

Project:	Catalogue:	Type:
Notes:		

Product Description

The LCOMF is a high-performance LED strip luminaire crafted to enhance indoor lighting in diverse applications. Featuring nominal lengths of 2', 4', and 8', it effortlessly integrates into industrial and commercial spaces for optimal illumination. The optional flexible mounting system ensures easy installation in challenging applications, and various lens choices cater to both aesthetic and performance preferences. Boasting superior longevity and energy efficiency, the LCOMF is an ideal choice for new installations and efficient retrofits, setting a new standard in commercial-grade LED lighting.

Applications

Coves, enclosed parking garages, retail shelving, industrial racks, utility areas, data centers

Features

- Shallow design
- Surface or suspension mountable
- Available in lengths 24 to 96 inches
- 80+ CRI
- Standard low voltage dimming (0-10v)

Featured Options

- Reflectors
- Wireguard
- Various lens profiles
- Emergency lighting battery pack
- Speedy hangers
- Aircraft cable set

Optical System

Standard units are supplied without lens. Optional lenses (See order key on page 2).

Mounting

Mounting holes are provided. This product can be surface or suspension mounted. Flexible mounting brackets sold separately (See mounting accessories on page 4)

Construction

Precision-formed steel housing assembly. Knockouts are provided for conduit attachment.

Finish

White, pre-painted housing.

Electrical

Long life LEDs coupled with high efficiency drivers provide quality illumination. Rated to deliver L80 performance > 60,000 hours.

Warranty

5 year limited warranty. For complete warranty, click here:



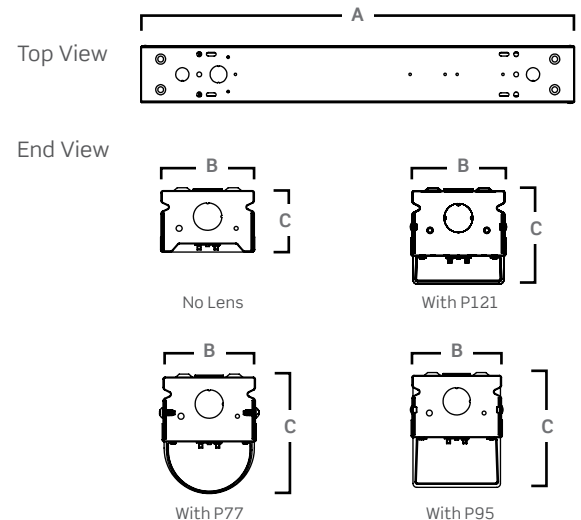
Approvals

- ETL Listed.
- Tested in accordance to IESNA LM-79.
- Suitable for damp locations.
- DesignLights Consortium® Qualified*.

All configurations may not be DLC qualified. Check www.designlights.org/QPL for qualified configurations.



Dimensions



Size	A	B	C		
			No Lens	P121	P77 / P95
24"	22.503"	2.865"	2.049"	2.919"	3.669"
48"	45.065"	2.865"	2.049"	2.919"	3.669"
96"	90.065"	2.865"	2.049"	2.919"	3.669"

Consult installation guide for exact dimensions.

Project:	Catalogue:	Type:
Notes:		

Order Key

EXAMPLE: LCOMF48-LED840K044LUNV



Nominal Length (in.)
24
48
96

CRI
8 - (80+)

CCT
35K - 3500K
40K - 4000K
50K - 5000K

Voltage
UNV - 120-277V
347 - 347V

Nominal Lumens

24"	015L - 1500 022L - 2200 035L - 3500 044L - 4400
48"	030L - 3000 037L - 3700 044L - 4400 070L - 7000 080L - 8000 090L - 9000 100L - 10000
96"	070L - 7000 088L - 8800 100L - 10000 140L - 14000 160L - 16000 200L - 20000

Options

Driver Options
B15 Bi-Level Step Dimming (50/100)
(Not Available in 24-inch length & 347V)
B39 Emergency Lighting Battery Pack - LED
(Not Available in 24-inch length and consult factory for 347V)

Finish Options

F01 Black
F14 Grey

Packaging Options

K0 Bulk Pack/Pallet Packed and/or Wrapped

Lens Options**

No Lens is Standard,
P77 Round Frosted Extruded Acrylic
(not field installable on standard LCOM, must be included at time of order)
P95 Frosted Square Lens
P121 Frosted Shallow Square Lens

Reflector Options***

R08 Reflector
R06 Asymmetrical Reflector
R04 Full Cut-off Reflector

Wireguard Options

W5 Wireguard Light Duty Painted
(Wireguard not available when ordered with Decorative Reflector Kit)

Wiring and Standard Control Options

V28 Quick Connectors for row mounting
V94(72WH) White 6ft 5-wire cord
V94(72BL) Black 6ft 5-wire cord
V97(72WH) White 6ft 6-wire cord for use with EM
V97(72BL) Black 6ft 6-wire cord for use with EM

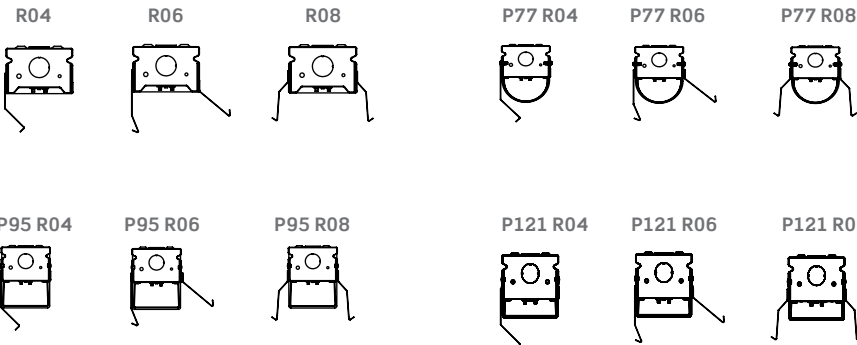
Controls Options

V68** Microwave Occupancy Sensor (50% Stand-by Dimming level)
To view the wireless controls guide [Click Here](#).

** P77, P95 & P121 Lens options are not interchangeable, must be factory installed.
*** Not compatible with wire guard (option W5)
† For pendant mounted applications only. Not for use in surface mount applications.
†† Not to be used with step dimming (B15)

Other options may be available, consult factory. Specifications and data subject to change without notice.

Reflector Options



Project:	Catalogue:	Type:
Notes:		

Performance Data

LED Performance Data											
Size	Nominal Lumens	Delivered Lumens				Watts	Lumens per Watt				Ambient Temp. (degrees)
		No Lens	P77 Lens	P95 Lens	P121 Lens		No Lens	P77 Lens	P95 Lens	P121 Lens	
24	1500	1528	1444	1437	1403	10	152	144	148	140	50
	2200	2218	2097	2099	2037	15	147	139	142	135	50
	3500	3525	3332	3237	3237	23	154	146	150	142	50
	4400	4436	4193	4074	4074	30	149	141	145	137	50
48	3000	3056	2889	2874	2807	19	163	154	158	150	50
	3700	3674	3473	3464	3374	23	160	152	156	147	50
	4400	4436	4193	4198	4074	28	157	149	153	144	50
	7000	7050	6664	6474	6474	46	154	146	142	142	50
	8000	8004	7566	7351	7351	53	152	143	53	139	50
	9000	9037	8542	8300	8300	56	162	153	157	149	50
96	10000	10035	9486	9216	9216	63	160	152	156	147	40
	7000	7041	6656	6633	6466	44	161	152	156	148	50
	8800	8872	8386	8395	8148	56	157	149	153	144	50
	10000	10222	9662	9709	9388	66	155	146	150	142	50
	14000	14099	13327	12948	12948	91	154	146	150	142	50
	16000	16299	15407	14969	14969	108	151	143	147	139	50
	18000	18382	17376	16882	16882	114	162	153	157	149	50
20000	20681	19549	18994	18994	129	160	151	155	147	40	

Values based on 840K with standard lens at 25C

Performance Scaling Factor

	50K	40K	35K	30K
80CRI	1.000	1.000	0.960	0.946
90CRI	0.875	0.875	0.836	0.809

Lifetime Expectancy

	Calculated Hours	Reported Hours
L70	≥ 238,000	> 60,000
L80	≥ 149,000	> 60,000
L90	≥ 71,000	> 60,000

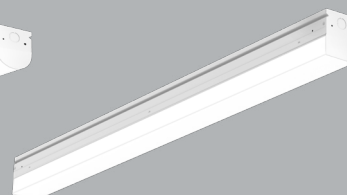
Lens Options



Standard



P77




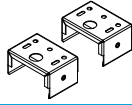

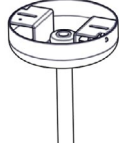

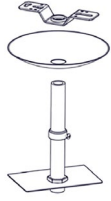
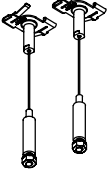
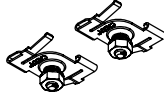
P95



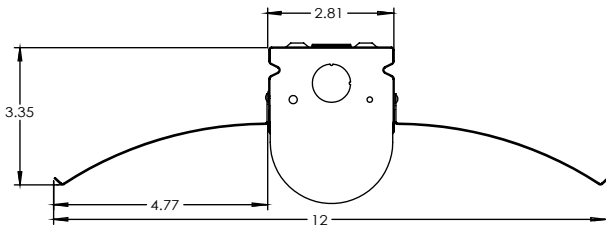
P121

Project:	Catalogue:	Type:
Notes:		

Mounted Accessories (Ordered Separately)

 <p>Chain Set KIT00001 - Chain Set (2) 4ft w/ S-hooks.M10</p>	 <p>Flexible Installation Brackets KIT00379 - Flexible Installation Brackets (2)</p>
 <p>Speedy Hangers KIT00002 - Speedy Hangers (2).M23</p>	 <p>Stem & Canopy Set Sloped Ceilings 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</p>
 <p>Speedy Hangers KIT00043 - Aircraft Cable & Canopy Set (2) 4ft.M48 (Cord not included with the kit)</p>	 <p>Stem & Canopy Set KIT00003 - Stem & Canopy Set 3/8"IP (2) 4ft.M26 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</p>
 <p>T-Bar Suspension Kit KIT00463 - T-Bar Suspension Kit (2)</p>	 <p>T-Bar Surface Kit KIT00462 - T-Bar Surface Kit (2)</p>

Decorative Reflector Kits* (Ordered Separately)



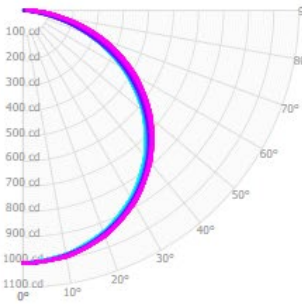
	<p>KIT00271 Solid Solid LCOM Reflector Kit KIT00285 - 2 FT. KIT00271 - 4 FT. KIT00277 - 8 FT.</p>		<p>KIT00272 Perforated Perforated LCOM Reflector Kit KIT00286 - 2 FT. KIT00272 - 4 FT. KIT00278 - 8 FT.</p>
	<p>KIT00273 Straight Slots Straight Slotted LCOM Reflector Kit KIT00287 - 2 FT. KIT00273 - 4 FT. KIT00279 - 8 FT.</p>		<p>KIT00274 Angled Slots Angled Slotted LCOM Reflector Kit KIT00288 - 2 FT. KIT00274 - 4 FT. KIT00280 - 8 FT.</p>

* The Decorative reflector kits are designed specifically for P77. Wireguard (W5) not available when ordered with Decorative Reflector Kit.

Project:	Catalogue:	Type:
Notes:		

Photometrics

IES File: **LCOMF48-LED840K030LUNV**
 Lumens: **N/A**
 Wattage: **18.8**
 Efficacy: **163**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	790	25.8%
0.0° - 40.0°	1306	42.7%
0.0° - 60.0°	2359	77.2%
0.0° - 90.0°	3037	99.4%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	12019	12019	12019
45.00°	12134	10207	9509
55.00°	12086	9473	8526
65.00°	11816	8298	7009
75.00°	10901	6323	4444
85.00°	10028	3016	617

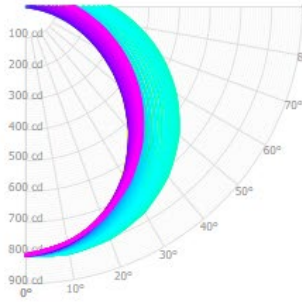
Coefficients of Utilization

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%			
pw	3633	3633	3633	3633	3547	3547	3547	3547	3385	3385	3385	3385	3237	3237	3237	3237	3101	3101	3101	3037	
0	3310	3160	3025	2904	3224	3088	2966	2855	2954	2854	2761	2631	2831	2749	2673	2524	2718	2652	2590	2524	
1	3002	2743	2530	2351	2919	2684	2487	2321	2571	2406	2264	2124	2468	2330	2209	2072	2372	2258	2156	2088	
2	2731	2401	2146	1943	2652	2351	2115	1924	2256	2054	1887	1748	2169	1996	1851	1718	2088	1942	1817	1748	
3	2496	2121	1847	1638	2423	2079	1823	1625	1999	1777	1601	1463	1925	1732	1576	1438	1856	1690	1553	1484	
4	2291	1891	1611	1404	2225	1855	1592	1396	1787	1556	1378	1240	1724	1521	1361	1224	1666	1487	1344	1278	
5	2113	1699	1421	1221	2053	1669	1406	1215	1611	1377	1202	1063	1557	1349	1190	1053	1507	1322	1177	1113	
6	1958	1538	1266	1075	1903	1512	1253	1070	1463	1230	1060	921	1417	1207	1051	914	1373	1185	1042	980	
7	1821	1401	1137	956	1771	1379	1127	952	1337	1108	945	806	1297	1089	938	799	1259	1071	931	871	
8	1700	1284	1030	858	1655	1265	1022	855	1229	1006	849	710	1194	990	844	705	1162	975	838	781	
9	1593	1184	939	776	1552	1167	932	774	1135	919	769	630	1105	906	765	626	1077	893	760	706	
10																					

Effective Floor Cavity Reflectance: 20%

IES File: **LCOMF48-LED840K030LUNV-P77**
 Lumens: **N/A**
 Wattage: **18.8**
 Efficacy: **154**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	624	21.6%
0.0° - 40.0°	1023	35.4%
0.0° - 60.0°	1834	63.5%
0.0° - 90.0°	2598	89.9%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	9645	9645	9645
45.00°	8937	7029	6283
55.00°	8989	6385	5186
65.00°	9447	5825	3955
75.00°	11260	5498	2466
85.00°	21642	5868	468

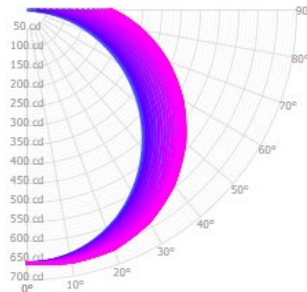
Coefficients of Utilization

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%			
pw	3370	3370	3370	3370	3258	3258	3258	3258	3048	3048	3048	3048	2857	2857	2857	2857	2681	2681	2681	2598	
0	3012	2849	2702	2570	2901	2754	2621	2501	2575	2467	2368	2243	2411	2324	2243	2126	2260	2190	2126	2042	
1	2718	2454	2235	2052	2611	2373	2173	2004	2221	2055	1912	1773	2081	1944	1825	1718	1951	1840	1741	1659	
2	2467	2140	1886	1684	2368	2071	1838	1650	1941	1745	1583	1444	1821	1657	1518	1380	1710	1573	1456	1377	
3	2253	1887	1619	1415	2161	1828	1580	1389	1717	1505	1338	1200	1614	1434	1288	1150	1519	1366	1240	1165	
4	2068	1680	1410	1210	1984	1630	1378	1190	1535	1317	1149	1011	1446	1258	1110	972	1363	1202	1072	1001	
5	1907	1509	1242	1050	1831	1466	1216	1034	1383	1165	1002	864	1307	1116	970	832	1235	1069	939	871	
6	1766	1365	1105	923	1698	1328	1083	910	1256	1040	883	745	1189	999	857	719	1126	959	831	767	
7	1643	1243	992	820	1580	1211	974	809	1148	937	786	648	1090	902	764	626	1034	868	743	683	
8	1534	1139	898	735	1477	1111	882	725	1056	850	706	568	1004	820	688	550	955	790	669	613	
9	1437	1050	818	664	1385	1024	804	656	976	777	639	501	930	750	623	485	887	725	608	554	
10																					

Effective Floor Cavity Reflectance: 20%

IES File: **LCOMF48-LED840K030LUNV-P95**
 Lumens: **N/A**
 Wattage: **20**
 Efficacy: **144**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	529	18.4%
0.0° - 40.0°	883	30.7%
0.0° - 60.0°	1647	57.3%
0.0° - 90.0°	2425	84.4%

Average Luminance Table (cd/m²) CP Summary

	0.00°	45.00°	90.00°
0.00°	7852	7852	7852
45.00°	9372	7272	5734
55.00°	10179	7173	5061
65.00°	11638	7128	4234
75.00°	15009	7238	3137
85.00°	30099	7847	970

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

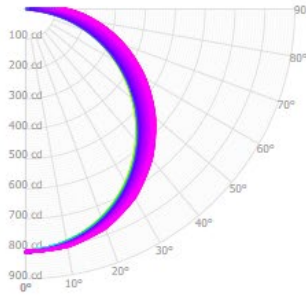
pc	80%				70%				50%				30%				10%				0%
	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%			
pw	3314	3314	3314	3314	3185	3185	3185	3185	2944	2944	2944	2944	2723	2723	2723	2723	2520	2520	2520	2425	
0	2951	2786	2638	2504	2824	2675	2542	2420	2468	2360	2261	2146	2278	2192	2112	2007	2103	2035	1971	1877	
1	2655	2388	2167	1982	2533	2293	2093	1923	2116	1951	1809	1670	1953	1819	1701	1584	1802	1694	1597	1507	
2	2404	2074	1818	1615	2291	1993	1759	1571	1841	1646	1485	1346	1700	1539	1403	1264	1570	1437	1323	1238	
3	2190	1822	1553	1347	2086	1753	1505	1313	1622	1412	1246	1097	1501	1324	1181	1042	1388	1240	1118	1038	
4	2006	1617	1346	1145	1911	1558	1306	1118	1445	1229	1064	915	1340	1156	1012	873	1241	1086	960	885	
5	1847	1448	1181	989	1761	1396	1147	966	1298	1083	922	773	1207	1021	879	740	1121	961	836	766	
6	1708	1307	1047	864	1630	1262	1018	846	1176	964	809	660	1096	911	773	634	1021	860	737	671	
7	1586	1187	936	764	1515	1148	912	748	1073	865	717	568	1002	820	686	547	935	776	656	594	
8	1479	1085	844	681	1414	1051	823	668	984	783	641	492	922	743	615	476	863	705	589	531	
9	1384	998	767	613	1325	967	749	601	908	713	578	429	852	678	555	416	799	645	533	478	
10																					

Effective Floor Cavity Reflectance: 20%

Project:	Catalogue:	Type:
Notes:		

Photometrics

IES File: **LCOMF48-LED840K030LUNV-P121**
 Lumens: **N/A**
 Wattage: **18.8**
 Efficacy: **149**



Zonal Lumen Summary

Zone	Lumens	%Fixture
0.0° - 30.0°	632	22.5%
0.0° - 40.0°	1040	37.1%
0.0° - 60.0°	1879	66.9%
0.0° - 90.0°	2583	92.0%

Average Luminance Table (cd/m²)
CP Summary

	0.00°	45.00°	90.00°
0.00°	9690	9690	9690
45.00°	10106	8124	7047
55.00°	10387	7673	6223
65.00°	11011	7161	5199
75.00°	12707	6554	3713
85.00°	21159	5760	945

Coefficients of Utilization

Values are lumens delivered to the workplane from a single luminaire

pc	80%			70%			50%			30%			10%			0%
pw	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%	
0	3288	3288	3288	3288	3186	3186	3186	3186	2994	2994	2994	2819	2819	2819	2583	
1	2958	2807	2671	2548	2856	2720	2597	2485	2558	2457	2365	2409	2328	2253	2071	
2	2672	2422	2215	2041	2575	2348	2159	1999	2211	2053	1917	2084	1954	1840	1690	
3	2426	2113	1870	1677	2335	2051	1827	1647	1933	1744	1589	1825	1666	1533	1405	
4	2215	1863	1606	1409	2131	1810	1571	1387	1710	1505	1343	1617	1442	1300	1188	
5	2033	1659	1398	1205	1956	1613	1370	1188	1528	1316	1154	1448	1264	1120	1021	
6	1874	1489	1231	1046	1804	1450	1208	1032	1376	1163	1005	1307	1121	978	888	
7	1736	1347	1095	919	1672	1313	1076	907	1249	1039	885	1189	1003	864	782	
8	1614	1227	983	816	1557	1197	967	806	1141	935	788	1089	905	770	695	
9	1506	1124	889	731	1454	1098	875	723	1049	848	708	1003	822	692	623	
10	1411	1035	810	660	1364	1013	798	654	969	775	640	929	752	627	563	

Effective Floor Cavity Reflectance: 20%

Field Installable Lens Kits (Ordered Separately)

Intended for use with standard configuration (no lens). Not compatible with P77, P95, or P121 options.

<p>Lens P77 Adaptor KIT</p> <p>KIT00434 - 2ft KIT00435 - 4ft KIT00436 - 8 ft</p>	<p>Lens P95 Adaptor KIT</p> <p>KIT00440 - 2ft KIT00441 - 4ft KIT00442 - 8ft</p>	<p>Lens P121 Adaptor KIT</p> <p>KIT00437 - 2ft KIT00438 - 4 ft KIT00439 - 8 ft</p>
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