

LCOMN-Select

LED - Commercial Luminaire Type N

Project:	Catalogue:	Type:
Notes:		

Product Description

Output and color selectable commercial-grade, LED strip luminaire. Ideal for many applications requiring a low-cost, small profile, lighting solution.

Applications

Coves, parking garages, retail shelving, industrial racks, utility areas.



Features

- Shallow design
- Surface or suspension mountable
- Available in nominal length of 48, & 96 inches
- Continuous raceway and row-mounting capability
- 80+ CRI
- Standard low voltage dimming (0-10v)

Featured Options

- Speedy hangers
- Aircraft cable set
- Emergency lighting battery pack

Optical System

Standard units are supplied with frosted extruded micro-grooved round polycarbonate lens.

Mounting

Mounting holes are provided. This product can be surface or suspension mounted.

Construction

Die and brake-formed, code gauge, steel housing and ends. Knockouts are provided for conduit attachment.

Finish

White, polyester powder painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours. Supplied with dimmable drivers (0-10v). Total harmonic distortion<15%. Operating temperature ranked from 0C to 40C.

Warranty

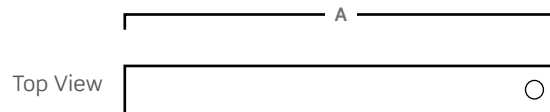
5 year limited warranty. For complete warranty, click here: [5YR Warranty](#)

Approvals

- Approved to CSA/UL standards. UL listed for insulated ceilings.
- Tested in accordance to IESNA LM-79.
- Suitable for damp locations.
- DesignLights Consortium® Pending.



Dimensions



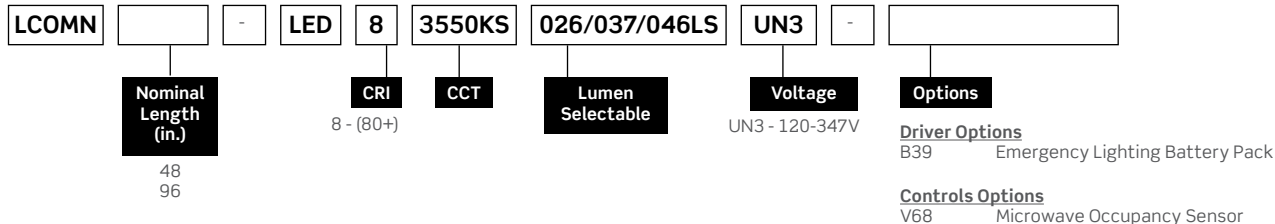
Size	A	B	C
48"	44 7/8"	2 1/16"	2 7/8"
96"	89 1/4"	2 1/16"	2 7/8"

Consult installation guide for exact dimensions.

Project:	Catalogue:	Type:
Notes:		

Order Key

EXAMPLE: LCOMN48-LED83550KSUN3



Performance Table

Output	3500K			4000K			5000K		
	lm	W	lm/W	lm	W	lm/W	lm	w	lm/W
Low	2621	19.4	135.1	2685	19.0	141.2	2663	19.6	136.0
Medium	3597	27.0	133.1	3746	26.5	141.1	3621	27.3	132.5
High	4401	34.0	129.5	4621	33.2	139.0	4410	34.5	128.0

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946

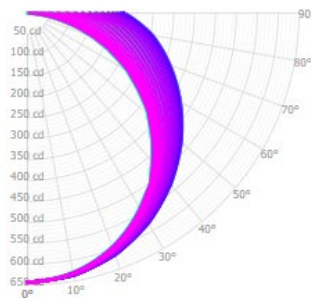
Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥ 235,000	> 60,000
L80	≥ 148,000	> 60,000
L90	≥ 70,000	> 60,000

Mounted Accessories (Ordered Separately)	
KIT00001	Chain Set (2) 4ft w/ S-hooks.M10
KIT00002	Speedy Hangers (2).M23
KIT00003	Stem & Canopy Set 3/8"IP (2) 4ft.M26
KIT00043	Aircraft Cable & Canopy Set (2) 4ft.M48 (Cord not included with the kit)
KIT00044	Stem & Canopy Set Sloped Ceilings (2) 3ft.M29
KIT00045	Stem & Canopy Set Sloped Ceilings (2) 4ft.M29
KIT00046	Stem & Canopy Set Sloped Ceilings (2) 6ft.M29
KIT00047	Stem & Canopy Set 3/8"IP (2) 2ft.M26
KIT00048	Stem & Canopy Set 3/8"IP (2) 1ft.M26
KIT00050	Stem & Canopy Set 3/8"IP (2) 3ft.M26
KIT00053	Stem & Canopy Set 3/8"IP (2) 6ft.M26

Photometrics

IES File: LCOMN48-LED83550KSUN3(LO)
 Lumens: N/A
 Wattage: 19
 Efficacy: 140



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	505	19.0%
0.0° - 40.0°	837	31.5%
0.0° - 60.0°	1546	58.1%
0.0° - 90.0°	2288	86.1%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	11050	11050	11050
45.00°	10302	11290	12202
55.00°	9825	11788	13352
65.00°	9019	12987	15705
75.00°	7551	16609	21649
85.00°	2814	35736	49961

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

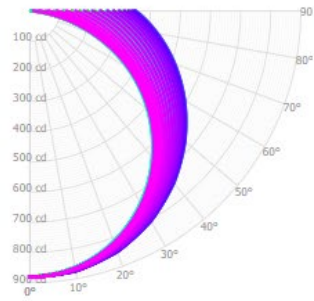
pc	80%			70%			50%			30%			10%			0%		
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	3076	3076	3076	3076	2962	2962	2962	2962	2748	2748	2748	2552	2552	2552	2372	2372	2372	2288
1	2735	2579	2440	2314	2621	2481	2355	2241	2298	2195	2102	2129	2047	1971	1974	1909	1848	1764
2	2459	2210	2004	1831	2351	2127	1939	1780	1970	1815	1681	1825	1698	1587	1691	1589	1497	1416
3	2227	1920	1682	1492	2126	1848	1630	1455	1714	1531	1381	1590	1438	1310	1475	1349	1242	1164
4	2030	1688	1437	1246	1937	1627	1396	1217	1511	1315	1160	1404	1239	1104	1305	1166	1050	977
5	1860	1499	1247	1061	1776	1447	1213	1037	1347	1146	992	1255	1082	947	1168	1021	903	835
6	1714	1343	1095	917	1637	1298	1066	898	1212	1010	860	1131	957	824	1056	905	788	723
7	1585	1213	972	802	1516	1174	947	787	1098	900	756	1028	855	725	962	811	695	634
8	1473	1103	870	710	1410	1068	849	697	1002	809	671	940	770	645	882	732	619	562
9	1374	1009	785	634	1316	979	767	623	920	732	601	866	698	578	814	666	557	503
10	1286	928	714	571	1234	901	698	562	850	668	542	801	638	523	755	609	504	454

Effective Floor Cavity Reflectance: 20%

Project:	Catalogue:	Type:
Notes:		

Photometrics

IES File: **LCOMN48-LED83550KSUN3(MO)**
 Lumens: **N/A**
 Wattage: **26.5**
 Efficacy: **140**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	693	18.6%
0.0° - 40.0°	1149	30.9%
0.0° - 60.0°	2125	57.1%
0.0° - 90.0°	3159	85.0%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	15157	15157	15157
45.00°	13759	11281	11160
55.00°	12970	10537	10696
65.00°	11582	9892	10416
75.00°	8730	9496	10412
85.00°	2521	9626	10879

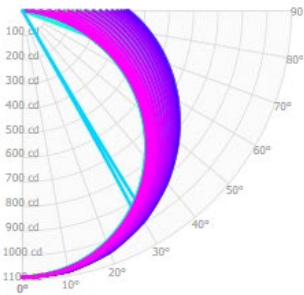
Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%				
pw	4293	4293	4293	4293	4129	4129	4129	4129	3821	3821	3821	3539	3539	3539	3281	3281	3281	3159			
1	3814	3595	3400	3223	3650	3454	3277	3117	3190	3047	2916	2947	2833	2726	2724	2633	2548	2427			
2	3430	3081	2792	2549	3274	2960	2698	2475	2734	2518	2331	2526	2349	2194	2333	2190	2063	1947			
3	3106	2676	2343	2078	2961	2573	2268	2023	2379	2125	1915	2200	1988	1811	2034	1860	1710	1600			
4	2831	2353	2003	1735	2698	2264	1942	1692	2098	1824	1608	1943	1713	1526	1799	1606	1447	1343			
5	2594	2089	1737	1476	2473	2013	1687	1442	1870	1589	1375	1736	1496	1309	1611	1407	1244	1147			
6	2389	1872	1525	1276	2279	1806	1483	1248	1681	1401	1192	1565	1323	1138	1456	1248	1085	993			
7	2210	1690	1353	1116	2110	1633	1317	1093	1524	1248	1047	1422	1181	1001	1326	1117	957	871			
8	2054	1536	1211	988	1963	1486	1181	968	1391	1121	929	1301	1064	890	1216	1008	852	772			
9	1915	1405	1093	882	1833	1361	1067	865	1277	1015	832	1197	965	799	1122	917	766	691			
10	1793	1293	993	794	1717	1253	970	779	1179	925	751	1108	882	722	1041	839	694	623			

Effective Floor Cavity Reflectance: 20%

IES File: **LCOMN48-LED83550KSUN3(HO)**
 Lumens: **N/A**
 Wattage: **33.25**
 Efficacy: **138**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	856	18.6%
0.0° - 40.0°	1419	30.9%
0.0° - 60.0°	2625	57.1%
0.0° - 90.0°	3903	85.0%

Average Luminance Table (cd/m2) CP Summary

	0.00°	45.00°	90.00°
0.00°	18731	18731	18731
45.00°	17004	13941	13791
55.00°	16028	13022	13218
65.00°	14313	12224	12872
75.00°	10788	11735	12867
85.00°	3115	11896	13445

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%				
pw	5304	5304	5304	5304	5101	5101	5101	5101	4720	4720	4720	4372	4372	4372	4053	4053	4053	3903			
1	4712	4442	4200	3982	4510	4268	4049	3851	3941	3764	3602	3641	3499	3368	3365	3253	3148	2999			
2	4237	3806	3449	3150	4045	3657	3333	3058	3378	3111	2880	3120	2902	2711	2882	2706	2549	2406			
3	3837	3306	2895	2568	3659	3179	2802	2499	2940	2625	2366	2718	2457	2237	2513	2297	2113	1977			
4	3497	2906	2474	2144	3333	2797	2399	2091	2592	2254	1987	2401	2116	1885	2223	1984	1787	1659			
5	3205	2581	2146	1824	3055	2487	2084	1782	2310	1964	1698	2144	1849	1617	1990	1739	1537	1417			
6	2952	2313	1884	1576	2816	2231	1832	1541	2077	1731	1473	1933	1634	1406	1799	1541	1340	1227			
7	2731	2088	1671	1379	2607	2017	1627	1350	1883	1542	1293	1757	1459	1237	1638	1380	1182	1076			
8	2537	1898	1496	1220	2425	1836	1458	1196	1718	1385	1147	1607	1314	1100	1503	1245	1053	954			
9	2366	1736	1350	1089	2264	1682	1318	1069	1577	1254	1027	1479	1192	987	1387	1133	946	854			
10	2215	1597	1227	981	2122	1549	1199	963	1456	1143	927	1369	1089	892	1286	1037	857	770			

Effective Floor Cavity Reflectance: 20%