

DESCRIPTION

Cooper Lighting Solutions's 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.

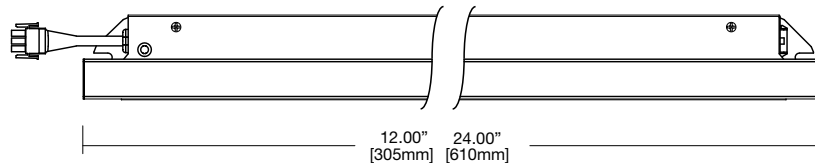
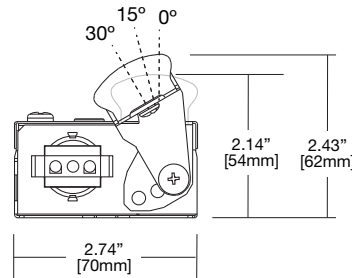
Compliance

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 2

LED
Architectural Cove
Integral Driver

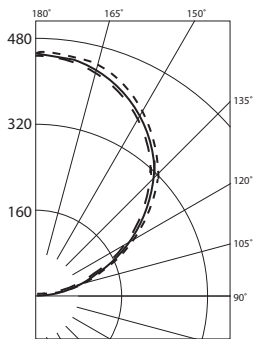


ORDERING INFORMATION

Sample Number: LC-2-27K-1C-UNV-12-30-J1

Product LC: LED Cove	Light Level 2: Light Level 2	Color Temperature 27K: 2700K 30K: 3000K 35K: 3500K 40K: 4000K	Number of Circuits 1: 1 Circuit	Wiring ¹ C: Standard Switched Circuit ELV: ELV Dimming D10: 0-10V Dimming	Voltage ¹ 120: 120V 220: 220V 277: 277V UNV: Universal	Module Size 12: 12" module length 24: 24" module length	Aiming 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-2-35K-1C-120-12
1346 Lumens
18.5 Watts
72.8 LPW
LED ALM 2.0

Test Report: #P22479

Coefficients of Utilization

rc	Effective floor cavity reflectance																						
	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	0	0	
RCR	0	96	96	96	96	82	82	82	82	56	56	56	33	33	33	11	11	11	1	1	1	1	1
1	87	82	79	75	74	71	68	65	48	47	45	28	27	26	9	9	9	9	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
3	72	63	56	51	61	54	48	44	37	34	31	22	20	18	7	7	6	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
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	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
7	50	39	32	27	43	34	28	23	23	19	16	14	11	10	5	4	3	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
9	43	32	25	20	37	27	22	18	19	15	13	11	9	7	4	3	3	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

Zonal Lumen Summary

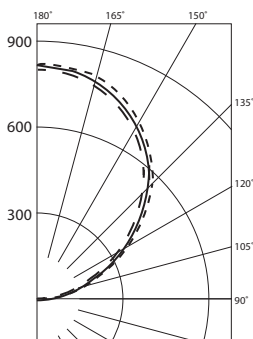
Zone	Lumens	% Lamp	% Fixture
0-90	19	N.A.	1.4
90-120	287	N.A.	21.3
90-130	501	N.A.	37.2
90-150	971	N.A.	72.2
90-180	1326	N.A.	98.6
110-180	1198	N.A.	89
0-180	1346	N.A.	100

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	244	733	977
75	0	1994	2792
85	0	15399	17768

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	1	3	4
75	0	5	7
85	0	13	15
95	11	39	34
105	69	93	84
115	157	164	154
125	243	241	230
135	318	312	303
145	376	370	360
155	417	410	402
165	442	436	430
175	451	446	441
180	450	450	450



LC-2-35K-1C-120-24
2634 Lumens
36.5 Watts
72.2 LPW
LED ALM 2.0

Test Report: #P22484

Coefficients of Utilization

rc	Effective floor cavity reflectance																						
	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	0	0	
RCR	0	96	96	96	96	82	82	82	82	56	56	56	33	33	33	11	11	11	1	1	1	1	1
1	87	82	79	75	74	71	68	65	48	47	45	28	27	26	9	9	9	9	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
3	72	63	56	51	61	54	48	44	37	34	31	22	20	18	7	7	6	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
5	60	49	42	36	51	42	36	31	29	25	22	17	15	13	6	5	4	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
7	50	39	32	27	43	34	28	23	23	19	16	14	11	10	5	4	3	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
9	43	32	25	20	37	27	22	18	19	15	13	11	9	7	4	3	3	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

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Fixture
0-90	36	N.A.	1.4
90-120	566	N.A.	21.5
90-130	986	N.A.	37.4
90-150	1905	N.A.	72.3
90-180	2598	N.A.	98.6
110-180	2346	N.A.	89
0-180	2634	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	87	436	523
75	0	1282	1994
85	0	10576	11845

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	1	5	6
75	0	9	14
85	0	25	28
95	21	75	66
105	138	185	165
115	317	324	302
125	487	473	452
135	628	610	591
145	737	720	702
155	814	802	786
165	862	853	840
175	881	877	864
180	878	878	878