503	500	494
180	501	501	501